APPENDIX 2

Description of Rock and Drill Core Samples

Sample No. (this survey)	Sample No. (CPRM survey)	Lon_ D	Lon_ M	Lon_ S	Lat_ D	Lat_ M	Lat_ S	UTM: E-W	UTM: N-S	Altitude(m)	Rock Name	Host Unit	Description	Bulk	Thin	P-thin	X-ray	EPMA	Isotope
AS001		51	8	49.2	28	52	38.7				basalt	Gramado?	lava, dark gray, fine, massive, native copper included	ı	ı				ı
AS002		53	8	51.3	25	12	25.2			703	basalt	?	lava, greenish dark gray, fine, massive, rarely quartz in amygdaloidal texture	ı	ı				
AS003		53	11	10.8	25	22	14.9			590	basalt	?	lava, gray, fine, massive	ı	ı				ı
AS004A		53	3	29.2	25	23	59.8			508	basalt	?	lava, weak greenish gray, fine, massive	ı	ı			ı	
AS004B		53	3	29.2	25	23	59.8			508	basalt	?	lava, greenish gray, coarse grained part of outcrop, malachite/celadonite included, many vesicle	ı					
AS005		52	48	13.2	25	24	50.8			665	basalt	?	lava, greenish gray, fine, partly reddish weathered, malachite/celadonite included	ı	ı				
AS006		52	39	49.1	25	21	5.1			605	basalt	?	lava, dark gray, fine, massive, rarely greenish celadonite included	ı	ı				ı
AS007		52	25	0.8	25	23	22.5			902	basalt	?	lava, dark gray, fine, massive	ı	ı				
AS008		52	31	51.2	25	29	24.9			685	basalt	?	lava, dark gray, fine, massive	ı	ı				
AS009		53	20	50.0	25	4	33.9			720	basalt	?	lava, brownish-greenish, fine, massive, weekly weathered	ı	ı				
AS010		50	29	40.0	24	47	54.9			955	dolerite		dike, black-dark gray, massive, pyrite included	ı	ı				ı
AS011		50	30	30.6	24	47	9.2			914	dolerite		dike, ditto	ı	ı				ı
AS012		50	33	23.4	24	42	31.5			808	shale		black shale of IRATI FORMATION						
AS013		50	46	25.6	24	39	28			829	dolerite		dike, weak greenish, massive, sulfide invisible	ı	ı				
AS014		50	51	49.5	24	38	3.6				gabbro		sill, gray, pyrite included mainly in crack, large phenocryst:cpx, pl(2-3cm)	ı	ı				ı
AS015A		50	50	0.0	24	30	15			987	dolerite (Acidic Rock)		dike, gray (Acidic Rock)	ı	ı				

Sample No. (this survey)	Sample No. (CPRM survey)	Lon_D	Lon_M	Lon_S	Lat_D	Lat_M	Lat_S	UTM: E-W	UTM: N-S	Altitude(m)	Rock Name	Host Unit	Description	Bulk	Thin	P-thin	X-ray	EPMA	Isotope
AS015B		50	50	0.0	24	30	15			987	chilled margin of dike		dike, fine, pyrite veinlet included	1	1				
AS016A		50	46	18.1	24	27	9.2			942	dolerite		dike, gray, fine, sulfide invisible	1	1				
AS016B		50	46	18.1	24	27	9.2			942	dolerite		dike, gray, coarse, sulfide invisible	1	1				
AS017		50	42	21.5	24	25	4.9			911	dolerite		dike, dark gray, coarse, rarely pyrite included	1	1				
AS018		49	46	39.5	23	34	7.7			572	dolerite		sill, dark gray, middle grained(phenocryst:2-3cm), pyrite included in matrix	1	1				
AS019		49	45	15.3	23	34	6.2			551	gabbro		sill, black-bark gray, coarse,pyrite rich in matrix						
AS020													Pyrite rich coal ore of Rio Bonito F.						1
AS021		50	10	18.5	27	50	50.7			1034	basalt		dark gray fine−grained basalt, native copper observed(1 grain, film-like)	1	1			1	
AS022A		50	8	51.0	27	50	56.8			1074	altered rock		greenish altered rock(mudstone or altered volvanic rock), rarely py included	1			1		
AS022B		50	8	51.0	27	50	56.8			1074	altered rock		white argil rock, strong py-diss	1			1		
AS022C		50	8	51.0	27	50	56.8			1074	altered rock		weak silicified sand stone, py-diss	1					
AS022D		50	8	51.0	27	50	56.8			1074	altered rock		white argil rock, strong py-diss	1					
AS023		50	12	21.6	27	51	36.3			958	possible basalt?		dark gray fine-grained basalt or intrusion, fine-grainrd py/cp(?) included	1	1				1
AS024A		50	5	38.2	27	56	33.3			1219	possible basalt?		black aphanitic rock, conpact and very homogenious, columner joint(10-30cm) well developed	1	1				1
AS024B		50	5	38.2	27	56	33.3			1219	dyke		dike, width=50cm, black, glass rich N40° W	1	1				
AS025		50	5	42.0	27	56	30.4			1199	basalt			1	1				

Sample No. (this survey)	Sample No. (CPRM survey)	Lon D	Lon M	Lon S	Lat D	Lat M	Lat S	UTM: E-W	UTM: N-S	Altitude(m)	Rock Name	Host Unit	Description	Bulk	Thin	P-thin	X-ray	EPMA	Isotope
AS026		50	6	26.5	27	46	53.5			993	kimberlite			1	1				
AS027		50	6	21.3	27	46	49.6			975	kimberlite			1	1				
AS028A		50	13	44.9	27	46	41.5			1005	phonolite			1	1				
AS028B		50	13	44.9	27	46	41.5			1005	phonolite			1					
AS028C		50	13	44.9	27	46	41.5			1005	phonolite						1		
AS029		50	16	20.0	27	38	59.6			966	carbonatite?								
AS030		50	13	50.4	27	32	45.4			866	phonolite								
AS031		50	12	23.7	27	39	41.4			894	kimberlite								
KN001		51	2	27.0	29	49	16.0	496055	6701024	130	dolerite	Lonba Grande	sill, dark greenish grey, fine grain(glassy), phenocryst: pyroxene+plagioclase, olivine?.	1	1				
KN002		51	2	27.0	29	49	16.0	496055	6701024	130	gabbro	Lonba Grande	sill, dark greenish grey and redish dots, coarse grain, picritic, pyroxene+plagioclase+olivine.	1	1				1
KN003		51	8	55.7	29	37	53.2	485595	6722032	102	basalt	Gramado	feeder dyke, dark greenish grey, fine grain(glassy), phenocryst: pyroxene+plagioclase.	1	1			1	1
KN004		50	22	2.5	29	14	18.9	561478	6765404	100	acidic rock(dacite?)	Caxias	lava, dark grey, grassy, phenocryst: plagioclase+pyroxene, amygdaloidal texture(agate).						
KN005		50	57	17.5	28	32	4.5	504416	6843565	932	basalt	Paranapanema-Pitanga	lava, dark greenish grey, fine grain, phenocryst: plagioclase(+pyroxene).	1	1				1
KN006		51	6	23.7	28	21	28.4	489555	6863136	923	basalt	Esmeralda	lava, dark greenish grey, fine grain, phenocryst: plagioclase+pyroxene, magnetite rich, native copper.	1	1				1
KN007		51	28	55.0	27	37	6.3	452448	6944963	677	dacite	Caxias	lava, pale grey, coarse grain, phenocryst: plagioclase+pyroxene.						
KN008		51	29	12.1	27	37	8.3	451979	6944900	677	rhyorite	Caxias	lava, dark grey, grassy, flow band, amygdaloidal texture(agate).						

Description of Rock and Drill Core Samples

Sample No. (this survey)	Sample No. (CPRM survey)	Lon_ D	Lon_ M	Lon_ S	Lat_ D	Lat_ M	Lat_ S	UTM: E-W	UTM: N-S	Altitude(m)	Rock Name	Host Unit	Description	Bulk	Thin	P-thin	X-ray	EPMA	Isotope
KN009		51	28	8.0	27	36	22.2	453731	6946325	563	basalt	Paranapanema -Pitanga	lava, dark greenish grey, fine grain, phenocryst: plagioclase+pyroxene, magnetite rich.	1	1				1
KN010		51	20	31.7	27	20	7.3	466156	6976363	863	basalt	Esmeralda	lava, dark greenish grey, fine grain, phenocryst: plagioclase+pyroxene, magnetite rich.	1					
KN011		51	24	3.0	27	17	47.1	460336	6980659	840	basalt	Esmeralda?	lava, greenish grey, fine grain, massive, phenocryst: plagioclase+pyroxene.	1	1				
KN012		51	40	52.2	27	3	29.4	432451	7006929	874	basalt	Esmeralda?	lava, greenish grey, medium grain, phenocryst: plagioclase+pyroxene, native copper.	1	1				1
KN013		51	47	35.2	26	58	56.1	421297	7015273	1,135	dacite	Chapeco	lava, grey, coarse grain(porphyritic), phenocryst: plagioclase(max 1cm)+pyroxene.						
KN014		51	59	36.8	26	53	18.5	401324	7025520	1,054	basalt	?	lava, greenish grey, fine grain, massive, phenocryst: plagioclase+pyroxene, magnetite.	1	1				1
KN015		53	15	29.2	26	45	56.6	275463	7037509	593	basalt	?	lava, dark greenish grey, fine grain, phenocryst: pyroxene+plagioclase, amygdaloidal texture(zeolite).						
KN016		53	30	38.6	26	34	18.9	249913	7058515	753	basalt	?	lava, greenish grey, fine grain, massive, phenocryst: plagioclase+pyroxene, magnetite, native copper.	1	1				1
KN017		52	49	6.6	26	18	7.6	318504	7089620	831	basalt	Esmeralda	lava, grey, medium grain, massive, phenocryst: plagioclase+pyroxene, magnetite.	1	1				
KN018		52	41	25.3	26	14	34.7	331211	7096350	818	basalt	Esmeralda	lava, grey, medium grain, heterogeneity, phenocryst: plagioclase, magnetite, interstitial glass-spheriform black glass.	1	1				
KN019		53	1	20.2	26	4	23.2	297758	7114691	640	basalt	?	lava, grey, fine-medium grain, massive, phenocryst: plagioclase(+pyroxene), magnetite, (weak weathered).	1	1				1
KN020		53	17	25.8	25	52	17.1	270482	7136546	567	basalt	Esmeralda	lava, dark greenish grey, fine grain, massive, glassy, phenocryst: plagioclase(+pyroxene).	1	1				1
KN021		53	10	59.1	25	55	31.8	281353	7130730	606	basalt	Esmeralda	lava, dark greenish grey, fine grain, massive, glassy, phenocryst: plagioclase, spheriform black glass.	1	1				
KN022A		53	19	40.6	25	45	1.9	266495	7149873	545	basalt	Esmeralda	lava, greenish grey, fine-medium grain, phenocryst: plagioclase, magnetite rich.	1	1				1
KN022B		53	19	40.6	25	45	1.9	266495	7149873	545	basalt	Esmeralda	glass rich part, coase grain, phenocryst: plagioclase, native copper	1	1				
KN022C		53	19	40.6	25	45	1.9	266495	7149873	545	gabbro	Esmeralda	Gabbroic part					1	

Description of Rock and Drill Core Samples

Sample No. (this survey)	Sample No. (CPRM survey)	Lon_ D	Lon_ M	Lon_ S	Lat_ D	Lat_ M	Lat_ S	UTM: E-W	UTM: N-S	Altitude(m)	Rock Name	Host Unit	Description	Bulk	Thin	P-thin	X-ray	EPMA	Isotope
KN023A		53	32	54.9	25	46	48.2	244418	7146189	463	basalt	Esmeralda	lava, grey, fine grain, glassy, phenocryst: plagioclase, magnetite, native copper.	1	1				
KN023B		53	32	54.9	25	46	48.2	244418	7146189	463	gabbroic dolerite	Esmeralda	glass rich and coarse grain part, phenocryst: plagioclase+pyroxene, black spheriform glass, native copper.	1	1				
KN023C		53	32	54.9	25	46	48.2	244418	7146189	463	gabbroic dolerite	Esmeralda	glass rich and coarse grain part.		1				
KN024A		53	48	40.2	25	40	54.2	217838	7156553	374	basalt	Esmeralda	lava, grey, fine grain, glassy, phenocryst: plagioclase, magnetite.	1	1				1
KN024B		53	48	40.2	25	40	54.2	217838	7156553	374	gabbroic dolerite	Esmeralda	glass rich and coarse grain part, phenocryst: plagioclase+pyroxene, black spheriform glass.	1	1				
KN025A		53	48	18.6	25	38	19.2	218341	7161336	314	basalt	?	lava, reddish grey, fine-medium grain, massive, glassy, phenocryst: plagioclase, amygdaloidal texture, weak weathered(celadonite).	1	1				
KN025B		53	48	18.6	25	38	19.2	218341	7161336	314	basalt	?	lava, greenish grey, coarse grain, glass rich, amygdaloidal texture (zeolite, quartz, calcite).	1	1				
KN026		53	34	0.4	25	36	19.3	242216	7165509	407	basalt	Esmeralda	lava, greenish grey, fine grain, massive, phenocryst: plagioclase+pyroxene.	1	1				
KN027		54	12	6.5	25	20	16.6	781657	7194677	385	basalt	?	lava, greenish grey, fine grain, massive, glassy, phenocryst: plagioclase, magnetite.	1	1				1
KN028		53	51	51.6	25	0	58.1	210916	7230193	544	basalt	?	lava, reddish grey, fine grain, phenocryst: plagioclase, weathered.	1	1				
KN029		53	42	4.5	24	43	44.9	226756	7262337	516	basalt	?	lava, reddish grey, fine grain, massive, amygdaloidal texture(ϕ: Max 1cm), weathered.	1	1				
KN030		53	46	26.2	24	45	5.6	219449	7259710	468	basalt	?	lava, reddish-greenish grey, fine-medium grain, massive, phenocryst: plagioclase, weak weatherd(hematite, celadonite).	1	1				
KN031		54	5	32.2	24	33	31.6	794541	7280792	418	basalt	?	lava, grey, fine grain, massive, native copper along joint.	1	1				1
KN032		54	14	29.9	24	27	21.9	779633	7292480	278	basalt	?	lava, greenish grey, fine grain, phenocryst: plagioclase, weak weathered.	1	1				1
KN033		54	1	40.1	24	47	16.6	800528	7255255	348	basalt	?	lava, greenish grey, fine grain, massive, phenocryst: plagioclase, magnetite, native copper, weak weathered(hematite, celadonite).	1	1			1	
KN034A		50	51	52.3	25	12	21.6	513649	7212226	922	basalt	Irati formation?	sill, grey, fine grain, massive, phenocryst: plagioclase+pyroxene.	1	1				

Description of Rock and Drill Core Samples

Sample No. (this survey)	Sample No. (CPRM survey)	Lon_ D	Lon_ M	Lon_ S	Lat_ D	Lat_ M	Lat_ S	UTM: E-W	UTM: N-S	Altitude(m)	Rock Name	Host Unit	Description	Bulk	Thin	P-thin	X-ray	EPMA	Isotope
KN034B		50	51	52.3	25	12	21.6	513649	7212226	922	gabbro	Irati formation?	sill, dark grey, coarse grain, phenocryst: pyroxene+plagioclase.	1	1				
KN035A		50	40	32.4	25	26	23.1	532613	7186309	995	gabbro	Irati formation?	sill, grey, coarse grain, phenocryst: pyroxene+plagioclase, magnetite, pyrite dissemination.	1					
KN035B		50	40	32.4	25	26	23.1	532613	7186309	995	gabbro	Irati formation?	sill, grey, coarse grain, phenocryst: pyroxene+plagioclase, magnetite, pyrite dissemination(abundant part of pyrite).			1		1	
KN035C		50	40	32.4	25	26	23.1	532613	7186309	995	black crey	---	black crey and zeolite along joint.				1		
KN036A		50	37	28.8	24	19	23.7	538079	7309923	739	dolerite	?	dyke, grey, coarse grain, phenocryst: plagioclase+pyroxene, pyrite dissemination.	1					
KN036B		50	37	28.8	24	19	23.7	538079	7309923	739	dolerite	?	dyke, grey, coarse grain, phenocryst: plagioclase+pyroxene, pyrite dissemination(abundant part of pyrite).	1		1			
KN037		50	26	29.5	24	1	12.5	556794	7343420	905	dolerite	?	dyke, grey-greenish grey, phenocryst: pyroxene+plagioclase.	1	1				
KN038		50	12	30.7	23	54	31.2	580566	7355649	877	dolerite	?	sill, greenish grey, medium-coarse grain, massive, phenocryst: pyroxene+plagioclase, pyrite dissemination.	1		1			
KN039A		49	51	18.3	23	39	27.4	616762	7383204	812	dolerite	?	sill, grey-greenish grey, medium grain, massive, phenocryst: pyroxene+plagioclase, pyrite.	1	1				
KN039B		49	51	18.3	23	39	27.4	616762	7383204	812	gabbroic dolerite	?	sill, grey-greenish grey, coarse grain, phenocryst: pyroxene+plagioclase, pyrite.	1	1				
KN040A		49	44	26.8	24	14	22.9	627843	7318653	991	dolerite	?	sill, grey-greenish grey, medium grain, massive, phenocryst: pyroxene+plagioclase, pyrite dissemination.	1	1				1
KN040B		49	44	26.8	24	14	22.9	627843	7318653	991	dolerite	?	sill, grey-greenish grey, medium grain, massive, phenocryst: pyroxene+plagioclase, pyrite dissemination(abundant part of pyrite).	1		1			1
KN040C		49	44	26.8	24	14	22.9	627843	7318653	991	gabbro	?	sill, grey-greenish grey, coarse grain, phenocryst: pyroxene+plagioclase.	1	1				
KN041		54	45	24.8	29	19	34.1	717817	6753771	338	dacite		lava, ligh grey, massive, fine grain, phenocryst: plagioclase, weathered.						
KN042		54	49	27.1	29	15	1.5	711439	6762294	450	dacite		lava, ligh grey, massive, fine grain, phenocryst: plagioclase.	1	1				
KN043		55	6	31.0	29	35	28.6	683180	6724998	170	dacite (Acidic Rock)		lava, ligh grey, massive, fine grain, phenocryst: plagioclase, weak weathered.	1	1				

Description of Rock and Drill Core Samples

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KN044		55	54	20.9	29	50	25.7	605703	6698378	136	dacite?		lava, grey, massive, fine grain, phenocryst: plagioclase, weathered.	1	1				
KN045		55	15	51.4	29	0	45.0	669054	6789376	318	basalt?		lava, dark greenish grey, fine-medium grain, phenocryst: plagioclase(+pyroxene?), weakly weathered.	1	1				
KN046A		56	3	4.8	29	54	46.2	591582	6690482	130	dacite?		lava, grey, medium grain, massive, phenocryst: plagioclase(+pyroxene?), weathered.	1	1				
KN046B		56	3	4.8	29	54	46.2	591582	6690482	130	dacite?		lava, grey, coarse grain, porphyritic, phenocryst: plagioclase(+pyroxene?), muscovite and zeolite, weathered.						
KN047		55	43	50.6	28	48	41.0	623857	6812240	124	basalt	Esmeralda?	lava, dark grey, medium grain, massive, phenocryst: plagioclase+pyroxene, native copper in.	1		1		1	
KN048A		55	8	24.4	28	28	51.7	682069	6848091	173	basalt	?	lava, greenish grey, medium grain, massive, phenocryst: plagioclase+pyroxene, weathered.	1	1				
KN048B		55	8	24.4	28	28	51.7	682069	6848091	173	gabbro	?	lava, greenish grey, coarse grain, porphyritic, phenocryst: plagioclase+pyroxene, weathered.	1	1				
KN049		55	22	34.0	28	27	19.0	658999	6851276	135	basalt	?	lava, grey, fine grain, massive, phenocryst: plagioclase+pyroxene, native copper in.	1		1			
KN050		54	26	37.4	28	23	47.9	750459	6856189	268	basalt	?	lava or Sill?, dark grey, medium-coarse grain, massive, phenocryst: plagioclase+pyroxene, sulfide dissemination.	1		1			1
KN051		54	16	11.5	28	20	15.7	767644	6862347	264	basalt	?	lava or Sill?, dark grey, medium-coarse grain, massive, phenocryst: plagioclase+pyroxene, sulfide dissemination, weakly weathered.	1		1			
KN052		54	21	52.8	27	46	39.4	759694	6924638	235	basalt	?	lava, grey, fine-medium grain, massive, phenocryst: plagioclase+pyroxene, native copper in.	1		1			1
KN053		55	12	57.3	29	2	23.3	673718	6786279	335	dacite?		lava, grey-reddish grey, fine grain, massive, weathered.		1				
	WW013	50	44	21.1	28	36	3.0	525500	6836200		andesitic basalt	Paranapanema-Pitanga	lava, brown, fine-grain, amygdaloidal texture.						
	WW017	50	17	16.1	28	39	7.2	569600	6830350		andesitic basalt (Acidic Rock)	Paranapanema-Pitanga	lava, brown, fine-grain, weak amygdaloidal texture.	1	1				
	WW024	50	33	23.3	28	1	31.2	543600	6899900		andesitic basalt	Esmeralda	lava, brow-reddish grey, fine-grain, weak amygdaloidal texture.	1	1				1
	WW026	50	51	21.8	28	23	41.1	514100	6859050		andesitic basalt (Acidic Rock)	Paranapanema-Pitanga	lava, brow-grey, fine-grain, amygdaloidal texture.	1	1				

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	WW031	51	28	1.9	28	19	3.9	454200	6867500		basalt	Paranapanema–Pitanga	lava, greenish grey, fine grain.	1	1				
	WW056	52	52	4.0	27	25	15.7	315364	6965535		basalt	Paranapanema–Pitanga	lava, greenish grey, fine grain.	1	1				
	WW068	53	5	8.5	29	19	4.5	297453	6754975		andesite? (Acidic Rock)	Gramado	lava, grey, coarse grain, phenocryst: pyroxene-plagioclase.	1	1				
	WW069	53	0	48.9	29	24	23.3	304628	6745281		basalt	Gramado	lava, greenish grey, fine grain, rare amygdaloidal texture.	1	1				
	WW073	52	44	18.5	29	9	17.7	330913	6773588		basalt	Gramado	lava, dark grey, fine grain.	1	1				
	WW076	51	55	40.4	29	22	57.2	409956	6749261		andesitic basalt	Gramado	lava, grey, coarse grain, phenocryst: pyroxene-plagioclase.	1	1				
	WW077	51	52	57.0	29	11	37.9	414204	6770202		andesitic basalt	Gramado	lava, grey, coarse grain, phenocryst: pyroxene-plagioclase.	1	1				
	WW083	51	6	33.3	29	28	46.6	489409	6738860		basalt	Gramado	lava, dark grey, fine grain.	1	1				
	WW092	51	38	9.6	28	13	59.4	437601	6876795		basalt	Paranapanema–Pitanga	lava, dark grey, fine grain, rare amygdaloidal texture.	1	1				
	WW095	52	15	50.6	28	4	4.8	375786	6894610		basalt	Paranapanema–Pitanga	lava, grey–dark brown, fine grain.	1	1				
	WW097	50	52	26.0	29	45	21.6	512193	6708234		basalt	Gramado	lava, amygdaloidal texture						
	WW099	50	43	41.8	29	33	2.5	526325	6730958		basalt	Gramado	lava, grey, fine grain, phenocryst: pyroxene+(plagioclase).	1	1				1
	WW117a	50	18	28.7	28	26	41.5	567761	6853311		basalt	Paranapanema–Pitanga	lava, reddish grey, fine grain.	1	1				
	WW122	49	43	23.8	28	18	7.2	625186	6868670		basalt	Esmeralda	lava, reddish grey, fine grain, rare amygdaloidal texture.	1	1				1
	WW129	50	9	55.0	28	14	52.4	581885	6875044		basalt	Esmeralda	lava, grey, medium grain, rare amygdaloidal texture, (brown layer).	1	1				
	WW130	50	2	58.0	28	7	40.7	593352	6888244		basalt	Esmeralda	lava, grey, medium grain.	1	1				

Sample No. (this survey)	Sample No. (CPRM survey)	Lon_ D	Lon_ M	Lon_ S	Lat_ D	Lat_ M	Lat_ S	UTM: E-W	UTM: N-S	Altitude(m)	Rock Name	Host Unit	Description	Bulk	Thin	P-thin	X-ray	EPMA	Isotope
	WW134	50	11	33.3	27	51	57.5	579488	6917371		basalt	Esmeralda	lava, grey, medium grain.	1	1				
	AC-028	53	13	20.6	26	45	26.4	279000	7038500		basalt	?	lava, greenish grey, fine grain.	1	1				
	AC-034B	53	30	5.0	26	52	28.3	251500	7025000		dolerite	?	lava, greenish grey, coarse grain, phenocryst: pyroxene+plagioclase.	1	1				
	AC-035	53	29	59.1	27	1	40.6	252000	7008000		basalt	?	lava, reddish grey, fine grain.	1	1				
	ACR-119	51	36	27.2	27	31	5.8	440000	6956000		basalt (Acidic Rock)	?	lava, reddish grey, fine grain.	1	1				
	ACR-125	52	35	54.1	27	4	5.3	341500	7005000		basalt	?	lava, grey, fine grain, phenocryst: pyroene+plagioclase.	1	1				
	ADR-033	52	5	9.8	26	44	36.7	392000	7041500		basalt	?	lava, greenish grey, fine grain, weak weathered(hematite), rare amygdaloidal texture.	1	1				
AT03-486.0		49	45	19.6	29	11	34.1	621000	6770000		(Drill core)		native copper in cavity, chalcedonic quartz druse			1		1	
AT03-486.3								621000	6770000		(Drill core)		black brecciated shale with pyrite	1	1				1
AT03-487.0								621000	6770000		(Drill core)		sill, gray aphanitic tholeiitic dolerite, strongly py-diss(dotted)	1	1				
AT03-498.5								621000	6770000		(Drill core)		sill, gray coarse grained tholeiitic dolerite(gabbroic), weakly py-diss	1	1				
AT03-509.4								621000	6770000		(Drill core)		sill, gray medium grained tholeiitic dolerite	1	1				
AT03-519.2								621000	6770000		(Drill core)		sill, gray medium grained tholeiitic dolerite, strong pyritization	1	1				1
AT03-528.9								621000	6770000		(Drill core)		sill, gray medium grained tholeiitic(or picritic) dolerite	1	1				
AT03-537.3								621000	6770000		(Drill core)		sill, gray medium grained tholeiitic dolerite, weak pyritization(film like)	1	1				
AT03-547.4								621000	6770000		(Drill core)		sill, gray aphanitic tholeiitic dolerite, chilled margin(4m in width)	1	1				

Description of Rock and Drill Core Samples

Sample No. (this survey)	Sample No. (CPRM survey)	Lon_ D	Lon_ M	Lon_ S	Lat_ D	Lat_ M	Lat_ S	UTM: E-W	UTM: N-S	Altitude(m)	Rock Name	Host Unit	Description	Bulk	Thin	P-thin	X-ray	EPMA	Isotope
AT03-590.1								621000	6770000		(Drill core)	·	sill, gray medium grained tholeiitic dolerite, weak pyritization(dotted dissemonation, film-like)	1	1				
AT03-600.0								621000	6770000		(Drill core)		sill, gray medium grained tholeiitic dolerite, weak pyritization(dotted dissemonation, film-like)	1	1				
AT03-607.9								621000	6770000		(Drill core)		sill, gray medium grained tholeiitic dolerite, weak pyritization(dotted dissemonation, film-like)	1	1				
AT03-616.9								621000	6770000		(Drill core)		sill, gray aphanitic tholeiitic dolerite, chilled margin(4m in width), weak pyritization	1	1				
AT08-792.4		49	43	12.4	29	18	15.8	624300	6757600		(Drill core)		sill, gray medium grained tholeiitic dolerite	1	1				
AT08-802.85								624300	6757600		(Drill core)		sill, gray coarse grained tholeiitic dolerite(gabbroic)	1	1	·			
AT08-815.1								624300	6757600		(Drill core)		sill, gray medium grained tholeiitic dolerite	1	1				
AT08-825.0								624300	6757600		(Drill core)		sill, gray medium grained tholeiitic dolerite	1	1				
AT08-834.4								624300	6757600		(Drill core)		sill, gray medium grained tholeiitic dolerite	1	1				
AT08-845.1								624300	6757600		(Drill core)		sill, gray medium grained tholeiitic dolerite	1	1				1
AT08-853.05								624300	6757600		(Drill core)		sill, gray aphanitic tholeiitic dolerite, chilled margin(4m in width)	1	1				
AT08-925.3								624300	6757600		(Drill core)		sill, gray fine grained tholeiitic dolerite, weak pyritization	1	1				
AT08-936.5								624300	6757600		(Drill core)		sill, gray medium grained tholeiitic dolerite	1	1				
AT08-947.75								624300	6757600		(Drill core)		sill, gray very fine grained tholeiitic dolerite	1	1				
TG07-235.0		50	26	55.9	29	57	57.4	553175	6684850		(Drill core)		sill, black, fine	1	1				
TG07-250.0								553175	6684850		(Drill core)		sill, black, fine, pyrite in fracture	1	1				

Sample No. (this survey)	Sample No. (CPRM survey)	Lon_ D	Lon_ M	Lon_ S	Lat_ D	Lat_ M	Lat_ S	UTM: E-W	UTM: N-S	Altitude(m)	Rock Name	Host Unit	Description	Bulk	Thin	P-thin	X-ray	EPMA	Isotope
TG07-270.0								553175	6684850		(Drill core)		sill, black, fine	1	1				
TG114-272.0		50	39	51.9	30	1	52.9	532355	6677680		(Drill core)			1	1				
TG114-275.0								532355	6677680		(Drill core)			1	1				
TG114-278.9								532355	6677680		(Drill core)			1	1				
TG114-283.8								532355	6677680		(Drill core)			1	1				
TG114-286.4								532355	6677680		(Drill core)			1	1				
TG114-289.9								532355	6677680		(Drill core)			1	1			1	1
TG114-293.7								532355	6677680		(Drill core)			1	1				
TG114-295.0								532355	6677680		(Drill core)			1	1				
TG228-725		50	5	37.4	29	50	26.4	587550	6698514		dolerite (Drill core)		sill, black, fine	1	1				
TG228-740								587550	6698514		dolerite (Drill core)		ditto	1	1				
TG228-755.0								587550	6698514		gabbro (Drill core)		sill, coarse grain, gabbroic	1	1				
TG228-758.5								587550	6698514		(Drill core)		boundary of fine/coarse part		1				
TG228-770								587550	6698514		(Drill core)		sill, black, fine	1	1				
TG228-785								587550	6698514		(Drill core)		sill, black, fine	1	1				
TG228-800								587550	6698514		(Drill core)		sill, black, fine	1	1				

Sample No. (this survey)	Sample No. (CPRM survey)	Lon_ D	Lon_ M	Lon_ S	Lat_ D	Lat_ M	Lat_ S	UTM: E-W	UTM: N-S	Altitude(m)	Rock Name	Host Unit	Description	Bulk	Thin	P-thin	X-ray	EPMA	Isotope
TG228-817								587550	6698514		(Drill core)		sill, black, fine	1	1				1
TG228-830								587550	6698514		(Drill core)		sill, black, fine	1	1				
TG27-112.0								547000	6696750		(Drill core)		sill, reddish black, porphyritic	1	1				
TG27-119.0								547000	6696750		(Drill core)		sill, black, fine	1	1				
TG27-138.5								547000	6696750		(Drill core)		sill, very fine, chilled margin	1	1				
TG27-91.5		50	30	48.2	29	51	31.7	547000	6696750		(Drill core)		sill, black, middle grained, possible high magnesian	1	1				
TG27-93.2								547000	6696750		(Drill core)		sill, black, very fine, chilled margin, possible high magnesian	1	1				
TG62-176.5		50	41	8.2	30	2	21.7	530310	6676800		(Drill core)			1	1				
TG62-183.5								530310	6676800		(Drill core)			1	1				
TG62-188.0								530310	6676800		(Drill core)			1	1				
TG62-196.7								530310	6676800		(Drill core)			1	1				
TG62-200.5								530310	6676800		(Drill core)			1	1				
TG62-204.0								530310	6676800		(Drill core)			1	1				
TG62-207.7								530310	6676800		(Drill core)			1	1				
TG62-211.4								530310	6676800		(Drill core)			1	1				
TG62-215.4								530310	6676800		(Drill core)			1	1				

Sample No. (this survey)	Sample No. (CPRM survey)	Lon_ D	Lon_ M	Lon_ S	Lat_ D	Lat_ M	Lat_ S	UTM: E-W	UTM: N-S	Altitude(m)	Rock Name	Host Unit	Description	Bulk	Thin	P-thin	X-ray	EPMA	Isotope
TG62-220.0								530310	6676800		(Drill core)			1	1				
TG62-220.4								530310	6676800		(Drill core)			1	1				
TG62-223.4								530310	6676800		(Drill core)			1	1				
TG62-225.0								530310	6676800		(Drill core)			1	1				
TG62-226.3								530310	6676800		(Drill core)			1	1			1	
TG62-226.8								530310	6676800		(Drill core)			1	1				
TG62-227.8								530310	6676800		(Drill core)			1	1				
TG62-234.8								530310	6676800		(Drill core)			1	1				
TG62-237.6								530310	6676800		(Drill core)			1	1				1
TG62-238.5								530310	6676800		(Drill core)			1	1				
TG95-639.3		50	10	56.9	29	48	37	578999	6701945		(Drill core)		sill, black, chilled margin, pyrite in fracture	1	1				
TG95-650.3								578999	6701945		(Drill core)		sill, black, fine	1	1				
TG95-664.7								578999	6701945		(Drill core)		sill, black, fine	1	1				
TG95-682.0								578999	6701945		(Drill core)		sill, black, coarse grain, gabbroic	1	1				
TG95-695.0								578999	6701945		(Drill core)		sill, black, fine	1	1				
TG95-709.4								578999	6701945		(Drill core)		sill, black, fine	1	1				

Sample No. (this survey)	Sample No. (CPRM survey)	Lon_D	Lon_M	Lon_S	Lat_D	Lat_M	Lat_S	UTM: E-W	UTM: N-S	Altitude(m)	Rock Name	Host Unit	Description	Bulk	Thin	P-thin	X-ray	EPMA	Isotope
TG95-725.0								578999	6701945		(Drill core)		sill, black, fine	1	1				
TG95-743.0								578999	6701945		(Drill core)		sill, black, fine	1	1				
TG95-756.3								578999	6701945		(Drill core)		sill, black, fine	1	1				1
TG95-772.8								578999	6701945		(Drill core)		sill, very fine, chilled margin	1	1				
TG95-825.7								578999	6701945		(Drill core)		black shale of IRATI FORMATION						
TG97-563.2		50	7	46.6	29	51	19.2	584070	6696915		silt (Drill core)		pyrite rich silt stone, pyrite conc. In fracture						
TG97-569.2								584070	6696915		dolerite (Drill core)		sill, black, very fine, chilled margin	1	1				
TG97-590.0								584070	6696915		dolerite (Drill core)		sill, black, fine, pyroxene(1mm) included	1	1				
TG97-602.0								584070	6696915		dolerite (Drill core)		sill, black, fine, pyroxene(1mm) included	1	1				
TG97-615.0								584070	6696915		dolerite (Drill core)		sill, black, fine, pyroxene(1mm) included	1	1				
TG97-625.0								584070	6696915		dolerite (Drill core)		sill, black, fine, pyroxene(1mm) included	1	1				
TG97-630.0								584070	6696915		dolerite (Drill core)		sill, black, fine, pyroxene(1mm) included	1	1				
TG97-650.0								584070	6696915		dolerite (Drill core)		sill, black, fine, pyroxene(1mm) included	1	1				
TG97-664.0								584070	6696915		dolerite (Drill core)		sill, black, very fine, possible chilled margin	1	1				

Analysis type
Bulk: Whole rock analysis
Thin: Observation of thin section
P-thin: Observation of polished-thin section
X-ray: Powdary X-ray difraction
EPMA: Erectron microprobe analysis
Isotope: Measurement of Nd, Sr and S isotope ratio

APPENDIX 3

Microscopic Observation of Thin and Polished-Thin Sections

Sampe No.	Rock Name	minerals										opague			Note (others)
		pl	am	opx	cpx	ol		qz	chl	ca	serp	mt	chr	sul-(pt)	
AS001	cpx basalt	◎		·	○				·			△		· ?	
AS002	ol bearing cpx basalt	◎		·	○				·		·	△		· ?	coarse basalt(or dolerite)
AS003	ol bearing cpx basalt	◎		·	○	·			·		·	△		· ?	
AS004A	ol bearing cpx basalt	◎		·	○	·			·		·	△		· ?	contact with cpx dolerite
AS005	ol bearing cpx basalt	◎		·	○	·			△		△	△		· ?	
AS006	ol bearing cpx basalt	◎		·	○				·		·	△		· ?	
AS007	ol bearing cpx basalt	◎		·	○				·		·	△		· ?	
AS008	ol cpx dolerite	◎		·	○	·			△		△	△		· ?	
AS009	ol bearing cpx basalt	◎		·	○				·		·	△		· ?	ferric hydroxide
AS010	cpx dolerite	◎			○				·			△		· ?	
AS011	cpx dolerite	◎			○				·			△		· ?	ol(idingsite) bearing?
AS013	cpx gabbro	◎		·	○			·	·			△		· ?	
AS014	ol bearing cpx gabbro	◎		·	○	·		·	·		·	△		· ?	needle shape cpx(1cm×0.2mm),
AS015A	ol bearing cpx dolerite	◎		·	○	·			·		·	△		· ?	
AS015B	cpx basalt	◎		·	○	· ?			·			△		· ?	partly brown glass matrix
AS016A	cpx dolerite	◎		·	○				·			△		· ?	
AS016B	cpx dolerite	◎		·	○			·	·			△		· ?	
AS017	cpx dolerite	◎		·	○			·	·	·		△		· ?	
AS018	cpx dolerite	◎		·	○				·			△		· ?	
AS021	ol bearing cpx basalt	◎		·	○	·			·		·	△		· ?	coarse basalt
AS023	cpx basalt	◎		·	○				·			△		· ?	partly brown glass matrix
AS024A	cpx basalt	◎		·	○				·			△		· ?	
AS024B_1	cpx basalt (fragment)	◎		·	○				·	·		△		· ?	intergranular texture
AS024B_2	cpx ol basalt (matrix)	◎		△	·	△			·	·		△		· ?	glass matrix with phenocrysts
AS025	weathered cpx basalt	◎		·	○				△			△		· ?	partly glass matrix
AS026	weathered basalt	◎		·	△				△	△	·	△		· ?	hyaloclastite

Microscopic Observation of Thin and Polished-Thin Sections

Sampe No.	Rock Name	minerals											opague			Note (others)
		pl	am	opx	cpx	ol		qz	chl	ca	serp		mt	chr	sul-(pt)	
AS027	cpx basalt	◎		·	○				△		·		△		· ?	ferric hydroxide
AS028A	trachy andesite	◎	○						△	·						alkaline feldspar and alkaline amphibole
KN001	cpx basalt	◎			·								·			自破砕構造を示す。
KN002	olivine gabbro	◎		△	△	◎							·	·		
KN003	olivine basalt	◎			○	○			·				·	· ?		ferric hydroxide (reddish)
KN005	cpx basalt	◎			○			·	·				△			
KN006	cpx basalt	◎			○				·				△			
KN009	cpx basalt	◎			○			·	·				△			green clay mineral(malachite?)
KN011	cpx basalt	◎			○				·				△			
KN012	ol-cpx basalt	◎			○				△		△		·		· ?	coarse basalt
KN014	ol-cpx basalt	◎			○				△		△		·		· ?	coarse basalt
KN016	cpx basalt	◎			○				·				△			
KN017	cpx basalt	◎			○				·				△			
KN018	ol-cpx basalt	◎			○				△		△		△		· ?	
KN019	cpx basalt	◎			○				·				△		· ?	
KN020	ol bearing cpx basalt	◎			○				·		·		△		· ?	
KN021	ol-cpx basalt	◎			○				△		△		△		· ?	
KN022A	ol-cpx basalt	◎			○				△		△		△		· ?	
KN022B	weathered dolerite	◎			△				○				△		· ?	ferric hydroxide, malachite?
KN023A	ol bearing cpx basalt	◎			○				·		·		△		· ?	
KN023B	cpx dolerite	◎			○				△				△		· ?	chlorite-epidote
KN023C	ol-bearing cpx basalt	◎			○				△		·		△		· ?	
KN024A	ol-bearing cpx basalt	◎			○				△		·		△		· ?	
KN024B	weathered dolerite	○			△			·	○				△		· ?	malachite? , needle shape weatherd mineral
KN025A	ol cpx basalt	◎		·	○				△		·		△		· ?	
KN025B	cpx dolerite	◎		·	○			·	△				△		· ?	malachite? (○)

Sampe No.	Rock Name	pl	am	opx	cpx	ol		qz	chl	ca	serp	mt	chr	sul-(pt)	Note (others)
KN026	ol cpx basalt	◎		·	○				△		·	△		·?	
KN027	ol bearing cpx basalt	◎			○			·	·		·	△		·?	malachite?(·)
KN028	cpx-basalt	◎			○				·			△		·?	ferric hydroxide
KN029	cpx-basalt	◎			○				·			△		·?	ferric hydroxide
KN030	cpx-basalt	◎			○				·			△	·?	·?	
KN031	cpx-basalt	◎		·	○				·			△		·?	
KN032	cpx-basalt	◎			○				·			△		·?	
KN033	cpx-basalt	◎			○				·			△		·?	
KN034A	cpx-basalt	◎		·	○				·			△		·?	
KN034B	cpx dolerite	◎		·	○				·			△		·?	
KN035B	cpx gabbro	◎		·	○				·			△		·?	
KN037	cpx gabbro	◎		··	○				·			△		·?	
KN039A	cpx gabbro	◎		·	○				·			△		·?	
KN039B	cpx gabbro	◎		·	○			·	·			△		·?	
KN040A	ol bearing cpx dolerite	◎		·	○	·			·		·	△		·?	
KN040C	ol bearing cpx dolerite	◎		·	○	·			·		·	△		·?	
KN042	weathered pyroxene basalt	◎			·			·	·	·		△		·?	or weathered basaltic andesite
KN043	cpx basalt	◎		·	○			·	·			△		·?	
KN044	cpx basalt	◎		·	○				·			△		·?	
KN045	cpx basalt	◎		·	○				·			△		·?	
KN046A	ol bearing cpx dolerite	◎		·	○	·			·		·	△		·?	ferric hydroxide
KN047	ol bearing cpx dolerite	◎		·	○	·			·		△	△		·?	ferric hydroxide
KN048A	ol bearing cpx dolerite	◎		·	○	·			·		·	△		·?	
KN048B	weathered dolerite	◎			·				△		·	△		·?	
KN049	ol cpx basalt	◎		·	○				·		·	△	·?	·?	
KN050	ol cpx basalt	◎		·	○				·		·	△	·?	·?	

Microscopic Observation of Thin and Polished-Thin Sections

Sampe No.	Rock Name	pl	am	opx	cpx	ol		qz	chl	ca	serp	mt	chr	sul-(pt)	Note (others)
KN051	ol cpx basalt	◎		·?	○				·		·	△		·?	
KN052	ol cpx basalt	◎		·?	○				·		·	△		·?	coarse basalt(or dolerite)
KN053	weathered cpx basalt	◎			·				△			△		·?	or weathered basaltic andesite
WW017	aphilic andesite	◎						·				·			idingsite
WW024	cpx basalt	◎		·	○	·			·			△		·?	
WW026	andesite	◎			△			·	·			△		·?	
WW031	cpx basalt	◎			○				·			△		·?	
WW056	cpx basalt	◎			○				·		·	△		·?	ferric hydroxide (reddish)
WW068	sandstone	◎							·	·		△			medium grain size, rock fragment is absent
WW069	cpx basalt	◎			○				·		·	△		·?	ferric hydroxide (reddish)
WW073	cpx basalt	◎			△				·			·			fine
WW076	ol-cpx dolerite	◎			○	·			·		△	△			
WW077	ol-cpx dolerite	◎			○	·			·		△	△			
WW083	cpx basalt	◎			○				·			△		·?	
WW092	ol bearing cpx basalt	◎			○				·		△	△		·?	ferric hydroxide (reddish)
WW095	ol bearing cpx basalt	◎			○				·		△	△		·?	ferric hydroxide (reddish)
WW099	ol bearing cpx basalt	◎			○			·	·		·	△			
WW117a	cpx basalt	◎			○				·			△			ferric hydroxide (reddish)
WW122	ol bearing cpx basalt	◎			○			·	·		·	△			
WW129	cpx basalt	◎			○				·			△			ferric hydroxide (reddish)
WW130	cpx basalt	◎			○				·			△			
WW134	cpx basalt	◎			○				·			△			
AC-028	cpx basalt	◎			○				·			△		·?	green clay mineral(malachite?)
AC-034B	cpx dolerite	◎			○				·			△			green clay mineral(malachite?)
AC-035	cpx basalt	◎			○				·			△			ferric hydroxide (reddish)
ACR-119	cpx basalt	◎			○				·			△			partly spinifex-like texture,

Microscopic Observation of Thin and Polished-Thin Sections

Sampe No.	Rock Name	minerals													Note (others)
		pl	am	opx	cpx	ol		qz	chl	ca	serp	opague			
												mt	chr	sul-(pt)	
ACR-125	cpx olivine dolerite	◎			△				△		○	△		・?	
ADR-033	cpx basalt	◎			○				・			△		・?	green clay mineral(malachite?)
5AT03-SC-486.3	basalt with shear plane	○			・			・	・	・		・		・?	
5AT03-SC-487.0	cpx basalt	○			・			・	・	・		△		・?	needle shape opaque,
5AT03-SC-498.5	cpx gabbro	◎			○				・			△		・?	
5AT03-SC-509.4	cpx gabbro	◎			○				・	・		△		・?	
5AT03-SC-519.2	cpx gabbro	◎			○				・			△		・?	
5AT03-SC-528.9	cpx gabbro	◎			○				・			△		・?	
5AT03-SC-537.3	cpx gabbro	◎			○	・			・			△		・?	
5AT03-SC-547.4	cpx basalt	◎			○			・	・			△		・?	fine, quartz vain,
5AT03-SC-590.1	cpx basalt	◎			○			・	・			△		・?	
5AT03-SC-600.0	cpx dolerite	◎			○			・	・			△		・?	
5AT03-SC-607.9	cpx dolerite	◎			○			・	・			△		・?	
5AT03-SC-616.9	cpx basalt	◎			○			・	・			△		・?	
5AT08-SC-792.4	cpx basalt	◎			○			・	・			△		・?	
5AT08-SC-802.85	cpx gabbro	◎			○				・			△		・?	
5AT08-SC-815.1	cpx dolerite	◎			○				・			△		・?	
5AT08-SC-825.0	cpx dolerite	◎			○				・			△		・?	
5AT08-SC-834.4	cpx dolerite	◎			○				・			△		・?	coase
5AT08-SC-845.1	cpx dolerite	◎			○				・			△		・?	
5AT08-SC-853.05	cpx basalt	◎			○				△			△		・?	epidote-chlorite vein
5AT08-SC-925.3	cpx basalt	◎			○				・		・	△		・?	
5AT08-SC-936.5	cpx basalt	◎			○				・			△		・?	
5AT08-SC-947.75	cpx basalt	◎			○				・			△		・?	fine
TG07-235.0	basaltic andesite	◎			△	・		・	・			・			
TG07-250	basaltic andesite	◎			△	・		・	・			・			

Microscopic Observation of Thin and Polished-Thin Sections

Sampe No.	Rock Name	minerals										opague			Note (others)
		pl	am	opx	cpx	ol		qz	chl	ca	serp	mt	chr	sul-(pt)	
TG07-270.0	basaltic andesite	◎			△	·		·	·			·			
TG114-272.0	cpx basalt	◎		·	○				·			·			
TG114-275.0	cpx basalt	◎		·	○				·			·			
TG114-278.9	Basalt with gabbro	◎		·	○				·		·	·	·	· ?	mixed texture, contact part
TG114-283.8	olivine gabbro	◎		·	○	·			△		◎	·	·	· ?	
TG114-286.4	olivine gabbro	◎		·	○	◎			·		·	·	·		
TG114-289.9	olivine gabbro	◎		·	○	◎			·		·	·	·		
TG114-293.7	olivine gabbro	◎		·	○	○			·		△	·	·		
TG114-295.0	olivine gabbro	◎		·	○	·			△		◎	·	·	· ?	
TG228-725	cpx basalt	◎		·	○				·			△		· ?	
TG228-740	cpx dolerite	◎		·	○				·			△		· ?	
TG228-755	cpx gabbro	◎		·	○				·			△			
TG228-758.5	cpx gabbro	◎		·	○				·			△			
TG228-770	cpx gabbro	◎		·	○				△			△			
TG228-785	cpx dolerite	◎		·	○				·			△			
TG228-800	cpx dolerite	◎		·	○				·			△			
TG228-817	cpx dolerite	◎		·	○				·			△			
TG228-830	cpx dolerite	◎		·	○				·			△			
TG27-112.0	basaltic andesite	◎			△	·		·	·			·			ol bearing cpx basalt
TG27-119.0	basaltic andesite	◎			△			·	·			·			
TG27-138.5	basaltic andesite	◎			△			·	△			·			fine, strongly altered
TG27-91.5	olivine gabbro	◎		·	△	·			△		△	△	· ?	· ?	
TG27-93.2	cpx basalt	◎			△			·				·			fine, quartz-calcite veins
TG62-176.5	cpx basalt	◎		·	○				·			·		?	
TG62-183.5	cpx basalt	◎		·	○				·			·		?	
TG62-188.0	cpx basalt	◎		·	○				·			·		?	

Sampe No.	Rock Name	pl	am	opx	cpx	ol		qz	chl	ca	serp	mt	chr	sul-(pt)	Note (others)
TG62-196.7	cpx basalt	◎		·	○				·	△		·		· (pt?)	Calcite vein with opaque
TG62-200.5	cpx basalt	◎		·	○				·			·		?	
TG62-204.0	cpx basalt	◎		·	○				·			·		?	
TG62-207.7	cpx basalt	◎		·	○				·	·		·		?	two calcite veins with sulfide
TG62-211.4	cpx basalt	◎		·	○				·			·		?	
TG62-215.4	Komatiite	·						·	△		◎				spinifex texture
TG62-220.0	cpx basalt	◎		·	○				·			·		?	
TG62-220.4	olivine gabbro	◎		·	○	○			·		△	·	·		
TG62-223.4	olivine gabbro	◎		·	○	○			·		△	·	·		
TG62-225.0	olivine gabbro	◎		·	○	○			·		△	·	·		
TG62-226.3	olivine gabbro	◎		·	○	◎			·		·	·	·		
TG62-226.8	olivine gabbro	◎		·	○	○			△		△	·	·		
TG62-227.8	olivine gabbro	◎		·	○	○			△		△	·	·	· ?	chlorite vein
TG62-234.8	olivine gabbro	◎		·	○	○			·		·	·	·		
TG62-237.6	olivine gabbro	◎		·	○	○			△		△	·	·	· ?	
TG62-238.5	olivine gabbro	◎		·	○	○			·		·	·	·		
TG95-639.3	basaltic andesite	◎			·					·		·		· ?	cpx bearing aphilic basaltic andesite
TG95-650.3	cpx basalt	◎			△					·					calcite veins
TG95-664.7	cpx dolerite	◎		·	○				·			△			
TG95-682.0	ol bearing cpx gabbro	◎		·	○	·			△			△		· ?	coase,
TG95-695.0	cpx gabbro	◎		·	○				·			△		· ?	
TG95-709.4	cpx gabbro	◎		·	○				·			△			
TG95-725.0	cpx gabbro	◎		·	○				·			△			
TG95-743.0	cpx gabbro	◎		·	○				·			△			
TG95-756.3	cpx gabbro	◎		·	○				·			△			
TG95-772.8	cpx dolerite	◎		·	○				·			△		· ?	

Microscopic Observation of Thin and Polished-Thin Sections

Sampe No.	Rock Name	minerals														Note (others)
		pl	am	opx	cpx	ol		qz	chl	ca	serp	opaque			
												mt	chr	sul-(pt)	
TG97-569.2	cpx basalt	◎		·	○				·	·		·			chlorite vein
TG97-590.0	cpx dolerite	◎		·	○				·			△		· ?	
TG97-602.0	cpx dolerite	◎		·	○				·			△		· ?	
TG97-615.0	cpx dolerite	◎		·	○				·			△		· ?	
TG97-625.0	cpx dolerite	◎		·	○				·			△		· ?	
TG97-630.0	cpx dolerite	◎		·	○				·			△		· ?	
TG97-650.0	cpx dolerite	◎		·	○				·			△		· ?	
TG97-664.0	cpx basalt	◎		·	○				·			△		· ?	

◎,abundant; ○, common; △, minor; · rare

pl:plagioclase, am:amphibole, opx:ortho pyroxene, cpx:clino pyroxene, ol:olivine

qz:quartz, chl:chlorite, ca:carbonate mineral (mainly calcite) , serp:serpentine

opaque : opaque minerals (mainly iron oxide: mt, magnetite; chr,chromian spinel; sul-(pt), sulphide and/or PGM?)

APPENDIX 4

Geochemical Grade Assay of Rock and Drill Core Samples

SAMPLE	SiO2	Al2O3	Fe2O3	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	TOTAL	Ba*	Ba	Sr*	Sr	Y*	Y	Sc	Zr*	Zr	Be	V	V	Cr	Co	Ga	Ge	As
	%	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AS001	53.74	14.33	11.03	0.181	6.18	9.51	2.32	1.29	0.983	0.13	0.61	100.30	277.0	286.6	210.0	204.4	22.0	22.2	39.0	120.0	121.1	<1	273.0	259.0	71.1	42.3	19.1	1.6	<5
AS002	51.28	12.92	14.91	0.236	4.91	8.59	2.58	1.23	2.210	0.25	0.89	100.01	310.0	323.6	272.0	267.1	34.0	34.1	43.0	176.0	177.3	<1	468.0	436.6	39.4	45.0	21.4	1.9	<5
AS003	50.51	13.87	12.53	0.177	6.43	10.69	2.37	0.87	1.699	0.18	1.06	100.37	238.0	247.8	316.0	304.7	23.0	23.6	42.0	120.0	119.7	<1	398.0	382.2	167.2	41.0	19.3	1.6	<5
AS004A	51.26	12.97	14.75	0.210	5.04	9.23	2.55	1.10	2.103	0.26	0.81	100.28	321.0	320.4	300.0	277.5	33.0	32.9	40.0	164.0	155.2	<1	476.0	440.1	87.7	38.7	20.0	1.6	<5
AS004B	51.55	11.93	14.85	0.180	4.93	7.89	2.90	1.80	2.090	0.25	1.86	100.22	311.0	312.3	276.0	263.5	31.0	32.8	39.0	154.0	155.1	<1	517.0	492.5	57.2	38.1	20.1	1.8	<5
AS005	48.82	13.10	14.70	0.190	5.67	9.72	2.42	1.13	2.289	0.28	2.07	100.39	323.0	334.1	353.0	329.7	29.0	30.5	39.0	145.0	151.7	<1	448.0	422.3	105.7	27.6	17.6	0.7	<5
AS006	49.85	13.15	14.60	0.206	5.59	9.90	2.44	1.04	2.323	0.31	0.95	100.35	321.0	323.6	353.0	·357.2	30.0	31.6	37.0	162.0	171.0	<1	447.0	435.8	121.0	43.3	22.2	1.7	<5
AS007	49.72	13.12	14.98	0.211	5.61	9.98	2.46	1.12	2.110	0.25	0.92	100.47	321.0	320.5	354.0	348.2	27.0	28.5	39.0	155.0	158.4	<1	444.0	420.7	94.6	41.0	21.0	1.8	<5
AS008	48.82	11.69	15.68	0.219	6.75	9.30	2.31	1.19	2.664	0.32	1.17	100.12	376.0	380.2	378.0	380.3	28.0	28.8	37.0	198.0	202.1	1.0	483.0	477.7	116.2	48.7	21.9	1.9	<5
AS009	50.72	12.69	15.73	0.228	4.95	8.95	2.57	1.06	2.376	0.28	0.96	100.52	320.0	322.5	238.0	240.3	40.0	42.1	42.0	191.0	199.9	<1	443.0	440.3	56.7	43.8	22.4	1.9	<5
AS010	50.10	12.93	15.24	0.213	5.12	9.22	2.59	1.09	2.385	0.30	0.97	100.15	352.0	360.2	330.0	334.6	32.0	33.2	38.0	173.0	182.9	<1	473.0	481.2	48.1	42.2	22.8	1.8	<5
AS011	50.45	12.89	15.33	0.210	4.89	9.22	2.73	1.17	2.490	0.33	0.57	100.29	359.0	370.7	345.0	354.9	32.0	33.5	36.0	181.0	192.6	<1	470.0	474.5	65.7	41.9	23.0	1.5	<5
AS013	50.54	12.27	17.03	0.231	3.97	8.17	2.56	1.38	3.003	0.41	0.61	100.17	433.0	439.3	321.0	327.4	39.0	40.4	38.0	217.0	234.1	1.0	563.0	542.1	<20	41.7	24.8	1.7	<5
AS014	53.52	12.27	14.64	0.225	2.38	6.66	3.11	2.18	2.372	0.95	2.06	100.37	832.0	802.3	471.0	459.3	53.0	55.0	23.0	347.0	358.1	2.0	155.0	143.5	<20	23.1	27.0	1.9	<5
AS015A	61.10	12.39	11.63	0.175	0.75	4.26	3.43	3.26	1.364	0.39	1.67	100.42	1013.0	976.5	359.0	348.5	69.0	70.5	17.0	582.0	603.0	3.0	13.0	<5	<20	11.0	30.5	1.9	<5
AS015B	50.26	12.66	14.54	0.212	3.85	7.71	2.99	1.48	3.595	0.71	2.09	100.08	505.0	506.1	461.0	464.9	43.0	45.5	30.0	275.0	296.6	1.0	331.0	329.0	<20	32.7	25.8	1.7	<5
AS016A	51.52	13.20	14.55	0.213	5.43	9.35	2.67	1.01	2.075	0.24	0.19	100.44	311.0	301.7	295.0	293.2	33.0	33.5	42.0	162.0	166.9	<1	455.0	432.1	73.5	41.8	21.4	1.9	<5
AS016B	51.39	10.94	17.66	0.241	4.74	7.65	2.38	1.20	2.937	0.37	0.88	100.39	381.0	379.1	241.0	243.7	46.0	49.5	42.0	244.0	259.4	1.0	567.0	549.5	<20	47.6	23.2	1.8	<5
AS017	53.87	13.39	13.90	0.193	2.73	7.41	2.81	1.59	2.413	0.46	1.64	100.39	503.0	489.1	308.0	303.1	49.0	49.7	30.0	277.0	288.7	1.0	267.0	251.0	<20	29.4	24.9	1.6	<5
AS018	49.07	12.71	16.32	0.201	5.34	9.42	2.44	1.07	2.958	0.30	0.67	100.50	354.0	353.6	329.0	331.2	31.0	34.0	42.0	166.0	169.5	<1	613.0	603.0	92.4	47.6	22.4	1.6	<5
AS021	54.09	13.73	12.27	0.176	5.11	7.71	3.3	1.46	1.202	0.17	1.15	100.37	320.0	332.0	201.0	195.1	27.0	28.5	37.0	133.0	134.5	<1	303.0	297.5	24.9	40.3	20.3	1.7	<5
AS022A	44.17	17.35	17.96	0.742	2.15	0.82	0.39	0.05	1.956	0.17	14.06	99.81	114.0	120.6	22.0	21.9	112.0	118.0	44.0	149.0	152.0	4.0	450.0	451.9	121.5	31.6	27.3	1.6	<5
AS022B	54.28	24.25	4.68	0.063	1.48	0.43	0.42	0.2	2.878	0.05	11.17	99.9	85.0	87.5	36.0	35.1	32.0	32.8	56.0	218.0	220.9	1.0	655.0	643.0	310.1	36.9	40.5	1.5	<5
AS022C	83.2	3.75	6.56	0.008	0.08	0.03	0.43	0.56	0.061	0.08	4.69	99.45	156.0	164.1	37.0	37.6	5.0	5.5	3.0	58.0	63.4	<1	157.0	160.0	<20	18.4	9.3	0.8	<5
AS022D	60.32	17.42	6.49	0.036	0.22	0.06	0.45	-0.01	1.505	0.02	12.39	98.91	54.0	53.4	30.0	28.1	11.0	10.2	45.0	164.0	163.8	<1	428.0	407.3	50.2	43.9	23.5	1.6	<5
AS023	52.34	12.43	15.7	0.217	3.87	8.13	2.95	0.88	1.952	0.25	1.61	100.31	336.0	354.9	216.0	216.1	39.0	41.5	40.0	166.0	170.2	<1	505.0	491.2	<20	39.9	22.2	1.9	<5
AS024A	50.84	13.6	12.56	0.213	6.33	10.47	2.47	0.48	1.326	0.13	0.13	98.54	112.0	113.7	162.0	159.7	26.0	28.8	43.0	82.0	85.4	<1	366.0	361.6	70.1	38.6	18.7	1.4	<5
AS024B	43.82	11.94	12.75	0.204	10.56	12.27	2.78	0.84	1.538	0.59	2.85	100.15	644.0	637.9	639.0	606.6	24.0	24.9	32.0	135.0	131.8	<1	284.0	272.5	261.1	47.3	17.5	1.4	<5
AS025	50.06	13.08	13.06	0.161	4.48	6.72	3.65	2.63	3.916	0.51	1.87	100.15	1049.0	1050.0	369.0	346.8	36.0	36.6	25.0	300.0	299.7	2.0	341.0	320.1	55.4	36.1	21.9	1.8	<5
AS026	45.33	10.84	9.95	0.194	8.81	9.05	2.65	2.26	1.746	0.69	7.86	99.38	2902.0	2830.0	1250.0	1200.0	32.0	33.6	24.0	210.0	206.5	2.0	237.0	227.1	149.7	34.9	15.8	1.3	<5
AS027	47.09	13.42	13.65	0.186	5.9	7.04	2.36	2.69	4.433	0.61	2.77	100.13	4465.0	4350.0	742.0	722.1	36.0	37.8	26.0	333.0	337.3	2.0	379.0	360.7	42.3	37.2	26.5	1.4	<5
AS028A	57.38	22.5	2.34	0.156	0.08	0.84	9.52	5.87	0.12	0.02	1.19	100.01	148.0	151.7	92.0	89.5	12.0	12.6	<1	701.0	709.8	6.0	9.0	7.5	<20	<1	38.5	1.2	<5
AS028B	55.46	21.82	1.76	0.101	1.38	2.54	3.66	5.21	0.133	0.02	8.09	100.17	295.0	290.4	200.0	188.2	15.0	13.8	1.0	496.0	494.5	5.0	13.0	6.8	<20	<1	34.1	1.3	<5
KN001	46.93	14.73	11.88	0.163	9.02	10.80	2.08	0.78	1.530	0.15	2.15	100.22	196.0	197.5	260.0	258.5	23.0	22.9	39.0	125.0	123.3	<1	306.0	305.3	639.7	54.2	19.6	1.4	<5
KN002	46.01	11.67	11.42	0.173	18.92	10.01	1.25	0.30	0.518	0.07	0.02	100.36	116.0	121.8	174.0	178.0	10.0	10.2	35.0	44.0	41.8	<1	182.0	191.5	898.0	79.7	11.4	1.7	<5
KN003	46.99	14.29	11.09	0.170	10.47	10.79	2.16	0.50	1.330	0.22	0.74	98.74	282.0	292.7	318.0	324.5	20.0	20.2	38.0	96.0	93.2	<1	268.0	250.4	601.7	51.1	16.9	1.4	<5
KN005	52.78	13.00	14.51	0.216	4.64	8.53	2.70	1.36	1.654	0.21	0.73	100.33	315.0	327.0	188.0	189.3	34.0	35.5	39.0	153.0	156.2	<1	430.0	435.9	30.5	39.8	21.1	1.6	<5
KN006	50.64	13.39	14.20	0.219	6.13	10.41	2.51	0.66	1.361	0.15	0.72	100.39	189.0	195.9	170.0	167.6	30.0	29.7	46.0	113.0	106.4	<1	414.0	411.5	60.0	46.2	19.2	1.7	<5
KN009	51.69	13.69	12.58	0.186	5.97	10.47	2.65	1.26	1.341	0.18	0.21	100.21	190.0	188.9	213.0	205.8	26.0	24.8	39.0	112.0	118.6	<1	379.0	359.4	73.3	38.5	19.1	1.7	<5
KN010	51.78	13.78	13.56	0.210	5.58	9.49	2.45	1.17	1.369	0.17	0.63	100.18	259.0	248.1	185.0	166.9	31.0	28.5	40.0	129.0	118.0	<1	353.0	315.7	60.9	27.8	15.5	0.7	<5
KN011	52.30	13.76	13.13	0.204	5.66	9.92	2.58	1.09	1.349	0.20	0.22	100.41	249.0	247.2	183.0	179.1	29.0	29.0	40.0	130.0	124.9	<1	362.0	351.7	71.5	39.2	19.1	1.6	<5
KN014	49.11	12.77	15.39	0.213	5.08	8.91	2.66	1.39	3.569	0.47	0.34	99.90	415.0	428.1	399.0	422.0	33.0	34.9	34.0	196.0	205.2	1.0	524.0	512.1	<20	46.0	24.2	1.6	<5
KN016	51.29	12.49	15.45	0.198	4.78	8.90	2.62	1.16	2.306	0.28	0.52	100.01	297.0	300.6	229.0	235.2	37.0	38.4	42.0	184.0	188.1	<1	436.0	408.8	54.0	41.8	21.7	1.9	<5
KN017	49.41	13.41	13.95	0.190	6.24	10.25	2.39	0.99	1.978	0.24	1.24	100.29	283.0	288.5	330.0	342.1	27.0	27.8	39.0	139.0	138.4	<1	430.0	408.8	142.5	44.5	21.0	1.6	<5
KN018	49.36	12.29	15.26	0.238	4.29	8.39	2.64	1.61	3.703	0.55	1.87	100.19	488.0	477.5	402.0	404.6	38.0	37.8	32.0	237.0	247.2	1.0	454.0	419.6	<20	38.1	24.0	1.8	<5
KN019	49.05	13.31	13.40	0.190	6.21	10.50	2.37	0.73	1.920	0.20	0.99	98.88	279.0	279.3	355.0	373.6	25.0	25.3	39.0	130.0	132.4	<1	418.0	407.6	121.6	43.1	21.0	1.9	7.6
KN020	50.03	13.25	14.27	0.199	5.68	10.04	2.49	1.05	2.178	0.25	1.03	100.46	335.0	329.9	360.0	364.3	28.0	28.1	39.0	152.0	154.4	<1	449.0	424.5	93.1	43.3	21.6	1.6	<5
KN021	50.05	13.29	14.20	0.200	5.84	10.01	2.45	0.98	2.144	0.24	1.05	100.45	333.0	325.9	363.0	368.1	26.0	27.5	39.0	148.0	153.4	<1	447.0	423.5	99.8	43.7	21.3	1.5	<5
KN022A	49.95	13.33	13.87	0.206	5.62	10.04	2.49	1.04	2.107	0.24	1.31	100.21	327.0	305.2	370.0	353.5	27.0	26.0	38.0	146.0	142.6	<1	433.0	432.9	91.9	42.0	21.0	1.7	<5
KN022B	52.26	11.21	17.01	0.209	3.28	5.59	2.66	2.41	3.025	0.43	2.04	100.12	569.0	556.3	325.0	326.1	40.0	41.6	32.0	273.0	287.1	1.0	307.0	298.1	<20	34.7	23.8	1.7	<5
KN023A	50.28	13.32	14.10	0.201	5.67	9.95	2.52	1.02	2.145	0.24	1.06	100.50	339.0	338.9	374.0	382.8	28.0	28.5	38.0	154.0	160.1	<1	431.0	416.0	96.0	43.2	22.0	1.8	<5
KN023B	50.01	11.39	17.67	0.220	3.78	7.31	2.63	1.60	3.509	0.40	1.81	100.34	466.0	453.3	346.0	347.4	38.0	39.2	37.0	233.0	247.1	1.0	504.0	497.5	<20	40.0	24.6	1.7	<5
KN024A	50.23	13.37	14.19	0.203	5.91	10.06	2.49	0.98	2.130	0.23	0.64	100.45	323.0	326.1	375.0	388.9	26.0	27.7	38.0	145.0	153.1	<1	448.0	441.5	100.8	44.8	22.4	1.7	<5
KN024B	51.30	11.99	15.92	0.172	3.38	5.78	2.77	3.24	2.843	0.42	1.69	99.50	490.0	482.8	358.0	366.8	41.0	42.9	33.0	242.0	259.4	1.0	411.0	397.3	<20	34.7	25.0	1.7	<5
KN025A	49.73	13.32	13.95	0.190	5.98	10.18	2.34	0.80	1.810	0.21	1.63	100.12	267.0	265.3	308.0	320.6	27.0	28.1	39.0	126.0	126.8	<1	431.0	420.5	147.4	44.0	21.2	1.6	<5
KN025B	54.24	10.36	15.40	0.344	3.61	6.99	2.73	1.99	3.045	0.37	1.20	100.28	450.0	446.6	319.0	328.1	31.0	32.9	30.0	209.0	223.8	<1	578.0	555.9	<20	35.4	22.0	1.7	<5
KN026	49.93	13.21	14.14	0.205	5.81	10.19	2.45	0.98	2.132	0.24	0.82	100.10	323.0	324.0	381.0	397.6	28.0	28.0	39.0	149.0	155.3	<1	443.0	434.0	99.6	43.8	22.4	1.9	<5
KN027	50.73	12.64	15.01	0.212	4.82	8.78	2.56	1.33	2.304	0.27	0.50	99.15	321.0	311.2	264.0	265.4	36.0	36.7	41.0	167.0	175.0	<1	441.0	420.2	52.1	40.9	21.9	1.5	<5
KN028	51.43	12.49	15.33	0.220	4.88	8.75	2.61	1.30	2.236	0.27	0.71	100.24	307.0	334.9	258.0	265.7	37.0	39.4	42.0	177.0	189.2	<1	422.0	428.2	52.9	40.6	21.3	1.8	<5

Geochemical Grade Assay of Rock and Drill Core Samples

SAMPLE	Rb ppm	Nb ppm	Mo ppm	In ppm	Sn ppm	Sb ppm	Cs ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Hf ppm	Ta ppm	W ppm	Tl ppm	Bi* ppm	Bi ppm	Th ppm	U ppm	Ag ppm	Ag ppm	Cd ppm	Cu ppm	Cu ppm
AS001	40.9	8.2	<2	<0.1	<1	0.5	0.6	16.3	35.2	4.0	17.0	3.8	1.1	4.0	0.7	4.2	0.8	2.5	0.4	2.4	0.3	3.1	0.5	<0.5	0.2	0.1	<2	3.7	0.7	<0.3	---	<0.3	58.0	---
AS002	27.4	15.0	<2	<0.1	1.2	<0.2	0.3	21.5	47.4	5.6	24.0	5.5	1.8	6.1	1.0	6.2	1.3	3.8	0.6	3.5	0.5	4.8	1.0	<0.5	0.1	0.1	<2	2.5	0.5	<0.3	---	<0.3	203.2	---
AS003	21.6	10.4	<2	<0.1	<1	<0.2	0.2	15.6	34.1	4.0	17.6	3.9	1.4	4.4	0.7	4.4	0.9	2.5	0.4	2.4	0.3	3.2	0.7	<0.5	0.1	0.1	<2	1.7	0.3	<0.3	---	<0.3	185.0	---
AS004A	27.4	12.2	<2	<0.1	<1	<0.2	0.3	20.5	45.2	5.2	22.8	5.4	1.7	5.8	1.0	6.1	1.2	3.5	0.5	3.4	0.5	4.3	0.8	<0.5	0.1	0.1	<2	2.7	0.5	<0.3	---	0.4	211.4	---
AS004B	61.5	11.9	<2	<0.1	<1	<0.2	0.8	20.6	45.3	5.2	22.9	5.3	1.7	5.7	1.0	6.1	1.2	3.6	0.5	3.3	0.5	4.3	0.8	<0.5	0.2	<0.1	<2	2.8	0.5	<0.3	---	<0.3	264.1	---
AS005	17.3	13.1	<2	<0.1	<1	<0.2	0.2	21.0	46.2	5.5	23.3	5.2	1.8	5.5	0.9	5.6	1.1	3.2	0.5	3.0	0.4	3.9	0.9	<0.5	0.1	<0.1	<2	2.4	0.5	<0.3	---	<0.3	218.6	---
AS006	28.6	15.1	<2	<0.1	1.2	<0.2	0.3	24.1	53.8	6.3	26.9	6.2	2.1	6.3	1.0	6.2	1.2	3.5	0.5	3.1	0.5	4.5	1.0	<0.5	0.1	0.2	<2	2.6	0.5	<0.3	---	<0.3	226.2	---
AS007	30.5	13.6	<2	<0.1	<1	<0.2	0.4	22.3	49.7	5.8	24.8	5.4	1.9	5.6	0.9	5.5	1.1	3.0	0.4	2.7	0.4	4.1	1.0	<0.5	0.1	<0.1	<2	2.2	0.4	<0.3	---	<0.3	196.8	---
AS008	27.6	19.0	<2	<0.1	1.3	<0.2	0.2	28.3	63.0	7.4	31.5	6.7	2.2	6.8	1.1	6.0	1.1	3.3	0.4	2.7	0.4	5.3	1.3	<0.5	0.1	0.1	<2	2.6	0.5	<0.3	---	0.6	209.2	---
AS009	30.2	15.7	<2	<0.1	1.3	0.2	0.5	24.2	53.1	6.3	27.9	6.3	2.1	7.3	1.2	7.4	1.3	4.4	0.7	4.1	0.6	5.2	1.0	<0.5	0.1	0.1	<2	2.5	0.5	<0.3	---	<0.3	264.0	---
AS010	31.8	16.3	<2	<0.1	1.1	0.3	1.2	26.2	57.0	6.6	28.9	6.5	2.1	6.6	1.1	6.7	1.3	3.7	0.6	3.4	0.5	4.8	1.1	<0.5	0.3	0.3	<2	2.8	0.6	<0.3	---	<0.3	260.0	---
AS011	31.8	17.2	<2	<0.1	1.6	0.5	0.8	26.8	58.3	6.9	29.4	6.5	2.1	6.8	1.1	6.6	1.2	3.8	0.6	3.3	0.5	5.0	1.1	<0.5	0.1	0.1	<2	3.0	0.6	<0.3	---	<0.3	268.4	---
AS013	40.2	20.2	<2	<0.1	1.6	<0.2	1.0	31.3	69.5	8.1	34.5	7.7	2.5	8.1	1.3	7.9	1.5	4.6	0.7	4.1	0.6	5.9	1.4	<0.5	0.2	0.1	<2	3.4	0.7	<0.3	---	<0.3	299.3	---
AS014	53.3	31.5	<2	<0.1	4.4	0.5	1.6	52.8	119.4	14.2	62.3	13.2	4.3	12.8	2.0	11.2	2.0	5.8	0.8	4.8	0.7	9.2	2.2	0.5	0.1	<0.1	<2	4.7	1.0	<0.3	---	<0.3	79.1	---
AS015A	85.4	45.5	2.3	0.1	3.9	0.2	0.9	76.0	166.5	19.1	79.1	16.3	4.6	15.4	2.4	14.0	2.6	7.6	1.1	6.5	1.0	15.3	3.1	0.7	0.3	0.1	<2	8.0	1.6	<0.3	---	<0.3	90.8	---
AS015B	46.5	27.4	<2	<0.1	2.1	0.7	12.0	41.9	93.6	11.2	49.0	10.5	3.4	10.5	1.6	8.8	1.6	4.8	0.6	3.8	0.6	7.4	1.9	1.3	0.2	<0.1	<2	3.7	0.7	<0.3	---	<0.3	45.5	---
AS016A	26.4	13.5	<2	<0.1	1.1	<0.2	0.6	22.1	49.2	5.7	24.9	5.7	1.9	6.0	1.0	6.4	1.2	3.6	0.6	3.5	0.5	4.5	0.9	<0.5	0.1	<0.1	<2	2.4	0.4	<0.3	---	<0.3	246.3	---
AS016B	32.9	21.3	<2	<0.1	2.4	<0.2	1.2	34.0	75.1	8.8	37.3	8.5	2.3	8.9	1.5	9.1	1.8	5.3	0.8	4.8	0.7	6.7	1.5	<0.5	0.1	<0.1	<2	3.8	0.7	<0.3	---	<0.3	291.8	---
AS017	45.1	23.8	<2	<0.1	2.0	0.3	0.9	37.9	83.2	9.6	41.0	8.9	2.6	9.2	1.5	9.1	1.8	5.3	0.8	4.6	0.7	7.3	1.6	<0.5	0.2	0.2	<2	4.5	0.9	<0.3	---	<0.3	387.4	---
AS018	31.1	15.2	<2	<0.1	1.0	<0.2	0.8	23.9	52.9	6.2	27.0	6.1	2.1	6.3	1.1	6.3	1.2	3.7	0.5	3.3	0.5	4.6	1.1	<0.5	0.1	<0.1	<2	2.6	0.5	<0.3	---	0.3	254.7	---
AS021	55.5	12.7	<2	0.2	42.5	5.7	2.9	20.7	44.8	5.0	21.4	4.9	1.4	5.4	0.9	5.4	1.1	3.1	0.5	3.0	0.4	4.3	8.4	3.9	0.4	0.5	<2	5.4	1.3	<0.5	<0.3	0.7	109.6	111.7
AS022A	9.5	10.5	<2	0.2	25.4	0.8	1.3	39.7	91.4	11.4	55.1	14.7	4.9	19.5	3.4	19.5	3.8	10.8	1.5	8.3	1.2	5.0	3.0	1.0	0.2	0.2	<2	4.4	0.9	<0.5	<0.3	1.1	142.4	144.0
AS022B	4.4	13.9	<2	0.2	17.8	0.7	0.3	17.2	33.9	3.6	15.6	3.8	1.4	4.8	0.9	5.6	1.2	3.8	0.6	4.0	0.6	7.0	2.4	0.8	0.2	0.1	<2	6.3	2.4	<0.5	0.7	0.9	251.1	275.6
AS022C	21.4	3.1	<2	0.2	19.7	0.6	1.2	11.8	23.8	2.3	8.9	1.6	0.6	1.5	0.2	1.2	0.2	0.6	0.1	0.5	0.1	1.8	1.3	<0.5	0.4	<0.1	<2	1.8	0.9	<0.5	<0.3	0.6	<10	13.9
AS022D	2.0	12.3	<2	<0.1	13.4	0.2	0.3	11.9	21.4	2.2	8.5	1.8	0.5	1.9	0.3	2.0	0.4	1.1	0.2	1.1	0.2	5.0	2.0	0.9	0.4	<0.1	<2	6.6	5.8	<0.5	0.3	0.6	29.4	135.7
AS023	46.4	12.5	<2	<0.1	8.4	<0.2	3.7	23.5	51.3	5.9	26.2	6.3	2.0	7.3	1.3	7.7	1.6	4.6	0.7	4.2	0.6	5.2	1.7	<0.5	0.4	0.1	<2	5.8	1.2	<0.5	<0.3	0.8	213.7	208.0
AS024A	16.8	5.6	<2	<0.1	5.7	<0.2	0.4	8.7	20.9	2.6	12.5	3.7	1.3	4.9	0.9	5.4	1.1	3.1	0.5	2.9	0.4	2.8	0.9	<0.5	0.1	<0.1	<2	1.8	0.5	<0.5	<0.3	0.7	139.6	160.0
AS024B	18.2	44.4	<2	<0.1	14.7	0.3	2.5	47.6	94.6	9.7	39.1	6.9	2.3	6.2	0.9	5.2	1.0	2.6	0.3	2.2	0.3	3.7	3.5	<0.5	0.3	<0.1	<2	5.6	1.7	2.7	<0.3	0.7	110.4	101.9
AS025	61.8	27.8	<2	<0.1	9.7	<0.2	0.4	43.9	98.6	11.4	50.5	10.7	3.7	10.7	1.5	8.1	1.4	3.8	0.5	3.0	0.4	8.7	2.5	<0.5	0.3	<0.1	<2	4.7	1.0	<0.5	0.4	0.7	159.5	143.0
AS026	59.1	83.4	<2	0.1	20.7	0.4	3.3	102.4	179.4	17.2	64.7	10.9	3.2	9.0	1.3	7.1	1.3	3.4	0.4	2.8	0.4	5.6	3.6	0.8	0.5	0.1	<2	23.7	3.6	<0.5	<0.3	0.5	96.5	80.7
AS027	49.1	35.1	<2	<0.1	8.1	<0.2	<0.1	61.9	128.2	14.4	61.7	12.6	4.1	11.0	1.6	8.5	1.5	3.8	0.5	2.9	0.4	9.6	4.6	<0.5	0.1	<0.1	<2	5.5	1.3	<0.5	0.6	0.7	177.7	163.6
AS028A	222.0	106.3	<2	<0.1	32.7	0.3	7.5	129.7	165.1	10.6	24.9	2.3	0.5	1.4	0.2	1.5	0.3	1.2	0.2	1.7	0.3	13.1	3.0	<0.5	1.6	0.3	<2	40.8	10.6	<0.5	1.2	<0.3	<10	3.3
AS028B	163.6	94.4	<2	<0.1	29.5	0.3	5.5	132.3	163.9	10.5	24.5	2.4	0.6	1.3	0.3	1.7	0.4	1.4	0.3	1.9	0.3	10.1	2.9	<0.5	0.6	0.2	<2	38.6	6.5	<0.5	0.9	<0.3	<10	1.9
KN001	22.0	9.5	<2	<0.1	13.3	5.1	0.4	13.9	33.7	4.0	18.2	4.5	1.5	4.6	0.8	4.6	0.9	2.6	0.4	2.1	0.3	3.4	0.6	<0.5	0.2	<0.1	<2	2.0	0.4	<0.3	---	<0.3	129.7	---
KN002	5.9	2.5	<2	<0.1	<1	<0.2	<0.1	5.0	11.7	1.4	6.6	1.7	0.6	1.9	0.3	1.9	0.4	1.1	0.2	1.0	0.1	1.1	0.1	<0.5	<0.05	<0.1	<2	0.5	0.1	<0.3	---	0.8	49.4	---
KN003	8.5	4.8	<2	<0.1	<1	<0.2	0.5	10.4	25.9	3.3	15.6	3.8	1.4	4.1	0.7	3.9	0.8	2.2	0.3	1.8	0.3	2.6	0.3	<0.5	0.1	<0.1	<2	0.5	0.1	<0.3	---	<0.3	122.8	---
KN005	48.8	10.8	<2	<0.1	1.1	<0.2	0.9	21.1	47.5	5.4	23.3	5.8	1.8	6.3	1.1	6.7	1.3	4.0	0.6	3.4	0.5	4.5	0.7	<0.5	0.5	0.1	<2	4.4	0.9	<0.3	---	<0.3	205.0	---
KN006	14.7	6.8	<2	<0.1	<1	<0.2	0.2	12.4	28.4	3.4	15.1	4.0	1.4	4.7	0.8	5.5	1.1	3.4	0.5	3.0	0.4	3.1	0.4	<0.5	0.2	<0.1	<2	2.2	0.4	<0.3	---	<0.3	204.1	---
KN009	58.3	7.8	<2	<0.1	<1	<0.2	1.8	12.9	30.0	3.6	16.3	4.1	1.4	4.5	0.8	4.8	1.0	2.8	0.4	2.3	0.3	3.9	0.6	<0.5	0.3	0.1	<2	2.3	0.7	<0.3	---	<0.3	167.4	---
KN010	35.1	7.0	<2	<0.1	<1	<0.2	0.6	14.8	33.7	4.0	17.6	4.3	1.3	4.8	0.8	5.2	1.0	3.2	0.4	2.6	0.4	3.4	0.5	<0.5	0.1	<0.1	<2	3.2	0.7	<0.3	---	0.7	167.2	---
KN011	41.2	7.9	<2	<0.1	<1	<0.2	1.3	15.0	33.8	4.0	17.4	4.4	1.4	4.9	0.9	5.4	1.1	3.2	0.5	2.7	0.4	3.6	0.5	<0.5	0.4	<0.1	<2	3.3	0.7	<0.3	---	0.5	151.1	---
KN012	17.4	6.9	<2	<0.1	<1	<0.2	0.2	13.0	29.1	3.5	15.3	4.0	1.4	4.6	0.9	5.3	1.1	3.3	0.5	2.9	0.4	3.0	0.4	<0.5	0.1	<0.1	<2	2.1	0.4	<0.3	---	0.6	132.3	---
KN014	33.4	22.4	<2	<0.1	1.3	<0.2	0.3	31.0	70.3	8.1	35.2	7.7	2.5	7.5	1.2	6.5	1.3	3.7	0.5	2.7	0.4	5.8	1.5	<0.5	0.1	<0.1	<2	3.1	0.6	<0.3	---	0.5	186.0	---
KN016	28.1	15.6	<2	<0.1	1.1	0.2	0.2	23.1	52.8	6.0	27.2	6.3	2.0	6.9	1.2	7.1	1.4	4.3	0.6	3.5	0.5	5.3	1.0	<0.5	0.2	<0.1	<2	2.6	0.5	<0.3	---	<0.3	210.3	---
KN017	24.9	12.6	<2	<0.1	<1	<0.2	0.2	20.2	45.1	5.2	22.9	5.2	1.7	5.2	0.9	5.4	1.0	3.1	0.4	2.5	0.4	3.9	0.9	<0.5	0.1	<0.1	<2	2.2	0.5	<0.3	---	0.6	198.1	---
KN018	39.3	26.1	<2	<0.1	1.4	<0.2	0.3	37.1	84.4	9.8	41.8	9.0	2.9	8.4	1.4	7.3	1.5	4.2	0.6	3.3	0.5	6.7	1.8	<0.5	0.2	<0.1	<2	3.7	0.7	<0.3	---	<0.3	179.2	---
KN019	10.3	12.6	<2	<0.1	<1	<0.2	0.2	19.3	43.2	4.9	21.7	4.9	1.7	4.9	0.8	4.8	0.9	2.7	0.4	2.2	0.3	3.6	0.8	<0.5	0.1	<0.1	<2	2.0	0.4	<0.3	---	<0.3	233.3	---
KN020	23.0	14.5	<2	<0.1	<1	<0.2	0.1	22.4	50.5	5.8	25.1	5.6	1.8	5.6	0.9	5.4	1.0	3.1	0.4	2.5	0.4	4.3	1.0	<0.5	0.1	<0.1	<2	2.4	0.4	<0.3	---	<0.3	238.1	---
KN021	23.5	14.1	<2	<0.1	<1	<0.2	0.4	22.6	51.3	5.8	25.1	5.6	1.9	5.7	0.9	5.4	1.1	3.1	0.4	2.6	0.4	4.3	1.0	<0.5	0.2	<0.1	<2	2.4	0.5	<0.3	---	0.5	245.7	---
KN022A	21.3	13.3	<2	<0.1	<1	0.2	0.1	21.8	48.4	5.5	24.0	5.3	1.8	5.4	0.9	5.2	1.0	3.1	0.4	2.4	0.3	4.1	0.9	<0.5	0.1	<0.1	<2	2.3	0.4	<0.3	---	0.9	233.7	---
KN022B	83.3	25.2	<2	<0.1	1.8	<0.2	0.3	42.6	94.5	10.4	44.2	9.3	2.9	8.6	1.4	8.6	1.7	4.8	0.7	4.3	0.6	7.8	1.8	<0.5	0.2	<0.1	<2	4.5	0.9	<0.3	---	0.5	273.2	---
KN023A	23.6	14.8	<2	<0.1	<1	<0.2	0.1	23.1	51.6	6.0	25.6	5.6	1.9	5.9	0.9	5.4	1.1	3.3	0.5	2.6	0.4	4.5	1.0	<0.5	0.1	<0.1	<2	2.5	0.5	<0.3	---	0.6	238.7	---
KN023B	48.6	23.2	<2	<0.1	1.3	<0.2	0.4	35.7	81.2	9.1	38.9	8.2	2.7	8.3	1.3	7.7	1.6	4.4	0.6	3.6	0.5	6.7	1.6	<0.5	0.4	<0.1	<2	3.7	0.7	<0.3	---	0.7	371.8	---
KN024A	23.3	14.5	<2	<0.1	<1	<0.2	0.1	22.3	50.1	5.6	24.7	5.3	1.9	5.9	0.9	5.4	1.0	2.9	0.4	2.6	0.3	4.4	1.0	<0.5	0.1	<0.1	<2	2.3	0.5	<0.3	---	0.6	225.8	---
KN024B	161.1	23.3	<2	<0.1	1.3	<0.2	0.8	37.9	85.3	9.5	40.9	8.8	2.8	8.6	1.4	8.3	1.6	4.6	0.7	3.7	0.6	6.9	1.6	<0.5	0.3	<0.1	<2	3.9	0.8	<0.3	---	<0.3	232.3	---
KN025A	14.9	10.8	<2	<0.1	<1	<0.2	0.1	18.1	40.3	4.6	20.8	4.8	1.7	5.1	0.9	5.3	1.1	3.1	0.5	2.5	0.4	3.6	0.7	<0.5	0.1	<0.1	<2	2.2	0.5	<0.3	---	<0.3	226.7	---
KN025B	56.9	22.7	<2	<0.1	1.5	<0.2	0.5	33.0	74.7	8.5	35.8	7.5	2.4	7.3	1.2	6.6	1.3	3.6	0.5	2.8	0.4	6.5	1.6	<0.5	0.3	<0.1	<2	3.3	0.5	<0.3	---	0.6	1315.0	---
KN026	21.4	14.6	<2	<0.1	<1	<0.2	0.1	22.3	49.9	5.6	24.7	5.5	1.9	5.6	0.9	5.4	1.1	3.1	0.4	2.4	0.4	4.3	1.0	<0.5	0.1	<0.1	<2	2.3	0.4	<0.3	---	0.8	240.9	---
KN027	31.9	14.9	<2	0.1	1.1	0.3	0.2	23.1	53.1	6.1	26.1	6.2	2.0	6.5	1.1	6.9	1.4	4.1	0.6	3.2	0.5	4.8	1.0	<0.5	0.2	<0.1	<2	2.5	0.5	<0.3	---	0.6	273.2	---
KN028	29.1	15.2	<2	0.1	3.0	<0.2	0.4	21.9	46.1	6.0	25.8	6.3	2.0	7.5	1.2	7.2	1.5	4.4	0.7	4.0	0.6	5.4	1.1	<0.5	0.1	<0.1	<2	2.6	0.5	<0.3	---	0.5	268.7	---

SAMPLE	Ni ppm	Ni ppm	Pb ppm	Pb ppm	Zn ppm	Zn ppm	S %	Pd ppb	Pt ppb	Au ppb
AS001	48.8	---	29.0	---	75.2	---	0.001	0.6	0.3	16.7
AS002	38.4	---	39.5	---	103.1	---	<0.001	17.0	4.8	7.6
AS003	71.1	---	4.4	---	81.7	---	<0.001	16.4	10.2	3.4
AS004A	51.2	---	24.3	---	99.8	---	<0.001	22.3	9.3	5.6
AS004B	41.9	---	7.1	---	103.1	---	0.005	20.4	5.2	4.3
AS005	56.9	---	29.1	---	97.0	---	<0.001	15.1	11.7	3.7
AS006	56.2	---	13.4	---	96.2	---	0.005	13.3	11.3	4.4
AS007	54.4	---	15.2	---	87.5	---	<0.001	17.9	11.0	4.5
AS008	72.9	---	<3	---	116.4	---	<0.001	0.2	0.6	<2
AS009	44.3	---	<3	---	120.6	---	<0.001	16.6	4.3	9.1
AS010	43.9	---	3.8	---	117.5	---	0.356	16.0	13.1	4.7
AS011	42.9	---	<3	---	117.3	---	0.363	14.7	11.5	3.7
AS013	25.6	---	<3	---	132.9	---	0.037	20.9	9.8	4.5
AS014	1.4	---	11.1	---	154.6	---	0.133	<0.2	<0.2	<2
AS015A	<1	---	4.3	---	178.7	---	0.109	<0.2	<0.2	<2
AS015B	7.0	---	<3	---	119.6	---	0.315	<0.2	<0.2	<2
AS016A	46.9	---	12.4	---	107.2	---	0.011	15.6	5.2	4.4
AS016B	43.9	---	<3	---	136.5	---	0.011	14.9	1.2	4.8
AS017	20.6	---	<3	---	123.1	---	0.063	15.1	2.9	5.3
AS018	49.1	---	7.5	---	116.3	---	0.082	17.6	6.4	3.3
AS021	48.0	41.2	9.6	8.0	93.2	---	0.013	4.7	6.0	68.6
AS022A	69.9	66.6	8.8	<3	133.8	---	0.018	8.3	8.5	4.4
AS022B	400.4	78.3	18.0	23.7	138.5	---	0.246	13.6	11.1	4.9
AS022C	<20	62.6	8.7	4.3	<30	---	4.295	1.9	2.4	2.8
AS022D	48.1	63.4	7.8	15.2	<30	---	7.055	3.8	5.1	3.3
AS023	40.0	23.5	11.2	5.0	129.8	---	0.048	14.1	15.2	5.8
AS024A	62.6	65.0	<5	4.4	73.7	---	0.020	11.6	6.0	3.3
AS024B	176.7	202.1	18.2	7.1	345.4	---	0.099	6.2	3.9	2.0
AS025	80.0	53.8	9.4	6.8	135.3	---	0.012	7.8	4.4	3.5
AS026	142.8	149.7	28.6	24.2	109.9	---	0.028	5.4	2.8	<2
AS027	91.1	56.1	8.9	11.2	130.7	---	0.025	7.1	6.4	3.8
AS028A	<20	<1	54.5	45.8	126.8	---	0.006	<0.2	<0.2	<2
AS028B	<20	<1	42.3	47.4	125.9	---	0.029	<0.2	<0.2	<2
KN001	245.7	---	<3	---	74.6	---	0.010	0.8	0.7	1.9
KN002	356.0	---	<3	---	58.7	---	0.002	0.3	1.2	<1
KN003	210.8	---	11.2	---	66.8	---	0.019	8.4	8.5	3.1
KN005	29.1	---	<3	---	107.9	---	<0.001	10.1	4.6	2.9
KN006	49.1	---	<3	---	99.8	---	<0.001	7.4	3.0	3.3
KN009	61.3	---	<3	---	83.4	---	<0.001	13.5	12.0	4.1
KN010	51.2	---	10.3	---	96.4	---	<0.001	9.6	3.0	2.6
KN011	50.6	---	<3	---	93.0	---	<0.001	6.3	2.7	1.4
KN012	44.4	---	<3	---	87.8	---	<0.001	11.4	4.5	2.7
KN014	34.3	---	7.2	---	119.3	---	<0.001	0.2	0.2	<1
KN016	36.9	---	<3	---	127.0	---	<0.001	16.1	6.3	2.3
KN017	67.4	---	<3	---	97.9	---	<0.001	12.2	18.1	4.9
KN018	26.6	---	20.7	---	121.3	---	<0.001	0.6	0.6	<1
KN019	60.3	---	<3	---	90.8	---	<0.001	18.5	14.6	6.3
KN020	51.2	---	<3	---	99.5	---	<0.001	17.5	12.1	5.8
KN021	57.5	---	7.3	---	104.0	---	<0.001	16.1	12.6	5.8
KN022A	54.7	---	<3	---	100.0	---	<0.001	17.8	12.9	5.3
KN022B	9.8	---	<3	---	133.9	---	<0.001	27.4	2.5	12.5
KN023A	49.2	---	8.2	---	94.6	---	<0.001	12.9	11.8	4.9
KN023B	13.7	---	<3	---	137.2	---	<0.001	27.4	2.4	10.8
KN024A	55.1	---	<3	---	96.4	---	<0.001	21.9	13.4	6.1
KN024B	14.3	---	<3	---	145.2	---	0.004	28.4	2.3	9.0
KN025A	63.8	---	7.9	---	96.0	---	<0.001	18.4	16.8	6.5
KN025B	16.1	---	<3	---	120.1	---	0.012	22.0	2.6	7.7
KN026	53.2	---	<3	---	98.8	---	<0.001	13.0	11.9	4.7
KN027	40.6	---	<3	---	117.3	---	<0.001	20.3	4.6	5.8
KN028	39.9	---	<3	---	113.1	---	<0.001	7.0	5.0	3.6

Geochemical Grade Assay of Rock and Drill Core Samples

SAMPLE	SiO2 %	Al2O3 %	Fe2O3 %	MnO %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	LOI %	TOTAL %	Ba* ppm	Ba ppm	Sr* ppm	Sr ppm	Y* ppm	Y ppm	Sc ppm	Zr* ppm	Zr ppm	Be ppm	V ppm	V ppm	Cr ppm	Co ppm	Ga ppm	Ge ppm	As ppm
KN029	51.22	12.68	16.16	0.229	4.09	8.38	2.87	1.42	2.604	0.33	0.25	100.24	355.0	381.4	241.0	242.3	42.0	44.3	41.0	198.0	210.3	<1	499.0	489.3	40.9	38.2	22.1	2.1	<5
KN030	52.07	12.22	14.67	0.224	4.67	8.65	2.71	1.28	2.174	0.25	0.68	99.60	325.0	340.9	234.0	234.6	35.0	35.6	41.0	167.0	171.4	<1	453.0	438.2	49.6	36.5	20.0	1.5	<5
KN031	51.31	12.56	15.85	0.227	4.57	8.73	2.65	1.24	2.367	0.28	0.22	100.01	347.0	367.5	289.0	290.2	37.0	38.8	42.0	179.0	185.6	<1	465.0	450.0	27.0	39.6	21.2	1.7	<5
KN032	50.66	13.56	13.20	0.204	6.31	10.29	2.43	0.87	1.660	0.18	0.86	100.22	239.0	243.4	285.0	274.9	27.0	27.1	43.0	124.0	126.5	<1	394.0	376.5	84.2	40.2	18.3	1.6	<5
KN033	52.09	12.56	15.37	0.209	4.42	8.40	2.68	1.45	2.391	0.30	0.34	100.21	363.0	375.1	284.0	279.5	36.0	38.1	41.0	184.0	197.8	<1	462.0	443.1	25.9	38.4	21.5	1.7	<5
KN034A	50.61	13.39	12.89	0.155	5.19	8.59	2.82	1.58	4.453	0.39	0.12	100.19	502.0	500.6	832.0	750.8	29.0	28.7	27.0	225.0	228.7	1.0	372.0	365.9	72.5	21.9	18.2	0.6	<5
KN034B	54.47	12.92	13.34	0.159	2.68	6.38	3.11	2.76	2.925	0.74	0.62	100.11	859.0	909.7	753.0	727.3	48.0	48.8	19.0	411.0	442.7	3.0	290.0	271.3	<20	29.4	29.2	1.7	<5
KN035A	51.21	13.10	14.95	0.213	4.96	9.10	2.47	1.09	2.246	0.26	0.68	100.28	321.0	331.2	283.0	274.2	37.0	37.8	42.0	175.0	185.5	<1	439.0	423.0	54.4	39.2	20.6	1.6	<5
KN036A	50.98	12.44	15.78	0.220	4.28	8.06	2.69	1.64	3.451	0.50	0.13	100.18	487.0	514.8	385.0	381.3	39.0	40.4	33.0	248.0	267.4	1.0	463.0	457.6	21.1	38.4	24.9	1.7	<5
KN036B	50.23	12.93	15.25	0.218	4.29	8.14	2.70	1.47	3.708	0.44	0.88	100.26	426.0	450.2	393.0	400.5	36.0	37.3	34.0	224.0	247.2	1.0	507.0	509.4	20.1	39.3	25.3	1.2	<5
KN037	49.99	14.83	14.86	0.196	3.69	8.90	2.83	1.30	2.775	0.36	0.58	100.31	396.0	397.5	393.0	378.5	34.0	34.2	32.0	169.0	175.9	<1	529.0	513.9	<20	35.5	23.1	1.7	<5
KN038	53.12	12.59	14.65	0.221	3.13	7.02	3.10	1.74	3.171	0.46	1.27	100.49	560.0	527.7	411.0	366.5	48.0	47.2	29.0	293.0	288.8	2.0	314.0	305.6	<20	26.8	22.9	1.4	<5
KN039A	49.79	13.50	14.13	0.201	6.27	9.99	2.53	0.94	2.133	0.28	0.41	100.17	302.0	305.2	352.0	338.7	28.0	29.7	39.0	135.0	138.9	<1	408.0	396.5	134.9	42.5	19.8	1.7	<5
KN039B	49.70	11.98	17.56	0.238	4.22	8.43	2.49	1.25	3.598	0.40	0.63	100.48	400.0	409.4	345.0	340.4	38.0	40.4	40.0	202.0	211.5	<1	596.0	592.2	<20	42.6	23.1	1.2	<5
KN040A	50.37	12.99	14.77	0.208	5.70	9.64	2.41	1.04	2.358	0.39	0.51	100.40	338.0	355.4	336.0	339.6	31.0	32.7	39.0	160.0	164.6	<1	436.0	446.1	100.3	42.8	21.1	1.5	<5
KN040B	50.02	13.17	14.64	0.204	5.64	9.67	2.48	0.96	2.372	0.32	0.75	100.22	296.0	303.3	343.0	338.1	32.0	32.4	38.0	161.0	165.3	<1	440.0	440.5	96.9	41.8	20.9	1.7	<5
KN040C	46.94	11.66	19.22	0.238	5.22	9.09	2.32	1.02	3.871	0.29	0.40	100.26	338.0	354.0	309.0	313.9	29.0	31.6	45.0	151.0	155.7	<1	900.0	916.0	<20	53.6	22.7	1.7	<5
KN042	52.81	13.95	12.56	0.183	5.62	9.14	2.27	1.27	1.111	0.13	0.93	99.98	236.0	239.1	205.0	201.5	23.0	22.9	44.0	108.0	105.3	<1	360.0	357.4	32.4	46.0	20.0	1.9	<5
KN043	68.13	12.39	5.56	0.073	0.67	2.74	2.72	4.47	0.708	0.21	2.07	99.73	659.0	649.5	102.0	97.8	53.0	53.8	18.0	307.0	295.2	3.0	34.0	26.9	<20	5.5	19.5	1.7	<5
KN044	52.38	13.98	11.39	0.165	5.85	9.6	2.2	0.82	1.118	0.14	1.72	99.36	272.0	293.8	201.0	192.0	23.0	25.8	39.0	126.0	132.2	<1	316.0	305.2	75.3	36.2	18.6	1.6	<5
KN045	54.6	13.78	12.35	0.175	4.59	8.02	2.65	1.76	1.322	0.2	0.96	100.41	329.0	345.1	219.0	211.2	29.0	31.9	38.0	133.0	141.0	1.0	332.0	321.8	<20	37.4	20.7	1.8	<5
KN046A	53.2	13.74	11.83	0.193	5.8	9.5	2.46	1.12	1.137	0.13	0.7	99.81	202.0	210.6	194.0	192.4	22.0	25.1	42.0	92.0	96.7	<1	317.0	310.9	30.9	38.2	18.9	1.8	<5
KN047	49.56	12.57	15.74	0.214	4.31	8.37	2.68	1.45	3.472	0.55	0.81	99.71	488.0	510.7	408.0	389.6	37.0	41.7	34.0	233.0	235.2	1.0	461.0	441.0	<20	37.0	22.8	1.8	<5
KN048A	53.6	13.18	13.72	0.19	4.02	7.66	2.84	1.73	1.725	0.26	1.02	99.96	437.0	456.6	237.0	231.9	34.0	39.5	37.0	183.0	187.2	1.0	403.0	392.6	<20	36.2	21.8	1.7	<5
KN048B	57.2	11.94	13.74	0.155	2.22	5.01	3.01	2.61	1.8	0.4	1.3	99.39	656.0	672.7	204.0	195.2	53.0	55.8	29.0	289.0	289.3	2.0	246.0	230.3	<20	26.9	22.7	2.0	<5
KN049	49.86	13.47	13.87	0.208	5.78	9.84	2.43	0.9	1.926	0.22	0.94	99.44	294.0	300.1	334.0	317.2	27.0	28.8	41.0	133.0	136.9	<1	409.0	399.2	103.2	40.7	19.6	1.6	<5
KN050	49.76	13.65	14.25	0.224	5.78	10.1	2.43	0.85	2.153	0.27	0.97	100.43	313.0	329.0	355.0	330.8	28.0	31.0	40.0	143.0	144.2	<1	436.0	415.1	115.5	41.0	19.9	1.6	<5
KN051	50.81	12.73	15.76	0.209	4.89	8.72	2.45	1.35	2.313	0.28	0.52	100.04	323.0	331.7	270.0	271.8	36.0	37.3	43.0	168.0	164.3	<1	458.0	429.2	42.6	37.8	19.7	1.7	<5
KN052	49.51	13.6	13.85	0.187	6.21	10.24	2.38	0.86	1.877	0.19	0.64	99.56	278.0	283.4	335.0	319.6	24.0	26.8	42.0	125.0	129.1	<1	409.0	407.9	118.2	43.3	19.8	1.8	<5
WW017	66.40	13.24	6.38	0.108	1.16	2.30	2.68	4.19	0.968	0.28	2.79	100.50	889.0	892.7	108.0	112.7	47.0	49.6	19.0	251.0	273.2	3.0	101.0	95.3	<20	12.9	21.9	2.0	<5
WW024	52.52	13.73	13.17	0.185	4.92	8.46	2.53	1.39	1.397	0.19	1.44	99.93	348.0	330.7	232.0	225.1	32.0	31.9	37.0	158.0	157.5	1.0	369.0	341.3	26.1	39.6	21.9	1.7	<5
WW026	67.34	12.53	6.45	0.099	1.04	2.72	3.21	4.26	1.014	0.31	1.48	100.44	640.0	627.7	134.0	129.3	44.0	43.8	17.0	259.0	254.9	3.0	82.0	77.5	<20	10.2	18.5	1.7	<5
WW031	52.75	12.98	14.34	0.219	4.20	8.11	2.72	1.41	1.695	0.21	1.06	99.70	296.0	295.3	177.0	171.8	37.0	37.0	40.0	167.0	163.8	<1	434.0	413.1	<20	38.3	21.3	1.8	<5
WW056	49.66	13.05	14.30	0.206	5.54	9.80	2.28	0.94	2.180	0.27	2.11	100.34	332.0	324.0	350.0	322.8	30.0	28.6	39.0	153.0	147.0	<1	448.0	427.7	96.5	40.2	19.6	1.6	<5
WW068	69.33	13.94	3.74	0.069	1.17	2.40	3.64	2.84	0.456	0.14	2.62	100.32	1222.0	1210.0	507.0	475.6	20.0	18.8	8.0	165.0	155.2	2.0	56.0	52.1	61.8	9.2	16.1	1.2	<5
WW069	65.83	12.75	6.81	0.136	1.43	3.48	3.15	3.95	1.037	0.29	1.57	100.43	582.0	573.4	149.0	141.8	40.0	37.5	19.0	251.0	242.5	3.0	106.0	100.8	<20	12.6	19.3	1.5	<5
WW073	54.69	12.25	15.44	0.200	3.09	6.82	2.75	2.38	1.872	0.27	0.60	100.37	325.0	329.0	161.0	152.8	43.0	41.6	39.0	176.0	172.2	1.0	494.0	479.4	<20	38.1	21.4	1.9	<5
WW076	50.90	15.44	10.67	0.150	5.58	9.89	2.21	1.23	1.181	0.17	1.46	98.86	277.0	284.9	222.0	214.6	25.0	25.1	35.0	132.0	134.5	<1	256.0	256.7	147.8	38.5	19.8	1.4	<5
WW077	52.88	14.71	10.64	0.155	6.19	9.16	2.38	1.48	1.044	0.16	1.57	100.37	312.0	308.9	212.0	194.6	23.0	21.7	35.0	134.0	121.9	<1	246.0	232.5	208.8	38.1	17.4	1.7	<5
WW083	53.03	12.99	14.48	0.193	4.40	8.41	2.79	1.35	1.686	0.22	0.69	100.24	322.0	331.1	199.0	191.2	105.0	102.0	39.0	158.0	157.5	<1	421.0	414.9	<20	38.3	20.5	1.6	<5
WW092	51.04	13.55	13.12	0.213	6.30	10.45	2.41	0.50	1.195	0.13	1.47	100.37	140.0	140.4	170.0	160.9	28.0	27.1	42.0	103.0	94.6	<1	370.0	351.0	29.8	41.8	18.4	1.7	<5
WW095	49.51	13.20	14.35	0.196	5.85	9.61	2.20	0.20	1.427	0.14	3.85	100.53	76.0	80.3	164.0	160.6	31.0	30.6	42.0	107.0	104.5	<1	410.0	406.1	49.4	45.0	20.1	1.6	<5
WW099	53.57	14.64	10.03	0.163	6.49	8.76	2.22	1.61	1.059	0.17	1.72	100.43	340.0	342.9	214.0	202.1	24.0	22.9	34.0	135.0	129.7	<1	246.0	244.0	180.6	37.0	19.0	1.5	<5
WW117A	41.8	13.78	12.23	0.180	5.00	8.91	2.43	1.32	1.289	0.18	1.49	99.92	685.0	716.5	239.0	234.2	35.0	35.2	37.0	130.0	129.9	1.0	356.0	351.0	39.5	41.8	20.6	1.8	<5
WW122	50.48	13.02	13.13	0.165	4.06	7.89	2.50	1.85	4.126	0.60	2.22	100.04	683.0	672.5	801.0	778.2	38.0	36.1	22.0	343.0	339.6	2.0	363.0	336.5	26.0	32.4	25.8	1.6	<5
WW129	54.35	14.04	11.80	0.206	4.44	8.41	2.71	1.17	1.429	0.19	1.62	100.38	382.0	386.8	243.0	233.9	38.0	37.1	37.0	155.0	155.5	1.0	372.0	368.4	20.2	42.4	21.6	1.7	<5
WW130	51.71	14.08	11.64	0.206	6.10	10.60	2.53	0.50	1.320	0.12	0.07	98.86	119.0	118.1	167.0	158.5	28.0	27.3	42.0	93.0	88.6	<1	366.0	361.3	70.8	34.1	18.4	1.2	<5
WW134	55.47	13.76	11.47	0.178	4.84	7.64	2.96	1.68	1.092	0.15	0.85	100.09	372.0	368.3	227.0	216.2	30.0	29.2	39.0	133.0	132.1	<1	290.0	287.8	<20	38.4	18.9	1.9	<5
AC-028	49.81	13.81	12.75	0.192	6.37	10.57	2.36	1.16	1.900	0.21	1.21	100.34	311.0	323.1	374.0	362.6	24.0	24.3	38.0	131.0	137.6	<1	402.0	406.6	156.3	41.3	20.1	1.6	<5
AC-034B	49.65	12.77	14.65	0.231	5.44	9.30	2.39	1.22	2.263	0.25	2.04	100.22	300.0	310.7	268.0	262.7	36.0	35.6	43.0	165.0	163.4	<1	471.0	469.6	100.1	39.9	20.7	1.5	<5
AC-035	51.37	12.82	15.50	0.240	4.87	8.96	2.52	1.32	2.264	0.27	0.32	100.46	323.0	332.8	250.0	245.7	37.0	37.2	41.0	180.0	182.1	<1	447.0	442.7	65.8	40.3	20.6	1.6	<5
ACR-119	67.53	12.68	6.27	0.099	1.04	3.08	3.37	3.75	1.021	0.32	1.02	100.16	602.0	640.6	145.0	146.3	51.0	52.8	17.0	264.0	276.7	3.0	80.0	79.8	<20	10.0	20.2	1.9	<5
ACR-125	50.40	12.61	15.18	0.205	4.09	8.13	2.68	1.61	3.645	0.57	1.30	100.43	559.0	564.3	412.0	395.7	38.0	39.4	33.0	250.0	253.9	1.0	438.0	428.8	21.4	38.4	22.9	1.7	<5
ADR-033	56.95	12.95	11.58	0.160	3.88	6.67	2.58	2.81	1.089	0.15	1.63	100.44	315.0	327.7	123.0	125.8	38.0	39.5	36.0	165.0	170.2	1.0	279.0	260.9	21.3	33.0	19.8	1.9	<5
TG97-569.2	52.61	13.64	14.03	0.203	4.84	8.85	2.88	1.11	1.545	0.19	0.56	100.46	579.0	583.0	245.0	245.0	32.0	35.7	40.0	157.0	161.0	<1	386.0	381.0	22.0	41.0	21.0	1.4	<5
TG97-590.0	52.30	13.47	14.04	0.202	4.74	8.86	2.94	1.18	1.537	0.19	0.36	99.82	360.0	349.0	223.0	216.0	32.0	34.1	39.0	153.0	152.0	<1	382.0	374.0	20.0	40.0	21.0	1.6	<5
TG97-602.0	52.61	13.54	14.11	0.203	4.84	9.02	2.90	1.14	1.525	0.19	0.32	100.41	360.0	354.0	225.0	220.0	32.0	33.5	40.0	154.0	151.0	<1	385.0	373.0	23.0	41.0	20.0	1.4	<5
TG97-615.0	53.25	13.87	13.46	0.202	4.59	9.17	2.95	1.14	1.322	0.18	0.42	100.55	347.0	351.0	232.0	235.0	33.0	35.5	39.0	153.0	157.0	<1	284.0	291.0	<20	40.0	22.0	1.6	<5
TG97-625.0	52.46	13.65	13.97	0.205	4.92	9.09	2.93	1.12	1.511	0.18	0.42	100.45	348.0	337.0	236.0	230.0	33.0	34.1	40.0	156.0	154.0	<1	387.0	383.0	<20	42.0	21.0	1.5	<5
TG97-630.0	52.36	13.55	13.80	0.202	4.75	8.90	2.97	1.27	1.540	0.18	0.83	100.35	371.0	352.0	227.0	218.0	33.0	34.3	39.0	158.0	156.0	<1	380.0	368.0	<20	41.0	20.0	1.8	<5

Geochemical Grade Assay of Rock and Drill Core Samples

SAMPLE	Rb	Nb	Mo	In	Sn	Sb	Cs	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl	Bi*	Bi	Th	U	Ag	Ag	Cd	Cu	Cu
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
KN029	35.1	19.0	<2	0.1	2.2	<0.2	0.6	27.7	59.1	7.5	31.9	7.3	2.2	8.7	1.4	8.3	1.7	4.9	0.7	4.4	0.6	6.4	1.3	<0.5	0.3	<0.1	<2	3.4	0.6	<0.3	---	0.3	289.4	---
KN030	31.1	14.1	<2	<0.1	1.5	0.3	0.3	21.1	44.6	5.9	24.1	5.9	1.9	6.8	1.1	6.7	1.4	4.1	0.6	3.8	0.5	5.1	1.0	<0.5	0.1	<0.1	<2	2.3	0.6	<0.3	---	<0.3	240.1	---
KN031	29.3	16.2	<2	<0.1	1.7	<0.2	0.2	24.5	50.9	6.5	27.6	6.4	2.0	7.3	1.2	7.2	1.5	4.2	0.6	3.7	0.5	5.6	1.1	<0.5	0.2	<0.1	<2	2.9	0.5	<0.3	---	1.4	267.5	---
KN032	19.3	10.3	<2	<0.1	1.1	<0.2	0.2	15.7	33.2	4.3	17.8	4.3	1.4	4.7	0.8	4.8	1.0	2.9	0.4	2.6	0.4	3.5	0.7	<0.5	0.1	<0.1	<2	1.9	0.4	<0.3	---	0.3	172.0	---
KN033	35.8	16.5	<2	<0.1	1.8	<0.2	0.3	24.7	51.1	6.5	27.6	6.4	2.1	6.9	1.2	7.0	1.4	4.2	0.6	3.8	0.5	5.4	1.2	<0.5	0.2	<0.1	<2	2.9	0.5	<0.3	---	<0.3	185.1	---
KN034A	38.1	20.5	<2	<0.1	1.1	<0.2	0.8	31.1	64.9	8.4	36.4	8.0	2.7	7.7	1.1	6.0	1.1	2.8	0.4	2.3	0.3	6.4	1.7	<0.5	0.1	<0.1	<2	3.4	0.7	<0.3	---	<0.3	111.3	---
KN034B	71.8	37.4	2.2	0.1	3.9	<0.2	1.5	62.6	131.5	17.0	69.7	15.0	4.5	13.9	2.0	10.7	2.0	5.2	0.6	3.9	0.5	11.8	2.6	0.6	0.5	<0.1	<2	7.2	1.6	<0.3	---	0.4	251.2	---
KN035A	28.3	14.7	<2	<0.1	1.5	<0.2	1.0	22.2	46.7	5.9	26.2	6.2	1.9	6.8	1.1	7.0	1.4	4.2	0.6	3.7	0.5	5.2	1.0	<0.5	0.2	<0.1	<2	2.7	0.5	0.4	---	0.9	256.3	---
KN036A	47.8	25.1	<2	<0.1	2.9	<0.2	1.0	35.7	75.8	9.8	41.3	9.0	2.9	9.4	1.4	8.0	1.6	4.4	0.6	3.6	0.5	7.5	1.7	<0.5	0.2	<0.1	<2	4.4	0.8	<0.3	---	0.7	234.8	---
KN036B	38.1	23.6	<2	<0.1	1.6	<0.2	0.5	32.0	66.9	8.7	37.6	8.2	2.6	8.4	1.3	7.3	1.4	3.9	0.5	3.4	0.5	6.9	1.6	<0.5	0.2	<0.1	<2	3.9	0.7	<0.3	---	0.7	242.9	---
KN037	36.2	16.5	<2	<0.1	1.6	<0.2	1.9	26.4	55.2	7.0	29.2	6.5	2.3	6.7	1.1	6.6	1.3	3.9	0.6	3.4	0.5	5.3	1.2	<0.5	0.2	<0.1	<2	3.2	0.6	<0.3	---	0.7	237.8	---
KN038	40.2	24.7	<2	<0.1	2.8	<0.2	0.6	37.2	78.5	10.0	43.1	9.5	3.1	9.9	1.5	8.9	1.8	4.9	0.7	4.3	0.6	8.0	1.8	<0.5	0.2	<0.1	<2	4.0	0.8	<0.3	---	0.6	123.6	---
KN039A	25.5	13.4	<2	<0.1	1.3	<0.2	0.7	20.6	43.1	5.5	23.5	5.3	1.8	5.6	0.9	5.5	1.1	3.2	0.5	2.9	0.4	4.1	0.9	<0.5	0.2	<0.1	<2	2.4	0.5	<0.3	---	0.9	190.4	---
KN039B	35.3	19.9	<2	<0.1	1.6	<0.2	0.9	29.7	62.4	7.9	33.5	7.5	2.5	8.4	1.3	7.7	1.6	4.5	0.6	4.1	0.6	6.0	1.4	<0.5	0.2	<0.1	<2	3.5	0.7	<0.3	---	0.3	348.4	---
KN040A	32.2	15.6	<2	<0.1	1.4	<0.2	0.8	24.4	50.5	6.4	28.0	6.1	2.0	6.9	1.0	6.3	1.3	3.7	0.5	3.2	0.5	4.7	1.1	<0.5	0.2	<0.1	<2	2.9	0.6	<0.3	---	0.5	210.9	---
KN040B	29.1	15.6	<2	<0.1	1.5	<0.2	1.0	24.4	50.2	6.4	26.9	6.1	2.0	6.7	1.0	6.3	1.3	3.6	0.5	3.2	0.5	4.8	1.0	<0.5	0.3	<0.1	<2	2.9	0.6	<0.3	---	<0.3	209.7	---
KN040C	27.2	15.0	<2	<0.1	2.7	<0.2	0.8	21.9	45.5	5.9	24.9	5.7	1.9	6.5	1.0	5.8	1.2	3.5	0.5	3.1	0.4	4.5	1.0	<0.5	0.1	<0.1	<2	2.5	0.5	<0.3	---	0.5	415.7	---
KN042	45.4	10.4	<2	<0.1	4.3	<0.2	1.4	15.9	34.7	3.9	17.0	3.8	1.2	4.4	0.7	4.3	0.9	2.4	0.4	2.2	0.3	3.2	0.8	<0.5	0.3	0.1	<2	4.8	1.0	<0.5	<0.3	0.6	120.0	121.8
KN043	195.4	25.0	<2	<0.1	9.4	0.3	10.3	53.3	109.1	12.1	48.9	10.2	1.9	10.6	1.7	10.0	2.0	5.7	0.9	5.4	0.8	8.9	2.4	1.8	1.0	0.2	<2	19.0	3.7	<0.5	0.4	2.3	28.5	27.5
KN044	18.0	8.4	<2	0.2	54.9	<0.2	1.6	16.6	35.0	4.2	18.1	4.2	1.3	4.6	0.8	4.9	1.0	2.8	0.4	2.6	0.4	4.0	1.7	<0.5	0.1	0.2	<2	4.9	1.1	<0.5	<0.3	0.5	92.6	91.0
KN045	61.7	12.1	<2	<0.1	<1	<0.2	2.2	21.5	47.1	5.3	22.5	5.1	1.5	5.6	1.0	5.8	1.1	3.3	0.5	3.0	0.5	4.2	1.0	0.6	0.4	0.1	<2	6.3	1.6	<0.5	<0.3	0.5	66.8	64.7
KN046A	36.9	7.0	<2	<0.1	11.6	<0.2	1.0	13.4	29.9	3.5	15.5	3.8	1.3	4.3	0.8	4.7	1.0	2.7	0.4	2.5	0.4	3.1	0.7	<0.5	0.1	<0.1	<2	3.6	0.9	<0.5	<0.3	0.8	121.7	126.7
KN047	33.5	23.8	<2	<0.1	2.9	<0.2	0.4	36.5	81.6	9.5	41.5	8.9	3.0	8.8	1.4	8.2	1.5	4.1	0.6	3.7	0.6	6.9	1.9	<0.5	0.1	<0.1	<2	4.4	0.9	<0.5	0.4	0.8	152.3	146.0
KN048A	59.4	17.3	<2	<0.1	<1	<0.2	1.6	29.9	63.3	7.0	29.6	6.6	2.0	6.9	1.2	7.2	1.5	4.1	0.6	3.8	0.6	5.6	1.3	0.6	0.3	<0.1	<2	7.2	1.5	<0.5	<0.3	0.8	140.0	141.0
KN048B	92.1	25.5	2.1	<0.1	1.1	<0.2	2.3	45.3	96.5	10.8	45.1	9.7	2.6	10.5	1.7	10.4	2.1	5.8	0.9	5.3	0.8	8.5	1.8	1.3	0.5	<0.1	<2	11.1	2.4	<0.5	0.3	0.8	198.9	193.3
KN049	19.0	12.7	<2	<0.1	<1	<0.2	0.2	19.5	43.1	5.0	21.8	5.0	1.8	5.4	0.9	5.5	1.0	3.0	0.4	2.8	0.4	4.1	0.9	<0.5	0.1	<0.1	<2	2.5	0.4	<0.5	0.7	204.8	210.2
KN050	12.0	13.4	<2	<0.1	<1	<0.2	0.3	21.6	48.6	5.6	24.0	5.5	1.9	5.8	1.0	6.0	1.2	3.3	0.5	3.0	0.4	4.4	1.0	<0.5	0.1	<0.1	<2	2.8	0.6	<0.5	<0.3	0.9	201.6	206.3
KN051	37.6	14.2	<2	<0.1	<1	<0.2	0.4	23.3	51.7	5.9	25.6	6.0	2.0	6.6	1.2	7.1	1.4	4.0	0.6	3.7	0.5	5.0	1.1	<0.5	0.1	<0.1	<2	2.9	0.5	<0.5	0.3	1.0	252.1	280.3
KN052	17.3	12.2	<2	<0.1	<1	<0.2	0.1	17.9	40.0	4.6	20.1	4.6	1.7	5.0	0.9	5.0	1.0	2.9	0.4	2.6	0.4	3.7	0.8	<0.5	0.1	<0.1	<2	2.2	0.4	<0.5	<0.3	0.9	224.2	200.5
WW017	247.3	21.6	<2	<0.1	5.3	0.3	10.1	47.9	104.9	11.6	45.7	9.6	2.1	9.2	1.5	9.3	1.8	5.3	0.8	4.8	0.7	7.3	2.0	1.3	1.5	0.7	<2	13.0	4.4	<0.3	---	<0.3	60.8	---
WW024	43.5	12.7	<2	<0.1	1.5	0.3	1.3	24.8	52.0	5.9	24.2	5.4	1.7	5.7	1.0	5.9	1.2	3.6	0.5	3.2	0.5	4.2	0.9	<0.5	0.1	0.2	<2	5.4	1.2	<0.3	---	0.5	176.3	---
WW026	182.1	20.5	<2	<0.1	4.4	0.3	5.9	41.9	88.1	9.6	39.1	8.3	1.8	8.2	1.4	7.8	1.6	4.6	0.7	3.7	0.6	7.4	1.8	1.1	1.3	1.0	<2	12.3	3.8	<0.3	---	0.4	126.3	---
WW031	64.0	9.8	<2	<0.1	1.3	<0.2	2.9	19.5	42.4	5.0	22.8	5.9	1.7	6.4	1.1	6.8	1.4	4.1	0.6	3.4	0.5	4.6	0.7	<0.5	0.5	0.2	<2	4.3	1.0	<0.3	---	0.4	179.4	---
WW056	40.5	13.4	<2	<0.1	<1	<0.2	4.1	20.4	45.8	5.3	23.4	5.2	1.8	5.5	0.9	5.4	1.1	3.1	0.5	2.5	0.4	4.2	0.9	<0.5	0.5	<0.1	<2	2.4	0.5	<0.3	---	<0.3	264.8	---
WW068	74.2	9.1	<2	<0.1	<1	0.3	0.9	44.0	81.3	8.2	29.9	5.0	1.5	4.0	0.6	3.3	0.6	2.0	0.3	1.6	0.2	4.0	0.7	<0.5	0.7	0.1	<2	6.5	0.7	<0.3	---	<0.3	11.6	---
WW069	180.3	19.9	<2	<0.1	4.0	<0.2	7.0	39.8	85.2	9.3	37.3	8.0	1.7	7.4	1.2	7.2	1.4	4.2	0.6	3.4	0.5	6.9	1.8	1.2	1.4	0.3	<2	12.3	4.3	<0.3	---	<0.3	54.6	---
WW073	145.0	12.2	<2	<0.1	2.2	0.3	9.3	23.8	51.3	6.0	25.6	6.3	1.9	7.0	1.3	7.8	1.6	4.7	0.6	3.9	0.6	5.1	1.0	0.7	0.9	0.2	<2	6.2	1.7	<0.3	---	<0.3	250.5	---
WW076	42.1	9.7	<2	<0.1	<1	<0.2	0.7	18.1	40.7	4.6	19.3	4.5	1.3	4.6	0.8	4.6	0.9	2.8	0.4	2.2	0.4	3.8	0.6	<0.5	0.3	<0.1	<2	3.9	0.6	<0.3	---	0.3	79.8	---
WW077	48.1	8.2	<2	<0.1	<1	0.3	0.9	16.6	36.6	4.1	17.5	3.9	1.2	4.1	0.7	4.0	0.8	2.4	0.4	3.4	0.6	3.5	0.9	<0.5	0.4	0.1	<2	3.5	0.9	<0.3	---	<0.3	150.6	---
WW083	47.5	10.9	<2	<0.1	1.1	0.7	1.0	31.5	45.9	7.7	34.2	9.2	3.2	12.8	2.4	15.8	3.4	10.1	1.4	6.8	0.9	4.5	0.7	<0.5	0.4	<0.1	<2	4.3	0.9	<0.3	---	<0.3	167.3	---
WW092	18.1	5.8	<2	<0.1	<1	<0.2	0.7	10.7	24.4	2.9	13.3	3.6	1.2	4.3	0.8	4.9	1.0	3.0	0.4	2.6	0.4	2.9	0.4	<0.5	0.5	<0.1	<2	2.4	0.7	<0.3	---	<0.3	165.7	---
WW095	6.4	5.5	<2	<0.1	<1	0.2	0.4	10.8	26.2	3.2	14.8	4.1	1.4	5.0	0.9	5.9	1.2	3.5	0.5	3.2	0.4	3.2	0.4	<0.5	0.2	<0.1	<2	2.4	0.6	<0.3	---	0.6	217.0	---
WW099	60.0	8.7	<2	<0.1	1.1	<0.2	1.5	19.7	44.1	4.9	20.4	4.6	1.3	4.5	0.8	4.4	0.9	2.6	0.4	2.2	0.3	3.9	0.7	<0.5	0.5	<0.1	<2	4.5	1.0	<0.3	---	0.4	62.6	---
WW117A	84.4	9.8	<2	<0.1	1.7	<0.2	4.2	20.7	44.4	5.2	22.5	5.3	1.6	6.1	1.0	6.2	1.3	3.7	0.5	3.1	0.4	3.7	0.7	<0.5	2.4	0.1	<2	4.4	1.2	<0.3	---	<0.3	238.5	---
WW122	25.4	30.8	<2	<0.1	2.7	<0.2	0.7	47.8	109.0	12.5	55.0	11.7	3.7	10.2	1.5	8.1	1.4	3.8	0.5	2.8	0.3	9.2	2.3	<0.5	0.2	<0.1	<2	4.6	1.0	<0.3	---	0.5	226.1	---
WW129	61.6	13.1	<2	<0.1	1.4	<0.2	2.3	25.8	55.8	6.2	26.0	6.0	1.7	6.3	1.1	6.8	1.4	4.0	0.6	3.4	0.5	4.3	0.9	<0.5	1.0	<0.1	<2	5.6	1.3	<0.3	---	<0.3	182.5	---
WW130	18.5	5.0	<2	<0.1	<1	<0.2	0.4	8.5	21.0	2.6	12.4	3.7	1.3	4.4	0.8	5.3	1.1	3.2	0.5	2.6	0.4	2.7	0.4	<0.5	0.1	<0.1	<2	1.6	0.5	<0.3	---	<0.3	186.5	---
WW134	71.3	9.4	<2	<0.1	1.2	<0.2	2.0	20.6	45.1	5.0	21.0	4.7	1.3	4.9	0.8	4.9	1.0	2.9	0.4	2.3	0.3	3.9	0.7	<0.5	0.8	0.1	<2	5.2	1.2	<0.3	---	<0.3	87.6	---
AC-028	34.0	12.6	<2	<0.1	<1	<0.2	0.3	19.0	42.6	4.9	21.5	4.6	1.6	4.9	0.8	4.6	0.9	2.7	0.4	2.3	0.3	3.7	0.8	<0.5	0.1	<0.1	<2	2.1	0.4	<0.3	---	0.6	213.8	---
AC-034B	29.9	14.2	<2	<0.1	<1	<0.2	0.3	21.3	48.6	5.6	25.1	5.9	1.9	6.4	1.1	6.6	1.4	4.0	0.6	3.4	0.5	4.7	0.9	<0.5	0.1	<0.1	<2	2.4	0.4	<0.3	---	<0.3	308.3	---
AC-035	36.1	15.0	<2	<0.1	1.1	<0.2	0.5	22.8	51.7	5.9	26.0	6.0	2.0	6.4	1.1	6.9	1.4	4.1	0.6	3.5	0.5	5.0	1.0	<0.5	0.1	<0.1	<2	2.5	0.5	<0.3	---	<0.3	227.9	---
ACR-119	202.6	22.3	<2	<0.1	4.7	0.3	7.9	52.1	110.7	12.2	50.3	10.3	2.2	10.1	1.7	9.6	1.9	5.6	0.8	4.7	0.7	7.6	1.9	1.1	1.7	0.4	<2	12.6	4.2	<0.3	---	<0.3	114.7	---
ACR-125	39.5	26.3	<2	<0.1	1.6	<0.2	0.4	37.3	85.9	9.7	42.3	9.1	2.9	8.7	1.4	7.7	1.5	4.3	0.6	3.4	0.5	6.9	1.9	<0.5	0.2	<0.1	<2	3.9	0.8	<0.3	---	<0.3	198.7	---
ADR-033	160.8	11.7	<2	<0.1	2.5	0.4	6.0	24.6	51.3	6.1	25.6	6.0	1.6	6.4	1.1	7.3	1.4	4.3	0.5	3.7	0.5	4.9	1.0	0.8	1.2	0.3	<2	6.9	2.1	<0.3	---	0.5	125.5	---
TG97-569.2	38.0	10.5	<2	<0.1	2.0	<0.2	1.5	22.0	45.8	5.7	24.5	5.5	1.7	6.3	1.0	6.2	1.2	3.7	0.5	3.4	0.5	4.5	0.6	<0.5	0.3	<0.1	<2	4.4	0.7	<0.3	---	<0.3	143.9	---
TG97-590.0	38.0	9.8	<2	<0.1	1.0	<0.2	0.7	21.2	44.7	5.5	24.0	5.3	1.7	6.2	1.0	6.2	1.2	3.6	0.5	3.3	0.5	4.2	0.6	<0.5	0.2	<0.1	<2	4.3	0.7	<0.3	---	<0.3	145.0	---
TG97-602.0	35.0	9.8	<2	<0.1	1.0	<0.2	0.6	20.9	43.3	5.4	23.5	5.3	1.7	6.0	1.0	6.0	1.2	3.5	0.5	3.1	0.5	4.3	0.6	<0.5	0.4	<0.1	<2	4.2	0.7	<0.3	---	<0.3	134.5	---
TG97-615.0	36.0	10.2	<2	<0.1	1.0	<0.2	0.8	21.6	45.5	5.6	24.2	5.5	1.8	6.4	1.0	6.3	1.2	3.7	0.6	3.3	0.5	4.4	0.6	<0.5	0.2	0.1	<2	4.4	0.7	<0.3	---	<0.3	133.1	---
TG97-625.0	34.0	10.1	<2	<0.1	1.0	<0.2	0.6	21.4	44.3	5.5	23.8	5.3	1.7	6.1	1.0	6.1	1.2	3.5	0.5	3.3	0.5	4.5	0.6	<0.5	0.2	<0.1	<2	4.4	0.7	<0.3	---	<0.3	132.3	---
TG97-630.0	39.0	10.3	<2	<0.1	1.0	<0.2	0.6	21.8	45.6	5.7	24.2	5.4	1.7	6.4	1.0	6.3	1.2	3.7	0.5	3.4	0.5	4.4	0.6	<0.5	0.2	<0.1	<2	4.4	0.7	<0.3	---	<0.3	134.5	---

Geochemical Grade Assay of Rock and Drill Core Samples

SAMPLE	Ni ppm	Ni ppm	Pb ppm	Pb ppm	Zn ppm	Zn ppm	S %	Pd ppb	Pt ppb	Au ppb
KN029	33.0	---	6.9	---	121.6	---	<0.001	6.2	10.7	1.4
KN030	36.0	---	14.7	---	113.6	---	<0.001	7.8	8.7	1.3
KN031	32.3	---	18.1	---	124.9	---	<0.001	16.5	4.9	5.6
KN032	54.4	---	<3	---	92.6	---	<0.001	13.4	7.8	4.1
KN033	26.8	---	13.1	---	120.3	---	<0.001	18.3	4.6	7.3
KN034A	65.8	---	<3	---	93.5	---	<0.001	5.3	7.9	3.2
KN034B	14.9	---	7.6	---	139.9	---	0.011	9.0	1.0	6.5
KN035A	43.0	---	<3	---	114.8	---	0.031	15.1	6.7	5.9
KN036A	33.0	---	<3	---	132.8	---	0.037	3.2	4.3	3.6
KN036B	33.1	---	5.4	---	130.6	---	0.696	3.8	4.4	1.2
KN037	25.9	---	4.1	---	115.9	---	0.055	7.3	6.8	6.4
KN038	4.1	---	<3	---	132.7	---	0.137	<0.2	<0.2	<2
KN039A	63.8	---	<3	---	96.0	---	0.051	5.6	5.7	2.7
KN039B	21.2	---	<3	---	135.5	---	0.127	10.1	14.1	6.9
KN040A	56.5	---	11.3	---	107.2	---	0.068	6.5	6.4	3.3
KN040B	53.9	---	8.3	---	107.0	---	0.104	6.3	6.0	2.5
KN040C	42.8	---	<3	---	133.3	---	0.087	14.1	14.7	8.5
KN042	67.8	57.0	10.3	10.2	94.8	87.3	0.010	1.0	3.6	<2
KN043	<20	1.4	40.4	26.1	75.3	93.7	0.003	<0.2	0.2	<2
KN044	47.9	46.4	9.4	9.7	91.2	87.7	0.011	6.0	7.6	3.5
KN045	36.2	30.5	14.2	8.2	102.3	94.6	0.009	0.2	0.9	<2
KN046A	35.9	32.0	<5	9.3	61.2	87.0	0.011	7.4	5.6	2.9
KN047	43.5	26.7	7.6	4.3	140.3	124.6	0.032	<0.2	0.2	<2
KN048A	34.0	26.1	9.0	7.4	105.3	112.0	0.009	3.4	5.2	2.3
KN048B	<20	6.6	19.0	12.5	125.9	118.4	0.008	8.9	2.6	2.3
KN049	84.7	65.4	<5	<3	100.8	102.1	0.010	14.4	6.6	3.7
KN050	87.4	69.6	<5	3.1	118.5	108.4	0.012	10.4	14.5	3.6
KN051	52.5	43.3	<5	<3	120.9	118.2	0.011	20.6	4.0	5.8
KN052	77.8	53.1	<5	<3	116.0	103.2	<0.001	13.2	8.2	8.6
WW017	1.6	---	18.8	---	89.3	---	<0.001	1.4	1.3	1.1
WW024	32.9	---	<3	---	100.4	---	<0.001	11.7	9.9	3.2
WW026	1.2	---	18.2	---	84.8	---	<0.001	1.7	1.2	2.7
WW031	28.4	---	6.2	---	107.2	---	<0.001	8.8	6.9	2.7
WW056	54.3	---	<3	---	105.4	---	<0.001	14.3	11.3	4.9
WW068	25.0	---	22.9	---	49.4	---	0.004	0.2	0.1	<1
WW069	4.6	---	26.3	---	87.4	---	0.003	0.4	1.5	1.3
WW073	22.9	---	9.9	---	125.7	---	<0.001	4.8	8.8	1.2
WW076	85.8	---	5.5	---	84.0	---	<0.001	6.9	4.9	16.2
WW077	103.3	---	<3	---	81.9	---	<0.001	5.6	5.7	2.4
WW083	30.3	---	<3	---	113.4	---	<0.001	9.2	3.8	4.4
WW092	47.9	---	<3	---	88.3	---	<0.001	8.7	2.3	2.0
WW095	42.5	---	<3	---	100.7	---	<0.001	8.8	4.8	2.7
WW099	116.7	---	9.1	---	78.4	---	0.002	1.1	2.5	2.1
WW117A	41.2	---	7.7	---	100.1	---	<0.001	12.8	10.6	3.5
WW122	40.3	---	7.3	---	114.9	---	<0.001	6.9	3.7	5.2
WW129	30.9	---	7.5	---	102.3	---	<0.001	11.5	9.7	3.2
WW130	57.4	---	<3	---	94.2	---	0.012	12.1	5.5	3.2
WW134	40.1	---	8.4	---	93.0	---	<0.001	13.7	12.6	3.3
AC-028	69.8	---	<3	---	90.8	---	<0.001	16.5	11.9	4.0
AC-034B	49.6	---	<3	---	117.5	---	<0.001	19.1	5.9	5.6
AC-035	40.6	---	16.2	---	111.2	---	<0.001	15.2	7.6	4.9
ACR-119	<1	---	12.2	---	86.4	---	<0.001	2.0	1.4	1.3
ACR-125	22.3	---	7.7	---	125.6	---	0.004	1.3	0.6	2.7
ADR-033	25.6	---	<3	---	96.0	---	<0.001	7.4	3.3	2.9
TG97-569.2	27.0	---	15.3	---	89.0	---	0.177	8.5	4.7	2.3
TG97-590.0	25.4	---	14.7	---	86.7	---	0.019	8.9	4.6	2.3
TG97-602.0	26.4	---	16.4	---	88.3	---	0.015	9.1	4.7	2.3
TG97-615.0	20.6	---	23.7	---	84.1	---	0.015	9.0	5.0	2.5
TG97-625.0	27.2	---	16.1	---	85.6	---	0.016	8.5	4.5	2.2
TG97-630.0	24.4	---	21.6	---	86.3	---	0.026	8.8	4.5	1.9

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Geochemical Grade Assay of Rock and Drill Core Samples

SAMPLE	SiO2 %	Al2O3 %	Fe2O3 %	MnO %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	LOI %	TOTAL %	Ba* ppm	Ba ppm	Sr* ppm	Sr ppm	Y* ppm	Y ppm	Sc ppm	Zr* ppm	Zr ppm	Be ppm	V ppm	V ppm	Cr ppm	Co ppm	Ga ppm	Ge ppm	As ppm
TG97-650.0	52.98	13.67	13.36	0.199	4.69	8.82	2.95	1.18	1.512	0.18	0.14	99.69	370.0	360.0	231.0	227.0	32.0	34.4	39.0	154.0	156.0	<1	373.0	368.0	24.0	39.0	20.0	1.4	<5
TG97-664.0	52.95	13.58	13.86	0.202	4.70	8.80	3.02	1.20	1.514	0.19	0.08	100.08	367.0	362.0	232.0	232.0	32.0	35.2	39.0	155.0	160.0	<1	374.0	372.0	25.0	41.0	21.0	1.8	<5
TG228-725	53.14	13.71	14.01	0.203	4.73	8.86	3.01	1.20	1.542	0.19	-0.18	100.41	392.0	389.0	248.0	247.0	33.0	35.8	40.0	160.0	161.0	<1	382.0	383.0	29.0	42.0	22.0	1.5	8.0
TG228-740	53.10	13.68	14.05	0.207	4.65	8.69	3.03	1.24	1.548	0.19	0.06	100.43	383.0	369.0	235.0	230.0	33.0	35.4	39.0	157.0	159.0	<1	382.0	378.0	24.0	41.0	21.0	1.8	<5
TG228-755.0	51.98	12.59	16.56	0.224	3.78	7.84	2.90	1.36	2.312	0.22	0.39	100.17	415.0	399.0	217.0	209.0	39.0	41.3	41.0	190.0	189.0	<1	641.0	629.0	<20	43.0	22.0	1.4	<5
TG228-770	52.47	14.13	12.68	0.188	4.66	9.78	2.98	1.10	1.415	0.17	0.91	100.48	342.0	334.0	236.0	232.0	31.0	32.8	41.0	148.0	144.0	<1	376.0	367.0	28.0	38.0	20.0	1.7	<5
TG228-785	52.44	13.86	13.12	0.198	5.15	9.44	2.95	1.07	1.387	0.17	0.64	100.42	330.0	321.0	243.0	233.0	30.0	31.0	40.0	142.0	138.0	<1	364.0	345.0	29.0	39.0	20.0	1.1	<5
TG228-800	53.04	13.72	13.77	0.201	4.78	8.76	3.01	1.25	1.497	0.19	0.03	100.24	373.0	377.0	242.0	242.0	33.0	35.1	40.0	160.0	158.0	<1	372.0	368.0	25.0	42.0	21.0	1.8	<5
TG228-817	53.14	13.70	13.81	0.206	4.80	8.89	3.01	1.26	1.523	0.19	0.01	100.53	375.0	361.0	243.0	233.0	32.0	33.0	40.0	160.0	149.0	<1	380.0	364.0	26.0	39.0	20.0	1.6	<5
TG228-830	53.04	13.55	13.86	0.199	4.77	8.98	2.96	1.06	1.528	0.19	0.16	100.29	361.0	379.0	221.0	232.0	33.0	36.3	39.0	159.0	163.0	<1	379.0	391.0	25.0	42.0	22.0	1.9	<5
TG95-639.3	55.24	13.59	12.53	0.182	3.69	7.33	2.91	1.99	1.396	0.21	1.07	100.14	451.0	465.0	218.0	220.0	32.0	35.3	35.0	188.0	186.0	1.0	315.0	311.0	<20	38.0	22.0	1.7	<5
TG95-650.3	54.88	13.45	12.35	0.178	3.64	6.73	3.69	2.05	1.381	0.20	1.80	100.35	460.0	477.0	474.0	481.0	33.0	34.9	34.0	186.0	186.0	1.0	310.0	310.0	<20	37.0	21.0	1.5	<5
TG95-664.7	53.24	13.58	13.56	0.207	4.73	8.93	2.97	1.20	1.538	0.19	0.11	100.25	367.0	361.0	236.0	224.0	33.0	34.2	39.0	162.0	160.0	<1	377.0	398.0	26.0	41.0	20.0	1.7	<5
TG95-682.0	53.01	12.47	15.98	0.206	3.42	7.45	2.90	1.61	2.143	0.28	0.71	100.17	447.0	438.0	204.0	195.0	42.0	44.9	37.0	218.0	218.0	<1	493.0	517.0	<20	43.0	22.0	1.6	<5
TG95-695.0	53.13	13.40	14.58	0.211	4.61	8.75	2.86	1.15	1.603	0.21	0.50	100.99	356.0	343.0	248.0	231.0	34.0	33.3	39.0	162.0	153.0	<1	405.0	409.0	<20	43.0	20.0	1.8	<5
TG95-709.4	52.48	13.88	11.90	0.201	5.40	9.75	2.80	0.97	1.323	0.14	0.31	99.15	311.0	293.0	273.0	250.0	29.0	27.7	41.0	137.0	123.0	<1	366.0	357.0	32.0	36.0	18.0	1.2	<5
TG95-725.0	52.67	13.83	13.06	0.196	5.34	9.66	2.84	0.99	1.316	0.16	0.34	100.41	313.0	298.0	244.0	223.0	29.0	28.9	41.0	142.0	136.0	<1	358.0	353.0	45.0	42.0	19.0	1.7	<5
TG95-743.0	52.07	13.58	13.42	0.202	5.12	9.67	2.79	1.08	1.411	0.17	0.87	100.38	345.0	327.0	328.0	298.0	30.0	30.0	40.0	146.0	141.0	<1	373.0	366.0	34.0	41.0	18.0	1.3	<5
TG95-756.3	52.94	13.60	13.99	0.204	4.96	9.23	2.83	1.12	1.463	0.18	0.08	100.32	348.0	323.0	236.0	215.0	31.0	31.3	40.0	158.0	150.0	<1	379.0	368.0	26.0	41.0	19.0	1.7	<5
TG95-772.8	53.13	13.44	13.99	0.208	4.70	8.91	2.88	1.17	1.537	0.19	-0.04	100.09	379.0	369.0	237.0	224.0	33.0	34.2	39.0	171.0	162.0	<1	378.0	379.0	22.0	41.0	20.0	1.4	<5
TG27-91.5	46.23	13.48	10.81	0.149	9.10	11.64	1.69	0.52	1.436	0.13	4.53	99.73	187.0	178.0	296.0	273.0	20.0	19.9	40.0	114.0	104.0	<1	307.0	309.0	1230.0	64.0	17.0	1.6	<5
TG27-93.2	57.15	12.17	12.08	0.172	2.21	4.52	2.12	3.61	1.663	0.27	4.46	100.43	1304.0	1210.0	308.0	292.0	41.0	35.8	42.0	245.0	237.0	2.0	191.0	182.0	<20	23.0	19.0	1.7	<5
TG27-112.0	67.60	12.29	7.38	0.099	1.10	1.98	3.11	4.70	0.985	0.28	0.86	100.16	707.0	685.0	135.0	126.0	42.0	42.6	19.0	275.0	266.0	3.0	59.0	55.0	<20	11.0	18.0	1.8	<5
TG27-119.0	59.42	12.52	12.08	0.173	2.39	4.44	2.70	2.77	1.581	0.28	2.04	100.39	488.0	479.0	182.0	168.0	39.0	38.3	27.0	239.0	225.0	2.0	190.0	192.0	<20	26.0	21.0	1.2	<5
TG27-138.5	58.20	12.50	13.10	0.164	2.05	4.86	3.06	2.84	1.708	0.26	1.56	100.31	569.0	559.0	183.0	178.0	40.0	41.4	32.0	225.0	232.0	2.0	281.0	298.0	<20	33.0	22.0	1.5	<5
TG07-235.0	66.79	12.81	7.38	0.118	1.04	2.90	3.00	3.98	0.999	0.29	0.83	100.13	665.0	638.0	211.0	201.0	43.0	43.3	19.0	271.0	272.0	3.0	54.0	51.0	<20	12.0	19.0	1.6	<5
TG07-250.0	67.07	12.88	7.18	0.115	0.99	3.04	3.06	3.97	1.006	0.29	0.83	100.43	649.0	598.0	191.0	182.0	43.0	42.0	19.0	274.0	266.0	3.0	54.0	50.0	<20	11.0	18.0	1.5	<5
TG07-270.0	66.31	12.88	7.72	0.119	0.98	3.18	3.03	3.92	1.044	0.30	0.96	100.45	661.0	604.0	190.0	182.0	44.0	43.3	19.0	274.0	268.0	3.0	53.0	49.0	<20	12.0	19.0	1.5	<5
AT03-486.3	54.40	13.15	11.31	0.129	4.78	2.95	5.19	1.90	1.092	0.21	5.33	100.45	319.0	296.0	160.0	155.0	29.0	28.8	25.0	160.0	155.0	<1	249.0	252.0	26.0	32.0	17.0	1.4	<5
AT03-487.0	52.89	13.27	14.66	0.290	4.60	5.44	4.02	2.09	1.518	0.23	3.16	100.25	473.0	441.0	227.0	222.0	32.0	32.2	36.0	169.0	165.0	<1	355.0	354.0	<20	32.0	19.0	1.6	<5
AT03-498.5	54.26	12.73	14.53	0.194	3.19	7.15	2.75	1.71	1.810	0.26	1.39	99.97	353.0	333.0	241.0	242.0	37.0	37.6	35.0	176.0	179.0	<1	433.0	447.0	<20	40.0	21.0	1.4	<5
AT03-509.4	55.19	12.79	14.78	0.199	3.03	6.89	2.91	1.93	1.862	0.28	0.66	100.50	390.0	367.0	227.0	223.0	39.0	39.9	35.0	191.0	191.0	<1	438.0	448.0	<20	39.0	21.0	1.4	<5
AT03-519.2	54.44	12.80	14.57	0.202	3.48	7.33	2.85	1.76	1.725	0.25	0.78	100.17	356.0	330.0	241.0	237.0	37.0	35.8	35.0	169.0	169.0	<1	426.0	429.0	<20	40.0	21.0	1.6	<5
AT03-528.9	54.00	12.52	14.91	0.203	3.34	7.25	2.83	1.79	1.798	0.27	0.61	99.53	378.0	361.0	223.0	216.0	38.0	38.4	36.0	177.0	178.0	<1	442.0	456.0	<20	41.0	22.0	1.8	<5
AT03-537.3	54.59	12.63	15.06	0.206	3.30	7.30	2.90	1.79	1.810	0.26	0.46	100.31	375.0	384.0	221.0	220.0	39.0	40.1	36.0	178.0	175.0	<1	452.0	453.0	<20	39.0	23.0	1.6	<5
AT03-547.4	54.79	12.60	14.66	0.196	3.21	6.92	2.87	1.91	1.813	0.27	1.15	100.39	399.0	404.0	213.0	211.0	39.0	40.0	35.0	183.0	180.0	<1	486.0	443.0	42.0	35.0	23.0	1.4	<5
AT03-590.1	53.59	12.52	15.87	0.214	3.70	7.79	2.69	1.33	1.875	0.24	0.57	100.38	302.0	310.0	184.0	186.0	40.0	43.1	40.0	164.0	163.0	<1	486.0	502.0	<20	42.0	22.0	1.6	<5
AT03-600.0	53.27	12.52	16.04	0.219	3.70	7.89	2.81	1.45	1.882	0.24	0.40	100.43	303.0	321.0	187.0	180.0	40.0	43.2	40.0	164.0	165.0	<1	483.0	499.0	21.0	43.0	22.0	1.7	<5
AT03-607.9	53.44	12.50	15.97	0.219	3.69	7.64	2.78	1.39	1.866	0.25	0.67	100.42	296.0	322.0	189.0	189.0	41.0	44.1	40.0	167.0	170.0	<1	483.0	502.0	<20	42.0	23.0	2.8	<5
AT03-616.9	53.22	12.51	16.06	0.217	3.72	7.73	2.69	1.32	1.878	0.24	0.65	100.22	291.0	300.0	180.0	171.0	40.0	42.9	40.0	164.0	162.0	<1	484.0	485.0	20.0	42.0	23.0	1.6	<5
AT08-792.4	58.34	12.81	12.46	0.175	2.45	5.94	3.01	2.44	1.602	0.29	0.85	100.36	446.0	467.0	202.0	193.0	40.0	42.7	30.0	204.0	209.0	1.0	309.0	314.0	<20	31.0	22.0	1.6	<5
AT08-802.85	56.85	11.96	15.01	0.198	1.92	6.00	2.96	2.34	1.974	0.36	0.68	100.25	477.0	473.0	200.0	182.0	50.0	49.3	30.0	244.0	231.0	2.0	270.0	256.0	<20	30.0	22.0	1.6	<5
AT08-815.1	54.66	12.74	14.94	0.208	3.28	7.20	2.96	1.73	1.860	0.27	0.16	100.00	376.0	378.0	211.0	198.0	39.0	39.5	36.0	181.0	174.0	<1	440.0	437.0	<20	37.0	22.0	1.4	<5
AT08-825.0	54.07	12.88	14.95	0.206	3.39	7.24	3.03	1.77	1.829	0.26	0.32	99.94	398.0	377.0	210.0	196.0	38.0	37.1	35.0	177.0	163.0	1.0	463.0	422.0	<20	37.0	21.0	1.5	<5
AT08-834.4	54.32	12.94	14.86	0.206	3.39	7.38	2.95	1.78	1.808	0.26	0.44	100.47	373.0	369.0	209.0	193.0	38.0	38.8	36.0	179.0	171.0	1.0	449.0	430.0	<20	38.0	22.0	1.8	<5
AT08-845.1	54.10	12.90	14.98	0.208	3.33	7.34	3.01	1.77	1.855	0.26	0.15	99.90	382.0	386.0	210.0	197.0	38.0	39.7	36.0	183.0	175.0	1.0	468.0	458.0	<20	39.0	23.0	1.7	<5
AT08-853.05	53.91	12.80	14.86	0.207	3.38	7.36	2.95	1.72	1.833	0.26	0.93	100.32	365.0	378.0	217.0	211.0	38.0	40.8	35.0	177.0	181.0	1.0	456.0	469.0	<20	40.0	23.0	1.8	<5
AT08-925.3	60.03	12.84	11.57	0.171	2.17	5.45	3.16	2.60	1.534	0.30	0.20	100.10	494.0	506.0	188.0	178.0	42.0	43.9	27.0	222.0	221.0	2.0	238.0	236.0	<20	26.0	22.0	1.5	<5
AT08-936.5	57.46	12.82	13.40	0.199	2.41	6.21	3.17	2.18	1.753	0.31	0.44	100.45	462.0	485.0	209.0	209.0	44.0	48.5	30.0	218.0	227.0	2.0	271.0	283.0	<20	33.0	24.0	2.0	<5
AT08-947.75	55.28	12.98	14.59	0.209	3.10	7.11	3.07	1.86	1.843	0.27	-0.04	100.39	419.0	406.0	214.0	200.0	39.0	40.2	35.0	190.0	181.0	1.0	437.0	424.0	<20	37.0	22.0	1.8	<5
TG62-176.5	57.48	12.39	12.70	0.178	2.26	6.12	2.86	2.47	1.944	0.23	0.20	98.81	512.0	513.1	180.0	184.5	42.0	43.6	33.0	225.0	224.4	2.0	448.0	461.1	<20	31.6	24.4	1.2	5.5
TG62-183.5	57.56	12.32	14.00	0.177	2.22	6.13	2.86	2.46	1.942	0.28	0.11	100.06	475.0	488.6	176.0	187.6	42.0	43.7	32.0	221.0	229.7	2.0	446.0	472.1	<20	38.0	26.3	2.1	7.2
TG62-188.0	56.77	12.13	12.69	0.145	2.40	5.87	2.81	2.29	1.946	0.25	1.76	99.07	436.0	419.3	180.0	180.7	42.0	41.8	33.0	226.0	221.5	2.0	443.0	443.4	<20	33.8	23.4	1.4	<5
TG62-196.7	57.49	12.32	13.92	0.176	2.20	6.01	2.90	2.48	1.933	0.27	0.34	100.05	508.0	506.2	191.0	196.5	43.0	43.3	33.0	224.0	227.2	2.0	445.0	454.6	<20	37.1	25.7	1.8	6.8
TG62-200.5	57.13	12.21	13.84	0.177	2.44	5.92	2.86	2.42	1.907	0.27	1.01	100.19	472.0	474.4	184.0	190.6	41.0	42.9	32.0	220.0	227.2	2.0	443.0	459.8	<20	37.3	25.6	1.8	7.4
TG62-204.0	57.67	12.40	13.98	0.177	2.19	6.06	2.90	2.50	1.937	0.28	0.15	100.24	495.0	486.2	187.0	190.2	42.0	42.3	32.0	227.0	235.4	2.0	442.0	454.7	<20	36.9	25.8	1.9	6.8
TG62-207.7	57.62	12.38	13.91	0.180	2.31	6.10	2.88	2.39	1.933	0.27	0.36	100.33	489.0	479.9	187.0	186.5	42.0	41.9	33.0	228.0	231.5	2.0	447.0	444.4	<20	36.1	24.7	1.5	<5
TG62-211.4	57.71	12.35	14.05	0.177	2.23	6.15	2.88	2.42	1.929	0.28	0.15	100.31	479.0	469.2	174.0	176.2	42.0	41.0	32.0	228.0	228.6	2.0	445.0	442.4	<20	36.1	24.8	1.7	6.5
TG62-220.0	57.58	12.31	13.90	0.175	2.21	6.11	2.84	2.41	1.933	0.27	0.51	100.26	477.0	486.7	174.0	181.4	42.0	43.3	33.0	231.0	242.1	2.0	447.0	459.6	<20	37.8	26.1	1.6	6.1
TG62-220.4	46.39	14.43	11.38	0.177	9.58	11.37	1.89	0.40	1.403	0.13	3.19	100.33	138.0	139.7	241.0	253.4	20.0	21.6	42.0	106.0	115.4	<1	321.0	344.2	768.7	53.7	20.5	1.7	<5

Geochemical Grade Assay of Rock and Drill Core Samples

SAMPLE	Rb ppm	Nb ppm	Mo ppm	In ppm	Sn ppm	Sb ppm	Cs ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Hf ppm	Ta ppm	W ppm	Tl ppm	Bi* ppm	Bi ppm	Th ppm	U ppm	Ag ppm	Ag ppm	Cd ppm	Cu ppm	Cu ppm
TG97-650.0	34.0	10.2	<2	<0.1	2.0	<0.2	0.6	21.9	46.4	5.7	24.5	5.5	1.8	6.5	1.1	6.3	1.3	3.8	0.5	3.4	0.5	4.4	0.6	<0.5	0.2	<0.1	<2	4.5	0.7	<0.3	---	<0.3	139.8	---
TG97-664.0	35.0	10.3	<2	<0.1	2.0	<0.2	0.8	21.9	45.6	5.7	24.6	5.5	1.8	6.5	1.1	6.4	1.3	3.8	0.6	3.4	0.5	4.5	0.6	<0.5	0.3	<0.1	<2	4.5	0.7	<0.3	---	<0.3	148.6	---
TG228-725	36.0	10.6	<2	<0.1	1.0	<0.2	0.9	22.1	45.7	5.8	25.3	5.5	1.7	6.5	1.0	6.4	1.3	3.8	0.6	3.5	0.5	4.6	0.6	<0.5	0.2	<0.1	<2	4.5	0.7	<0.3	---	<0.3	140.4	---
TG228-740	37.0	10.5	<2	<0.1	2.0	<0.2	0.7	22.0	45.9	5.8	24.8	5.5	1.7	6.3	1.1	6.5	1.3	3.8	0.5	3.4	0.5	4.5	0.7	<0.5	0.2	<0.1	<2	4.5	0.7	<0.3	---	<0.3	143.4	---
TG228-755.0	40.0	12.3	<2	<0.1	2.0	<0.2	1.1	25.7	53.7	6.7	28.9	6.6	2.0	7.5	1.2	7.4	1.5	4.4	0.6	4.0	0.6	5.4	0.8	<0.5	0.2	<0.1	<2	5.2	0.9	<0.3	---	<0.3	181.1	---
TG228-770	33.0	9.3	<2	<0.1	1.0	<0.2	0.6	19.8	41.4	5.2	22.5	5.1	1.7	5.9	1.0	5.8	1.2	3.4	0.5	3.1	0.5	4.2	0.6	<0.5	0.2	<0.1	<2	4.0	0.7	<0.3	---	<0.3	126.3	---
TG228-785	32.0	9.0	<2	<0.1	1.0	<0.2	0.6	19.3	40.2	5.0	22.0	5.0	1.6	5.6	0.9	5.7	1.1	3.3	0.5	3.0	0.5	4.0	0.6	<0.5	0.2	<0.1	<2	4.0	0.6	<0.3	---	<0.3	127.5	---
TG228-800	41.0	10.3	<2	<0.1	2.0	<0.2	0.8	21.7	45.3	5.6	24.2	5.2	1.7	6.3	1.0	6.2	1.2	3.6	0.5	3.3	0.5	4.5	0.6	<0.5	0.3	<0.1	<2	4.4	0.7	<0.3	---	<0.3	136.6	---
TG228-817	37.0	9.7	<2	<0.1	1.0	<0.2	0.7	20.8	43.5	5.4	23.6	5.2	1.7	6.1	1.0	6.1	1.2	3.6	0.5	3.3	0.5	4.3	0.6	<0.5	0.2	<0.1	<2	4.3	0.7	<0.3	---	<0.3	132.5	---
TG228-830	32.0	11.2	<2	<0.1	2.0	1.6	0.8	21.9	45.8	5.7	24.7	5.5	1.7	6.3	1.1	6.3	1.3	3.7	0.5	3.3	0.5	4.6	0.6	<0.5	0.2	<0.1	<2	4.5	0.7	<0.3	---	<0.3	135.4	---
TG95-639.3	72.0	13.0	<2	<0.1	2.0	<0.2	2.6	28.2	58.5	7.1	29.6	6.3	1.7	6.7	1.1	6.2	1.2	3.7	0.5	3.3	0.5	5.4	0.9	<0.5	0.5	<0.1	<2	7.3	1.7	<0.3	---	<0.3	51.8	---
TG95-650.3	69.0	13.0	<2	<0.1	2.0	<0.2	1.5	27.5	57.3	7.0	29.2	6.2	1.7	6.5	1.1	6.1	1.2	3.6	0.5	3.4	0.5	5.3	0.9	0.5	0.4	0.1	<2	7.2	1.6	<0.3	---	<0.3	54.4	---
TG95-664.7	36.0	10.7	<2	<0.1	1.0	<0.2	0.7	22.4	46.3	5.7	24.2	5.2	1.7	6.3	1.0	5.9	1.2	3.6	0.5	3.3	0.5	4.4	0.6	<0.5	0.2	<0.1	<2	4.6	0.8	<0.3	---	<0.3	140.0	---
TG95-682.0	46.0	14.5	<2	<0.1	2.0	<0.2	2.1	30.3	63.4	7.6	32.7	7.3	2.0	8.4	1.3	8.0	1.7	4.7	0.7	4.1	0.6	6.1	0.9	<0.5	0.3	<0.1	<2	6.2	1.0	<0.3	---	<0.3	184.2	---
TG95-695.0	33.0	10.5	<2	<0.1	1.0	<0.2	0.9	22.1	45.4	5.6	24.0	5.3	1.7	6.3	1.0	6.0	1.3	3.6	0.5	3.2	0.5	4.4	0.6	<0.5	0.3	<0.1	<2	4.5	0.7	<0.3	---	<0.3	137.3	---
TG95-709.4	27.0	8.4	<2	<0.1	<1	<0.2	0.5	17.9	37.0	4.5	19.2	4.3	1.4	5.2	0.9	5.1	1.0	3.0	0.4	2.7	0.4	3.5	0.5	<0.5	0.1	<0.1	<2	3.6	0.6	<0.3	---	<0.3	117.6	---
TG95-725.0	29.0	8.5	<2	<0.1	1.0	<0.2	0.5	18.9	38.9	4.7	20.7	4.6	1.5	5.4	0.9	5.2	1.1	3.1	0.5	2.8	0.4	3.7	0.5	<0.5	0.2	<0.1	<2	3.8	0.6	<0.3	---	<0.3	118.4	---
TG95-743.0	30.0	9.0	<2	<0.1	1.0	<0.2	0.5	19.5	40.5	4.9	20.9	4.8	1.5	5.6	0.9	5.5	1.1	3.1	0.5	2.9	0.4	3.9	0.5	<0.5	0.2	<0.1	<2	3.9	0.6	<0.3	---	<0.3	123.4	---
TG95-756.3	32.0	9.3	<2	<0.1	1.0	<0.2	0.6	19.8	41.2	5.0	21.3	4.6	1.5	5.8	0.9	5.6	1.2	3.3	0.5	3.0	0.4	3.9	14.3	<0.5	0.2	<0.1	<2	4.1	0.7	<0.3	---	<0.3	151.1	---
TG95-772.8	35.0	10.7	<2	<0.1	1.0	<0.2	0.7	22.5	47.0	5.6	24.4	5.3	1.6	6.6	1.0	6.0	1.3	3.6	0.5	3.3	0.5	4.5	0.7	<0.5	0.2	<0.1	<2	4.6	0.8	<0.3	---	<0.3	153.1	---
TG27-91.5	11.0	8.8	<2	<0.1	<1	<0.2	1.3	11.9	27.3	3.5	16.1	3.6	1.3	4.4	0.7	3.8	0.8	2.1	0.3	1.7	0.3	2.9	0.7	<0.5	0.1	<0.1	<2	1.8	0.4	<0.3	---	<0.3	111.7	---
TG27-93.2	81.0	15.7	<2	<0.1	3.0	<0.2	4.2	33.6	68.3	8.0	32.6	6.6	1.7	7.2	1.1	6.5	1.3	3.7	0.5	3.3	0.5	5.8	1.2	0.9	0.5	0.1	<2	9.4	3.8	<0.3	---	<0.3	31.3	---
TG27-112.0	171.0	19.7	<2	<0.1	4.0	<0.2	4.9	47.8	96.2	11.0	44.4	8.7	1.9	9.2	1.4	7.7	1.6	4.3	0.6	4.1	0.6	7.4	1.6	0.9	1.3	0.5	<2	14.4	4.1	<0.3	---	<0.3	15.7	---
TG27-119.0	104.0	16.9	<2	<0.1	3.0	<0.2	2.9	36.3	76.0	8.9	35.6	7.4	1.9	7.8	1.2	7.1	1.4	4.1	0.6	3.7	0.6	6.3	1.3	0.9	0.7	0.2	<2	10.7	2.6	<0.3	---	<0.3	40.4	---
TG27-138.5	102.0	17.9	<2	<0.1	3.0	<0.2	2.1	38.5	77.9	9.2	38.1	8.0	2.0	8.4	1.3	7.5	1.5	4.3	0.6	3.9	0.6	6.6	1.3	1.1	0.8	0.2	<2	10.7	2.7	<0.3	---	<0.3	49.8	---
TG07-235.0	152.0	20.1	<2	<0.1	4.0	<0.2	5.5	47.9	97.9	11.1	44.3	8.8	1.9	9.2	1.4	7.9	1.5	4.4	0.7	4.1	0.6	7.6	1.7	1.1	1.0	0.5	<2	14.8	4.3	<0.3	---	<0.3	17.6	---
TG07-250.0	148.0	19.9	<2	<0.1	4.0	<0.2	5.7	48.1	98.2	11.2	44.9	8.8	1.8	9.1	1.4	7.9	1.5	4.4	0.7	4.1	0.6	7.8	1.7	1.0	1.1	0.4	<2	14.9	4.3	<0.3	---	<0.3	21.3	---
TG07-270.0	144.0	20.1	<2	<0.1	4.0	0.6	4.5	48.1	98.7	11.2	44.7	8.7	2.0	9.2	1.4	8.0	1.6	4.5	0.7	4.1	0.6	7.8	1.7	1.1	0.9	0.5	<2	14.7	4.2	<0.3	---	<0.3	18.5	---
AT03-486.3	69.0	13.9	4.0	<0.1	1.0	0.5	1.2	26.1	54.7	6.4	26.0	5.4	1.4	5.9	0.9	5.2	1.0	3.0	0.4	2.7	0.4	4.4	1.0	1.0	1.6	0.2	<2	8.2	3.4	<0.3	---	<0.3	125.2	---
AT03-487.0	83.0	15.1	<2	<0.1	<1	<0.2	1.3	26.8	53.8	6.4	26.6	5.5	1.6	6.6	1.0	5.9	1.2	3.5	0.5	3.1	0.5	4.7	1.0	<0.5	0.7	0.1	<2	5.9	1.3	<0.3	---	<0.3	127.8	---
AT03-498.5	62.0	14.2	<2	<0.1	2.0	<0.2	2.6	26.1	54.4	6.7	28.1	6.3	1.9	7.2	1.2	6.8	1.3	3.9	0.6	3.5	0.5	5.0	1.0	0.6	0.4	0.1	<2	6.3	1.7	<0.3	---	<0.3	194.2	---
AT03-509.4	69.0	15.0	<2	<0.1	3.0	<0.2	2.8	29.0	60.3	7.2	30.8	6.8	2.0	7.8	1.2	7.3	1.4	4.3	0.6	3.9	0.6	5.4	1.2	0.6	0.5	0.2	<2	7.0	2.0	<0.3	---	<0.3	181.2	---
AT03-519.2	61.0	13.2	<2	<0.1	2.0	<0.2	2.4	25.5	53.4	6.4	27.5	6.1	1.8	7.2	1.1	6.8	1.3	3.8	0.6	3.6	0.5	5.0	1.0	0.6	0.4	0.1	<2	6.2	1.7	<0.3	---	<0.3	177.2	---
AT03-528.9	62.0	14.2	<2	<0.1	2.0	<0.2	2.6	27.0	56.1	6.7	28.5	6.2	2.0	7.7	1.2	7.0	1.4	4.1	0.6	3.6	0.5	5.1	1.1	0.6	0.5	0.2	<2	6.4	1.7	<0.3	---	<0.3	171.8	---
AT03-537.3	67.0	14.4	<2	<0.1	3.0	<0.2	2.9	25.5	52.5	6.7	29.3	6.5	1.9	7.2	1.2	7.1	1.4	4.1	0.6	3.6	0.6	5.1	1.0	0.7	0.5	<0.1	<2	6.5	1.8	<0.3	---	<0.3	198.2	---
AT03-547.4	72.0	14.7	<2	<0.1	3.0	<0.2	4.2	26.2	53.7	6.7	29.5	6.3	1.9	7.3	1.2	7.1	1.4	4.1	0.6	3.7	0.6	5.1	1.1	0.9	0.5	0.1	<2	6.8	1.9	<0.3	---	<0.3	182.4	---
AT03-590.1	52.0	11.3	<2	<0.1	3.0	<0.2	3.6	20.8	43.4	5.6	25.0	6.0	1.9	6.8	1.2	7.3	1.5	4.4	0.7	4.1	0.6	4.9	0.8	0.9	0.4	<0.1	<2	5.3	1.3	<0.3	---	<0.3	219.6	---
AT03-600.0	57.0	11.3	<2	<0.1	3.0	<0.2	2.3	19.8	41.7	5.3	24.3	5.7	1.8	6.8	1.2	7.2	1.4	4.3	0.7	3.9	0.6	4.7	0.7	0.5	0.4	<0.1	<2	5.1	1.3	<0.3	---	<0.3	219.6	---
AT03-607.9	53.0	11.3	<2	<0.1	3.0	<0.2	2.4	21.2	44.3	5.7	26.1	5.9	1.9	7.2	1.2	7.7	1.6	4.5	0.7	4.1	0.6	4.9	0.8	0.8	0.6	<0.1	<2	5.5	1.4	<0.3	---	<0.3	212.1	---
AT03-616.9	51.0	10.9	<2	<0.1	3.0	<0.2	3.3	20.0	42.0	5.5	24.4	5.8	1.9	6.8	1.2	7.3	1.5	4.4	0.7	4.2	0.6	4.8	0.8	<0.5	0.3	<0.1	<2	5.2	1.3	<0.3	---	<0.3	218.1	---
AT08-792.4	102.0	17.2	<2	<0.1	4.0	<0.2	5.2	31.2	63.6	7.9	33.8	7.3	1.9	7.8	1.3	7.5	1.5	4.3	0.6	3.9	0.6	6.0	1.3	1.0	0.6	0.2	<2	9.0	2.8	<0.3	---	<0.3	156.2	---
AT08-802.85	87.0	18.4	<2	0.1	4.0	<0.2	4.9	33.9	69.9	8.8	38.2	8.5	2.3	9.1	1.5	9.1	1.8	5.2	0.8	4.7	0.7	7.0	1.5	0.9	0.6	0.2	<2	8.8	2.5	<0.3	---	<0.3	249.5	---
AT08-815.1	63.0	14.1	<2	<0.1	3.0	<0.2	2.9	25.4	52.7	6.6	29.4	6.4	2.0	7.1	1.2	7.2	1.4	4.2	0.6	3.7	0.6	5.3	1.1	0.6	0.4	<0.1	<2	6.5	1.8	<0.3	---	<0.3	179.6	---
AT08-825.0	62.0	13.3	<2	<0.1	3.0	<0.2	2.8	23.3	48.2	6.2	27.0	5.9	1.8	6.7	1.1	6.6	1.3	3.8	0.6	3.5	0.5	4.7	0.9	0.5	0.4	<0.1	<2	6.2	1.7	<0.3	---	<0.3	191.3	---
AT08-834.4	65.0	13.8	<2	<0.1	3.0	<0.2	3.2	24.7	50.6	6.4	28.1	6.4	1.9	6.9	1.2	6.8	1.4	4.1	0.6	3.6	0.6	5.0	1.0	0.6	0.5	<0.1	<2	6.5	1.8	<0.3	---	<0.3	182.5	---
AT08-845.1	64.0	14.1	<2	<0.1	3.0	0.6	3.5	25.6	52.2	6.7	29.4	6.5	1.9	6.9	1.2	7.1	1.4	4.2	0.6	3.6	0.5	5.2	1.1	0.7	1.6	0.2	<2	6.7	1.9	<0.3	---	<0.3	185.0	---
AT08-853.05	68.0	14.7	2.0	<0.1	3.0	<0.2	6.3	26.1	54.0	6.9	29.8	6.6	2.0	7.3	1.3	7.3	1.5	4.2	0.6	3.8	0.6	5.2	1.1	0.8	0.5	0.1	<2	6.8	1.9	<0.3	---	<0.3	187.2	---
AT08-925.3	109.0	18.2	<2	<0.1	4.0	<0.2	5.9	33.5	69.4	8.5	36.0	7.5	2.1	7.9	1.3	7.8	1.5	4.4	0.7	4.0	0.6	6.4	1.5	1.1	0.6	0.3	<2	10.2	3.2	<0.3	---	<0.3	139.6	---
AT08-936.5	95.0	18.4	<2	<0.1	4.0	<0.2	7.5	32.2	65.2	8.1	35.5	7.6	2.1	8.2	1.4	8.2	1.6	4.7	0.7	4.2	0.7	6.4	1.3	0.7	0.6	0.3	<2	8.8	2.5	<0.3	---	<0.3	157.8	---
AT08-947.75	73.0	14.7	<2	<0.1	3.0	<0.2	4.7	25.5	52.6	6.6	29.0	6.2	1.9	7.0	1.2	6.9	1.4	4.0	0.6	3.5	0.5	5.3	1.1	0.7	0.6	<0.1	<2	6.9	1.9	<0.3	---	<0.3	189.9	---
TG62-176.5	114.4	18.3	<2	<0.1	2.5	0.2	4.7	38.0	78.6	9.1	37.2	8.2	2.1	7.9	1.4	8.2	1.6	4.7	0.7	4.0	0.6	6.7	1.4	0.9	0.6	0.2	<2	9.6	2.6	<0.3	---	<0.3	139.9	---
TG62-183.5	118.0	18.9	<2	<0.1	3.3	0.2	5.0	38.7	79.3	9.2	38.2	8.3	2.1	8.0	1.4	8.3	1.7	4.8	0.7	4.1	0.6	6.8	1.4	0.9	0.8	0.4	<2	10.0	2.7	<0.3	---	<0.3	139.5	---
TG62-188.0	103.8	17.6	<2	<0.1	2.5	<0.2	4.3	37.5	78.0	9.0	35.7	7.9	2.1	7.7	1.3	8.1	1.6	4.7	0.7	3.9	0.6	6.6	1.4	1.1	0.4	0.2	<2	9.5	2.7	<0.3	---	<0.3	135.9	---
TG62-196.7	116.3	18.4	<2	<0.1	3.2	<0.2	5.1	38.0	79.1	9.2	36.8	8.2	2.1	7.9	1.4	8.4	1.7	4.8	0.7	4.2	0.6	6.6	1.5	0.9	0.7	0.3	<2	9.7	2.7	<0.3	---	<0.3	135.9	---
TG62-200.5	115.5	18.4	<2	<0.1	3.3	0.2	5.0	36.8	77.1	9.1	35.9	8.0	2.0	8.0	1.3	8.0	1.6	4.7	0.6	3.9	0.6	6.5	1.4	0.9	0.7	0.3	<2	9.6	2.6	<0.3	---	<0.3	145.7	---
TG62-204.0	114.8	18.4	<2	<0.1	3.2	<0.2	5.0	37.3	76.6	9.0	36.8	7.9	2.0	7.8	1.4	8.0	1.6	4.7	0.6	3.8	0.6	6.6	1.4	0.9	0.7	0.3	<2	9.7	2.6	<0.3	---	<0.3	143.9	---
TG62-207.7	110.5	17.7	<2	<0.1	2.8	<0.2	4.7	37.2	76.9	8.9	36.0	7.9	2.0	7.8	1.3	8.0	1.6	4.5	0.6	3.8	0.6	6.4	1.4	0.8	0.6	0.2	<2	9.3	2.6	<0.3	---	<0.3	133.1	---
TG62-211.4	113.5	17.8	<2	<0.1	3.0	0.2	4.8	36.7	75.7	8.8	35.8	7.8	1.9	7.6	1.3	7.7	1.6	4.5	0.6	3.8	0.6	6.4	1.3	0.9	0.7	0.3	<2	9.4	2.5	<0.3	---	<0.3	139.0	---
TG62-220.0	116.8	18.6	<2	<0.1	3.1	<0.2	5.0	38.6	79.9	9.3	37.8	8.1	2.1	8.2	1.4	8.1	1.6	4.8	0.7	4.0	0.6	6.6	1.4	0.9	0.7	0.3	<2	9.6	2.6	<0.3	---	<0.3	133.7	---
TG62-220.4	12.1	8.2	<2	<0.1	<1	<0.2	3.9	11.4	27.0	3.5	16.0	4.1	1.5	4.3	0.7	4.4	0.9	2.4	0.3	2.0	0.3	3.1	0.6	<0.5	0.6	<0.1	<2	1.1	0.3	<0.3	---	<0.3	123.4	---

Geochemical Grade Assay of Rock and Drill Core Samples

SAMPLE	Ni ppm	Ni ppm	Pb ppm	Pb ppm	Zn ppm	Zn ppm	S %	Pd ppb	Pt ppb	Au ppb
TG97-650.0	26.5	---	17.3	---	89.1	---	0.015	8.9	4.7	2.3
TG97-664.0	30.7	---	17.7	---	93.5	---	0.017	9.0	4.7	2.3
TG228-725	63.8	---	11.6	---	89.0	---	0.010	8.8	4.6	2.3
TG228-740	30.5	---	20.3	---	90.6	---	0.017	9.3	4.7	2.3
TG228-755.0	21.6	---	20.7	---	109.1	---	0.018	11.8	1.8	3.1
TG228-770	25.8	---	26.7	---	78.6	---	0.012	8.3	5.3	2.0
TG228-785	32.1	---	20.9	---	79.6	---	0.009	7.7	5.8	1.7
TG228-800	33.2	---	5.6	---	89.0	---	0.009	9.0	4.9	2.3
TG228-817	25.9	---	22.3	---	86.6	---	0.014	8.2	4.5	2.0
TG228-830	28.8	---	<3	---	84.5	---	0.018	8.5	4.5	2.1
TG95-639.3	14.1	---	17.3	---	95.7	---	0.131	<0.1	<0.1	<1
TG95-650.3	14.7	---	11.8	---	95.6	---	0.039	0.1	<0.1	<1
TG95-664.7	25.9	---	15.4	---	90.3	---	0.018	8.7	4.6	2.3
TG95-682.0	17.7	---	18.9	---	93.1	---	0.032	10.3	1.0	2.8
TG95-695.0	24.2	---	14.7	---	93.5	---	0.022	9.3	3.5	2.4
TG95-709.4	34.5	---	11.8	---	79.9	---	0.037	7.3	5.7	1.8
TG95-725.0	31.8	---	23.0	---	79.2	---	0.041	7.7	6.4	2.0
TG95-743.0	28.7	---	6.7	---	80.1	---	0.012	8.4	6.3	2.1
TG95-756.3	28.9	---	18.7	---	88.0	---	0.021	8.2	5.5	2.1
TG95-772.8	27.2	---	21.7	---	89.0	---	0.013	8.9	4.8	2.2
TG27-91.5	351.4	---	6.8	---	61.3	---	0.015	2.8	2.2	1.7
TG27-93.2	4.7	---	23.3	---	106.3	---	0.019	<0.1	<0.1	<1
TG27-112.0	2.6	---	29.8	---	87.4	---	0.003	<0.1	<0.1	<1
TG27-119.0	6.5	---	35.9	---	108.2	---	0.039	<0.2	<0.2	<2
TG27-138.5	6.1	---	19.4	---	111.1	---	0.017	<0.2	<0.2	<2
TG07-235.0	3.8	---	24.9	---	85.6	---	0.021	<0.1	<0.1	<1
TG07-250.0	<1	---	41.2	---	87.8	---	0.029	<0.1	<0.1	<1
TG07-270.0	9.0	---	25.1	---	90.3	---	0.013	<0.1	<0.1	<1
AT03-486.3	31.5	---	25.7	---	83.9	---	2.505	3.8	5.0	4.0
AT03-487.0	29.4	---	37.1	---	95.7	---	2.070	5.3	8.1	2.5
AT03-498.5	21.0	---	21.5	---	106.7	---	0.151	10.8	14.8	3.8
AT03-509.4	83.1	---	26.0	---	122.9	---	0.031	8.5	12.6	3.4
AT03-519.2	24.8	---	31.5	---	105.3	---	0.027	11.2	21.7	6.2
AT03-528.9	20.0	---	18.4	---	107.7	---	0.025	11.8	20.2	4.7
AT03-537.3	21.1	---	38.0	---	105.2	---	0.072	13.7	19.9	4.9
AT03-547.4	16.9	---	31.1	---	105.0	---	0.835	14.3	19.9	5.0
AT03-590.1	31.9	---	25.0	---	113.0	---	0.073	10.6	13.5	3.8
AT03-600.0	30.9	---	20.0	---	115.5	---	0.023	10.5	13.0	3.5
AT03-607.9	31.6	---	21.8	---	113.0	---	0.543	10.4	13.1	3.3
AT03-616.9	32.6	---	22.8	---	111.2	---	0.029	10.7	13.4	3.1
AT08-792.4	10.9	---	27.9	---	102.4	---	0.026	9.2	11.0	2.9
AT08-802.85	5.2	---	32.5	---	121.7	---	0.043	13.1	5.9	5.4
AT08-815.1	17.2	---	27.8	---	107.0	---	0.018	9.2	14.1	3.3
AT08-825.0	22.0	---	16.9	---	108.0	---	0.024	13.3	19.4	4.4
AT08-834.4	21.3	---	41.4	---	102.3	---	0.024	13.8	22.2	5.0
AT08-845.1	20.8	---	14.7	---	102.5	---	0.047	14.6	21.1	5.2
AT08-853.05	19.2	---	19.7	---	106.1	---	0.147	14.7	21.2	5.4
AT08-925.3	9.7	---	15.0	---	103.0	---	0.032	0.6	2.8	<2
AT08-936.5	7.5	---	24.4	---	110.5	---	0.054	0.7	4.9	2.1
AT08-947.75	16.0	---	31.0	---	104.7	---	0.043	12.9	18.9	4.9
TG62-176.5	16.4	---	25.6	---	117.6	---	0.043	1.1	0.6	1.2
TG62-183.5	14.4	---	33.7	---	118.7	---	0.041	0.4	0.5	1.0
TG62-188.0	11.8	---	31.9	---	119.8	---	0.034	0.4	0.5	1.1
TG62-196.7	11.1	---	27.4	---	115.1	---	0.078	0.3	0.5	1.1
TG62-200.5	12.9	---	26.5	---	119.5	---	0.146	0.3	0.5	1.1
TG62-204.0	10.9	---	35.2	---	116.4	---	0.062	0.5	0.6	1.2
TG62-207.7	11.3	---	24.2	---	111.1	---	0.117	0.4	0.6	4.9
TG62-211.4	14.8	---	34.7	---	110.3	---	0.046	0.5	0.6	1.2
TG62-220.0	11.0	---	31.9	---	110.7	---	0.042	0.3	0.6	1.5
TG62-220.4	172.2	---	18.5	---	60.0	---	0.080	2.6	1.7	2.4

Geochemical Grade Assay of Rock and Drill Core Samples

SAMPLE	SiO2 %	Al2O3 %	Fe2O3 %	MnO %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	LOI %	TOTAL %	Ba* ppm	Ba ppm	Sr* ppm	Sr ppm	Y* ppm	Y ppm	Sc ppm	Zr* ppm	Zr ppm	Be ppm	V ppm	V ppm	Cr ppm	Co ppm	Ga ppm	Ge ppm	As ppm
TG62-215.4	57.41	12.42	14.05	0.174	2.15	6.02	2.83	2.53	1.976	0.28	0.43	100.28	482.0	463.9	184.0	173.0	43.0	43.0	34.0	220.0	226.6	1.0	437.0	420.4	23.3	28.1	21.6	0.9	<5
TG62-223.4	46.67	15.03	11.02	0.172	8.03	12.41	2.07	0.32	1.465	0.13	2.75	100.06	159.0	167.6	278.0	297.0	21.0	22.5	43.0	107.0	113.6	<1	333.0	360.4	356.5	49.2	21.7	1.6	<5
TG62-225.0	49.04	14.61	11.79	0.167	7.24	11.04	2.24	0.70	1.551	0.16	2.47	100.98	204.0	213.2	254.0	264.2	25.0	25.3	42.0	134.0	143.7	<1	356.0	370.0	498.5	49.6	22.4	1.6	<5
TG62-226.3	42.01	8.53	12.75	0.180	25.19	6.58	1.00	0.22	0.783	0.07	3.22	100.54	97.0	99.1	175.0	184.7	11.0	12.3	26.0	63.0	66.0	<1	205.0	222.5	3370.0	110.5	12.7	1.5	<5
TG62-226.8	41.35	7.73	13.00	0.183	26.24	6.00	0.92	0.26	0.770	0.07	2.48	99.00	84.0	85.3	150.0	159.4	11.0	12.0	26.0	65.0	65.5	<1	205.0	217.3	3540.0	116.7	12.2	1.4	<5
TG62-227.8	41.80	7.88	13.04	0.182	27.33	5.95	0.89	0.21	0.697	0.06	2.03	100.07	80.0	80.9	140.0	134.5	10.0	10.4	24.0	55.0	51.7	<1	192.0	178.2	3470.0	106.6	10.0	1.3	<5
TG62-234.8	43.10	9.01	12.98	0.185	24.92	7.15	1.08	0.20	0.802	0.07	1.41	100.91	85.0	86.3	162.0	160.1	12.0	12.1	28.0	62.0	58.7	<1	216.0	204.8	3110.0	99.0	11.4	1.6	<5
TG62-237.6	43.74	10.33	12.63	0.179	21.30	8.17	1.27	0.26	0.945	0.09	1.02	99.94	95.0	96.7	189.0	176.1	14.0	13.8	32.0	72.0	67.1	<1	228.0	220.0	2480.0	66.7	11.4	0.7	<5
TG62-238.5	43.87	11.08	11.96	0.175	18.24	8.82	1.44	0.32	1.027	0.10	1.77	98.79	100.0	102.3	195.0	189.7	15.0	14.9	33.0	76.0	75.7	<1	251.0	250.4	2110.0	78.8	14.1	1.6	<5
TG-62 240.20	44.06	11.90	11.61	0.171	15.01	9.72	1.54	0.36	1.131	0.10	4.48	100.09	97.0	96.9	230.0	235.0	17.0	18.0	35.0	84.0	88.7	<1	267.0	278.2	1530.0	72.1	15.7	1.5	<5
TG114-272.0	54.05	14.33	10.61	0.182	5.58	9.02	2.47	1.38	1.238	0.21	1.24	100.32	432.0	414.5	255.0	231.2	25.0	24.9	35.0	154.0	147.4	1.0	280.0	270.0	115.5	35.9	17.9	1.6	<5
TG114-275.0	54.55	14.48	10.84	0.154	5.69	8.52	2.64	1.46	1.241	0.21	0.70	100.48	361.0	354.6	258.0	240.5	26.0	25.8	35.0	154.0	151.4	1.0	283.0	278.6	119.0	36.4	18.4	1.6	<5
TG114-278.9	46.36	14.86	11.07	0.150	8.77	10.93	1.92	0.50	1.414	0.12	4.36	100.47	162.0	166.5	281.0	277.7	20.0	20.6	42.0	105.0	109.8	<1	325.0	320.8	659.3	48.8	18.4	1.5	<5
TG114-283.8	44.17	10.35	12.44	0.180	21.18	7.52	1.33	0.35	0.953	0.09	1.58	100.14	98.0	98.9	171.0	161.9	14.0	14.1	31.0	76.0	71.1	<1	234.0	214.4	2140.0	89.1	12.6	1.5	<5
TG114-286.4	42.63	8.48	12.64	0.183	25.80	6.16	1.01	0.27	0.770	0.07	2.41	100.43	91.0	96.1	146.0	146.7	11.0	11.5	26.0	64.0	60.5	<1	195.0	189.9	2670.0	101.6	11.2	1.4	<5
TG114-289.9	44.44	10.65	12.28	0.178	20.49	8.26	1.46	0.38	0.945	0.09	1.08	100.24	112.0	116.7	188.0	182.9	14.0	14.3	31.0	72.0	70.4	<1	228.0	218.3	2020.0	85.1	13.2	1.7	<5
TG114-293.7	45.94	13.16	11.80	0.177	14.08	9.95	1.69	0.40	1.226	0.12	1.66	100.21	123.0	126.1	235.0	220.1	18.0	18.4	37.0	94.0	87.5	<1	277.0	254.8	1240.0	20.7	8.0	<0.5	<5
TG114-295.0	43.62	12.25	11.76	0.159	12.11	10.50	1.41	0.30	1.168	0.10	6.80	100.17	92.0	93.9	206.0	200.6	17.0	17.7	37.0	93.0	87.9	<1	276.0	256.1	1350.0	64.8	15.3	2.1	6.4

Geochemical Grade Assay of Rock and Drill Core Samples

SAMPLE	Rb ppm	Nb ppm	Mo ppm	In ppm	Sn ppm	Sb ppm	Cs ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm	Hf ppm	Ta ppm	W ppm	Tl ppm	Bi* ppm	Bi ppm	Th ppm	U ppm	Ag ppm	Ag ppm	Cd ppm	Cu ppm	Cu ppm
TG62-215.4	105.3	16.7	<2	<0.1	2.0	<0.2	4.2	37.0	77.5	9.0	36.4	7.9	2.1	7.8	1.4	7.9	1.6	4.6	0.7	3.9	0.6	6.4	1.4	0.7	0.4	<0.1	<2	9.2	2.5	<0.3	---	<0.3	134.7	---
TG62-223.4	11.1	8.5	<2	<0.1	<1	<0.2	2.5	11.4	27.3	3.6	16.5	4.2	1.5	4.3	0.7	4.3	0.8	2.4	0.3	1.9	0.3	3.1	0.6	<0.5	0.3	<0.1	<2	1.1	0.6	<0.3	---	<0.3	126.8	---
TG62-225.0	27.4	10.2	<2	<0.1	<1	<0.2	2.9	15.7	35.5	4.5	19.8	4.8	1.6	4.9	0.8	4.9	1.0	2.7	0.4	2.3	0.3	3.6	0.7	<0.5	0.4	<0.1	<2	2.5	0.6	<0.3	---	<0.3	133.5	---
TG62-226.3	12.4	4.7	<2	<0.1	<1	<0.2	3.7	6.6	15.6	2.0	9.0	2.3	0.8	2.3	0.4	2.4	0.5	1.3	0.2	1.1	0.2	1.7	0.3	<0.5	0.1	<0.1	<2	0.7	0.1	<0.3	---	<0.3	67.6	---
TG62-226.8	11.9	4.5	<2	<0.1	<1	<0.2	3.3	6.5	15.2	2.0	8.7	2.2	0.8	2.3	0.4	2.3	0.5	1.3	0.2	1.1	0.2	1.7	0.3	<0.5	0.3	<0.1	<2	0.6	0.2	<0.3	---	<0.3	66.1	---
TG62-227.8	10.6	3.8	<2	<0.1	<1	<0.2	3.2	5.0	11.9	1.5	7.0	1.8	0.6	1.9	0.3	1.9	0.4	1.1	0.2	1.0	0.2	1.4	0.3	<0.5	0.1	<0.1	<2	0.6	0.1	<0.3	---	0.6	57.5	---
TG62-234.8	11.8	4.4	<2	<0.1	<1	<0.2	3.5	5.6	13.5	1.7	7.9	2.0	0.7	2.3	0.4	2.4	0.5	1.3	0.2	1.2	0.2	1.6	0.3	<0.5	0.3	0.1	<2	0.6	0.1	<0.3	---	<0.3	69.3	---
TG62-237.6	12.1	4.9	<2	<0.1	<1	<0.2	3.0	6.4	15.4	2.0	9.2	2.3	0.8	2.6	0.5	2.7	0.5	1.5	0.2	1.3	0.2	1.9	0.4	<0.5	0.2	<0.1	<2	0.7	0.2	<0.3	---	<0.3	80.9	---
TG62-238.5	13.9	5.7	<2	<0.1	<1	<0.2	4.4	7.2	17.4	2.2	10.5	2.6	0.9	2.9	0.5	3.0	0.6	1.7	0.2	1.5	0.2	2.1	0.4	<0.5	0.8	<0.1	<2	0.7	0.2	<0.3	---	<0.3	90.6	---
TG-62 240.20	15.2	6.6	<2	<0.1	<1	<0.2	3.3	8.2	18.9	2.6	12.0	3.0	1.0	3.6	0.6	3.4	0.7	2.0	0.3	1.5	0.2	2.4	0.5	<0.5	3.0	<0.1	<2	0.9	0.2	<0.3	---	0.7	115.8	---
TG114-272.0	48.5	10.7	<2	<0.1	1.6	0.2	2.0	19.7	43.3	5.0	20.2	4.4	1.3	4.4	0.7	4.5	0.8	2.6	0.4	2.3	0.4	3.8	0.7	<0.5	0.4	<0.1	<2	4.0	1.0	<0.3	---	<0.3	78.4	---
TG114-275.0	51.8	10.8	<2	<0.1	1.2	<0.2	1.8	22.3	48.6	5.3	22.3	4.9	1.4	4.9	0.8	5.0	0.9	2.9	0.4	2.6	0.4	4.1	0.8	<0.5	0.3	0.2	<2	4.5	1.1	<0.3	---	<0.3	81.2	---
TG114-278.9	11.3	8.1	<2	<0.1	<1	<0.2	0.4	10.0	24.7	3.1	14.2	3.7	1.4	4.1	0.7	4.1	0.8	2.3	0.3	2.0	0.3	3.0	0.6	<0.5	0.4	<0.1	<2	1.0	0.2	<0.3	---	<0.3	120.8	---
TG114-283.8	8.7	5.3	<2	<0.1	<1	<0.2	1.3	6.8	16.8	2.1	9.3	2.4	0.9	2.8	0.4	2.7	0.5	1.5	0.2	1.3	0.2	1.9	0.4	<0.5	0.1	<0.1	<2	0.8	0.2	<0.3	---	<0.3	83.8	---
TG114-286.4	8.1	4.5	<2	<0.1	<1	<0.2	1.3	5.7	13.8	1.7	8.0	2.0	0.7	2.3	0.4	2.4	0.4	1.3	0.2	1.2	0.2	1.6	0.3	<0.5	0.1	<0.1	<2	0.6	0.1	<0.3	---	0.7	66.7	---
TG114-289.9	9.8	5.3	<2	<0.1	<1	<0.2	1.9	6.9	16.6	2.0	9.7	2.5	0.9	2.7	0.5	2.8	0.5	1.5	0.2	1.4	0.2	2.0	0.4	<0.5	0.2	0.1	<2	0.7	0.2	<0.3	---	<0.3	84.3	---
TG114-293.7	11.8	5.0	<2	<0.1	<1	<0.2	1.2	8.8	21.3	2.7	12.5	3.2	1.2	3.5	0.6	3.6	0.7	2.0	0.3	1.7	0.3	2.5	0.5	<0.6	0.1	<0.1	<2	0.9	0.2	<0.3	---	0.8	113.9	---
TG114-295.0	9.1	6.5	<2	<0.1	1.2	0.7	1.4	8.1	19.8	2.5	11.4	3.0	1.0	3.4	0.5	3.4	0.7	1.9	0.3	1.6	0.3	2.3	0.5	<0.5	0.8	0.1	<2	0.9	0.2	<0.3	---	0.6	103.5	---

Geochemical Grade Assay of Rock and Drill Core Samples

SAMPLE	Ni ppm	Ni ppm	Pb ppm	Pb ppm	Zn ppm	Zn ppm	S %	Pd ppb	Pt ppb	Au ppb
TG62-215.4	20.7	---	28.6	---	110.1	---	0.038	0.3	0.5	1.1
TG62-223.4	108.3	---	17.9	---	57.1	---	0.054	3.0	2.0	3.0
TG62-225.0	111.2	---	12.1	---	71.3	---	0.060	2.7	1.5	3.1
TG62-226.3	893.9	---	13.9	---	66.7	---	0.014	2.3	1.8	3.2
TG62-226.8	949.1	---	14.1	---	65.9	---	0.016	1.7	1.7	1.3
TG62-227.8	936.4	---	20.6	---	63.8	---	0.018	2.0	1.8	2.0
TG62-234.8	830.2	---	4.3	---	62.4	---	0.017	1.9	1.6	1.6
TG62-237.6	697.7	---	9.9	---	61.7	---	0.023	2.2	1.6	1.6
TG62-238.5	592.9	---	18.1	---	61.7	---	0.026	2.2	1.6	1.7
TG-62 240.20	464.8	---	<3	---	70.8	---	0.048	1.9	1.5	2.0
TG114-272.0	67.8	---	27.0	---	71.9	---	0.142	<0.1	<0.1	1.1
TG114-275.0	72.2	---	19.1	---	75.9	---	0.035	<0.1	<0.1	3.7
TG114-278.9	156.3	---	10.6	---	57.9	---	0.029	2.5	1.6	3.1
TG114-283.8	756.7	---	14.8	---	70.4	---	0.019	1.9	1.5	1.5
TG114-286.4	956.6	---	9.8	---	66.7	---	0.013	1.8	1.5	1.4
TG114-289.9	704.9	---	14.0	---	63.8	---	0.021	2.1	1.3	1.8
TG114-293.7	442.4	---	19.5	---	63.0	---	0.025	2.1	1.4	2.1
TG114-295.0	412.6	---	17.0	---	96.3	---	0.035	2.5	1.6	<2

*: using for classification of the lava samples and making daiagram

APPENDIX 5

Measuring points of EPMA

AS004 Point 9 (Lava: Ribeira)
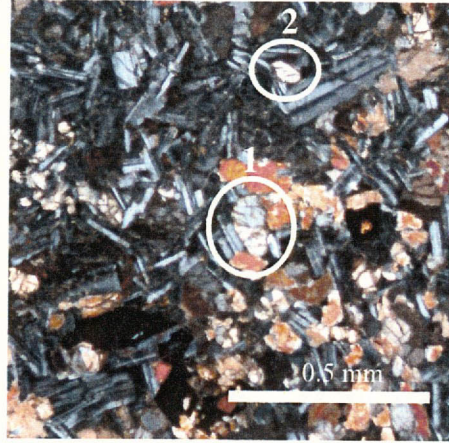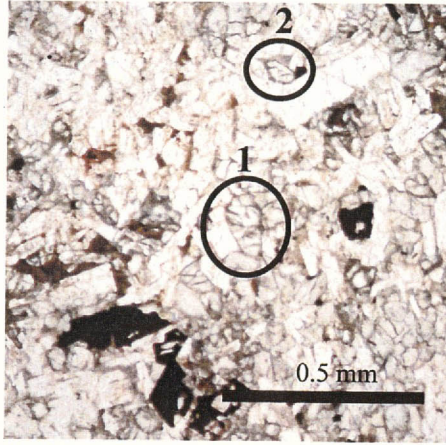
AS004A Point 10 (Lava: Ribeira)
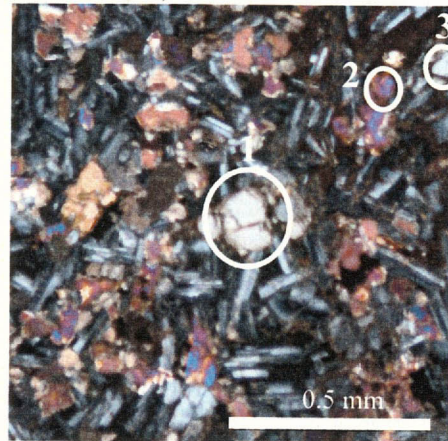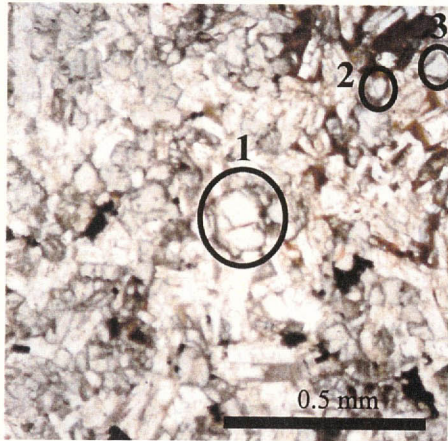
AS021 Point 7 (Lava: Gramado)
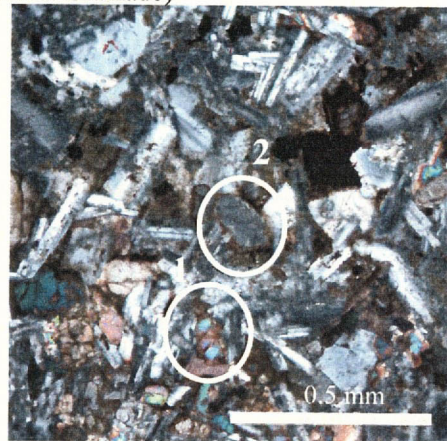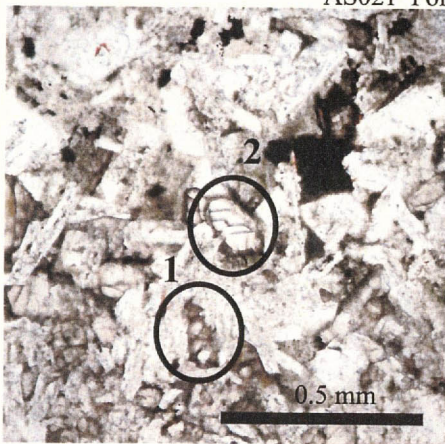
AS021 Point 8 (Lava: Gramado)
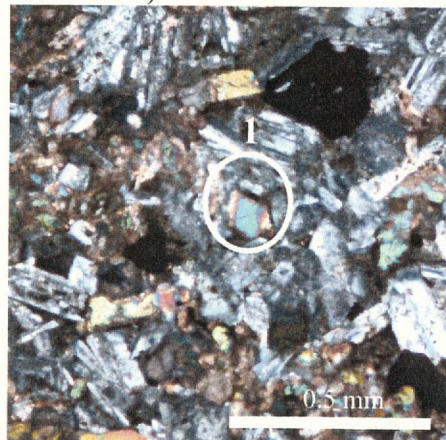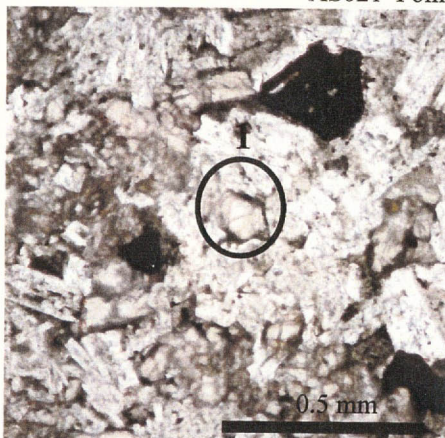
Measuring points of EPMA

KN003 Point 5 (Feeder Dyke)
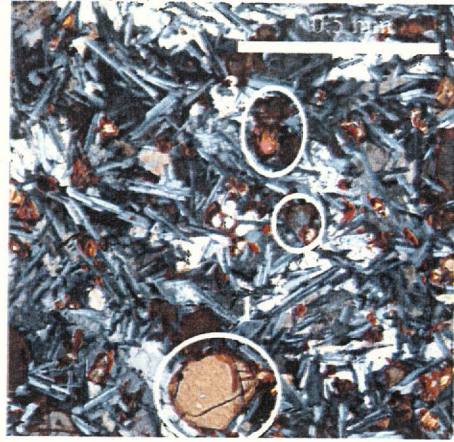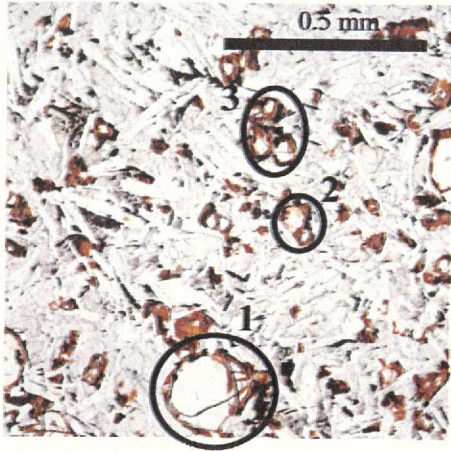
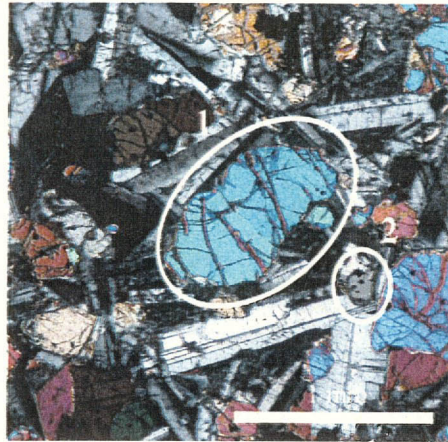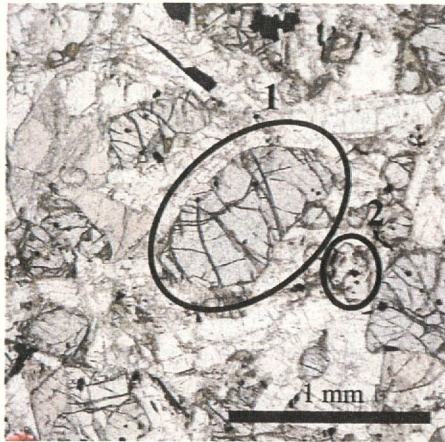## KN003 Point 6 (Feeder Dyke)
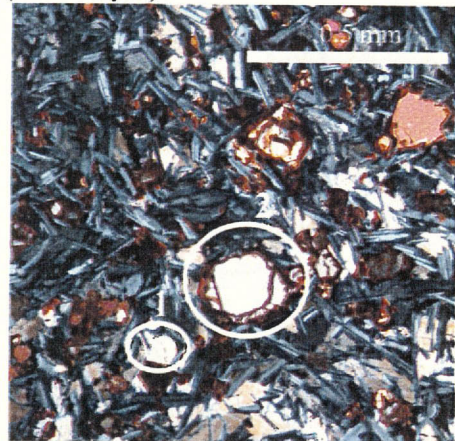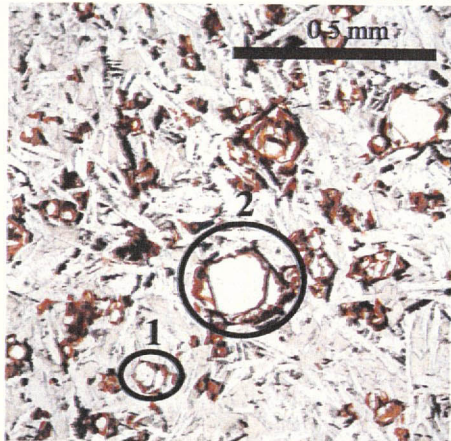
TG62-226.3 Point 1 (Intrusion: Drill Core)
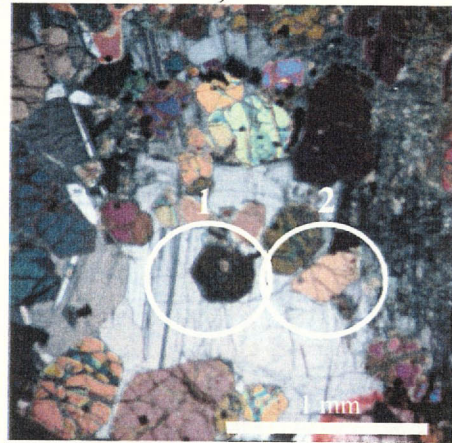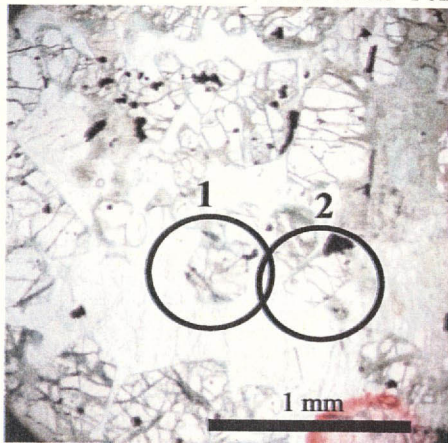
TG62-226.3 Point 2 (Intrusion: Drill Core)
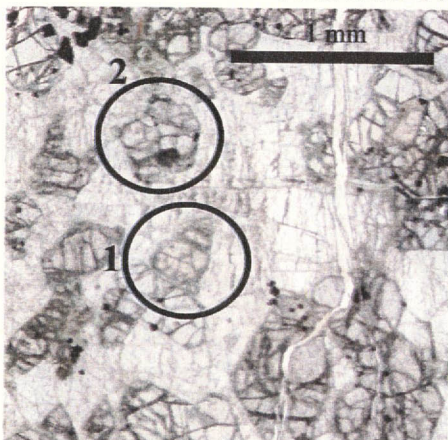
Measuring points of EPMA

TG114-289.9 Point 3 (Intrusion: Drill Core)

TG114-289.9 Point 4 (Intrusion: Drill Core)

Analysis Results of EPMA for Olivine in Basaltic Lava and Intrusion

Sample No.	wt%					
	Ni	Mn	Mg	Fe	O	Total
AS004A Point9-1-core	0.015	0.389	12.131	18.169	29.334	60.038
AS004A Point9-2-core	0.064	0.431	10.451	19.875	30.979	61.800
AS004A Point10-1-core	0.043	0.379	13.097	16.436	29.911	59.866
AS004A Point10-2-core	?	0.435	12.176	17.497	31.521	61.629
AS004A Point10-3-core	0.035	0.212	10.668	7.993	23.800	42.708
AS021 Point7-1-core	0.020	0.303	13.317	14.772	33.057	61.469
AS021 Point7-2-core	0.035	0.297	14.300	14.185	31.566	60.383
AS021 Point8-1-core	?	0.231	9.953	10.547	22.245	42.976
KN003 Point5-1-core	0.195	0.155	29.989	9.177	38.155	77.671
KN003 Point5-2-core	0.120	0.204	28.709	12.287	36.573	77.893
KN003 Point5-3-core	0.183	0.168	28.117	11.979	38.350	78.797
KN003 Point6-1-core	0.214	0.118	28.472	10.027	41.271	80.102
KN003 Point6-2-core	0.243	0.127	29.746	9.340	39.757	79.213
TG62-226.3 Point1-1-core	0.184	0.211	27.577	13.517	37.950	79.439
TG62-226.3 Point1-1-rim	0.202	0.212	27.988	13.188	38.762	80.352
TG62-226.3 Point1-2-core	0.180	0.217	28.130	14.359	36.683	79.569
TG62-226.3 Point1-2-rim	0.166	0.209	27.015	13.913	39.886	81.189
TG62-226.3 Point2-1-core	0.136	0.172	28.494	11.824	36.054	76.680
TG62-226.3 Point2-1-rim	0.209	0.215	26.668	13.105	35.975	76.172
TG62-226.3 Point2-2-core	0.176	0.224	28.236	13.091	37.747	79.474
TG62-226.3 Point2-2-rim	0.204	0.179	28.291	11.310	35.888	75.872
TG114-289.9 Point3-1-core	0.160	0.231	26.470	14.638	36.858	78.357
TG114-289.9 Point3-1-rim	0.121	0.327	24.348	17.660	38.077	80.533
TG114-289.9 Point3-2-core	0.090	0.346	24.728	19.051	35.981	80.196
TG114-289.9 Point3-2-rim	0.193	0.307	23.273	18.155	39.814	81.742
TG114-289.9 Point4-1-core	0.176	0.224	26.244	14.149	37.686	78.479
TG114-289.9 Point4-1-rim	0.201	0.237	26.816	13.963	37.628	78.845
TG114-289.9 Point4-2-core	0.129	0.290	23.769	17.815	37.130	79.133
TG114-289.9 Point4-2-rim	0.114	0.328	24.446	18.794	36.823	80.505

APPENDIX 6

Measurement of ^{143}Nd/^{144}Nd Ratio and ^{87}Sr/^{86}Sr Ratio for Basaltic Lava and Intrusion

Sample	(143Nd/144Nd)p	Err	(87Sr/86Sr)p	Err	Sm	Nd	Rb	Sr	147Sm	144Nd	87Rb	86Sr	(147Sm/144Nd)p	(87Rb/86Sr)p	λ (Sm)	λ (Rb)	(143Nd/144Nd)initial	(87Sr/86Sr)initial	ε Nd	ε Sr
AS001	0.512373	6	0.711215	15	3.75	17.0	41	210	0.562478464	4.057809798	11.37096202	20.706	0.138616271	0.549162659	6.53912E-12	1.42038E-11	0.512255	0.710200	-7.47	80.91
AS003	0.512368	7	0.706376	13	3.92	17.6	22	316	0.587708433	4.19760005	6.023066283	31.1576	0.140010584	0.193309699	6.53912E-12	1.42038E-11	0.512249	0.706019	-7.59	21.56
AS006	0.512407	6	0.706153	15	6.23	26.9	29	353	0.933987926	6.40196795	7.969052873	34.8058	0.145890753	0.228957613	6.53912E-12	1.42038E-11	0.512283	0.705730	-6.93	17.46
AS011	0.512394	4	0.706363	14	6.54	29.4	32	345	0.980461723	6.991608904	8.841010466	34.017	0.140234063	0.25989977	6.53912E-12	1.42038E-11	0.512275	0.705883	-7.09	19.63
AS014	0.512379	5	0.706311	17	13.2	62.3	53	471	1.977996756	14.82917096	14.82171476	46.4406	0.133385525	0.319154248	6.53912E-12	1.42038E-11	0.512266	0.705721	-7.27	17.33
AS023	0.512336	5	0.710155	16	6.26	26.2	46	216	0.938873317	6.243249796	12.90854141	21.2976	0.150382148	0.606103101	6.53912E-12	1.42038E-11	0.512208	0.709035	-8.39	64.37
AS024A	0.512570	5	0.706881	16	3.66	12.5	17	162	0.548098108	2.983681288	4.6683581	15.9732	0.183698611	0.29226192	6.53912E-12	1.42038E-11	0.512414	0.706341	-4.37	26.13
KN002	0.512502	6	0.706743	13	1.69	6.65	6	174	0.253407899	1.58252983	1.646397475	17.1564	0.160128355	0.095964041	6.53912E-12	1.42038E-11	0.512366	0.706566	-5.31	29.32
KN003	0.512567	5	0.705988	16	3.80	15.6	9	318	0.569503977	3.703347116	2.375307198	31.3548	0.15378088	0.075755776	6.53912E-12	1.42038E-11	0.512436	0.705848	-3.94	19.13
KN005	0.512334	5	0.709502	18	5.77	23.3	49	188	0.864902614	5.533609004	13.56969816	18.5368	0.156299914	0.73204103	6.53912E-12	1.42038E-11	0.512201	0.708149	-8.52	51.80
KN006	0.512421	6	0.706829	18	4.03	15.1	15	170	0.604709941	3.597449016	4.093701161	16.762	0.168094096	0.244225102	6.53912E-12	1.42038E-11	0.512278	0.706378	-7.02	26.65
KN009	0.512510	7	0.707613	16	4.12	16.3	58	213	0.61812734	3.870472858	16.21965629	21.0018	0.159703313	0.772298388	6.53912E-12	1.42038E-11	0.512374	0.706186	-5.15	23.93
KN012	0.512400	5	0.706922	19	4.04	15.3	17	185	0.605361407	3.650280494	4.837508005	18.241	0.165839696	0.265199715	6.53912E-12	1.42038E-11	0.512259	0.706432	-7.39	27.42
KN014	0.512384	6	0.705917	16	7.68	35.2	33	399	1.150993059	8.370623982	9.293198707	39.3414	0.137503854	0.236219319	6.53912E-12	1.42038E-11	0.512267	0.705480	-7.24	13.92
KN016	0.512456	5	0.706240	19	6.34	27.2	28	229	0.949860837	6.481671056	7.811983971	22.5794	0.146545671	0.345978368	6.53912E-12	1.42038E-11	0.512331	0.705601	-5.98	15.62
KN019	0.512391	4	0.705804	17	4.87	21.7	10	355	0.729273993	5.155595508	2.857949251	35.003	0.141452911	0.081648694	6.53912E-12	1.42038E-11	0.512271	0.705653	-7.16	16.37
KN020	0.512370	6	0.706225	14	5.56	25.1	23	360	0.83317373	5.984036142	6.411939883	35.496	0.139232737	0.180638378	6.53912E-12	1.42038E-11	0.512252	0.705891	-7.54	19.75
KN022A	0.512387	5	0.706141	17	5.30	24.0	21	370	0.794682558	5.721077082	5.929231594	36.482	0.138904361	0.16252485	6.53912E-12	1.42038E-11	0.512269	0.705841	-7.20	19.03
KN024A	0.512376	7	0.706238	15	5.34	24.7	23	375	0.799907323	5.87431481	6.48539522	36.975	0.136170319	0.175399465	6.53912E-12	1.42038E-11	0.512260	0.705914	-7.37	20.07
KN027	0.512399	6	0.706497	18	6.20	26.1	32	264	0.929993841	6.21446679	8.880555783	26.0304	0.149649821	0.341160942	6.53912E-12	1.42038E-11	0.512272	0.705866	-7.14	19.40
KN031	0.512376	4	0.706416	15	6.38	27.6	29	289	0.956440847	6.573873208	8.156151458	28.4954	0.145491222	0.286226951	6.53912E-12	1.42038E-11	0.512252	0.705887	-7.52	19.69
KN032	0.512413	8	0.706190	20	4.31	17.8	19	285	0.646408374	4.236282904	5.357733917	28.101	0.152588575	0.190659902	6.53912E-12	1.42038E-11	0.512283	0.705838	-6.92	18.99
KN040A	0.512373	5	0.706457	17	6.07	28.0	32	336	0.90960849	6.668940166	8.965575876	33.1296	0.136394759	0.270621314	6.53912E-12	1.42038E-11	0.512257	0.705957	-7.43	20.68
KN050	0.512384	6	0.705936	17	5.50	24.0	12	355	0.823770204	5.719665504	3.335190058	35.003	0.144024192	0.095282977	6.53912E-12	1.42038E-11	0.512262	0.705760	-7.34	17.88
KN052	0.512382	4	0.706136	19	4.61	20.1	17	335	0.690561718	4.78506378	4.813347947	33.031	0.144316095	0.145722138	6.53912E-12	1.42038E-11	0.512259	0.705867	-7.39	19.40
WW024	0.512254	5	0.709798	17	5.43	24.2	43	232	0.81340237	5.750159254	12.09947767	22.8752	0.141457364	0.52893429	6.53912E-12	1.42038E-11	0.512134	0.708820	-9.84	61.33
WW099	0.512289	4	0.711683	20	4.58	20.4	60	214	0.686067267	4.86219244	16.69552758	21.1004	0.14110245	0.791242232	6.53912E-12	1.42038E-11	0.512169	0.710221	-9.15	81.20
WW122	0.512399	5	0.705282	22	11.7	55.0	25	801	1.758478549	13.08338289	7.065207666	78.9786	0.134405495	0.089457241	6.53912E-12	1.42038E-11	0.512285	0.705117	-6.89	8.75
AT03-519.2	0.512331	4	0.711547	17	6.09	27.5	61	241	0.912891	6.545	16.9763	23.7626	0.139479144	0.714412564	6.53912E-12	1.42038E-11	0.512212	0.710227	-8.30	81.29
AT08-845.1	0.512334	4	0.712020	16	6.47	29.4	64	210	0.969853	6.9972	17.8112	20.706	0.138605871	0.860195113	6.53912E-12	1.42038E-11	0.512216	0.710430	-8.23	84.18
TG114-289.9	0.512864	5	0.705162	15	2.48	9.71	10	188	0.371978949	2.310810068	2.733833296	18.5368	0.160973398	0.147481404	6.53912E-12	1.42038E-11	0.512727	0.704889	1.74	5.53
TG228-817	0.512219	4	0.710876	17	5.18	23.6	37	243	0.776482	5.6168	10.2971	23.9598	0.138242772	0.429765691	6.53912E-12	1.42038E-11	0.512101	0.710082	-10.47	79.23
TG62-237.6	0.512851	7	0.705398	19	2.32	9.19	12	189	0.347203177	2.18801492	3.370236377	18.6354	0.158684099	0.180851303	6.53912E-12	1.42038E-11	0.512716	0.705064	1.52	8.00
TG95-756.3	0.512210	5	0.710140	16	4.62	21.3	32	236	0.692538	5.0694	8.9056	23.2696	0.136611433	0.382713927	6.53912E-12	1.42038E-11	0.512094	0.709433	-10.62	70.02

143Nd/144Nd CHUR: 0.512638 (Faure, 1986)

87Sr/86Nd UR: 0.7045 (White and Hofmann, 1982)

APPENDIX 7

Geochemical Grade Assay of Pan Concentrated Samples

Sample No.	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	S	Pd	Pt
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppb	ppb
AS027P	< 0.2	< 0.5	68	318	< 2	45	7	68	0.006	1.0	1.0
AS022P-1	< 0.2	< 0.5	79	1236	6	51	6	75	3.966	<1.0	4.0
AS022P-2	< 0.2	< 0.5	75	758	< 2	109	6	66	9.976	3.0	3.0
AS022P-3	< 0.2	< 0.5	130	922	< 2	105	5	50	10.026	3.0	3.0
AS022P-4	< 0.2	< 0.5	53	5397	< 2	1161	14	86	3.192	5.0	6.0

APPENDIX 8

Measurement of d³⁴S for Sulfide Minerals

Sample	$\delta^{34}S(‰)$	Sample Description
KN040B	10.1	Pyrite in Ponta Grossa Sill
AS010	9.6	Pyrite in Ponta Grossa Dike
5AT-03-SC 486.90m	10.5	Pyrite in Lomba Grande sill
AS020	-0.6	Pyrite rich coal ore of Rio Bonito F.

APPENDIX 9

List of collected Stream sediments and water in Lomba Grande

Sample No.	E-W		N-S	Sample No.	E-W		N-S
CK-A- 1	22J	495450	UTM	6698500	CK-S- 1	22J	495450	UTM	6698500
CK-A- 2	22J	494900	UTM	6699000	CK-S- 2	22J	494900	UTM	6699000
CK-A- 3	22J	492450	UTM	6698150	CK-S- 3	22J	492450	UTM	6698150
CK-A- 4	22J	493000	UTM	6699100	CK-S- 4	22J	493000	UTM	6699100
CK-A- 5	22J	494800	UTM	6699550	CK-S- 5	22J	494800	UTM	6699550
CK-A- 6	22J	495000	UTM	6699650	CK-S- 6	22J	495000	UTM	6699650
CK-A- 7	22J	495700	UTM	6700200	CK-S- 7	22J	495700	UTM	6700200
CK-A- 8	22J	495850	UTM	6700400	CK-S- 8	22J	495850	UTM	6700400
CK-A- 9	22J	494250	UTM	6700350	CK-S- 9	22J	494250	UTM	6700350
CK-A- 10	22J	494150	UTM	6701550	CK-S- 10	22J	494150	UTM	6701550
CK-A- 11	22J	493200	UTM	6700600	CK-S- 11	22J	493200	UTM	6700600
CK-A- 12	22J	493100	UTM	6701400	CK-S- 12	22J	493100	UTM	6701400
CK-A- 13	22J	492200	UTM	6702000	CK-S- 13	22J	492200	UTM	6702000
CK-A- 14	22J	498150	UTM	6698500	CK-S- 14	22J	498150	UTM	6698500
CK-A- 15	22J	497700	UTM	6698500	CK-S- 15	22J	497700	UTM	6698500
CK-A- 16	22J	499300	UTM	6699550	CK-S- 16	22J	499300	UTM	6699550
CK-A- 17	22J	498800	UTM	6699350	CK-S- 17	22J	498800	UTM	6699350
CK-A- 18	22J	499100	UTM	6699650	CK-S- 18	22J	499100	UTM	6699650
CK-A- 19	22J	499550	UTM	6701100	CK-S- 19	22J	499550	UTM	6701100
CK-A- 20	22J	498200	UTM	6703000	CK-S- 20	22J	498200	UTM	6703000
CK-A- 21	22J	499050	UTM	6703100	CK-S- 21	22J	499050	UTM	6703100
CK-A- 22	22J	498500	UTM	6704000	CK-S- 22	22J	498500	UTM	6704000
CK-A- 23	22J	498700	UTM	6704000	CK-S- 23	22J	498700	UTM	6704000
CK-A- 24	22J	498650	UTM	6704650	CK-S- 24	22J	498650	UTM	6704650
CK-A- 25	22J	498650	UTM	6705000	CK-S- 25	22J	498650	UTM	6705000
CK-A- 26	22J	498300	UTM	6705200	CK-S- 26	22J	498300	UTM	6705200
CK-A- 27	22J	499150	UTM	6705800	CK-S- 27	22J	499150	UTM	6705800
CK-A- 28	22J	496450	UTM	6706100	CK-S- 28	22J	496450	UTM	6706100
CK-A- 29	22J	494200	UTM	6705600	CK-S- 29	22J	494200	UTM	6705600
CK-A- 30	22J	496900	UTM	6703400	CK-S- 30	22J	496900	UTM	6703400
CK-A- 31	22J	496050	UTM	6704250	CK-S- 31	22J	496050	UTM	6704250
CK-A- 32	22J	496100	UTM	6704400	CK-S- 32	22J	496100	UTM	6704400
CK-A- 33	22J	495250	UTM	6704300	CK-S- 33	22J	495250	UTM	6704300
CK-A- 34	22J	494100	UTM	6702900	CK-S- 34	22J	494100	UTM	6702900
CK-A- 35	22J	493800	UTM	6704000	CK-S- 35	22J	493800	UTM	6704000
CK-A- 36	22J	494750	UTM	6703700	CK-S- 36	22J	494750	UTM	6703700
CK-A- 37	22J	494900	UTM	6703700	CK-S- 37	22J	494900	UTM	6703700
CK-A- 38	22J	495300	UTM	6702750	CK-S- 38	22J	495300	UTM	6702750
CK-A- 39	22J	493350	UTM	6704900	CK-S- 39	22J	493350	UTM	6704900
CK-A- 40	22J	493200	UTM	6704900	CK-S- 40	22J	493200	UTM	6704900
CK-A- 41	22J	492300	UTM	6703450	CK-S- 41	22J	492300	UTM	6703450
CK-A- 42	22J	503750	UTM	6705700	CK-S- 42	22J	503750	UTM	6705700
CK-A- 43	22J	502850	UTM	6705300	CK-S- 43	22J	502850	UTM	6705300
CK-A- 44	22J	502900	UTM	6705450	CK-S- 44	22J	502900	UTM	6705450
CK-A- 45	22J	502400	UTM	6705350	CK-S- 45	22J	502400	UTM	6705350
CK-A- 46	22J	502700	UTM	6703000	CK-S- 46	22J	502700	UTM	6703000
CK-A- 47	22J	502900	UTM	6703050	CK-S- 47	22J	502900	UTM	6703050
CK-A- 48	22J	501750	UTM	6703600	CK-S- 48	22J	501750	UTM	6703600
CK-A- 49	22J	507400	UTM	6706700	CK-S- 49	22J	507400	UTM	6706700
CK-A- 50	22J	509500	UTM	6705950	CK-S- 50	22J	509500	UTM	6705950
CK-A- 51	22J	509400	UTM	6703850	CK-S- 51	22J	509400	UTM	6703850
CK-A- 52	22J	510000	UTM	6703900	CK-S- 52	22J	510000	UTM	6703900
CK-A- 53	22J	509000	UTM	6703500	CK-S- 53	22J	509000	UTM	6703500
CK-A- 54	22J	507950	UTM	6703000	CK-S- 54	22J	507950	UTM	6703000
CK-A- 55	22J	504750	UTM	6703850	CK-S- 55	22J	504750	UTM	6703850
CK-A- 56	22J	506300	UTM	6704050	CK-S- 56	22J	506300	UTM	6704050
CK-A- 57	22J	505700	UTM	6703800	CK-S- 57	22J	505700	UTM	6703800
CK-A- 58	22J	506700	UTM	6703200	CK-S- 58	22J	506700	UTM	6703200
CK-A- 59	22J	506450	UTM	6703150	CK-S- 59	22J	506450	UTM	6703150
CK-A- 60	22J	506600	UTM	6702900	CK-S- 60	22J	506600	UTM	6702900
CK-A- 61	22J	507150	UTM	6702000	CK-S- 61	22J	507150	UTM	6702000
CK-A- 62	22J	506650	UTM	6701700	CK-S- 62	22J	506650	UTM	6701700
CK-A- 63	22J	506700	UTM	6701450	CK-S- 63	22J	506700	UTM	6701450
CK-A- 64	22J	505800	UTM	6702150	CK-S- 64	22J	505800	UTM	6702150
CK-A- 65	22J	504850	UTM	6702500	CK-S- 65	22J	504850	UTM	6702500
CK-A- 66	22J	503900	UTM	6702950	CK-S- 66	22J	503900	UTM	6702950
CK-A- 67	22J	503900	UTM	6702100	CK-S- 67	22J	503900	UTM	6702100
CK-A- 68	22J	503900	UTM	6701100	CK-S- 68	22J	503900	UTM	6701100
CK-A- 69	22J	505500	UTM	6701250	CK-S- 69	22J	505500	UTM	6701250

List of collected Stream sediments and water in Lomba Grande

Sample No.	E-W		N-S		Sample No.	E-W		N-S	
CK-A- 70	22J	505100	UTM	6700550	CK-S- 70	22J	505100	UTM	6700550
CK-A- 71	22J	504900	UTM	6699650	CK-S- 71	22J	504900	UTM	6699650
CK-A- 72	22J	504900	UTM	6699550	CK-S- 72	22J	504900	UTM	6699550
CK-A- 73	22J	504800	UTM	6698950	CK-S- 73	22J	504800	UTM	6698950
CK-A- 74	22J	504850	UTM	6699250	CK-S- 74	22J	504850	UTM	6699250
CK-A- 75	22J	502050	UTM	6700200	CK-S- 75	22J	502050	UTM	6700200
CK-A- 76	22J	502550	UTM	6699550	CK-S- 76	22J	502550	UTM	6699550
CK-A- 77	22J	502600	UTM	6701150	CK-S- 77	22J	502600	UTM	6701150
CK-A- 78	22J	503100	UTM	6700350	CK-S- 78	22J	503100	UTM	6700350
CK-A- 79	22J	503000	UTM	6700200	CK-S- 79	22J	503000	UTM	6700200
CK-A- 80	22J	503400	UTM	6700100	CK-S- 80	22J	503400	UTM	6700100
CK-A- 81	22J	503400	UTM	6698900	CK-S- 81	22J	503400	UTM	6698900
CK-A- 82	22J	503900	UTM	6700150	CK-S- 82	22J	503900	UTM	6700150
CK-A- 83	22J	503850	UTM	6700050	CK-S- 83	22J	503850	UTM	6700050
CK-A- 84	22J	503950	UTM	6699800	CK-S- 84	22J	503950	UTM	6699800
CK-A- 85	22J	502700	UTM	6698100	CK-S- 85	22J	502700	UTM	6698100
CK-A- 86	22J	501750	UTM	6698900	CK-S- 86	22J	501750	UTM	6698900
CK-A- 87	22J	500700	UTM	6698400	CK-S- 87	22J	500700	UTM	6698400
CK-A- 88	22J	501100	UTM	6697550	CK-S- 88	22J	501100	UTM	6697550
CK-A- 89	22J	501050	UTM	6700200	CK-S- 89	22J	501050	UTM	6700200
CK-A- 90	22J	501450	UTM	6701400	CK-S- 90	22J	501450	UTM	6701400
CK-A- 91	22J	501200	UTM	6701600	CK-S- 91	22J	501200	UTM	6701600
CK-A- 92	22J	501100	UTM	6701100	CK-S- 92	22J	501100	UTM	6701100
CK-A- 93	22J	500050	UTM	6700950	CK-S- 93	22J	500050	UTM	6700950
CK-A- 94	22J	502250	UTM	6694300	CK-S- 94	22J	502250	UTM	6694300
CK-A- 95	22J	500200	UTM	6693250	CK-S- 95	22J	500200	UTM	6693250
CK-A- 96	22J	501700	UTM	6691650	CK-S- 96	22J	501700	UTM	6691650
CK-A- 97	22J	513500	UTM	6704750	CK-S- 97	22J	513500	UTM	6704750
CK-A- 98	22J	513400	UTM	6704200	CK-S- 98	22J	513400	UTM	6704200
CK-A- 99	22J	511950	UTM	6703750	CK-S- 99	22J	511950	UTM	6703750
CK-A- 100	22J	511500	UTM	6702450	CK-S- 100	22J	511500	UTM	6702450
CK-A- 101	22J	512850	UTM	6701750	CK-S- 101	22J	512850	UTM	6701750
CK-A- 102	22J	513950	UTM	6705950	CK-S- 102	22J	513950	UTM	6705950
CK-A- 103	22J	515100	UTM	6705200	CK-S- 103	22J	515100	UTM	6705200
CK-A- 104	22J	515700	UTM	6706700	CK-S- 104	22J	515700	UTM	6706700
CK-A- 105	22J	515750	UTM	6703400	CK-S- 105	22J	515750	UTM	6703400
CK-A- 106	22J	509600	UTM	6697650	CK-S- 106	22J	509600	UTM	6697650
CK-A- 107	22J	510200	UTM	6698000	CK-S- 107	22J	510200	UTM	6698000
CK-A- 108	22J	511100	UTM	6698200	CK-S- 108	22J	511100	UTM	6698200
CK-A- 109	22J	511600	UTM	6698700	CK-S- 109	22J	511600	UTM	6698700
CK-A- 110	22J	512300	UTM	6698250	CK-S- 110	22J	512300	UTM	6698250
CK-A- 111	22J	512250	UTM	6696900	CK-S- 111	22J	512250	UTM	6696900
CK-A- 112	22J	511850	UTM	6697650	CK-S- 112	22J	511850	UTM	6697650
CK-A- 113	22J	511050	UTM	6697450	CK-S- 113	22J	511050	UTM	6697450
CK-A- 114	22J	510850	UTM	6696700	CK-S- 114	22J	510850	UTM	6696700
CK-A- 115	22J	510750	UTM	6696450	CK-S- 115	22J	510750	UTM	6696450
CK-A- 116	22J	510150	UTM	6697000	CK-S- 116	22J	510150	UTM	6697000
CK-A- 117	22J	509600	UTM	6696150	CK-S- 117	22J	509600	UTM	6696150
CK-A- 118	22J	508850	UTM	6696550	CK-S- 118	22J	508850	UTM	6696550
CK-A- 119	22J	511400	UTM	6695950	CK-S- 119	22J	511400	UTM	6695950
CK-A- 120	22J	510950	UTM	6694250	CK-S- 120	22J	510950	UTM	6694250
CK-A- 121	22J	510100	UTM	6695550	CK-S- 121	22J	510100	UTM	6695550
CK-A- 122	22J	509550	UTM	6695000	CK-S- 122	22J	509550	UTM	6695000
CK-A- 123	22J	514950	UTM	6699950	CK-S- 123	22J	514950	UTM	6699950
CK-A- 124	22J	514250	UTM	6699600	CK-S- 124	22J	514250	UTM	6699600
CK-A- 125	22J	514900	UTM	6699050	CK-S- 125	22J	514900	UTM	6699050
CK-A- 126	22J	513350	UTM	6699000	CK-S- 126	22J	513350	UTM	6699000
CK-A- 127	22J	515700	UTM	6699400	CK-S- 127	22J	515700	UTM	6699400
CK-A- 128	22J	515600	UTM	6699200	CK-S- 128	22J	515600	UTM	6699200
CK-A- 129	22J	516300	UTM	6698250	CK-S- 129	22J	516300	UTM	6698250
CK-A- 130	22J	507350	UTM	6701050	CK-S- 130	22J	507350	UTM	6701050
CK-A- 131	22J	507450	UTM	6601100	CK-S- 131	22J	507450	UTM	6601100
CK-A- 132	22J	507700	UTM	6700300	CK-S- 132	22J	507700	UTM	6700300
CK-A- 133	22J	508450	UTM	6701250	CK-S- 133	22J	508450	UTM	6701250
CK-A- 134	22J	517550	UTM	6700450	CK-S- 134	22J	517550	UTM	6700450
CK-A- 135	22J	516550	UTM	6700350	CK-S- 135	22J	516550	UTM	6700350
CK-A- 136	22J	516750	UTM	6699250	CK-S- 136	22J	516750	UTM	6699250
CK-A- 137	22J	516650	UTM	6698900	CK-S- 137	22J	516650	UTM	6698900
CK-A- 138	22J	517500	UTM	6698250	CK-S- 138	22J	517500	UTM	6698250

List of collected Stream sediments and water in Lomba Grande

Sample No.	E-W		N-S		Sample No.	E-W		N-S	
CK-A- 139	22J	517400	UTM	6698050	CK-S- 139	22J	517400	UTM	6698050
CK-A- 140	22J	517900	UTM	6699500	CK-S- 140	22J	517900	UTM	6699500
CK-A- 141	22J	518900	UTM	6697800	CK-S- 141	22J	518900	UTM	6697800
CK-A- 142	22J	517350	UTM	6696050	CK-S- 142	22J	517350	UTM	6696050
CK-A- 143	22J	515500	UTM	6698400	CK-S- 143	22J	515500	UTM	6698400
CK-A- 144	22J	515600	UTM	6698450	CK-S- 144	22J	515600	UTM	6698450
CK-A- 145	22J	516550	UTM	6696650	CK-S- 145	22J	516550	UTM	6696650
CK-A- 146	22J	513800	UTM	6695850	CK-S- 146	22J	513800	UTM	6695850
CK-A- 147	22J	514050	UTM	6695850	CK-S- 147	22J	514050	UTM	6695850
CK-A- 148	22J	512700	UTM	6693450	CK-S- 148	22J	512700	UTM	6693450
CK-A- 149	22J	515530	UTM	6694200	CK-S- 149	22J	515530	UTM	6694200
CK-A- 150	22J	515550	UTM	6694200	CK-S- 150	22J	515550	UTM	6694200
CK-A- 151	22J	515400	UTM	6694000	CK-S- 151	22J	515400	UTM	6694000
CK-A- 152	22J	514450	UTM	6692450	CK-S- 152	22J	514450	UTM	6692450
CK-A- 153	22J	514050	UTM	6692150	CK-S- 153	22J	514050	UTM	6692150
CK-A- 154	22J	512850	UTM	6690900	CK-S- 154	22J	512850	UTM	6690900
CK-A- 155	22J	512950	UTM	6691100	CK-S- 155	22J	512950	UTM	6691100
CK-A- 156	22J	513650	UTM	6690400	CK-S- 156	22J	513650	UTM	6690400
CK-A- 157	22J	515500	UTM	6693000	CK-S- 157	22J	515500	UTM	6693000
CK-A- 158	22J	514700	UTM	6691250	CK-S- 158	22J	514700	UTM	6691250
CK-A- 159	22J	511800	UTM	6690900	CK-S- 159	22J	511800	UTM	6690900
CK-A- 160	22J	512950	UTM	6687850	CK-S- 160	22J	512950	UTM	6687850
CK-A- 161	22J	513050	UTM	6689200	CK-S- 161	22J	513050	UTM	6689200
CK-A- 162	22J	513350	UTM	6688800	CK-S- 162	22J	513350	UTM	6688800
CK-A- 163	22J	514350	UTM	6690150	CK-S- 163	22J	514350	UTM	6690150
CK-A- 164	22J	515000	UTM	6689600	CK-S- 164	22J	515000	UTM	6689600
CK-A- 165	22J	512450	UTM	6689550	CK-S- 165	22J	512450	UTM	6689550
CK-A- 166	22J	509700	UTM	6692700	CK-S- 166	22J	509700	UTM	6692700
CK-A- 167	22J	509600	UTM	6692850	CK-S- 167	22J	509600	UTM	6692850
CK-A- 168	22J	508300	UTM	6689550	CK-S- 168	22J	508300	UTM	6689550
CK-A- 169	22J	508250	UTM	6689800	CK-S- 169	22J	508250	UTM	6689800
CK-A- 170	22J	506550	UTM	6690350	CK-S- 170	22J	506550	UTM	6690350
CK-A- 171	22J	505800	UTM	6689800	CK-S- 171	22J	505800	UTM	6689800
CK-A- 172	22J	503150	UTM	6690450	CK-S- 172	22J	503150	UTM	6690450
CK-A- 173	22J	502950	UTM	6690250	CK-S- 173	22J	502950	UTM	6690250
CK-A- 174	22J	503200	UTM	6691950	CK-S- 174	22J	503200	UTM	6691950
CK-A- 175	22J	505400	UTM	6692600	CK-S- 175	22J	505400	UTM	6692600
CK-A- 176	22J	505950	UTM	6690700	CK-S- 176	22J	505950	UTM	6690700
CK-A- 177	22J	508150	UTM	6692950	CK-S- 177	22J	508150	UTM	6692950
CK-A- 178	22J	504650	UTM	6695800	CK-S- 178	22J	504650	UTM	6695800
CK-A- 179	22J	507900	UTM	6694450	CK-S- 179	22J	507900	UTM	6694450
CK-A- 180	22J	506100	UTM	6695350	CK-S- 180	22J	506100	UTM	6695350
CK-A- 181	22J	504550	UTM	6696400	CK-S- 181	22J	504550	UTM	6696400
CK-A- 182	22J	491600	UTM	6698850	CK-S- 182	22J	491600	UTM	6698850

List of collected Stream sediments in São Gabriel

Sample No.		UTM E		UTM N
OC-S-001	21J	749,452	UTM	6,677,037
OC-S-002	21J	743,334	UTM	6,719,986
OC-S-003	21J	746,934	UTM	6,727,577
OC-S-004	21J	757,402	UTM	6,728,272
OC-S-005	21J	713,417	UTM	6,725,964
OC-S-006	21J	709,896	UTM	6,734,156
OC-S-007	21J	714,938	UTM	6,736,604
OC-S-008	21J	718,243	UTM	6,733,629
OC-S-009	21J	725,561	UTM	6,734,940
OC-S-010	21J	717,935	UTM	6,747,374
OC-S-010A	21J	718,143	UTM	6,747,323
OC-S-011	21J	722,586	UTM	6,756,366
OC-S-012	21J	693,459	UTM	6,718,308
OC-S-013	21J	689,626	UTM	6,729,172
OC-S-014	21J	681,295	UTM	6,730,710
OC-S-015	21J	735,210	UTM	6,745,722
OC-S-016	21J	740,679	UTM	6,754,916
OC-S-017	21J	745,378	UTM	6,750,329
OC-S-018	21J	750,549	UTM	6,756,538
OC-S-019	21J	748,576	UTM	6,758,731
OC-S-020	21J	741,667	UTM	6,746,175
OC-S-021	21J	719,653	UTM	6,765,616
OC-S-022	21J	724,096	UTM	6,758,623
OC-S-023	21J	729,996	UTM	6,774,916
OC-S-024	21J	736,256	UTM	6,772,521
OC-S-025	21J	754,262	UTM	6,769,994
OC-S-026	21J	764,506	UTM	6,732,177
OC-S-027	21J	760,121	UTM	6,737,189
OC-S-028	21J	768,829	UTM	6,734,566
OC-S-029	21J	773,601	UTM	6,735,397
OC-S-030	21J	757,320	UTM	6,761,953
OC-S-031	21J	683,848	UTM	6,771,203
OC-S-032	21J	682,503	UTM	6,768,304
OC-S-033	21J	668,340	UTM	6,764,920
OC-S-034	21J	657,860	UTM	6,760,208
OC-S-035	21J	667,107	UTM	6,737,859
OC-S-036	21J	679,830	UTM	6,746,596
OC-S-037	21J	695,403	UTM	6,744,187
OC-S-038	21J	744,773	UTM	6,788,167
OC-S-039	21J	734,126	UTM	6,801,663
OC-S-040	21J	734,974	UTM	6,795,105
OC-S-041	21J	717,193	UTM	6,795,287
OC-S-042	21J	710,396	UTM	6,807,158
OC-S-043	21J	706,529	UTM	6,806,355
OC-S-044	21J	699,751	UTM	6,809,395
OC-S-045	21J	697,921	UTM	6,813,713
OC-S-046	21J	702,390	UTM	6,800,399
OC-S-047	21J	763,510	UTM	6,779,063
OC-S-048	21J	758,499	UTM	6,777,794
OC-S-049	21J	673,842	UTM	6,809,030
OC-S-050	21J	689,942	UTM	6,814,835
OC-S-051	21J	684,363	UTM	6,820,599
OC-S-052	21J	683,149	UTM	6,774,434
OC-S-053	21J	667,712	UTM	6,772,539
OC-S-054	21J	653,950	UTM	6,771,219
OC-S-055	21J	651,211	UTM	6,766,038
OC-S-056	21J	646,632	UTM	6,776,400
OC-S-057	21J	650,688	UTM	6,809,979
OC-S-058	21J	652,061	UTM	6,810,714
OC-S-059	21J	691,728	UTM	6,797,049
OC-S-060	21J	680,011	UTM	6,804,166
OC-S-061	21J	679,613	UTM	6,804,012
OC-S-062	21J	688,088	UTM	6,819,383
OC-S-063	21J	676,238	UTM	6,821,283
OC-S-064	21J	645,986	UTM	6,818,924
OC-S-065	21J	652,937	UTM	6,821,710
OC-S-066	21J	660,655	UTM	6,828,961
OC-S-067	21J	661,702	UTM	6,830,855

List of collected Stream sediments in São Gabriel

Sample No.		UTM E		UTM N
OC-S-068	21J	670,807	UTM	6,831,543
OC-S-069	21J	614,562	UTM	6,831,469
OC-S-070	21J	648,250	UTM	6,730,780
OC-S-071	21J	673,348	UTM	6,713,331
OC-S-072	21J	663,042	UTM	6,716,303
OC-S-073	21J	653,766	UTM	6,717,666
OC-S-074	21J	641,336	UTM	6,711,507
OC-S-075	21J	636,711	UTM	6,723,270
OC-S-076	21J	641,759	UTM	6,720,638
OC-S-077	21J	651,729	UTM	6,725,389
OC-S-078	21J	625,607	UTM	6,757,150
OC-S-079	21J	625,780	UTM	6,741,563
OC-S-080	21J	621,048	UTM	6,744,863
OC-S-081	21J	615,071	UTM	6,748,132
OC-S-082	21J	628,005	UTM	6,790,056
OC-S-083	21J	697,509	UTM	6,757,846
OC-S-084	21J	671,231	UTM	6,725,320
OC-S-085	21J	676,452	UTM	6,733,361
OC-S-086	21J	706,016	UTM	6,722,050
OC-S-087	21J	748,111	UTM	6,706,649
OC-S-088	21J	746,927	UTM	6,710,745
OC-S-089	21J	727,661	UTM	6,703,170
OC-S-090	21J	614,851	UTM	6,841,533
OC-S-091	21J	622,000	UTM	6,833,087
OC-S-092	21J	623,391	UTM	6,833,752
OC-S-093	21J	645,793	UTM	6,845,261
OC-S-094	21J	646,282	UTM	6,857,338
OC-S-095	21J	599,394	UTM	6,836,458
OC-S-097	21J	635,415	UTM	6,851,770
OC-S-098	21J	638,820	UTM	6,826,393
OC-S-099	21J	637,910	UTM	6,810,143
OC-S-101	21J	626,278	UTM	6,827,152
OC-S-102	21J	613,835	UTM	6,806,050
OC-S-103	21J	614,126	UTM	6,804,405
OC-S-104	21J	612,119	UTM	6,851,998
OC-S-105	21J	596,765	UTM	6,822,993
OC-S-106	21J	585,675	UTM	6,818,400
OC-S-107	21J	610,055	UTM	6,795,223
OC-S-109	21J	581,510	UTM	6,747,284
OC-S-110	21J	601,429	UTM	6,750,601
OC-S-111	21J	583,293	UTM	6,759,756
OC-S-112	21J	589,562	UTM	6,807,613
OC-S-113	21J	595,938	UTM	6,800,499
OC-S-114	21J	567,077	UTM	6,799,146
OC-S-115	21J	558,464	UTM	6,781,967
OC-S-116	21J	679,090	UTM	6,697,570
OC-S 117	21J	698,335	UTM	6,696,393
OC-S-118	21J	720,018	UTM	6,694,685
OC-S-119	21J	732,056	UTM	6,696,733
OC-S-120	21J	730,391	UTM	6,667,313
OC-S-121	21J	716,817	UTM	6,681,180
OC-S-122	21J	723,068	UTM	6,674,922
OC-S-123	21J	734,021	UTM	6,706,247
OC-S-124	21J	770,280	UTM	6,712,366
OC-S-125	21J	760,917	UTM	6,706,194
OC-S 126	21J	766,001	UTM	6,715,174
OC-S-127	21J	717,867	UTM	6,700,412
OC-S-128	21J	778,046	UTM	6,689,295
OC-S-129	21J	770,896	UTM	6,686,082
OC-S-130	21J	779,023	UTM	6,671,786
OC-S-131	21J	771,336	UTM	6,658,828
OC-S-132	21J	739,211	UTM	6,663,886
OC-S-133	21J	734,452	UTM	6,662,894
OC-S-133A	21J	735,648	UTM	6,663,170
OC-S-134	21J	755,461	UTM	6,706,181
OC-S-135	21J	772,034	UTM	6,740,928

Geochemical Grade Assay of Stream Water collected in Lomba Grande District

Sample ID:	Li	Be	Na	Mg	Al	Si	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Rb	Sr	Y	Zr	Nb	Mo	Ru	Pd
CK-A-01	-1	-0.1	2,470	813	170	4,440	1,040	982	4	4.3	0.42	1.4	82.2	704	0.533	0.6	10.4	23.4	0.05	-0.01	0.43	-0.2	54	3.09	11.6	0.900	0.16	0.013	-0.1	-0.01	-0.01
CK-A-02	-1	-0.1	3,370	1,910	103	4,220	599	2,490	4	2.9	0.44	0.8	225	1,310	1.10	0.6	1.4	5.1	0.04	-0.01	0.59	-0.2	107	2.36	23.6	0.251	0.08	-0.005	-0.1	-0.01	-0.01
CK-A-03	2	-0.1	3,140	1,150	85	6,070	1,380	1,540	5	3.6	0.64	0.7	78.9	706	0.650	0.6	12.5	8.6	0.03	-0.01	0.76	-0.2	38	4.46	13.9	0.362	0.10	-0.005	-0.1	-0.01	-0.01
CK-A-04	2	-0.1	3,080	975	54	6,590	1,700	1,450	5	3.4	0.49	0.9	24.7	337	0.211	0.4	0.8	5.0	0.02	-0.01	0.29	-0.2	40	5.25	11.9	0.208	0.08	-0.005	-0.1	-0.01	-0.01
CK-A-05	-1	-0.1	3,380	1,290	84	4,550	1,860	2,730	4	3.1	0.43	1.1	426	1,160	1.33	0.9	1.7	6.6	0.05	-0.01	0.59	-0.2	48	6.14	19.1	0.271	0.07	-0.005	-0.1	-0.01	-0.01
CK-A-06	-1	-0.1	7,300	7,050	161	10,400	1,840	6,230	8	5.1	0.83	1.7	324	991	1.68	2.0	5.4	10.1	0.05	-0.01	0.23	-0.2	59	5.25	33.0	0.473	0.04	-0.005	-0.1	-0.01	-0.01
CK-A-07	-1	-0.1	4,590	1,610	38	6,820	2,790	1,810	5	3.9	0.48	0.8	88.4	611	0.653	1.1	5.9	5.0	0.03	-0.01	0.41	-0.2	48	7.86	17.9	0.211	0.06	-0.005	-0.1	-0.01	-0.01
CK-A-08	-1	-0.1	16,500	9,210	136	12,100	1,370	11,800	9	6.7	1.63	1.5	184	470	0.716	1.3	1.4	1.8	0.06	0.02	0.16	0.4	55	3.22	47.5	0.174	0.05	-0.005	-0.1	-0.01	-0.01
CK-A-09	-1	-0.1	3,850	752	82	6,290	1,850	959	4	3.3	0.61	0.7	30.2	184	0.181	0.5	1.1	4.3	0.03	0.01	1.22	-0.2	41	6.07	11.2	0.183	0.06	-0.005	-0.1	-0.01	-0.01
CK-A-10	-1	-0.1	4,410	1,530	81	6,230	4,960	1,400	4	7.8	1.32	0.9	90.0	474	0.905	0.7	1.7	11.1	0.03	0.02	0.59	-0.2	48	11.5	17.4	0.946	0.36	-0.005	-0.1	-0.01	-0.01
CK-A-11	-1	-0.1	2,950	538	61	4,690	2,090	-50	4	2.7	0.52	1.0	22.3	190	0.099	-0.3	0.6	3.3	0.03	0.01	0.17	-0.2	35	7.34	8.63	0.413	0.05	-0.005	-0.1	-0.01	-0.01
CK-A-12	-1	-0.1	2,420	804	61	4,240	954	203	3	2.7	0.40	0.9	31.8	266	0.247	-0.3	3.6	6.9	0.03	-0.01	0.35	-0.2	37	3.10	8.94	0.169	0.08	-0.005	-0.1	-0.01	-0.01
CK-A-13	-1	-0.1	2,590	727	41	3,860	968	134	3	2.6	0.34	0.8	35.3	195	0.228	-0.3	0.5	6.0	0.02	0.01	0.34	-0.2	34	3.24	8.32	0.141	0.10	-0.005	-0.1	-0.01	-0.01
CK-A-14	-1	-0.1	5,040	2,590	65	9,840	1,570	2,900	7	4.9	0.56	1.4	199	888	0.995	1.0	0.9	3.4	0.05	-0.01	0.31	-0.2	46	4.46	23.1	0.213	0.07	-0.005	-0.1	-0.01	-0.01
CK-A-15	1	-0.1	3,540	1,100	56	6,540	2,410	1,690	5	3.6	0.36	1.6	266	721	1.19	0.5	0.7	3.6	0.05	-0.01	0.33	-0.2	42	6.47	15.8	0.162	0.04	-0.005	-0.1	-0.01	-0.01
CK-A-16	-1	-0.1	6,890	5,650	36	11,000	884	5,540	9	5.6	0.60	1.5	208	960	0.954	1.0	0.7	2.3	0.05	-0.01	0.30	-0.2	46	2.30	29.2	0.108	0.05	-0.005	-0.1	-0.01	-0.01
CK-A-17	-1	-0.1	5,040	2,450	52	9,540	2,900	2,450	7	5.0	0.58	1.1	218	903	0.753	0.7	0.8	1.4	0.06	-0.01	0.30	-0.2	40	7.96	20.5	0.158	0.03	-0.005	-0.1	-0.01	-0.01
CK-A-18	-1	-0.1	4,980	1,850	71	9,420	1,580	2,310	7	5.0	0.59	1.3	103	602	0.644	0.7	2.4	2.8	0.05	-0.01	0.31	-0.2	42	4.71	19.8	0.243	0.16	-0.005	-0.1	-0.01	-0.01
CK-A-19	-1	-0.1	4,280	916	68	9,300	1,730	1,080	7	4.5	0.57	1.0	65.8	334	0.611	0.4	0.4	1.4	0.04	-0.01	0.26	-0.2	42	4.89	13.5	0.272	0.06	-0.005	-0.1	-0.01	-0.01
CK-A-20	2	-0.1	8,230	3,250	35	13,600	2,700	5,690	10	6.4	1.20	1.1	50.2	369	0.404	0.4	0.7	0.9	0.03	-0.01	0.33	-0.2	48	6.58	30.1	0.161	0.05	-0.005	-0.1	-0.01	-0.01
CK-A-21	1	-0.1	5,820	1,080	61	11,500	1,650	1,710	8	5.3	0.77	1.0	37.9	266	0.441	0.8	2.2	2.8	0.03	-0.01	0.28	-0.2	33	4.24	16.1	0.190	0.12	-0.005	-0.1	-0.01	-0.01
CK-A-22	1	-0.1	6,240	-2,310	108	9,850	2,650	3,750	7	5.1	1.30	1.1	104	563	0.980	0.8	1.8	3.7	0.05	-0.01	0.30	-0.2	40	6.30	22.8	0.375	0.11	-0.005	-0.1	-0.01	-0.01
CK-A-23	1	0.1	4,260	1,170	207	7,370	1,860	1,780	5	4.0	1.17	1.2	140	993	0.968	0.9	2.9	6.2	0.08	0.01	0.50	-0.2	41	4.99	17.2	0.551	0.22	-0.005	-0.1	-0.01	-0.01
CK-A-24	-1	-0.1	4,760	1,260	87	7,520	2,430	2,010	5	3.7	0.71	0.9	164	693	0.853	0.5	0.9	3.0	0.06	-0.01	0.44	-0.2	39	6.14	17.7	0.255	0.12	-0.005	-0.1	-0.01	-0.01
CK-A-25	-1	0.1	4,470	675	146	7,320	1,150	717	5	4.1	0.57	0.9	54.4	253	0.569	0.5	0.6	2.9	0.05	-0.01	0.31	-0.2	32	3.31	11.3	0.261	0.15	-0.005	-0.1	-0.01	-0.01
CK-A-26	-1	-0.1	3,290	1,360	169	6,240	2,010	1,030	5	3.3	1.11	1.6	102	1,010	1.02	0.7	4.0	3.3	0.07	-0.01	0.53	-0.2	38	6.29	17.3	0.601	0.15	-0.005	-0.1	-0.01	-0.01
CK-A-27	-1	-0.1	4,390	836	127	7,330	2,250	928	5	4.1	0.89	0.9	17.2	143	0.211	0.3	1.2	2.7	0.04	-0.01	0.26	-0.2	33	6.11	13.0	0.445	0.14	-0.005	-0.1	-0.01	-0.01
CK-A-28	-1	0.1	3,710	1,810	288	6,320	3,380	2,120	4	3.5	3.59	1.4	32.3	480	0.402	0.7	1.2	2.7	0.08	0.01	0.52	-0.2	49	9.21	21.1	0.672	0.20	-0.005	-0.1	-0.01	-0.01
CK-A-29	-1	-0.1	3,480	1,330	214	6,420	2,060	1,380	4	3.3	1.69	1.3	58.1	912	0.602	0.7	4.5	4.7	0.07	-0.01	0.51	-0.2	42	6.35	15.1	0.594	0.17	-0.005	-0.1	-0.01	-0.01
CK-A-30	-1	-0.1	4,350	2,780	279	8,250	2,680	2,940	6	7.9	1.15	1.9	22.4	373	0.299	0.9	1.3	2.0	0.08	-0.01	0.21	-0.2	45	7.58	20.7	0.358	0.17	0.014	-0.1	-0.01	-0.01
CK-A-31	-1	-0.1	3,790	1,890	112	7,530	2,420	2,110	5	4.1	0.87	1.4	97.7	576	0.838	0.9	1.4	3.0	0.05	0.01	0.34	-0.2	41	7.30	19.4	0.288	0.09	-0.005	-0.1	-0.01	-0.01
CK-A-32	1	0.1	3,070	918	59	7,450	2,430	573	5	3.5	0.89	1.3	37.4	236	0.384	0.4	0.5	2.3	0.03	0.01	0.26	-0.2	34	7.66	14.0	0.253	0.06	-0.005	-0.1	-0.01	-0.01
CK-A-33	-1	-0.1	2,840	1,660	130	4,730	1,090	1,890	4	2.4	0.97	1.1	54.8	1,230	0.522	0.6	2.8	4.3	0.05	-0.01	0.80	-0.2	39	4.02	21.0	0.341	0.13	-0.005	-0.1	-0.01	-0.01
CK-A-34	-1	-0.1	5,200	1,500	75	7,630	2,380	1,490	5	3.7	0.76	1.3	26.7	230	0.261	0.4	0.8	2.3	0.03	-0.01	0.24	-0.2	45	6.08	16.6	0.211	0.11	-0.005	-0.1	-0.01	-0.01
CK-A-35	-1	-0.1	3,410	1,410	101	2,960	1,810	988	2	1.8	1.12	1.1	44.5	688	0.251	-0.3	0.7	1.9	0.04	-0.01	0.60	-0.2	44	5.59	17.8	0.324	0.14	-0.005	-0.1	-0.01	-0.01
CK-A-36	2	-0.1	5,230	1,810	109	10,100	2,440	2,540	7	4.6	1.03	1.7	67.7	720	0.643	0.6	1.1	3.1	0.05	-0.01	0.49	-0.2	55	6.46	21.2	0.314	0.13	-0.005	-0.1	-0.01	-0.01
CK-A-37	-1	-0.1	3,280	1,130	54	5,840	1,580	1,280	4	2.7	0.54	1.1	62.7	474	0.326	0.4	0.4	1.8	0.03	0.01	0.36	-0.2	42	4.74	14.2	0.170	0.08	-0.005	-0.1	-0.01	-0.01
CK-A-38	-1	-0.1	3,510	1,110	59	5,180	2,000	1,240	4	2.8	0.56	1.2	91.7	571	0.402	0.3	1.3	2.8	0.04	-0.01	0.41	-0.2	44	6.15	13.0	0.180	0.09	-0.005	-0.1	-0.01	-0.01
CK-A-39	1	-0.1	4,040	1,570	66	7,590	1,850	1,670	5	3.3	0.89	1.1	48.0	631	0.532	0.5	0.6	3.5	0.04	-0.01	0.52	-0.2	46	6.23	19.8	0.303	0.09	-0.005	-0.1	-0.01	-0.01
CK-A-40	2	0.1	5,710	3,590	126	9,270	2,960	2,230	6	4.4	1.35	1.3	61.5	708	0.950	0.7	1.3	2.9	0.05	0.01	0.65	-0.2	42	9.48	23.3	0.481	0.21	-0.005	0.4	-0.01	-0.01
CK-A-41	-1	-0.1	5,040	1,300	48	6,830	1,980	1,570	4	3.2	0.56	1.3	133	452	0.721	0.7	0.7	4.7	0.05	0.01	0.33	-0.2	57	5.77	15.6	0.237	0.07	-0.005	0.1	-0.01	-0.01
CK-A-42	-1	-0.1	4,710	1,770	127	7,920	2,590	2,620	5	3.9	1.10	1.3	26.3	149	0.215	0.4	0.7	9.3	0.04	-0.01	0.26	0.2	45	6.60	18.3	0.209	0.06	-0.005	-0.1	-0.01	-0.01
CK-A-43	-1	-0.1	6,630	2,740	48	7,630	2,580	5,050	5	3.9	1.22	1.5	203	758	1.01	0.4	1.5	6.0	0.06	-0.01	0.55	-0.2	50	7.06	26.0	0.128	0.06	-0.005	-0.1	-0.01	-0.01
CK-A-44	-1	-0.1	4,690	1,790	65	7,780	2,370	2,960	5	3.9	0.70	1.5	98.8	443	0.619	0.3	0.7	1.9	0.05	-0.01	0.35	-0.2	43	5.99	19.5	0.159	0.09	-0.005	-0.1	-0.01	-0.01
CK-A-45	-1	-0.1	4,440	1,270	40	7,170	1,630	1,850	5	3.2	0.51	1.1	116	920	0.478	-0.3	0.3	1.1	0.05	-0.01	0.45	-0.2	40	4.98	17.6	0.134	0.06	-0.005	-0.1	-0.01	-0.01
CK-A-46	-1	-0.1	3,510	915	36	6,570	1,830	918	4	2.9	0.51	1.4	12.7	138	0.130	-0.3	0.4	1.3	0.02	-0.01	0.21	-0.2	35	5.00	10.8	0.097	0.03	-0.005	-0.1	-0.01	-0.01
CK-A-47	-1	-0.1	2,430	755	40	5,130	1,690	841	4	2.8	0.38	0.8	6.7	140	0.075	-0.3	0.3	0.9	0.01	-0.01	0.18	-0.2	38	5.60	11.9	0.140	0.04	-0.005	-0.1	-0.01	-0.01
CK-A-48	-1	-0.1	3,490	1,200	20	6,840	1,370	1,860	6	3.4	0.31	1.1	50.6	225	0.358	-0.3	0.4	0.7	0.01	-0.01	0.18	-0.2	31	4.34	15.2	0.102	0.03	-0.005	-0.1	-0.01	-0.01
CK-A-49	-1	-0.1	4,160	2,350	100	10,100	1,570	3,540	8	4.8	0.46	1.2	70.5	463	0.688	0.5	1.9	2.4	0.03	-0.01	0.21	-0.2	34	5.13	22.7	0.090	0.02	-0.005	-0.1	-0.01	-0.01
CK-A-50	-1	-0.1	3,970	1,770	49	8,260	1,330	2,980	6	4.2	0.58	1.1	68.5	437	0.429	0.4	0.4	1.4	0.03	-0.01	0.23	-0.2	39	4.44	20.8	0.122	0.05	-0.005	-0.1	-0.01	-0.01
CK-A-51	-1	-0.1	3,570	1,530	43	7,440	1,320	2,550	6	3.7	0.47	1.1	33.7	430	0.224	0.6	0.5	1.3	0.02	-0.01	0.26	-0.2	39	4.47	18.9	0.121	0.05	-0.005	-0.1	-0.01	-0.01
CK-A-52	-1	-0.1	2,620	751	32	4,890	848	894	3	2.2	0.17	0.9	23.8	392	0.116	-0.3	0.3	1.6	0.02	-0.01	0.31	-0.2	38	3.29	11.9	0.068	0.06	-0.005	-0.1	-0.01	-0.01
CK-A-53	-1	-0.1	2,690	1,200	68	5,990	1,150	1,490	4	3.2	0.55	1.0	53.1	662	0.279	0.3	3.5	2.2	0.03	0.01	0.35	-0.2	42	3.98	15.0	0.132	0.08	-0.005	-0.1	-0.01	-0.01

Geochemical Grade Assay of Stream Water collected in Lomba Grande District

Sample ID:	Ag	Cd	In	Sn	Sb	Te	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Pt
CK-A-01	-0.2	0.07	-0.001	33.9	0.39	-0.01	8	0.028	57.4	0.935	1.11	0.248	0.937	0.359	0.033	0.283	0.039	0.142	0.026	0.068	0.007	0.045	0.007	0.008	-0.001	0.08	-0.001	-0.002	-0.01
CK-A-02	-0.2	0.09	-0.001	-0.1	0.07	-0.01	13	0.038	43.0	0.278	0.718	0.083	0.333	0.092	0.024	0.084	0.009	0.043	0.008	0.021	0.003	0.022	0.005	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-03	-0.2	0.05	-0.001	-0.1	0.10	-0.01	7	0.032	44.9	0.279	0.660	0.078	0.330	0.105	0.032	0.099	0.012	0.052	0.011	0.030	0.004	0.032	0.005	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-04	-0.2	0.03	-0.001	-0.1	0.12	0.01	10	0.035	47.8	0.133	0.314	0.039	0.173	0.052	0.023	0.050	0.007	0.033	0.007	0.019	0.002	0.017	0.003	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-05	-0.2	0.02	-0.001	-0.1	0.03	0.02	12	0.034	55.8	0.162	0.422	0.050	0.219	0.068	0.026	0.074	0.008	0.039	0.007	0.022	0.003	0.023	0.003	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-06	-0.2	0.08	-0.001	-0.1	0.04	-0.01	12	0.121	43.6	0.539	1.26	0.149	0.549	0.169	0.040	0.147	0.019	0.077	0.016	0.046	0.006	0.040	0.006	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-07	-0.2	0.02	-0.001	-0.1	0.04	0.02	11	0.048	53.8	0.073	0.192	0.023	0.109	0.038	0.014	0.039	0.005	0.031	0.006	0.021	0.003	0.022	0.003	0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-08	-0.2	0.01	-0.001	-0.1	0.07	-0.01	19	0.026	26.9	0.131	0.285	0.039	0.153	0.047	0.016	0.042	0.007	0.029	0.005	0.016	0.003	0.017	0.003	0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-09	-0.2	0.03	-0.001	-0.1	0.05	-0.01	7	0.055	40.3	0.108	0.264	0.030	0.121	0.041	0.016	0.042	0.007	0.026	0.006	0.017	0.002	0.017	0.003	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-10	-0.2	0.02	-0.001	-0.1	0.05	-0.01	7	0.131	51.9	0.203	0.484	0.060	0.263	0.075	0.028	0.088	0.015	0.103	0.027	0.075	0.009	0.078	0.010	0.014	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-11	-0.2	0.01	-0.001	-0.1	0.04	-0.01	5	0.114	36.6	0.080	0.178	0.025	0.106	0.044	0.017	0.055	0.010	0.052	0.010	0.030	0.004	0.032	0.005	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-12	-0.2	0.02	-0.001	-0.1	0.05	-0.01	3	0.050	25.5	0.131	0.351	0.045	0.182	0.050	0.015	0.047	0.006	0.026	0.005	0.016	0.003	0.018	0.003	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-13	-0.2	-0.01	-0.001	-0.1	0.05	-0.01	3	0.041	28.2	0.084	0.212	0.026	0.104	0.031	0.011	0.032	0.005	0.017	0.004	0.013	0.002	0.013	0.002	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-14	-0.2	0.02	-0.001	-0.1	0.07	0.02	8	0.043	41.7	0.164	0.398	0.048	0.186	0.056	0.023	0.050	0.007	0.036	0.007	0.021	0.002	0.016	0.003	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-15	-0.2	0.02	-0.001	-0.1	0.08	-0.01	7	0.032	76.6	0.075	0.202	0.022	0.094	0.033	0.022	0.041	0.005	0.025	0.005	0.017	0.002	0.012	0.002	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-16	-0.2	0.01	-0.001	-0.1	0.07	-0.01	10	0.027	39.1	0.106	0.275	0.029	0.112	0.032	0.014	0.034	0.004	0.018	0.004	0.011	0.002	0.010	0.002	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-17	-0.2	0.01	-0.001	-0.1	0.07	-0.01	7	0.028	50.3	0.120	0.299	0.032	0.137	0.043	0.017	0.038	0.006	0.025	0.005	0.012	0.002	0.016	0.002	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-18	-0.2	0.01	-0.001	0.1	0.09	-0.01	8	0.025	41.0	0.171	0.385	0.047	0.200	0.064	0.021	0.062	0.009	0.035	0.008	0.024	0.003	0.020	0.003	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-19	-0.2	0.02	-0.001	-0.1	0.08	-0.01	6	0.034	42.1	0.136	0.352	0.039	0.172	0.060	0.023	0.063	0.009	0.040	0.009	0.022	0.003	0.025	0.003	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-20	-0.2	0.01	-0.001	-0.1	0.09	-0.01	5	0.019	59.6	0.084	0.220	0.029	0.108	0.038	0.021	0.038	0.004	0.024	0.005	0.015	0.002	0.015	0.003	-0.002	-0.001	-0.02	-0.001	-0.200	-0.01
CK-A-21	-0.2	0.01	-0.001	-0.1	0.07	-0.01	3	0.020	43.0	0.121	0.294	0.037	0.170	0.062	0.019	0.053	0.006	0.031	0.006	0.017	0.002	0.019	0.003	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-22	-0.2	0.03	-0.001	-0.1	0.07	0.01	5	0.042	61.2	0.215	0.561	0.067	0.289	0.100	0.037	0.098	0.012	0.059	0.012	0.031	0.004	0.032	0.005	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-23	-0.2	0.04	-0.001	-0.1	0.09	0.03	8	0.043	49.7	0.454	1.14	0.134	0.548	0.178	0.052	0.177	0.019	0.092	0.018	0.053	0.006	0.047	0.006	0.012	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-24	-0.2	0.02	-0.001	-0.1	0.07	-0.01	6	0.048	52.1	0.141	0.373	0.043	0.171	0.058	0.022	0.057	0.008	0.038	0.008	0.021	0.003	0.023	0.003	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-25	-0.2	0.03	-0.001	-0.1	0.06	-0.01	4	0.032	30.6	0.099	0.260	0.029	0.121	0.047	0.021	0.049	0.008	0.043	0.008	0.024	0.003	0.022	0.004	0.009	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-26	-0.2	0.02	-0.001	-0.1	0.07	-0.01	4	0.054	47.1	0.410	1.00	0.120	0.512	0.166	0.048	0.157	0.021	0.108	0.019	0.054	0.007	0.051	0.007	0.007	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-27	-0.2	0.02	-0.001	-0.1	0.10	-0.01	4	0.062	35.3	0.121	0.305	0.042	0.175	0.068	0.028	0.077	0.012	0.065	0.012	0.040	0.005	0.037	0.006	0.007	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-28	-0.2	0.02	0.001	-0.1	0.06	0.02	4	0.116	47.4	0.974	2.24	0.261	0.956	0.267	-0.068	0.237	0.029	0.129	0.023	0.063	0.007	0.055	0.008	0.011	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-29	-0.2	0.01	-0.001	-0.1	0.06	-0.01	6	0.063	43.2	0.533	1.35	0.151	0.585	0.189	0.050	0.181	0.022	0.101	0.020	0.052	0.006	0.044	0.008	0.007	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-30	-0.2	0.03	-0.001	-0.1	0.07	-0.01	6	0.072	51.4	0.199	0.508	0.059	0.265	0.094	0.034	0.090	0.012	0.061	0.012	0.031	0.004	0.036	0.005	0.008	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-31	-0.2	0.02	-0.001	-0.1	0.06	-0.01	5	0.078	51.7	0.221	0.558	0.062	0.250	0.079	0.030	0.083	0.010	0.045	0.010	0.027	0.003	0.027	0.004	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-32	-0.2	0.02	-0.001	-0.1	0.05	-0.01	3	0.070	58.7	0.120	0.350	0.039	0.162	0.056	0.026	0.062	0.008	0.042	0.007	0.023	0.003	0.020	0.003	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-33	-0.2	0.01	-0.001	-0.1	0.05	-0.01	7	0.060	31.2	0.455	1.05	0.130	0.517	0.143	0.037	0.130	0.015	0.059	0.012	0.030	0.003	0.031	0.005	0.007	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-34	-0.2	0.01	-0.001	-0.1	0.06	0.01	4	0.038	41.2	0.130	0.371	0.040	0.160	0.060	0.020	0.056	0.007	0.033	0.006	0.022	0.002	0.023	0.004	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-35	-0.2	-0.01	-0.001	-0.1	0.09	-0.01	4	0.069	31.4	0.472	1.01	0.127	0.503	0.146	0.039	0.126	0.015	0.063	0.011	0.034	0.004	0.028	0.004	0.007	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-36	-0.2	0.01	-0.001	-0.1	0.07	-0.01	5	0.063	56.2	0.254	0.701	0.080	0.330	0.096	0.034	0.094	0.011	0.053	0.010	0.033	0.004	0.034	0.005	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-37	-0.2	0.01	-0.001	-0.1	0.04	-0.01	7	0.030	37.4	0.124	0.313	0.037	0.156	0.040	0.019	0.049	0.007	0.028	0.005	0.017	0.002	0.017	0.003	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-38	-0.2	0.01	-0.001	-0.1	0.04	-0.01	9	0.038	39.3	0.112	0.286	0.033	0.130	0.042	0.018	0.051	0.006	0.028	0.006	0.019	0.002	0.017	0.002	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-39	-0.2	0.01	-0.001	-0.1	0.04	0.02	8	0.045	50.2	0.285	0.695	0.085	0.344	0.104	0.033	0.096	0.012	0.054	0.009	0.029	0.003	0.029	0.004	0.005	-0.001	-0.02	-0.001	-0.690	-0.01
CK-A-40	-0.2	0.02	-0.001	-0.1	10.56	-0.01	6	0.113	82.2	0.397	1.07	0.120	0.507	0.157	0.048	0.147	0.016	0.075	0.015	0.042	0.006	0.040	0.006	0.008	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-41	-0.2	0.02	-0.001	-0.1	0.07	-0.01	6	0.045	50.7	0.098	0.239	0.034	0.142	0.041	0.022	0.046	0.006	0.029	0.007	0.020	0.002	0.022	0.003	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-42	-0.2	0.02	-0.001	-0.1	0.04	0.01	5	0.041	42.3	0.088	0.206	0.024	0.094	0.034	0.017	0.040	0.007	0.029	0.006	0.016	0.002	0.020	0.003	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-43	-0.2	-0.01	-0.001	-0.1	0.04	0.01	11	0.038	47.9	0.122	0.315	0.033	0.125	0.035	0.020	0.038	0.005	0.021	0.004	0.014	0.002	0.013	0.002	0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-44	-0.2	0.01	-0.001	-0.1	0.04	-0.01	6	0.052	44.4	0.080	0.216	0.022	0.101	0.030	0.014	0.034	0.005	0.020	0.005	0.015	0.002	0.015	0.003	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-45	-0.2	0.01	-0.001	-0.1	0.03	-0.01	7	0.025	33.9	0.085	0.242	0.026	0.105	0.031	0.014	0.035	0.004	0.023	0.004	0.015	0.001	0.011	0.002	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-46	-0.2	0.01	-0.001	-0.1	0.06	0.02	4	0.040	23.5	0.051	0.119	0.016	0.059	0.023	0.010	0.023	0.003	0.014	0.003	0.010	0.001	0.010	0.002	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-47	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	4	0.045	30.1	0.073	0.176	0.023	0.100	0.032	0.013	0.036	0.005	0.022	0.004	0.013	0.002	0.012	0.002	0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-48	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	7	0.017	36.8	0.050	0.143	0.015	0.061	0.022	0.013	0.023	0.004	0.017	0.003	0.008	-0.001	0.010	0.002	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-49	-0.2	0.01	-0.001	-0.1	0.05	-0.01	7	0.049	43.2	0.060	0.180	0.017	0.063	0.020	0.013	0.025	0.004	0.016	0.003	0.008	0.001	0.012	0.002	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-50	-0.2	0.01	-0.001	-0.1	0.02	-0.01	7	0.050	31.9	0.119	0.307	0.032	0.126	0.039	0.013	0.033	0.004	0.022	0.004	0.012	0.001	0.011	0.002	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-51	-0.2	0.01	-0.001	-0.1	0.02	-0.01	7	0.037	29.3	0.100	0.254	0.029	0.114	0.025	0.011	0.037	0.004	0.016	0.004	0.013	0.001	0.011	0.002	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-52	-0.2	0.01	-0.001	-0.1	0.03	-0.01	4	0.047	22.5	0.049	0.124	0.016	0.065	0.015	0.008	0.017	0.002	0.010	0.002	0.005	-0.001	0.008	0.002	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-53	-0.2	0.01	-0.001	-0.1	0.02	-0.01	7	0.060	26.7	0.141	0.379	0.038	0.174	0.049	0.014	0.042	0.005	0.022	0.005	0.015	0.001	0.016	0.002	0.002	-0.001	-0.02	-0.001	-0.002	-0.01

Geochemical Grade Assay of Stream Water collected in Lomba Grande District

Sample ID:	Au	Hg	Tl	Pb	Bi	Th	U	SO₄
CK-A-01	-0.002	-0.2	0.029	44.5	0.01	0.057	0.040	13.6
CK-A-02	-0.002	-0.2	0.015	0.8	0.01	0.046	0.023	9.47
CK-A-03	-0.002	-0.2	0.020	1.0	0.01	0.039	0.024	15.7
CK-A-04	-0.002	-0.2	0.023	0.3	0.01	0.024	0.014	15.4
CK-A-05	-0.002	-0.2	0.032	0.6	-0.01	0.033	0.013	14.5
CK-A-06	-0.002	-0.2	0.042	3.9	-0.01	0.029	0.025	26.0
CK-A-07	-0.002	-0.2	0.036	0.7	0.01	0.016	0.012	17.9
CK-A-08	-0.002	-0.2	0.014	0.3	-0.01	0.018	0.022	51.6
CK-A-09	-0.002	-0.2	0.019	0.5	-0.01	0.017	0.013	17.6
CK-A-10	-0.002	-0.2	0.061	0.4	0.02	0.014	0.020	10.5
CK-A-11	-0.002	-0.2	0.032	0.2	-0.01	0.009	0.010	12.1
CK-A-12	-0.002	-0.2	0.021	0.3	-0.01	0.015	0.013	14.1
CK-A-13	-0.002	-0.2	0.019	0.2	-0.01	0.011	0.010	15.3
CK-A-14	-0.002	-0.2	0.017	0.3	-0.01	0.026	0.016	14.7
CK-A-15	-0.002	-0.2	0.028	0.3	-0.01	0.021	0.010	16.6
CK-A-16	-0.002	-0.2	0.008	0.2	-0.01	0.017	0.011	11.1
CK-A-17	-0.002	-0.2	0.016	0.2	-0.01	0.020	0.012	18.1
CK-A-18	-0.002	-0.2	0.017	0.4	-0.01	0.027	0.015	15.9
CK-A-19	-0.002	-0.2	0.028	0.3	-0.01	0.022	0.014	18.0
CK-A-20	-0.002	-0.2	0.016	0.2	-0.01	0.020	0.018	17.6
CK-A-21	-0.002	-0.2	0.016	0.4	-0.01	0.019	0.014	15.5
CK-A-22	-0.002	-0.2	0.026	0.4	-0.01	0.039	0.027	15.0
CK-A-23	-0.002	-0.2	0.023	1.1	-0.01	0.072	0.043	13.5
CK-A-24	-0.002	-0.2	0.029	0.4	-0.01	0.038	0.017	15.7
CK-A-25	-0.002	-0.2	0.017	0.3	-0.01	0.027	0.021	18.5
CK-A-26	-0.002	-0.2	0.030	0.8	-0.01	0.047	0.034	11.5
CK-A-27	-0.002	-0.2	0.027	0.3	0.01	0.012	0.020	14.1
CK-A-28	-0.002	-0.2	0.039	1.0	-0.01	0.041	0.081	12.4
CK-A-29	-0.002	-0.2	0.033	1.0	-0.01	0.058	0.046	13.2
CK-A-30	-0.002	-0.2	0.028	0.4	-0.01	0.033	0.020	16.6
CK-A-31	-0.002	-0.2	0.036	0.5	-0.01	0.026	0.018	13.4
CK-A-32	-0.002	-0.2	0.044	0.3	-0.01	0.014	0.017	13.7
CK-A-33	-0.002	-0.2	0.017	0.6	-0.01	0.059	0.039	8.73
CK-A-34	-0.002	-0.2	0.024	0.3	-0.01	0.024	0.014	19.8
CK-A-35	-0.002	-0.2	0.017	0.6	0.01	0.044	0.039	9.16
CK-A-36	-0.002	-0.2	0.028	0.4	-0.01	0.042	0.024	18.7
CK-A-37	-0.002	-0.2	0.016	0.2	-0.01	0.024	0.013	15.8
CK-A-38	-0.002	-0.2	0.021	0.3	-0.01	0.023	0.015	16.9
CK-A-39	-0.002	-0.2	0.023	0.5	-0.01	0.037	0.026	13.9
CK-A-40	-0.002	-0.2	0.039	0.5	0.01	0.050	0.041	14.6
CK-A-41	-0.002	-0.2	0.028	0.3	0.01	0.019	0.009	14.8
CK-A-42	-0.002	-0.2	0.020	0.3	-0.01	0.012	0.010	15.6
CK-A-43	-0.002	-0.2	0.021	0.4	-0.01	0.018	0.017	17.0
CK-A-44	-0.002	-0.2	0.022	0.2	-0.01	0.017	0.010	17.2
CK-A-45	-0.002	-0.2	0.011	0.2	-0.01	0.023	0.010	13.7
CK-A-46	-0.002	-0.2	0.009	0.3	-0.01	0.010	0.006	15.1
CK-A-47	-0.002	-0.2	0.014	0.3	-0.01	0.014	0.011	13.8
CK-A-48	-0.002	-0.2	0.013	0.2	-0.01	0.013	0.005	16.5
CK-A-49	-0.002	-0.2	0.020	0.2	-0.01	0.011	0.008	9.93
CK-A-50	-0.002	-0.2	0.014	0.2	-0.01	0.019	0.007	11.8
CK-A-51	-0.002	-0.2	0.014	0.2	-0.01	0.017	0.007	11.3
CK-A-52	-0.002	-0.2	0.009	0.2	-0.01	0.014	0.005	11.1
CK-A-53	-0.002	-0.2	0.020	0.3	-0.01	0.024	0.012	9.76

Sample ID:	Li	Be	Na	Mg	Al	Si	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Rb	Sr	Y	Zr	Nb	Mo	Ru	Pd
CK-A-54	-1	-0.1	3,040	1,430	69	6,740	1,280	1,900	5	4.4	0.63	1.0	60.8	651	0.375	0.3	3.1	1.4	0.03	-0.01	0.31	-0.2	47	4.39	17.0	0.128	0.09	-0.005	-0.1	-0.01	-0.01
CK-A-55	-1	-0.1	3,030	1,150	55	5,190	1,070	1,250	4	3.0	0.50	0.9	30.5	183	0.399	-0.3	0.3	1.5	0.03	-0.01	0.18	-0.2	35	3.08	14.0	0.165	0.05	-0.005	-0.1	-0.01	-0.01
CK-A-56	-1	-0.1	2,230	748	79	3,520	1,400	645	3	3.0	0.45	1.0	30.5	486	0.217	-0.3	0.3	1.1	0.03	-0.01	0.45	-0.2	42	4.08	10.8	0.179	0.12	-0.005	-0.1	-0.01	-0.01
CK-A-57	-1	-0.1	2,660	1,050	97	3,540	2,330	1,270	3	3.2	0.66	1.1	70.9	744	0.421	-0.3	0.5	1.3	0.05	-0.01	0.49	-0.2	41	5.71	14.3	0.184	0.12	0.006	-0.1	-0.01	-0.01
CK-A-58	-1	-0.1	2,060	704	87	3,530	1,280	599	3	2.8	0.49	0.9	18.3	511	0.127	-0.3	0.5	2.6	0.03	-0.01	0.34	-0.2	38	3.67	9.89	0.149	0.09	-0.005	-0.1	-0.01	-0.01
CK-A-59	-1	-0.1	2,260	1,010	66	3,170	1,400	1,140	3	2.3	0.47	0.9	31.9	696	0.177	-0.3	1.4	2.7	0.03	-0.01	0.37	-0.2	39	3.96	14.2	0.141	0.08	-0.005	-0.1	-0.01	-0.01
CK-A-60	-1	-0.1	2,190	918	73	3,420	1,370	969	3	2.5	0.52	1.1	31.8	650	0.198	-0.3	0.4	1.8	0.03	-0.01	0.38	-0.2	39	3.96	12.7	0.152	0.09	-0.005	-0.1	-0.01	-0.01
CK-A-61	-1	-0.1	2,290	847	85	3,370	1,370	927	3	2.5	0.60	1.0	23.8	623	0.178	-0.3	0.5	1.6	0.03	-0.01	0.38	-0.2	38	4.17	12.8	0.156	0.09	-0.005	-0.1	-0.01	-0.01
CK-A-62	-1	-0.1	2,050	669	79	3,570	1,200	563	3	2.8	0.39	0.8	27.4	294	0.184	-0.3	0.4	1.6	0.03	0.01	0.27	-0.2	32	4.43	11.5	0.163	0.08	-0.005	-0.1	-0.01	-0.01
CK-A-63	-1	-0.1	2,030	769	98	4,470	1,080	352	3	3.6	0.58	0.9	10.4	170	0.101	0.5	0.5	1.1	0.03	-0.01	0.20	-0.2	32	4.38	12.2	0.203	0.10	0.005	-0.1	-0.01	-0.01
CK-A-64	-1	-0.1	1,970	648	66	3,660	1,220	401	3	2.4	0.40	0.9	30.6	253	0.169	-0.3	0.3	0.5	0.02	-0.01	0.20	-0.2	31	4.54	11.0	0.220	0.07	-0.005	-0.1	-0.01	-0.01
CK-A-65	-1	-0.1	2,020	630	50	3,190	1,030	226	3	2.3	0.23	0.8	9.1	53	0.072	0.6	0.9	3.3	0.02	-0.01	0.08	-0.2	29	3.05	9.88	0.363	0.04	-0.005	-0.1	-0.01	-0.01
CK-A-66	-1	-0.1	1,850	537	43	3,710	1,090	106	3	2.2	0.23	0.8	10.5	95	0.079	-0.3	1.0	4.4	0.01	-0.01	0.12	-0.2	29	3.97	8.61	0.236	0.09	-0.005	-0.1	-0.01	-0.01
CK-A-67	-1	-0.1	2,280	661	57	3,760	1,330	464	3	2.4	0.40	0.9	37.1	269	0.210	-0.3	0.6	0.8	0.02	0.01	0.26	-0.2	37	4.54	10.4	0.171	0.08	-0.005	-0.1	-0.01	-0.01
CK-A-68	-1	-0.1	2,300	658	62	4,830	1,560	486	3	2.5	0.41	0.8	23.1	261	0.160	-0.3	0.5	1.6	0.02	-0.01	0.28	-0.2	37	5.38	10.8	0.211	0.07	-0.005	-0.1	-0.01	-0.01
CK-A-69	-1	-0.1	2,300	565	87	6,110	1,980	164	4	3.3	0.58	1.1	7.8	67	0.095	-0.3	0.5	1.7	0.03	-0.01	0.09	-0.2	26	6.71	9.65	0.319	0.04	-0.005	-0.1	-0.01	-0.01
CK-A-70	-1	-0.1	3,460	765	81	6,840	1,580	1,170	5	3.5	0.61	0.8	8.3	112	0.090	-0.3	0.4	1.1	0.02	-0.01	0.18	-0.2	32	5.04	12.1	0.178	0.06	-0.005	-0.1	-0.01	-0.01
CK-A-71	-1	-0.1	3,980	1,160	28	6,790	1,280	1,920	4	3.3	0.17	0.8	122	394	0.352	-0.3	1.2	2.6	0.04	-0.01	0.31	-0.2	37	3.78	18.2	0.092	0.05	-0.005	-0.1	-0.01	-0.01
CK-A-72	1	-0.1	4,830	1,090	66	10,300	2,380	2,300	7	5.0	0.58	1.3	102	404	0.437	0.4	0.3	2.4	0.05	0.02	0.35	-0.2	34	6.15	16.0	0.122	0.05	-0.005	-0.1	-0.01	-0.01
CK-A-73	1	-0.1	5,120	2,020	63	7,230	1,700	3,360	5	3.4	0.44	1.0	87.1	878	0.469	0.5	0.5	1.7	0.05	-0.01	0.52	-0.2	59	3.86	30.6	0.195	0.09	-0.005	-0.1	-0.01	-0.01
CK-A-74	1	-0.1	4,960	1,570	89	9,060	1,870	3,910	6	4.4	0.58	1.3	178	812	0.385	0.4	0.5	1.6	0.07	0.01	0.45	-0.2	51	5.54	25.3	0.201	0.09	-0.005	-0.1	-0.01	-0.01
CK-A-75	1	0.1	5,390	1,050	65	10,200	2,270	1,200	6	4.5	0.89	0.9	23.7	237	0.290	0.5	0.8	2.4	0.03	-0.01	0.21	-0.2	39	5.90	15.1	0.164	0.04	-0.005	-0.1	-0.01	-0.01
CK-A-76	1	-0.1	6,290	2,020	69	9,260	2,680	6,230	6	4.9	0.64	0.9	127	539	0.454	0.3	1.3	1.3	0.05	-0.01	0.38	-0.2	44	5.29	30.0	0.191	0.06	-0.005	-0.1	-0.01	-0.01
CK-A-77	-1	0.1	5,290	1,070	28	9,170	1,330	1,750	6	3.9	1.21	1.0	11.9	63	0.098	0.3	0.5	1.3	0.01	0.01	0.22	-0.2	43	3.44	14.9	0.161	0.06	-0.005	-0.1	-0.01	-0.01
CK-A-78	-1	-0.1	5,420	1,430	39	9,030	1,560	3,770	6	3.8	0.56	0.9	192	316	0.478	0.4	0.4	1.2	0.06	-0.01	0.38	-0.2	45	4.08	23.6	0.134	0.06	0.020	-0.1	-0.01	-0.01
CK-A-79	1	-0.1	5,810	1,380	80	10,200	2,220	3,340	7	4.9	0.63	1.1	116	696	0.444	0.4	1.6	1.7	0.06	0.02	0.40	-0.2	45	5.53	22.1	0.197	0.36	0.006	-0.1	-0.01	-0.01
CK-A-80	1	-0.1	6,270	2,080	47	9,180	1,810	5,640	6	4.8	0.62	1.3	110	619	0.318	0.4	0.4	1.1	0.05	-0.01	0.43	-0.2	46	3.82	29.6	0.158	0.07	-0.005	-0.1	-0.01	-0.01
CK-A-81	1	-0.1	5,670	1,700	32	8,660	2,060	3,080	6	4.0	0.67	0.9	60.1	188	0.238	0.4	1.7	2.2	0.03	-0.01	0.25	-0.2	39	5.78	24.1	0.112	0.03	-0.005	-0.1	-0.01	-0.01
CK-A-82	-1	-0.1	2,470	718	106	5,150	1,590	733	3	2.8	0.63	1.0	92.3	564	0.431	0.4	1.3	2.7	0.05	-0.01	0.32	-0.2	39	5.33	12.2	0.277	0.09	-0.005	-0.1	-0.01	-0.01
CK-A-83	1	-0.1	5,110	1,480	58	9,240	1,870	4,480	7	5.3	0.56	1.2	99.0	603	0.320	0.4	1.1	2.0	0.04	0.01	0.42	-0.2	42	4.81	24.6	0.165	0.07	0.006	-0.1	-0.01	-0.01
CK-A-84	1	-0.1	5,740	1,930	46	9,220	1,840	4,160	7	4.5	0.60	1.0	132	572	0.415	0.4	0.6	1.5	0.04	-0.01	0.42	-0.2	44	5.04	27.2	0.155	0.05	-0.005	-0.1	-0.01	-0.01
CK-A-85	-1	-0.1	3,680	1,020	48	7,240	2,440	1,670	5	3.4	0.68	1.0	12.6	41	0.100	0.4	1.0	4.0	0.01	-0.01	0.15	-0.2	36	8.61	16.2	0.176	0.03	-0.005	-0.1	-0.01	-0.01
CK-A-86	-1	-0.1	3,600	1,260	55	6,250	1,510	3,730	5	3.4	0.75	1.0	15.8	119	0.107	-0.3	0.3	1.0	0.02	-0.01	0.25	-0.2	43	4.01	18.0	0.165	0.07	-0.005	-0.1	-0.01	-0.01
CK-A-87	-1	-0.1	4,270	1,730	78	9,760	1,740	2,280	7	5.3	0.75	2.2	26.2	294	0.213	0.8	0.4	1.1	0.03	-0.01	0.20	-0.2	39	5.05	16.4	0.217	0.08	-0.005	-0.1	-0.01	-0.01
CK-A-88	-1	-0.1	3,040	726	51	6,950	2,270	579	5	3.8	0.57	0.9	20.5	180	0.261	0.4	0.4	1.8	0.02	-0.01	0.20	-0.2	36	7.00	10.7	0.221	0.06	0.006	-0.1	-0.01	-0.01
CK-A-89	1	-0.1	4,650	1,050	153	10,100	2,430	1,600	7	6.2	1.00	1.0	38.5	529	0.453	0.5	1.0	2.3	0.05	0.01	0.44	-0.2	42	7.52	17.9	0.451	0.15	0.007	-0.1	-0.01	-0.01
CK-A-90	1	-0.1	30,200	1,080	126	9,160	12,400	1,850	6	125	0.75	1.3	44.8	414	0.404	-0.3	2.6	6.7	0.17	-0.01	0.40	-0.2	45	5.28	18.5	0.227	0.12	0.018	0.1	-0.01	-0.01
CK-A-92	-1	-0.1	5,180	1,580	89	8,470	2,010	3,350	6	7.5	0.66	0.9	93.4	910	0.602	0.5	0.6	1.6	0.05	-0.01	0.65	-0.2	52	6.33	23.4	0.283	0.16	0.007	-0.1	-0.01	-0.01
CK-A-93	-1	-0.1	3,740	1,030	68	7,430	1,350	1,420	5	4.8	0.54	0.9	62.8	493	0.446	0.4	0.5	2.4	0.04	-0.01	0.38	-0.2	39	4.32	15.8	0.234	0.10	-0.005	-0.1	-0.01	-0.01
CK-A-94	-1	-0.1	6,950	2,230	142	2,800	2,370	4,050	3	5.0	1.33	0.9	69.5	1,250	0.491	0.6	1.2	2.7	0.06	0.01	1.07	-0.2	56	5.67	32.5	0.392	0.31	0.008	-0.1	-0.01	-0.01
CK-A-95	-1	-0.1	5,120	2,150	186	4,700	2,140	3,900	4	8.0	1.50	1.1	38.3	1,040	0.424	0.7	1.3	2.3	0.07	-0.01	0.90	-0.2	52	4.24	30.8	0.453	0.40	0.014	-0.1	-0.01	-0.01
CK-A-96	-1	-0.1	4,140	1,540	88	2,870	696	2,040	3	3.3	0.64	0.9	105	1,370	0.463	-0.3	0.5	11.9	0.05	-0.01	0.59	-0.2	71	1.95	24.1	0.272	0.19	0.005	-0.1	-0.01	-0.01
CK-A-100	-1	-0.1	2,160	493	134	2,940	883	468	3	3.7	0.51	0.9	41.3	359	0.212	0.4	0.7	2.3	0.04	-0.01	0.28	-0.2	23	2.91	7.83	0.237	0.22	0.009	-0.1	-0.01	-0.01
CK-A-101	-1	-0.1	1,930	384	111	2,550	476	-50	2	2.7	0.51	0.7	32.3	201	0.227	0.4	0.7	2.8	0.03	-0.01	0.21	-0.2	25	1.99	5.99	0.273	0.23	-0.005	-0.1	-0.01	-0.01
CK-A-102	-1	-0.1	3,290	1,770	339	7,460	960	2,870	6	12.2	2.24	1.3	34.0	579	0.412	0.6	1.1	4.3	0.10	0.01	0.16	-0.2	28	3.45	18.0	0.507	0.34	0.018	-0.1	-0.01	-0.01
CK-A-103	-1	-0.1	3,400	1,620	345	7,660	833	2,480	6	11.1	2.23	1.5	23.4	453	0.381	0.5	1.5	6.2	0.09	0.01	0.14	-0.2	27	2.82	16.7	0.527	0.32	0.018	-0.1	-0.01	-0.01
CK-A-104	-1	-0.1	3,480	1,860	352	8,040	743	2,730	6	11.5	2.18	1.6	24.1	451	0.361	0.6	1.0	8.6	0.09	0.01	0.11	-0.2	26	2.51	19.3	0.566	0.37	0.018	-0.1	-0.01	-0.01
CK-A-105	-1	-0.1	2,600	868	68	1,870	256	309	2	1.7	0.25	0.9	34.9	153	0.179	-0.3	0.3	2.3	0.02	-0.01	0.22	-0.2	43	0.896	12.0	0.179	0.14	-0.005	-0.1	-0.01	-0.01
CK-A-106	1	-0.1	3,510	1,300	244	6,320	1,330	3,150	5	6.8	1.09	1.1	162	738	0.664	1.0	0.7	7.0	0.09	-0.01	0.49	-0.2	39	3.56	19.0	0.445	0.27	0.013	-0.1	-0.01	-0.01
CK-A-107	-1	-0.1	2,660	1,270	147	4,510	1,030	1,360	3	3.9	1.03	0.9	33.8	620	0.286	0.6	14.4	31.3	0.05	-0.01	0.39	-0.2	41	3.05	16.1	0.530	0.22	0.006	-0.1	-0.01	-0.01
CK-A-108	1	-0.1	3,810	1,050	145	7,380	1,370	2,420	6	5.4	1.02	1.2	82.7	495	0.481	0.7	9.3	6.1	0.06	-0.01	0.33	-0.2	31	3.81	16.0	0.335	0.15	0.009	-0.1	-0.01	-0.01
CK-A-109	2	0.1	4,340	1,080	302	7,830	1,900	2,290	6	8.9	1.13	1.3	72.0	506	0.502	0.8	5.2	3.9	0.10	-0.01	0.30	-0.2	33	4.58	16.5	0.544	0.31	0.019	-0.1	-0.01	-0.01
CK-A-110	2	0.1	5,680	1,010	294	9,710	1,990	1,450	7	9.9	1.54	1.4	47.7	333	0.638	0.8	1.0	3.2	0.10	0.01	0.27	-0.2	37	4.71	13.2	0.661	0.31	0.021	-0.1	-0.01	-0.01

Geochemical Grade Assay of Stream Water collected in Lomba Grande District

Sample ID:	Ag	Cd	In	Sn	Sb	Te	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Pt
CK-A-54	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	7	0.061	31.1	0.120	0.342	0.034	0.139	0.039	0.015	0.039	0.004	0.024	0.004	0.012	0.002	0.013	0.002	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-55	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	3	0.050	31.4	0.091	0.260	0.026	0.099	0.031	0.014	0.044	0.005	0.027	0.006	0.015	0.002	0.016	0.002	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-56	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	5	0.077	23.0	0.150	0.413	0.044	0.189	0.055	0.015	0.048	0.007	0.030	0.006	0.019	0.002	0.016	0.002	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-57	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	5	0.088	31.1	0.165	0.437	0.046	0.182	0.057	0.017	0.055	0.006	0.033	0.006	0.017	0.002	0.020	0.002	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-58	-0.2	-0.01	-0.001	-0.1	0.02	0.02	4	0.063	21.0	0.137	0.375	0.040	0.164	0.045	0.014	0.044	0.005	0.027	0.004	0.016	0.002	0.015	0.002	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-59	-0.2	0.01	-0.001	-0.1	0.02	-0.01	5	0.050	26.6	0.120	0.318	0.034	0.132	0.037	0.014	0.044	0.005	0.023	0.004	0.014	0.002	0.014	0.003	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-60	-0.2	0.01	-0.001	-0.1	0.04	-0.01	5	0.065	24.4	0.132	0.361	0.040	0.142	0.047	0.013	0.045	0.005	0.027	0.005	0.015	0.002	0.017	0.003	0.006	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-61	-0.2	-0.01	-0.001	-0.1	0.01	-0.01	5	0.055	24.1	0.141	0.414	0.042	0.151	0.044	0.013	0.045	0.005	0.031	0.005	0.014	-0.002	0.013	0.003	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-62	-0.2	-0.01	-0.001	-0.1	0.01	-0.01	3	0.062	28.5	0.104	0.263	0.029	0.129	0.033	0.014	0.041	0.005	0.030	0.006	0.017	0.002	0.021	0.003	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-63	-0.2	0.01	-0.001	-0.1	0.01	-0.01	2	0.082	30.5	0.146	0.376	0.045	0.189	0.057	0.022	0.061	0.008	0.033	0.007	0.021	0.003	0.018	0.003	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-64	-0.2	-0.01	-0.001	-0.1	-0.01	-0.01	3	0.065	29.1	0.092	0.253	0.030	0.122	0.045	0.015	0.049	0.006	0.034	0.006	0.021	0.003	0.024	0.003	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-65	-0.2	0.01	-0.001	-0.1	-0.01	-0.01	3	0.061	26.1	0.094	0.206	0.032	0.141	0.054	0.021	0.073	0.010	0.055	0.013	0.038	0.004	0.042	0.006	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-66	-0.2	0.01	-0.001	-0.1	0.02	-0.01	7	0.057	28.9	0.066	0.173	0.022	0.094	0.029	0.014	0.045	0.007	0.031	0.007	0.022	0.003	0.021	0.003	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-67	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	4	0.058	24.5	0.098	0.276	0.030	0.121	0.035	0.015	0.040	0.006	0.029	0.005	0.017	0.002	0.019	0.003	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-68	-0.2	-0.01	-0.001	-0.1	0.01	-0.01	4	0.046	26.7	0.106	0.284	0.030	0.138	0.038	0.016	0.041	0.006	0.034	0.006	0.021	0.002	0.019	0.003	0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-69	-0.2	0.01	-0.001	-0.1	-0.01	-0.01	3	0.088	32.8	0.131	0.293	0.038	0.185	0.054	0.020	0.066	0.011	0.053	0.011	0.032	0.004	0.036	0.006	0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-70	-0.2	0.01	-0.001	-0.1	0.05	-0.01	3	0.034	26.6	0.096	0.216	0.028	0.112	0.035	0.014	0.042	0.006	0.032	0.006	0.018	0.002	0.020	0.003	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-71	-0.2	0.03	-0.001	-0.1	0.01	-0.01	5	0.014	34.6	0.049	0.116	0.015	0.062	0.019	0.010	0.023	0.003	0.012	0.003	0.009	-0.001	0.008	0.002	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-72	-0.2	0.04	-0.001	-0.1	0.02	-0.01	7	0.035	43.0	0.095	0.252	0.026	0.112	0.032	0.014	0.035	0.004	0.022	0.004	0.012	0.001	0.012	0.003	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-73	-0.2	0.02	-0.001	0.4	0.02	-0.01	10	0.020	66.3	0.161	0.397	0.049	0.203	0.054	0.023	0.057	0.007	0.035	0.006	0.016	0.002	0.019	0.003	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-74	-0.2	0.02	-0.001	-0.1	0.02	-0.01	12	0.042	42.5	0.136	0.358	0.040	0.185	0.046	0.019	0.049	0.007	0.030	0.007	0.017	0.003	0.021	0.003	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-75	-0.2	0.02	-0.001	-0.1	0.01	-0.01	11	0.025	45.0	0.107	0.286	0.033	0.144	0.049	0.019	0.046	0.006	0.028	0.005	0.014	0.003	0.016	0.002	0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-76	-0.2	0.02	-0.001	-0.1	0.02	-0.01	9	0.021	66.1	0.106	0.285	0.034	0.135	0.043	0.022	0.043	0.006	0.032	0.006	0.015	0.002	0.013	0.002	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-77	-0.2	0.02	-0.001	-0.1	-0.01	-0.01	5	0.022	33.2	0.041	0.096	0.014	0.077	0.027	0.012	0.027	0.004	0.027	0.005	0.016	0.003	0.019	0.003	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-78	-0.2	0.01	-0.001	-0.1	-0.01	-0.01	10	0.013	47.0	0.054	0.131	0.017	0.076	0.023	0.012	0.029	0.004	0.018	0.004	0.010	0.001	0.014	0.002	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-79	-0.2	0.03	-0.001	-0.1	0.04	-0.01	9	0.032	51.8	0.149	0.375	0.044	0.169	0.055	0.020	0.052	0.007	0.029	0.005	0.018	0.002	0.017	0.003	0.010	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-80	-0.2	0.01	-0.001	-0.1	0.01	-0.01	9	0.022	56.9	0.096	0.242	0.028	0.129	0.045	0.019	0.045	0.005	0.027	0.005	0.012	0.002	0.015	0.002	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-81	-0.2	0.01	-0.001	-0.1	-0.01	-0.01	5	0.020	49.5	0.060	0.144	0.018	0.076	0.023	0.013	0.027	0.003	0.017	0.004	0.010	-0.001	0.009	0.001	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-82	-0.2	0.01	-0.001	-0.1	-0.01	-0.01	5	0.055	28.9	0.171	0.483	0.047	0.196	0.059	0.020	0.070	0.009	0.047	0.010	0.027	0.003	0.026	0.004	0.006	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-83	-0.2	0.02	-0.001	-0.1	0.03	-0.01	9	0.033	43.4	0.119	0.296	0.034	0.155	0.048	0.016	0.046	0.007	0.030	0.006	0.016	0.002	0.014	0.003	0.004	-0.001	0.09	-0.001	-0.002	-0.01
CK-A-84	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	6	0.018	51.6	0.102	0.254	0.029	0.119	0.037	0.018	0.039	0.005	0.029	0.004	0.012	0.002	0.016	0.002	0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-85	-0.2	0.03	-0.001	-0.1	0.02	-0.01	2	0.102	43.6	0.097	0.224	0.025	0.097	0.029	0.015	0.033	0.005	0.027	0.005	0.017	0.002	0.016	0.003	-0.002	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-86	-0.2	-0.01	-0.001	-0.1	0.07	-0.01	5	0.024	37.9	0.083	0.182	0.027	0.126	0.038	0.015	0.039	0.005	0.032	0.006	0.018	0.002	0.015	0.003	0.006	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-87	-0.2	0.01	-0.001	-0.1	0.02	-0.01	6	0.031	40.1	0.137	0.301	0.039	0.163	0.050	0.020	0.051	0.007	0.034	0.007	0.020	0.002	0.020	0.003	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-88	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	3	0.041	42.7	0.102	0.258	0.031	0.121	0.042	0.017	0.052	0.006	0.034	0.006	0.019	0.003	0.018	0.003	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-89	-0.2	0.01	-0.001	-0.1	0.03	-0.01	5	0.046	50.6	0.308	0.826	0.092	0.399	0.117	0.042	0.116	0.017	0.075	0.014	0.043	0.006	0.040	0.005	0.011	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-90	-0.2	0.02	-0.001	-0.1	0.06	-0.01	7	0.036	37.0	0.151	0.439	0.050	0.211	0.064	0.021	0.061	0.008	0.039	0.007	0.023	0.002	0.022	0.004	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-92	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	10	0.027	37.5	0.195	0.487	0.064	0.258	0.074	0.024	0.083	0.010	0.044	0.010	0.029	0.003	0.021	0.004	0.008	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-93	-0.2	0.01	-0.001	-0.1	0.03	-0.01	7	0.028	30.7	0.132	0.342	0.039	0.176	0.056	0.018	0.058	0.007	0.033	0.007	0.021	0.003	0.021	0.003	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-94	-0.2	0.02	-0.001	-0.1	0.05	-0.01	14	0.076	50.4	0.544	1.18	0.143	0.597	0.154	0.043	0.139	0.016	0.073	0.014	0.042	0.005	0.033	0.005	0.012	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-95	-0.2	0.01	-0.001	-0.1	0.06	-0.01	11	0.048	49.1	0.571	1.36	0.162	0.629	0.170	0.046	0.159	0.019	0.086	0.016	0.043	0.006	0.041	0.006	0.013	0.001	-0.02	-0.001	-0.002	-0.01
CK-A-96	-0.2	0.01	-0.001	-0.1	0.03	-0.01	21	0.023	27.4	0.258	0.731	0.088	0.369	0.109	0.028	0.100	0.011	0.049	0.009	0.028	0.004	0.025	0.005	0.008	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-100	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	6	0.031	18.7	0.146	0.419	0.044	0.201	0.055	0.017	0.055	0.008	0.041	0.008	0.027	0.003	0.024	0.004	0.011	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-101	-0.2	0.01	-0.001	-0.1	0.02	-0.01	6	0.038	13.2	0.135	0.402	0.047	0.213	0.064	0.016	0.060	0.009	0.046	0.009	0.026	0.004	0.031	0.004	0.008	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-102	-0.2	0.01	-0.001	-0.1	0.01	-0.01	5	0.049	25.1	0.425	0.989	0.125	0.500	0.137	0.041	0.140	0.019	0.100	0.019	0.053	0.007	0.053	0.008	0.012	0.001	-0.02	-0.001	-0.002	-0.01
CK-A-103	-0.2	0.01	-0.001	-0.1	0.01	-0.01	4	0.048	23.2	0.472	1.07	0.137	0.566	0.155	0.041	0.154	0.020	0.100	0.019	0.052	0.007	0.057	0.009	0.013	0.001	-0.02	-0.001	-0.002	-0.01
CK-A-104	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	4	0.049	23.6	0.522	1.22	0.155	0.640	0.178	0.044	0.171	0.021	0.104	0.020	0.061	0.008	0.060	0.009	0.012	0.001	-0.02	-0.001	-0.002	-0.01
CK-A-105	-0.2	-0.01	-0.001	-0.1	0.01	-0.01	3	0.028	18.6	0.219	0.561	0.067	0.281	0.065	0.019	0.066	0.007	0.037	0.006	0.019	0.002	0.017	0.003	0.008	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-106	-0.2	0.01	-0.001	3.7	0.03	-0.01	9	0.046	56.2	0.309	0.875	0.096	0.431	0.132	0.035	0.130	0.017	0.073	0.015	0.040	0.005	0.035	0.005	0.010	0.001	-0.02	-0.001	-0.002	-0.01
CK-A-107	-0.2	0.03	-0.001	0.1	0.02	-0.01	7	0.038	38.4	0.433	1.11	0.138	0.589	0.177	0.047	0.168	0.022	0.105	0.020	0.055	0.006	0.051	0.008	0.012	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-108	-0.2	0.02	-0.001	-0.1	0.02	-0.01	14	0.034	47.1	0.176	0.527	0.061	0.265	0.081	0.026	0.087	0.013	0.062	0.011	0.033	0.004	0.033	0.005	0.008	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-109	-0.2	0.01	-0.001	-0.1	0.02	-0.01	8	0.060	54.0	0.290	0.796	0.091	0.413	0.132	0.039	0.135	0.021	0.100	0.018	0.052	0.007	0.049	0.007	0.012	0.002	-0.02	-0.001	-0.002	-0.01
CK-A-110	-0.2	0.02	-0.001	-0.1	0.02	-0.01	5	0.063	40.3	0.264	0.709	0.087	0.386	0.142	0.041	0.144	0.021	0.109	0.022	0.067	0.008	0.057	0.009	0.014	0.002	-0.02	-0.001	-0.002	-0.01

Geochemical Grade Assay of Stream Water collected in Lomba Grande District

Sample ID:	Au	Hg	Tl	Pb	Bi	Th	U	SO₄
CK-A-54	-0.002	-0.2	0.021	0.3	-0.01	0.023	0.012	8.88
CK-A-55	-0.002	-0.2	0.019	0.3	-0.01	0.013	0.010	14.4
CK-A-56	-0.002	-0.2	0.021	0.2	-0.01	0.021	0.020	11.1
CK-A-57	-0.002	-0.2	0.026	0.3	-0.01	0.026	0.020	12.7
CK-A-58	-0.002	-0.2	0.016	0.2	-0.01	0.018	0.015	9.59
CK-A-59	-0.002	-0.2	0.015	0.6	-0.01	0.020	0.013	10.9
CK-A-60	-0.002	-0.2	0.016	0.2	-0.01	0.022	0.015	9.40
CK-A-61	-0.002	-0.2	0.016	0.3	-0.01	0.024	0.017	10.3
CK-A-62	-0.002	-0.2	0.019	0.3	-0.01	0.018	0.011	12.1
CK-A-63	-0.002	-0.2	0.023	0.3	-0.01	0.013	0.017	10.1
CK-A-64	-0.002	-0.2	0.022	0.2	-0.01	0.013	0.011	12.1
CK-A-65	-0.002	-0.2	0.024	0.3	-0.01	0.006	0.020	13.0
CK-A-66	-0.002	-0.2	0.019	0.3	-0.01	0.007	0.007	15.3
CK-A-67	-0.002	-0.2	0.023	0.2	-0.01	0.016	0.010	10.8
CK-A-68	-0.002	-0.2	0.019	0.3	-0.01	0.016	0.013	15.0
CK-A-69	-0.002	-0.2	0.028	0.3	-0.01	0.007	0.013	16.3
CK-A-70	-0.002	-0.2	0.014	0.2	-0.01	0.010	0.010	15.8
CK-A-71	-0.002	-0.2	0.009	0.2	-0.01	0.012	0.005	8.76
CK-A-72	-0.002	-0.2	0.016	0.2	-0.01	0.019	0.010	15.9
CK-A-73	-0.002	-0.2	0.013	0.8	-0.01	0.035	0.014	14.0
CK-A-74	-0.002	-0.2	0.016	0.3	-0.01	0.036	0.013	14.0
CK-A-75	-0.002	-0.2	0.023	0.4	-0.01	0.018	0.016	17.8
CK-A-76	-0.002	-0.2	0.012	0.3	-0.01	0.027	0.016	16.2
CK-A-77	-0.002	-0.2	0.011	0.1	-0.01	0.009	0.014	18.1
CK-A-78	-0.002	-0.2	0.013	0.2	-0.01	0.019	0.008	17.2
CK-A-79	-0.002	-0.2	0.015	0.3	-0.01	0.031	0.015	16.8
CK-A-80	-0.002	-0.2	0.008	0.2	-0.01	0.025	0.014	16.9
CK-A-81	-0.002	-0.2	0.016	0.2	-0.01	0.012	0.010	11.6
CK-A-82	-0.002	-0.2	0.022	0.4	-0.01	0.027	0.020	13.2
CK-A-83	-0.002	-0.2	0.016	0.3	-0.01	0.034	0.016	15.3
CK-A-84	-0.002	-0.2	0.012	0.2	0.04	0.022	0.013	15.0
CK-A-85	-0.002	-0.2	0.023	0.5	-0.01	0.008	0.008	16.2
CK-A-86	-0.002	-0.2	0.012	0.2	-0.01	0.015	0.013	16.4
CK-A-87	-0.002	-0.2	0.018	0.2	0.01	0.018	0.016	16.7
CK-A-88	-0.002	-0.2	0.031	0.3	-0.01	0.012	0.010	17.6
CK-A-89	-0.002	-0.2	0.033	0.4	-0.01	0.043	0.027	14.3
CK-A-90	-0.002	-0.2	0.022	1.2	-0.01	0.028	0.021	2.93
CK-A-92	-0.002	-0.2	0.014	0.3	-0.01	0.043	0.017	9.44
CK-A-93	-0.002	-0.2	0.016	0.2	-0.01	0.026	0.011	13.1
CK-A-94	-0.002	-0.2	0.022	0.6	-0.01	0.073	0.050	13.7
CK-A-95	-0.002	-0.2	0.018	0.6	-0.01	0.073	0.055	12.5
CK-A-96	-0.002	-0.2	0.009	0.3	-0.01	0.051	0.024	14.8
CK-A-100	-0.002	-0.2	0.014	0.4	-0.01	0.029	0.017	12.2
CK-A-101	-0.002	-0.2	0.017	0.3	-0.01	0.020	0.018	8.84
CK-A-102	-0.002	-0.2	0.019	0.3	-0.01	0.040	0.023	11.2
CK-A-103	-0.002	-0.2	0.014	0.4	-0.01	0.033	0.027	10.0
CK-A-104	-0.002	-0.2	0.014	0.3	-0.01	0.030	0.028	12.2
CK-A-105	-0.002	-0.2	0.010	0.3	-0.01	0.016	0.013	10.0
CK-A-106	-0.002	-0.2	0.025	0.5	-0.01	0.066	0.033	14.9
CK-A-107	-0.002	-0.2	0.016	0.4	-0.01	0.050	0.041	10.8
CK-A-108	-0.002	-0.2	0.025	0.4	-0.01	0.039	0.024	15.1
CK-A-109	-0.002	-0.2	0.022	0.4	-0.01	0.065	0.030	15.8
CK-A-110	-0.002	-0.2	0.032	0.4	-0.01	0.062	0.035	19.0

Sample ID:	Li	Be	Na	Mg	Al	Si	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Rb	Sr	Y	Zr	Nb	Mo	Ru	Pd
CK-A-111	2	0.1	4,560	1,220	185	9,010	1,670	2,510	7	7.9	1.27	1.4	55.7	235	0.511	0.8	1.4	3.7	0.07	-0.01	0.22	-0.2	28	4.28	15.5	0.325	0.21	0.022	-0.1	-0.01	-0.01
CK-A-112	2	-0.1	3,810	971	169	7,650	1,420	1,940	5	7.0	0.99	1.1	30.9	180	0.273	0.5	1.0	4.3	0.06	-0.01	0.21	-0.2	28	3.79	13.9	0.317	0.38	0.013	-0.1	-0.01	-0.01
CK-A-113	-1	-0.1	2,410	1,030	253	3,380	1,000	769	3	6.8	1.03	1.1	60.3	709	0.454	1.2	3.0	5.6	0.08	-0.01	0.38	-0.2	45	3.56	15.9	0.772	0.26	0.016	-0.1	-0.01	-0.01
CK-A-114	1	-0.1	3,610	1,030	178	6,810	1,650	2,750	5	7.4	0.73	0.9	164	451	0.606	0.5	0.9	4.7	0.07	0.01	0.25	-0.2	35	4.14	16.5	0.352	0.23	0.014	-0.1	-0.01	-0.01
CK-A-115	2	0.1	3,840	950	219	6,850	1,170	1,950	5	7.6	0.79	1.0	124	512	0.801	0.5	0.7	5.9	0.09	-0.01	0.34	-0.2	35	2.92	13.9	0.461	0.30	0.015	-0.1	-0.01	-0.01
CK-A-116	1	-0.1	3,690	1,430	196	6,890	1,430	3,760	5	7.5	0.93	1.1	208	668	0.772	0.7	0.6	10.5	0.10	-0.01	0.49	-0.2	39	3.54	20.2	0.380	0.34	0.017	-0.1	-0.01	-0.01
CK-A-117	-1	-0.1	2,990	1,260	376	3,110	1,230	1,510	3	11.0	1.00	1.0	28.6	902	0.361	0.5	0.7	8.0	0.12	0.01	0.52	-0.2	46	3.44	18.2	0.692	0.46	0.035	-0.1	-0.01	-0.01
CK-A-118	-1	-0.1	3,700	1,530	179	3,160	1,300	2,010	3	4.5	0.70	0.9	47.3	712	0.439	0.4	1.0	1.7	0.07	-0.01	0.61	-0.2	48	3.14	22.8	0.485	0.23	0.011	-0.1	-0.01	-0.01
CK-A-119	3	0.2	5,910	1,130	189	9,790	1,890	1,080	7	7.8	1.64	1.5	21.1	199	0.404	1.0	1.4	2.4	0.07	0.01	0.20	-0.2	45	4.75	12.7	0.671	0.18	0.019	-0.1	-0.01	-0.01
CK-A-120	2	-0.1	3,730	1,010	175	6,970	851	1,090	5	5.8	0.97	0.8	37.3	515	0.356	0.6	0.8	1.9	0.06	-0.01	0.47	-0.2	38	2.68	14.5	0.516	0.19	0.011	-0.1	-0.01	-0.01
CK-A-121	2	0.1	5,060	1,210	390	7,560	1,190	1,540	5	7.2	0.94	1.7	33.3	248	0.434	1.0	0.6	3.2	0.11	0.01	0.20	-0.2	50	2.99	14.1	0.637	0.21	0.021	-0.1	-0.01	-0.01
CK-A-122	3	0.1	3,780	917	207	7,940	915	912	6	6.8	0.84	1.1	41.7	319	0.529	0.8	0.6	5.1	0.07	-0.01	0.34	-0.2	41	2.53	12.8	0.708	0.20	0.015	-0.1	-0.01	-0.01
CK-A-123	1	-0.1	3,250	767	55	5,960	1,080	385	4	3.1	0.71	1.0	13.7	67	0.119	0.3	0.7	8.2	0.02	-0.01	0.12	-0.2	28	3.32	8.54	0.225	0.09	-0.005	-0.1	-0.01	-0.01
CK-A-124	1	-0.1	3,090	786	124	6,460	1,300	108	5	3.4	0.70	1.0	41.2	200	0.487	0.5	0.7	26.2	0.04	-0.01	0.19	-0.2	31	4.33	9.07	0.282	0.10	-0.005	-0.1	-0.01	-0.01
CK-A-125	1	-0.1	3,150	935	175	4,920	984	1,100	4	2.6	1.31	1.0	49.9	607	0.322	0.5	1.6	49.2	0.06	-0.01	0.45	-0.2	38	3.77	13.2	0.557	0.17	-0.005	-0.1	-0.01	-0.01
CK-A-126	-1	-0.1	3,250	678	155	5,790	1,770	1,160	5	3.7	0.91	1.0	26.6	184	0.202	0.5	0.7	49.3	0.03	-0.01	0.22	-0.2	40	5.32	10.8	0.428	0.20	-0.005	-0.1	-0.01	-0.01
CK-A-127	2	0.1	2,790	621	97	6,780	845	418	6	3.6	0.86	1.1	21.1	217	0.231	0.4	0.5	9.0	0.03	-0.01	0.23	-0.2	29	2.88	7.82	0.326	0.56	-0.005	-0.1	-0.01	-0.01
CK-A-128	1	-0.1	3,020	983	121	6,210	892	945	5	3.3	1.18	0.9	19.5	563	0.293	0.6	1.0	5.7	0.03	-0.01	0.46	-0.2	36	3.48	12.8	0.461	0.19	-0.005	-0.1	-0.01	-0.01
CK-A-129	1	-0.1	2,840	776	182	5,250	978	1,120	4	3.3	1.18	1.0	26.9	563	0.325	0.5	1.1	8.0	0.05	-0.01	0.37	-0.2	33	3.27	11.2	0.601	0.22	-0.005	-0.1	-0.01	-0.01
CK-A-130	-1	-0.1	2,010	772	119	3,200	1,130	787	3	2.7	0.77	0.9	20.6	402	0.179	-0.3	1.6	7.0	0.03	-0.01	0.32	-0.2	30	4.24	12.5	0.313	0.17	-0.005	-0.1	-0.01	-0.01
CK-A-131	-1	-0.1	2,080	868	119	2,560	1,200	878	3	3.8	0.87	0.9	22.1	691	0.199	0.3	1.6	15.7	0.04	-0.01	0.44	-0.2	35	3.61	12.1	0.232	0.19	0.006	-0.1	-0.01	-0.01
CK-A-132	-1	-0.1	2,330	997	119	4,410	1,140	1,330	4	2.9	0.93	0.9	46.6	704	0.307	0.3	0.8	17.4	0.04	-0.01	0.39	-0.2	36	3.76	14.1	0.280	0.16	-0.005	-0.1	-0.01	-0.01
CK-A-133	-1	-0.1	1,590	463	111	3,010	659	129	3	2.4	0.50	1.0	8.3	314	0.090	-0.3	0.6	21.7	0.03	-0.01	0.16	-0.2	27	2.78	7.42	0.279	0.19	-0.005	-0.1	-0.01	-0.01
CK-A-134	1	-0.1	3,080	741	48	5,660	654	1,000	4	3.1	0.37	1.0	58.7	377	0.263	0.6	2.3	4.8	0.02	-0.01	0.31	-0.2	31	2.18	10.4	0.142	0.14	-0.005	-0.1	-0.01	-0.01
CK-A-135	2	-0.1	3,020	766	37	5,840	687	632	5	2.9	0.35	0.8	40.1	452	0.232	0.6	1.2	4.0	0.02	-0.01	0.33	-0.2	36	2.87	10.7	0.111	0.10	-0.005	-0.1	-0.01	-0.01
CK-A-136	-1	-0.1	2,260	966	141	2,360	326	800	3	3.2	0.51	0.8	12.7	688	0.150	-0.3	0.6	3.5	0.04	-0.01	0.45	-0.2	48	1.51	14.3	0.311	0.21	0.007	-0.1	-0.01	-0.01
CK-A-137	2	-0.1	2,970	742	77	6,560	707	583	5	3.3	0.79	0.8	17.9	355	0.197	0.3	0.7	3.3	0.02	-0.01	0.34	-0.2	35	2.59	10.0	0.291	0.13	-0.005	-0.1	-0.01	-0.01
CK-A-138	1	-0.1	2,980	1,020	104	5,610	937	1,410	4	3.2	0.80	0.9	31.3	511	0.280	0.4	0.8	2.6	0.03	0.01	0.62	-0.2	38	3.37	15.9	0.387	0.18	-0.005	-0.1	-0.01	-0.01
CK-A-139	1	-0.1	3,190	967	108	5,980	889	1,240	5	3.5	0.84	0.9	32.9	540	0.297	0.4	1.1	1.7	0.03	-0.01	0.35	-0.2	36	2.88	13.9	0.383	0.16	-0.005	-0.1	-0.01	-0.01
CK-A-140	1	-0.1	3,210	799	54	5,740	656	1,090	4	3.0	0.53	0.9	61.0	621	0.273	-0.3	0.7	2.7	0.03	-0.01	0.47	-0.2	35	2.42	12.8	0.184	0.14	-0.005	-0.1	-0.01	-0.01
CK-A-141	-1	-0.1	3,180	862	63	5,310	633	1,120	4	3.0	0.57	0.9	58.8	736	0.292	-0.3	0.5	2.8	0.03	-0.01	0.48	-0.2	36	2.45	13.7	0.215	0.18	-0.005	-0.1	-0.01	-0.01
CK-A-142	-1	-0.1	3,630	1,230	179	1,370	789	1,350	2	5.3	1.41	1.0	29.5	790	0.374	0.5	4.1	7.9	0.05	-0.01	1.04	-0.2	52	2.66	14.6	0.417	0.55	0.009	-0.1	-0.01	-0.01
CK-A-143	1	-0.1	3,480	1,010	101	7,140	1,170	1,610	6	3.8	0.83	1.0	31.1	454	0.273	0.6	1.5	16.1	0.03	-0.01	0.32	-0.2	35	3.69	13.4	0.324	0.14	-0.005	-0.1	-0.01	-0.01
CK-A-144	1	-0.1	3,360	1,120	145	6,840	731	1,870	5	4.0	1.07	1.0	24.5	645	0.273	0.7	0.9	19.9	0.05	-0.01	0.50	-0.2	41	2.69	16.4	0.483	0.17	-0.005	-0.1	-0.01	-0.01
CK-A-145	-1	-0.1	4,250	1,290	142	849	944	1,320	1	5.0	0.86	1.0	39.6	905	0.412	1.1	2.3	33.3	0.04	-0.01	0.86	-0.2	62	2.78	15.9	0.370	0.51	0.014	-0.1	-0.01	-0.01
CK-A-146	4	0.2	4,480	1,200	196	9,720	1,270	1,900	8	6.2	1.31	1.2	62.0	562	0.678	1.1	1.7	34.3	0.06	0.01	0.36	-0.2	41	3.41	16.0	0.774	0.19	0.006	-0.1	-0.01	-0.01
CK-A-147	1	-0.1	2,630	705	87	6,210	955	582	5	3.3	0.85	0.9	30.3	646	0.356	0.4	0.7	2.9	0.03	-0.01	0.39	-0.2	30	3.74	10.6	0.457	0.14	-0.005	-0.1	-0.01	-0.01
CK-A-148	4	0.1	3,700	1,030	107	8,380	1,090	1,370	6	3.9	1.01	0.9	32.1	555	0.369	0.5	0.6	5.6	0.03	-0.01	0.43	-0.2	35	3.16	14.4	0.479	0.21	-0.005	-0.1	-0.01	-0.01
CK-A-149	3	0.1	3,460	830	73	8,940	1,450	520	7	4.2	1.00	1.1	27.8	253	0.560	0.9	0.8	5.5	0.03	-0.01	0.25	-0.2	33	4.78	10.5	0.465	0.08	-0.005	-0.1	-0.01	-0.01
CK-A-150	-1	-0.1	3,300	1,800	67	2,830	399	2,150	3	2.1	0.88	0.9	84.2	1,490	0.507	0.6	4.9	11.6	0.03	-0.01	0.85	-0.2	53	1.78	24.0	0.261	0.21	-0.005	-0.1	-0.01	-0.01
CK-A-151	3	-0.1	3,440	1,120	60	7,870	1,010	1,340	6	3.9	0.79	0.9	31.7	831	0.353	0.6	0.8	13.3	0.03	-0.01	0.52	-0.2	35	3.50	16.7	0.377	0.13	-0.005	-0.1	-0.01	-0.01
CK-A-152	-1	-0.1	3,000	1,550	128	2,890	536	1,630	3	2.2	1.68	0.9	69.8	1,490	0.580	0.6	1.7	19.4	0.05	-0.01	1.35	-0.2	63	2.17	19.3	0.421	0.25	-0.005	-0.1	-0.01	-0.01
CK-A-153	-1	-0.1	7,030	2,060	176	1,610	2,160	2,720	2	9.8	2.87	1.0	71.4	2,010	0.714	0.7	1.5	11.0	0.07	-0.01	1.66	-0.2	82	5.80	24.8	0.374	0.47	0.018	-0.1	-0.01	-0.01
CK-A-154	-1	-0.1	3,370	1,780	162	3,020	1,130	2,670	3	5.3	1.64	1.1	58.3	914	0.607	0.7	3.5	7.3	0.06	-0.01	0.73	-0.2	60	3.99	19.1	0.441	0.72	0.012	-0.1	-0.01	-0.01
CK-A-155	-1	-0.1	4,970	2,690	215	2,450	7,430	4,580	3	6.7	4.79	1.1	75.3	1,170	0.661	0.5	2.6	4.4	0.08	0.01	1.23	-0.2	66	12.8	24.8	0.542	0.83	0.011	-0.1	-0.01	-0.01
CK-A-156	-1	-0.1	2,910	1,230	124	1,320	1,040	1,660	2	2.4	2.91	1.1	34.0	1,010	0.300	0.4	1.1	3.7	0.06	-0.01	1.01	-0.2	48	2.82	13.6	0.289	0.51	-0.005	-0.1	-0.01	-0.01
CK-A-157	2	-0.1	3,110	1,220	115	5,360	1,000	1,560	4	3.2	1.15	1.0	60.6	1,200	0.556	0.5	0.8	2.7	0.04	-0.01	0.65	-0.2	42	3.52	16.7	0.496	0.23	-0.005	-0.1	-0.01	-0.01
CK-A-158	-1	-0.1	3,800	1,530	103	3,700	1,320	1,950	4	3.0	1.64	1.0	62.6	1,690	0.506	0.5	0.9	3.2	0.04	-0.01	0.97	-0.2	57	4.43	20.3	0.487	0.39	0.006	-0.1	-0.01	-0.01
CK-A-159	-1	-0.1	4,520	1,630	115	4,310	798	2,020	4	3.7	1.20	1.2	90.1	847	0.739	0.5	1.2	17.8	0.06	-0.01	0.56	-0.2	73	2.78	19.4	0.247	0.37	0.007	-0.1	-0.01	-0.01
CK-A-160	-1	-0.1	2,820	1,260	137	4,160	540	1,420	4	3.4	1.21	1.5	51.1	1,380	0.546	0.9	1.7	48.8	0.05	-0.01	0.55	-0.2	70	1.84	13.9	0.530	0.24	0.006	-0.1	-0.01	-0.01
CK-A-161	-1	-0.1	2,810	1,230	116	2,150	445	1,450	2	3.8	1.40	1.2	34.0	1,270	0.334	33.4	2.4	55.6	0.04	-0.01	0.67	-0.2	53	1.70	15.4	0.324	1.00	0.008	-0.1	-0.01	-0.01
CK-A-162	-1	-0.1	2,760	1,350	89	2,420	560	1,780	3	2.3	1.41	1.1	44.5	1,220	0.441	0.4	1.2	13.7	0.03	-0.01	0.66	-0.2	54	1.99	17.4	0.403	0.33	-0.005	-0.1	-0.01	-0.01
CK-A-163	-1	-0.1	2,830	1,220	99	1,500	826	1,590	2	2.2	2.35	1.0	23.0	1,110	0.228	1.1	77.4	8.6	0.03	-0.01	0.94	-0.2	50	2.50	14.4	0.288	0.32	0.005	-0.1	-0.01	-0.01

Geochemical Grade Assay of Stream Water collected in Lomba Grande District

Sample ID:	Ag	Cd	In	Sn	Sb	Te	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Pt
CK-A-111	-0.2	0.01	-0.001	-0.1	0.02	-0.01	4	0.047	53.7	0.146	0.528	0.050	0.241	0.079	0.032	0.088	0.014	0.060	0.014	0.034	0.004	0.028	0.004	0.006	0.001	-0.02	-0.001	-0.002	-0.01
CK-A-112	-0.2	0.01	-0.001	-0.1	0.03	-0.01	4	0.044	47.4	0.142	0.396	0.046	0.225	0.069	0.023	0.076	0.010	0.059	0.011	0.032	0.004	0.031	0.004	0.011	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-113	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	8	0.055	33.7	0.617	1.65	0.201	0.826	0.247	0.067	0.240	0.032	0.153	0.027	0.073	0.009	0.069	0.011	0.013	0.002	-0.02	-0.001	-0.002	-0.01
CK-A-114	-0.2	0.01	-0.001	-0.1	0.02	-0.01	7	0.042	58.8	0.207	0.607	0.063	0.292	0.092	0.033	0.090	0.013	0.066	0.012	0.034	0.004	0.030	0.005	0.007	0.002	-0.02	-0.001	-0.002	-0.01
CK-A-115	-0.2	0.01	-0.001	-0.1	0.02	-0.01	6	0.039	52.8	0.249	0.728	0.081	0.373	0.122	0.037	0.120	0.018	0.087	0.016	0.044	0.005	0.040	0.006	0.010	0.001	-0.02	-0.001	-0.002	-0.01
CK-A-116	-0.2	0.01	-0.001	0.7	0.02	-0.01	9	0.042	65.8	0.243	0.690	0.080	0.334	0.109	0.034	0.101	0.014	0.069	0.013	0.034	0.004	0.029	0.005	0.012	0.001	-0.02	-0.001	-0.002	-0.01
CK-A-117	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	10	0.061	33.5	0.592	1.42	0.176	0.745	0.211	0.052	0.195	0.026	0.113	0.021	0.060	0.007	0.055	0.007	0.017	0.002	-0.02	-0.001	-0.002	-0.01
CK-A-118	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	15	0.040	55.7	0.426	1.08	0.137	0.566	0.169	0.043	0.165	0.018	0.089	0.017	0.045	0.006	0.050	0.007	0.012	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-119	-0.2	-0.01	-0.001	-0.1	0.01	-0.01	4	0.043	62.3	0.276	0.663	0.089	0.416	0.144	0.051	0.148	0.023	0.122	0.025	0.063	0.008	0.067	0.010	0.011	0.001	-0.02	-0.001	-0.002	-0.01
CK-A-120	-0.2	0.01	-0.001	-0.1	0.02	-0.01	4	0.033	41.9	0.457	1.16	0.141	0.566	0.160	0.044	0.161	0.021	0.093	0.017	0.049	0.005	0.042	0.006	0.011	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-121	-0.2	0.01	-0.001	-0.1	0.02	-0.01	4	0.052	42.9	0.328	0.933	0.120	0.561	0.179	0.047	0.177	0.024	0.116	0.022	0.060	0.008	0.051	0.009	0.009	0.001	-0.02	-0.001	-0.002	-0.01
CK-A-122	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	3	0.039	43.7	0.556	1.37	0.182	0.754	0.237	0.056	0.224	0.028	0.130	0.025	0.066	0.008	0.056	0.009	0.010	0.001	-0.02	-0.001	-0.002	-0.01
CK-A-123	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	4	0.037	22.6	0.081	0.235	0.029	0.132	0.038	0.014	0.044	0.006	0.035	0.008	0.022	0.003	0.024	0.003	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-124	-0.2	-0.01	-0.001	-0.1	0.01	-0.01	3	0.033	32.1	0.121	0.370	0.040	0.170	0.057	0.019	0.061	0.009	0.046	0.010	0.027	0.004	0.029	0.005	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-125	-0.2	0.01	-0.001	-0.1	0.02	-0.01	6	0.041	33.0	0.430	1.11	0.134	0.536	0.153	0.041	0.152	0.021	0.097	0.020	0.052	0.007	0.045	0.007	0.010	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-126	-0.2	0.01	-0.001	-0.1	0.02	-0.01	6	0.045	24.4	0.217	0.534	0.064	0.259	0.081	0.025	0.093	0.014	0.067	0.013	0.036	0.005	0.041	0.006	0.009	-0.001	0.03	-0.001	-0.002	-0.01
CK-A-127	-0.2	0.01	-0.001	-0.1	0.02	-0.01	3	0.033	29.5	0.200	0.482	0.061	0.255	0.079	0.026	0.075	0.011	0.054	0.012	0.034	0.005	0.035	0.005	0.020	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-128	-0.2	0.01	-0.001	-0.1	0.03	-0.01	7	0.037	32.8	0.378	0.930	0.117	0.454	0.129	0.036	0.131	0.017	0.075	0.015	0.044	0.006	0.042	0.006	0.008	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-129	-0.2	0.01	-0.001	-0.1	0.03	-0.01	6	0.038	36.2	0.444	1.09	0.134	0.566	0.156	0.047	0.163	0.023	0.102	0.020	0.058	0.008	0.057	0.008	0.011	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-130	-0.2	0.01	-0.001	-0.1	0.03	-0.01	4	0.055	25.3	0.211	0.582	0.063	0.275	0.073	0.022	0.081	0.012	0.059	0.011	0.031	0.004	0.031	0.005	0.008	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-131	-0.2	-0.01	-0.001	-0.1	0.04	-0.01	6	0.051	18.1	0.223	0.614	0.066	0.262	0.069	0.019	0.075	0.009	0.041	0.008	0.025	0.003	0.026	0.004	0.006	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-132	-0.2	0.01	-0.001	-0.1	0.02	-0.01	8	0.054	23.1	0.260	0.706	0.075	0.297	0.081	0.022	0.090	0.011	0.048	0.010	0.028	0.003	0.027	0.005	0.007	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-133	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	5	0.055	17.3	0.211	0.571	0.068	0.274	0.080	0.021	0.084	0.011	0.047	0.009	0.029	0.003	0.028	0.005	0.007	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-134	-0.2	0.01	-0.001	-0.1	0.02	0.01	5	0.015	21.4	0.082	0.196	0.027	0.115	0.033	0.011	0.037	0.004	0.023	0.004	0.013	0.002	0.017	0.003	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-135	-0.2	0.01	-0.001	-0.1	0.02	-0.01	7	0.021	27.6	0.083	0.189	0.028	0.116	0.034	0.011	0.032	0.004	0.020	0.004	0.011	0.001	0.013	0.002	0.003	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-136	-0.2	0.01	-0.001	-0.1	0.02	-0.01	12	0.041	23.3	0.419	0.929	0.125	0.515	0.136	0.033	0.120	0.014	0.064	0.012	0.037	0.004	0.032	0.005	0.007	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-137	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	5	0.026	28.6	0.195	0.478	0.064	0.266	0.073	0.022	0.072	0.010	0.049	0.010	0.028	0.004	0.028	0.004	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-138	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	8	0.044	33.8	0.314	0.734	0.094	0.397	0.112	0.033	0.108	0.014	0.064	0.013	0.037	0.005	0.032	0.005	0.009	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-139	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	6	0.025	36.3	0.274	0.635	0.087	0.362	0.106	0.030	0.109	0.012	0.065	0.012	0.033	0.004	0.036	0.005	0.009	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-140	-0.2	0.01	-0.001	-0.1	0.02	-0.01	6	0.017	23.3	0.135	0.324	0.043	0.179	0.054	0.015	0.052	0.007	0.032	0.005	0.015	0.002	0.021	0.003	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-141	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	10	0.019	23.8	0.182	0.409	0.054	0.235	0.072	0.019	0.067	0.008	0.036	0.008	0.019	0.003	0.020	0.003	0.009	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-142	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	22	0.074	23.7	0.572	1.40	0.169	0.671	0.182	0.041	0.173	0.022	0.101	0.015	0.048	0.006	0.042	0.006	0.017	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-143	-0.2	0.03	-0.001	-0.1	0.02	-0.01	7	0.027	41.5	0.192	0.455	0.057	0.239	0.072	0.025	0.081	0.010	0.056	0.011	0.032	0.004	0.030	0.004	0.005	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-144	-0.2	0.02	-0.001	-0.1	0.02	-0.01	8	0.035	48.1	0.411	0.974	0.131	0.554	0.151	0.043	0.145	0.019	0.085	0.016	0.048	0.006	0.044	0.007	0.008	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-145	-0.2	0.02	-0.001	-0.1	0.04	0.01	12	0.061	22.4	0.431	1.02	0.133	0.516	0.147	0.035	0.128	0.017	0.075	0.013	0.041	0.005	0.038	0.006	0.018	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-146	-0.2	0.02	-0.001	-0.1	0.02	-0.01	6	0.038	78.7	0.455	1.33	0.152	0.613	0.191	0.060	0.195	0.027	0.124	0.026	0.071	0.010	0.067	0.011	0.010	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-147	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	3	0.039	39.0	0.273	0.663	0.083	0.364	0.109	0.034	0.127	0.017	0.082	0.015	0.043	0.005	0.042	0.006	0.006	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-148	-0.2	0.01	-0.001	-0.1	0.02	-0.01	4	0.030	63.9	0.287	0.809	0.095	0.410	0.119	0.041	0.129	0.017	0.079	0.016	0.044	0.006	0.041	0.006	0.008	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-149	-0.2	0.01	-0.001	-0.1	0.01	-0.01	2	0.034	66.4	0.239	0.617	0.077	0.339	0.104	0.041	0.116	0.016	0.083	0.016	0.044	0.006	0.043	0.006	0.007	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-150	-0.2	0.02	-0.001	-0.1	0.02	-0.01	11	0.043	32.7	0.354	0.826	0.104	0.421	0.108	0.028	0.098	0.013	0.056	0.010	0.028	0.004	0.026	0.004	0.009	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-151	-0.2	0.03	-0.001	-0.1	0.02	-0.01	5	0.026	59.7	0.268	0.604	0.085	0.353	0.101	0.035	0.105	0.014	0.070	0.013	0.039	0.004	0.035	0.006	0.006	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-152	-0.2	-0.01	-0.001	-0.1	0.03	0.01	17	0.055	28.6	0.573	1.51	0.169	0.686	0.181	0.044	0.174	0.019	0.092	0.015	0.042	0.005	0.041	0.005	0.009	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-153	-0.2	0.01	-0.001	-0.1	0.02	0.01	26	0.269	21.6	0.598	1.56	0.173	0.659	0.169	0.040	0.164	0.019	0.084	0.015	0.044	0.005	0.039	0.005	0.019	0.001	-0.02	-0.001	-0.002	-0.01
CK-A-154	-0.2	0.02	-0.001	-0.1	0.02	-0.01	11	0.140	28.3	0.596	1.52	0.158	0.624	0.168	0.041	0.163	0.020	0.089	0.016	0.048	0.006	0.041	0.006	0.020	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-155	-0.2	0.02	-0.001	-0.1	0.06	0.01	12	0.146	25.1	0.795	2.10	0.214	0.816	0.225	0.053	0.210	0.024	0.108	0.019	0.056	0.007	0.051	0.006	0.030	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-156	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	8	0.077	15.6	0.395	1.14	0.107	0.415	0.122	0.029	0.102	0.014	0.065	0.010	0.030	0.004	0.028	0.004	0.017	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-157	-0.2	0.01	-0.001	-0.1	0.03	-0.01	7	0.038	46.2	0.486	1.19	0.143	0.571	0.167	0.044	0.169	0.020	0.096	0.017	0.053	0.007	0.046	0.006	0.012	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-158	-0.2	0.02	-0.001	-0.1	0.03	-0.01	12	0.098	42.2	0.589	1.43	0.172	0.655	0.195	0.049	0.189	0.022	0.099	0.019	0.053	0.006	0.048	0.007	0.016	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-159	-0.2	0.02	-0.001	-0.1	0.03	-0.01	13	0.072	28.2	0.284	0.884	0.085	0.344	0.096	0.026	0.090	0.010	0.047	0.009	0.028	0.003	0.027	0.004	0.011	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-160	-0.2	0.02	-0.001	-0.1	0.02	-0.01	20	0.077	23.1	0.681	1.86	0.203	0.799	0.205	0.047	0.203	0.024	0.099	0.019	0.058	0.008	0.060	0.009	0.014	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-161	-0.2	0.01	-0.001	-0.1	0.02	-0.01	14	0.077	18.8	0.467	1.18	0.130	0.501	0.125	0.030	0.127	0.014	0.060	0.012	0.035	0.004	0.030	0.005	0.014	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-162	-0.2	0.01	-0.001	-0.1	0.03	0.02	13	0.071	21.7	0.543	1.43	0.154	0.589	0.165	0.037	0.147	0.018	0.074	0.015	0.044	0.006	0.044	0.006	0.013	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-163	-0.2	0.08	0.001	-0.1	0.04	-0.01	8	0.071	16.2	0.402	1.10	0.117	0.450	0.118	0.028	0.116	0.013	0.057	0.010	0.030	0.004	0.029	0.005	0.016	-0.001	0.03	-0.001	-0.002	-0.01

Geochemical Grade Assay of Stream Water collected in Lomba Grande District

Sample ID:	Au	Hg	Tl	Pb	Bi	Th	U	SO₄
CK-A-111	-0.002	-0.2	0.025	0.3	-0.01	0.043	0.022	15.7
CK-A-112	-0.002	-0.2	0.021	0.3	-0.01	0.029	0.020	17.1
CK-A-113	-0.002	-0.2	0.026	0.7	-0.01	0.068	0.052	10.6
CK-A-114	-0.002	-0.2	0.030	0.4	-0.01	0.057	0.022	17.1
CK-A-115	-0.002	-0.2	0.021	0.4	-0.01	0.074	0.029	17.2
CK-A-116	-0.002	-0.2	0.024	0.4	-0.01	0.068	0.028	16.8
CK-A-117	-0.002	-0.2	0.018	0.5	-0.01	0.092	0.041	12.9
CK-A-118	-0.002	-0.2	0.016	0.4	-0.01	0.063	0.033	13.0
CK-A-119	-0.002	-0.2	0.046	0.4	-0.01	0.048	0.028	21.3
CK-A-120	-0.002	-0.2	0.016	0.5	-0.01	0.061	0.042	14.5
CK-A-121	-0.002	-0.2	0.018	0.6	-0.01	0.051	0.037	17.8
CK-A-122	-0.002	-0.2	0.016	0.5	-0.01	0.054	0.044	17.2
CK-A-123	-0.002	-0.2	0.016	0.1	-0.01	0.011	0.012	16.5
CK-A-124	-0.002	-0.2	0.029	0.2	-0.01	0.015	0.017	17.8
CK-A-125	-0.002	-0.2	0.020	0.6	-0.01	0.038	0.041	15.3
CK-A-126	-0.002	-0.2	0.024	0.3	-0.01	0.022	0.025	14.7
CK-A-127	-0.002	-0.2	0.021	0.2	-0.01	0.021	0.025	14.1
CK-A-128	-0.002	-0.2	0.019	0.5	-0.01	0.044	0.039	13.9
CK-A-129	-0.002	-0.2	0.020	0.5	-0.01	0.047	0.040	12.6
CK-A-130	-0.002	-0.2	0.030	0.4	-0.01	0.033	0.022	11.1
CK-A-131	-0.002	-0.2	0.022	0.4	-0.01	0.040	0.024	8.47
CK-A-132	-0.002	-0.2	0.022	0.4	-0.01	0.037	0.022	9.80
CK-A-133	-0.002	-0.2	0.015	0.3	-0.01	0.024	0.025	11.5
CK-A-134	-0.002	-0.2	0.009	0.2	-0.01	0.023	0.010	12.8
CK-A-135	-0.002	-0.2	0.012	0.1	-0.01	0.022	0.010	12.7
CK-A-136	-0.002	-0.2	0.012	0.3	-0.01	0.050	0.034	8.10
CK-A-137	-0.002	-0.2	0.013	0.2	-0.01	0.030	0.021	14.0
CK-A-138	-0.002	-0.2	0.017	0.3	-0.01	0.037	0.030	12.6
CK-A-139	-0.002	-0.2	0.014	0.4	-0.01	0.041	0.028	13.2
CK-A-140	-0.002	-0.2	0.010	0.3	-0.01	0.034	0.015	13.3
CK-A-141	-0.002	-0.2	0.010	0.2	-0.01	0.037	0.017	9.45
CK-A-142	-0.002	-0.2	0.016	0.5	-0.01	0.055	0.052	5.60
CK-A-143	-0.002	-0.2	0.019	0.6	-0.01	0.034	0.021	13.9
CK-A-144	-0.002	-0.2	0.012	0.5	-0.01	0.047	0.035	12.6
CK-A-145	-0.002	-0.2	0.019	0.4	-0.01	0.064	0.032	5.42
CK-A-146	-0.002	-0.2	0.020	0.6	-0.01	0.066	0.039	18.0
CK-A-147	-0.002	-0.2	0.019	0.4	-0.01	0.049	0.032	13.4
CK-A-148	-0.002	-0.2	0.022	0.4	-0.01	0.050	0.028	16.3
CK-A-149	-0.002	-0.2	0.039	0.4	-0.01	0.029	0.025	19.1
CK-A-150	-0.002	-0.2	0.012	0.5	-0.01	0.057	0.034	8.81
CK-A-151	-0.002	-0.2	0.018	0.5	-0.01	0.047	0.024	13.3
CK-A-152	-0.002	-0.2	0.012	0.8	-0.01	0.083	0.056	7.59
CK-A-153	-0.002	-0.2	0.021	0.7	-0.01	0.099	0.052	3.88
CK-A-154	-0.002	-0.2	0.021	0.8	-0.01	0.074	0.059	5.97
CK-A-155	-0.002	-0.2	0.032	0.9	-0.01	0.073	0.090	10.4
CK-A-156	-0.002	-0.2	0.012	0.6	-0.01	0.052	0.050	5.63
CK-A-157	-0.002	-0.2	0.016	0.4	-0.01	0.067	0.036	9.42
CK-A-158	-0.002	-0.2	0.023	0.6	-0.01	0.076	0.047	8.37
CK-A-159	-0.002	-0.2	0.022	0.4	-0.01	0.056	0.027	9.41
CK-A-160	-0.002	-0.2	0.017	0.6	-0.01	0.065	0.053	12.3
CK-A-161	-0.002	-0.2	0.013	0.5	0.02	0.065	0.040	7.68
CK-A-162	-0.002	-0.2	0.015	0.4	-0.01	0.063	0.041	7.29
CK-A-163	-0.002	-0.2	0.013	0.8	-0.01	0.051	0.046	8.02

Geochemical Grade Assay of Stream Water collected in Lomba Grande District

Sample ID:	Li	Be	Na	Mg	Al	Si	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Rb	Sr	Y	Zr	Nb	Mo	Ru	Pd
CK-A-164	-1	-0.1	2,620	1,130	105	2,370	697	1,350	3	2.2	1.41	0.9	42.1	1,170	0.407	0.5	3.2	8.3	0.03	-0.01	0.74	-0.2	46	2.56	15.2	0.528	0.30	-0.005	-0.1	-0.01	-0.01
CK-A-165	-1	-0.1	2,610	1,310	57	1,640	247	1,420	2	1.6	1.08	1.0	77.8	1,190	0.454	-0.3	1.7	29.9	0.03	-0.01	0.62	-0.2	51	1.07	16.4	0.191	0.17	-0.005	-0.1	-0.01	-0.01
CK-A-166	-1	-0.1	2,780	1,160	123	2,870	470	1,430	3	2.8	1.08	1.1	44.4	1,140	0.339	-0.3	1.4	30.2	0.04	-0.01	0.73	-0.2	53	1.65	17.5	0.421	0.23	0.006	-0.1	-0.01	-0.01
CK-A-167	1	-0.1	3,810	1,240	87	6,040	857	1,820	5	4.1	0.84	1.0	62.0	1,020	0.453	0.4	0.7	42.9	0.03	-0.01	0.75	-0.2	44	2.80	20.1	0.515	0.20	-0.005	-0.1	-0.01	-0.01
CK-A-168	-1	-0.1	4,220	1,790	46	2,680	801	3,190	3	2.3	0.71	0.9	33.2	662	0.292	0.3	1.0	13.3	0.02	-0.01	0.46	-0.2	70	2.24	26.8	0.212	0.13	-0.005	-0.1	-0.01	-0.01
CK-A-169	-1	-0.1	8,790	2,570	108	2,840	1,510	4,380	3	4.1	1.14	1.5	91.3	1,310	0.565	0.5	1.5	19.4	0.04	0.01	1.10	-0.2	77	4.14	32.1	0.285	0.24	0.006	0.2	-0.01	-0.01
CK-A-170	-1	-0.1	5,780	2,670	45	3,120	974	4,830	3	2.7	0.70	0.8	249	1,210	0.719	0.5	1.2	12.1	0.04	0.01	0.67	-0.2	86	2.80	36.4	0.201	0.17	-0.005	-0.1	-0.01	-0.01
CK-A-171	1	-0.1	8,420	3,430	82	4,430	2,020	6,940	4	6.6	1.18	1.0	185	3,030	0.605	0.6	3.7	2.7	0.05	0.01	1.94	-0.2	80	5.40	46.2	0.197	0.22	0.012	-0.1	-0.01	-0.01
CK-A-172	1	-0.1	6,020	1,700	169	7,960	1,380	3,320	8	5.1	1.16	0.8	27.9	620	0.306	0.4	1.0	2.0	0.06	-0.01	0.61	-0.2	43	2.87	32.9	0.635	0.23	0.006	-0.1	-0.01	-0.01
CK-A-173	1	-0.1	4,410	2,170	143	5,700	1,090	3,120	5	3.7	1.23	0.9	24.7	966	0.301	0.4	0.9	2.5	0.04	-0.01	0.71	-0.2	49	2.91	32.3	0.420	0.19	-0.005	-0.1	-0.01	-0.01
CK-A-174	2	-0.1	6,350	1,650	318	9,420	1,140	3,510	9	12.8	1.09	1.0	14.0	409	0.203	0.4	0.6	1.9	0.08	-0.01	0.51	-0.2	47	2.33	29.0	0.470	0.41	0.023	-0.1	-0.01	-0.01
CK-A-175	2	-0.1	8,250	3,020	122	8,210	1,520	8,700	7	5.6	1.25	0.9	32.7	600	0.247	0.9	0.8	20.9	0.04	-0.01	0.79	-0.2	65	2.76	51.2	0.494	0.21	0.006	-0.1	-0.01	-0.01
CK-A-176	2	-0.1	6,850	3,400	221	8,240	1,680	6,820	7	5.9	1.79	1.2	43.8	879	0.451	0.9	1.3	18.8	0.06	-0.01	0.91	-0.2	55	3.15	46.2	0.748	0.27	0.008	-0.1	-0.01	-0.01
CK-A-177	-1	-0.1	3,500	1,470	94	4,640	673	1,730	4	3.1	1.06	1.0	74.8	1,490	0.468	0.4	0.7	30.6	0.04	-0.01	0.97	-0.2	51	2.23	22.1	0.417	0.22	-0.005	-0.1	-0.01	-0.01
CK-A-178	-1	-0.1	4,680	1,590	89	6,030	972	3,330	6	4.0	0.78	1.3	54.0	1,030	0.381	0.4	0.9	37.1	0.03	-0.01	0.75	-0.2	45	2.56	30.4	0.506	0.22	-0.005	-0.1	-0.01	-0.01
CK-A-179	-1	-0.1	5,700	1,990	65	6,210	1,120	4,760	6	4.0	0.75	1.2	59.4	1,190	0.246	0.5	0.7	34.2	0.03	-0.01	0.75	-0.2	52	2.72	36.5	0.352	0.16	-0.005	-0.1	-0.01	-0.01
CK-A-180	1	-0.1	5,880	1,930	61	6,750	1,230	4,590	6	4.2	0.68	1.2	90.6	1,080	0.337	0.5	1.4	61.4	0.03	-0.01	0.73	-0.2	50	3.03	36.6	0.333	0.15	-0.005	-0.1	-0.01	-0.01
CK-A-181	1	-0.1	6,760	2,190	44	7,210	1,490	5,550	7	4.6	0.57	1.1	190	1,090	0.542	0.4	0.5	32.3	0.04	-0.01	0.82	-0.2	53	3.55	39.0	0.230	0.10	-0.005	-0.1	-0.01	-0.01
CK-A-182	1	-0.1	2,550	996	81	5,020	1,130	1,070	5	4.2	0.56	1.1	27.9	315	0.238	0.3	0.5	41.9	0.03	-0.01	0.36	-0.2	39	4.04	14.3	0.235	0.16	0.006	-0.1	-0.01	-0.01

Geochemical Grade Assay of Stream Water collected in Lomba Grande District

Sample ID:	Ag	Cd	In	Sn	Sb	Te	I	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Os	Pt
CK-A-164	-0.2	-0.01	0.001	-0.1	0.03	-0.01	9	0.056	26.7	0.608	1.53	0.177	0.727	0.187	0.046	0.183	0.024	0.096	0.020	0.051	0.007	0.054	0.008	0.014	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-165	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	10	0.061	19.6	0.260	0.753	0.077	0.293	0.080	0.019	0.071	0.009	0.037	0.006	0.018	0.003	0.014	0.003	0.006	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-166	-0.2	-0.01	-0.001	-0.1	0.04	-0.01	10	0.044	29.7	0.562	1.42	0.169	0.688	0.182	0.040	0.167	0.020	0.081	0.015	0.041	0.006	0.038	0.007	0.011	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-167	-0.2	0.01	-0.001	-0.1	0.03	-0.01	8	0.026	45.3	0.526	1.29	0.166	0.670	0.183	0.045	0.178	0.021	0.097	0.017	0.046	0.006	0.045	0.007	0.010	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-168	-0.2	-0.01	-0.001	0.7	0.03	-0.01	31	0.052	33.6	0.254	0.626	0.072	0.268	0.077	0.021	0.072	0.008	0.041	0.008	0.022	0.002	0.023	0.003	0.006	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-169	-0.2	0.01	-0.001	-0.1	0.07	-0.01	32	0.069	39.7	0.392	1.04	0.112	0.431	0.124	0.030	0.115	0.013	0.052	0.008	0.027	0.004	0.027	0.004	0.012	-0.001	-0.02	0.001	-0.002	-0.01
CK-A-170	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	37	0.035	41.9	0.242	0.646	0.069	0.280	0.070	0.019	0.071	0.008	0.037	0.006	0.019	0.002	0.019	0.003	0.006	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-171	-0.2	0.01	-0.001	-0.1	0.06	-0.01	26	0.043	43.3	0.256	0.689	0.077	0.280	0.069	0.022	0.076	0.009	0.037	0.007	0.019	0.003	0.019	0.003	0.007	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-172	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	8	0.033	45.1	0.502	1.23	0.165	0.736	0.214	0.052	0.211	0.026	0.117	0.020	0.057	0.007	0.054	0.009	0.010	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-173	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	10	0.030	40.4	0.467	1.10	0.133	0.506	0.160	0.037	0.145	0.018	0.080	0.014	0.040	0.005	0.036	0.006	0.011	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-174	-0.2	-0.01	-0.001	-0.1	0.04	-0.01	7	0.040	43.4	0.341	0.831	0.118	0.496	0.150	0.040	0.148	0.020	0.091	0.017	0.047	0.006	0.047	0.007	0.014	0.002	-0.02	-0.001	-0.002	-0.01
CK-A-175	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	15	0.028	68.3	0.397	0.888	0.128	0.537	0.155	0.042	0.154	0.019	0.082	0.016	0.046	0.006	0.041	0.007	0.010	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-176	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	13	0.035	58.5	0.695	1.59	0.220	0.883	0.253	0.058	0.248	0.031	0.143	0.024	0.064	0.009	0.063	0.009	0.014	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-177	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	11	0.030	37.2	0.519	1.40	0.155	0.640	0.170	0.039	0.160	0.019	0.081	0.014	0.040	0.005	0.037	0.006	0.010	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-178	-0.2	-0.01	-0.001	-0.1	0.03	-0.01	14	0.017	44.4	0.468	1.08	0.150	0.603	0.172	0.045	0.168	0.020	0.088	0.018	0.052	0.007	0.046	0.007	0.009	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-179	-0.2	0.01	-0.001	-0.1	0.04	-0.01	17	0.019	42.9	0.323	0.759	0.102	0.416	0.106	0.032	0.111	0.013	0.057	0.011	0.030	0.003	0.027	0.004	0.008	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-180	-0.2	-0.01	-0.001	-0.1	0.04	-0.01	16	0.014	46.1	0.295	0.719	0.091	0.389	0.109	0.030	0.110	0.013	0.055	0.011	0.030	0.003	0.028	0.004	0.007	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-181	-0.2	-0.01	-0.001	-0.1	0.04	-0.01	18	0.016	52.8	0.160	0.374	0.049	0.208	0.053	0.022	0.060	0.007	0.033	0.007	0.018	0.003	0.015	0.003	0.004	-0.001	-0.02	-0.001	-0.002	-0.01
CK-A-182	-0.2	-0.01	-0.001	-0.1	0.02	-0.01	5	0.035	41.4	0.173	0.348	0.045	0.207	0.061	0.022	0.058	0.007	0.034	0.007	0.019	0.002	0.020	0.004	0.005	-0.001	-0.02	-0.001	-0.002	-0.01

Geochemical Grade Assay of Stream Water collected in Lomba Grande District

Sample ID:	Au	Hg	Tl	Pb	Bi	Th	U	SO$_4$
CK-A-164	-0.002	-0.2	0.015	0.5	-0.01	0.069	0.050	7.45
CK-A-165	-0.002	-0.2	0.010	0.3	-0.01	0.051	0.026	8.33
CK-A-166	-0.002	-0.2	0.012	0.5	-0.01	0.064	0.050	8.86
CK-A-167	-0.002	-0.2	0.013	0.5	-0.01	0.070	0.038	12.5
CK-A-168	-0.002	-0.2	0.018	0.3	-0.01	0.031	0.022	12.6
CK-A-169	-0.002	-0.2	0.015	0.5	-0.01	0.052	0.057	14.2
CK-A-170	-0.002	-0.2	0.017	0.3	-0.01	0.037	0.022	9.36
CK-A-171	-0.002	-0.2	0.009	1.3	-0.01	0.045	0.025	8.84
CK-A-172	-0.002	-0.2	0.011	0.7	-0.01	0.061	0.091	11.1
CK-A-173	-0.002	-0.2	0.012	0.8	-0.01	0.078	0.111	10.3
CK-A-174	-0.002	-0.2	0.010	0.6	-0.01	0.069	0.073	13.8
CK-A-175	-0.002	-0.2	0.013	0.6	-0.01	0.059	0.111	14.1
CK-A-176	-0.002	-0.2	0.015	0.7	-0.01	0.083	0.118	12.5
CK-A-177	-0.002	-0.2	0.012	0.6	-0.01	0.076	0.045	10.2
CK-A-178	-0.002	-0.2	0.009	0.7	-0.01	0.069	0.034	10.9
CK-A-179	-0.002	-0.2	0.009	0.3	-0.01	0.053	0.026	11.4
CK-A-180	-0.002	-0.2	0.010	0.4	-0.01	0.052	0.021	12.4
CK-A-181	-0.002	-0.2	0.010	0.2	-0.01	0.035	0.012	10.7
CK-A-182	-0.002	-0.2	0.021	0.3	-0.01	0.025	0.014	13.3

"-" means lower detection limit.

Geochemical Grade Assay of Stream Sadiments collected in Lomba Grande district

Sample No.	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
CK-S-01	-0.2	-0.5	8	133	-2	7	6	8	0.53	-10	67	-1	-10	0.02	6	11	1.06	0.04	0.04	0.02	0.006	-10	3	-10	15	0.01	20	-10	5	5	0.036
CK-S-02	-0.2	-0.5	7	82	-2	4	6	7	0.38	-10	43	-1	-10	0.04	2	7	0.58	0.03	0.05	0.02	0.004	-10	1	-10	7	0.03	15	-10	3	4	0.011
CK-S-03	-0.2	-0.5	5	58	-2	3	6	8	0.37	-10	40	-1	-10	0.03	2	8	0.62	0.03	0.03	0.02	0.004	-10	1	-10	5	0.02	15	-10	3	5	0.007
CK-S-04	-0.2	-0.5	5	79	-2	3	6	9	0.24	-10	37	-1	-10	0.02	2	7	0.58	0.03	0.03	0.02	0.004	-10	-1	-10	6	0.02	12	-10	3	2	0.007
CK-S-05	-0.2	-0.5	7	141	-2	4	7	10	0.26	-10	40	-1	-10	0.02	4	21	1.36	0.03	0.03	0.01	0.006	-10	1	-10	7	0.03	28	-10	4	4	0.007
CK-S-06	-0.2	-0.5	10	362	-2	24	6	13	0.44	-10	57	-1	-10	0.15	9	27	1.86	0.02	0.32	0.03	0.011	-10	2	-10	9	0.03	33	-10	3	4	0.007
CK-S-07	-0.2	-0.5	8	159	-2	11	7	12	0.25	-10	37	-1	-10	0.07	5	16	1.81	0.01	0.14	0.02	0.009	-10	1	-10	5	0.03	41	-10	2	4	0.009
CK-S-08	-0.2	-0.5	26	799	-2	227	4	34	1.50	-10	62	-1	-10	1.09	46	95	4.87	0.02	3.88	0.16	0.011	-10	7	-10	50	0.06	53	-10	4	12	0.006
CK-S-09	-0.2	-0.5	5	95	-2	4	7	8	0.33	-10	42	-1	-10	0.03	2	9	1.17	0.03	0.06	0.02	0.005	-10	1	-10	7	0.02	25	-10	2	3	0.004
CK-S-10	-0.2	-0.5	9	204	-2	7	12	19	0.71	-10	96	-1	-10	0.05	7	21	2.08	0.03	0.06	0.02	0.023	-10	2	-10	13	0.05	57	-10	4	4	0.009
CK-S-11	-0.2	-0.5	7	586	-2	3	11	13	0.75	-10	114	-1	-10	0.04	5	10	1.34	0.05	0.04	0.02	0.007	-10	5	-10	10	0.03	33	-10	6	4	0.006
CK-S-12	-0.2	-0.5	9	94	-2	4	11	15	1.42	-10	130	-1	-10	0.04	2	9	1.28	0.04	0.05	0.02	0.010	-10	3	-10	11	0.03	28	-10	3	11	0.007
CK-S-13	-0.2	-0.5	5	147	-2	3	7	10	0.69	-10	79	-1	-10	0.03	2	7	0.91	0.03	0.03	0.02	0.006	-10	1	-10	7	0.02	20	-10	2	4	0.005
CK-S-14	-0.2	-0.5	5	260	-2	6	4	7	0.29	-10	42	-1	-10	0.04	5	12	0.60	0.02	0.04	0.02	0.006	-10	1	-10	7	0.02	12	-10	2	2	0.003
CK-S-15	-0.2	-0.5	4	76	-2	4	5	6	0.18	-10	39	-1	-10	0.02	3	8	0.71	0.02	0.04	0.02	0.005	-10	-1	-10	7	0.02	13	-10	2	2	0.004
CK-S-16	-0.2	-0.5	30	475	-2	36	13	26	2.23	-10	121	1	-10	0.15	19	146	5.77	0.04	0.14	0.03	0.014	-10	18	-10	11	0.07	113	-10	8	29	0.008
CK-S-17	-0.2	-0.5	9	254	-2	9	6	10	0.31	-10	44	-1	-10	0.07	5	17	1.03	0.02	0.10	0.02	0.008	-10	2	-10	5	0.02	22	-10	3	4	0.006
CK-S-18	-0.2	-0.5	4	78	-2	3	4	6	0.16	-10	25	-1	-10	0.03	2	7	0.41	0.01	0.02	0.02	0.003	-10	-1	-10	3	0.01	9	-10	1	1	0.003
CK-S-19	-0.2	-0.5	4	58	-2	2	5	5	0.23	-10	27	-1	-10	0.02	2	7	0.58	0.02	0.03	0.02	0.003	-10	-1	-10	5	0.02	14	-10	2	2	0.003
CK-S-20	-0.2	-0.5	6	145	-2	5	6	13	0.33	-10	101	-1	-10	0.06	4	14	1.08	0.08	0.07	0.02	0.008	-10	1	-10	15	0.03	23	-10	3	4	0.004
CK-S-21	-0.2	-0.5	6	86	-2	5	7	12	0.43	-10	48	-1	-10	0.06	3	15	1.08	0.06	0.07	0.03	0.008	-10	1	-10	15	0.03	24	-10	4	4	0.004
CK-S-22	-0.2	-0.5	6	83	-2	4	5	9	0.23	-10	58	-1	-10	0.02	3	15	1.24	0.04	0.04	0.02	0.008	-10	-1	-10	11	0.06	28	-10	2	4	0.004
CK-S-23	-0.2	-0.5	5	181	-2	3	6	7	0.27	-10	46	-1	-10	0.03	3	6	0.52	0.03	0.03	0.02	0.006	-10	-1	-10	12	0.01	8	-10	2	2	0.005
CK-S-24	-0.2	-0.5	5	178	-2	4	6	9	0.39	-10	59	-1	-10	0.08	3	8	0.89	0.04	0.05	0.03	0.012	-10	1	-10	18	0.02	11	-10	2	2	0.004
CK-S-25	-0.2	-0.5	4	58	-2	2	4	7	0.20	-10	31	-1	-10	0.02	2	7	0.71	0.03	0.03	0.02	0.005	-10	-1	-10	8	0.02	14	-10	1	2	0.003
CK-S-26	-0.2	-0.5	5	78	-2	3	5	5	0.27	-10	33	-1	-10	0.03	2	6	0.46	0.02	0.03	0.02	0.003	-10	-1	-10	9	-0.01	9	-10	2	2	0.003
CK-S-27	-0.2	-0.5	5	85	-2	2	6	10	0.31	-10	53	-1	-10	0.04	2	5	0.62	0.03	0.04	0.02	0.009	-10	-1	-10	9	0.01	11	-10	2	1	0.005
CK-S-28	-0.2	-0.5	4	45	-2	3	4	5	0.19	-10	23	-1	-10	0.04	1	10	0.86	-0.01	0.03	0.02	0.003	-10	-1	-10	4	0.02	27	-10	1	4	0.003
CK-S-29	-0.2	-0.5	8	201	-2	4	4	10	0.20	-10	41	-1	-10	0.06	4	6	0.52	0.01	0.04	0.03	0.006	-10	-1	-10	4	0.01	10	-10	2	2	0.005
CK-S-30	-0.2	-0.5	11	266	-2	15	5	13	0.69	-10	62	-1	-10	0.31	6	25	1.21	0.03	0.17	0.07	0.009	-10	3	-10	17	0.05	30	-10	4	5	0.004
CK-S-32	-0.2	-0.5	5	36	-2	3	5	6	0.28	-10	30	-1	-10	0.02	-1	7	0.45	0.03	0.02	0.03	0.004	-10	-1	-10	7	0.02	13	-10	3	2	0.004
CK-S-33	-0.2	-0.5	8	102	-2	7	5	11	0.87	-10	42	-1	-10	0.31	4	15	1.76	0.02	0.14	0.09	0.011	-10	3	-10	18	0.04	29	-10	3	9	0.004
CK-S-34	-0.2	-0.5	13	199	-2	9	10	23	0.97	-10	80	-1	-10	0.05	6	20	1.85	0.04	0.05	0.03	0.010	-10	3	-10	18	0.05	46	-10	4	6	0.007
CK-S-35	-0.2	-0.5	3	27	-2	-1	3	1	0.17	-10	13	-1	-10	0.01	-1	1	0.10	0.01	-0.01	0.03	0.001	-10	-1	-10	3	-0.01	4	-10	-1	2	0.002
CK-S-36	-0.2	-0.5	5	108	-2	4	4	7	0.31	-10	39	-1	-10	0.04	3	6	0.54	0.02	0.05	0.03	0.005	-10	1	-10	8	0.02	13	-10	2	2	0.004
CK-S-37	-0.2	-0.5	4	137	-2	4	4	6	0.38	-10	41	-1	-10	0.08	2	7	0.55	0.02	0.06	0.04	0.006	-10	1	-10	8	0.02	12	-10	2	2	0.003
CK-S-38	-0.2	-0.5	7	324	-2	10	5	10	0.57	-10	64	-1	-10	0.17	5	13	1.03	0.03	0.17	0.05	0.010	-10	2	-10	12	0.02	18	-10	3	3	0.004
CK-S-39	-0.2	-0.5	6	64	-2	2	6	6	0.46	-10	30	-1	-10	0.04	1	4	0.65	0.02	0.02	0.03	0.004	-10	1	-10	5	-0.01	16	-10	1	6	0.005
CK-S-40	-0.2	-0.5	3	18	-2	2	4	12	0.20	-10	20	-1	-10	0.01	-1	2	0.23	0.01	0.01	0.03	0.004	-10	-1	-10	4	-0.01	7	-10	2	2	0.004
CK-S-41	-0.2	-0.5	4	175	-2	5	12	10	0.14	-10	87	-1	-10	0.01	4	19	2.52	0.01	0.01	0.03	0.007	-10	1	-10	19	0.04	49	-10	1	8	0.003
CK-S-42	-0.2	-0.5	4	195	-2	6	7	16	0.66	-10	62	-1	-10	0.06	5	11	1.19	0.04	0.06	0.03	0.012	-10	2	-10	11	0.03	28	-10	2	3	0.005
CK-S-43	-0.2	-0.5	5	176	-2	5	9	19	0.83	-10	49	-1	-10	0.05	5	13	1.29	0.04	0.04	0.03	0.012	-10	2	-10	8	0.03	29	-10	2	6	0.009
CK-S-44	-0.2	-0.5	2	104	-2	3	3	8	0.26	-10	36	-1	-10	0.03	2	5	0.68	0.02	0.02	0.02	0.009	-10	-1	-10	6	0.02	13	-10	1	2	0.004
CK-S-45	-0.2	-0.5	6	989	-2	5	7	18	0.51	-10	86	-1	-10	0.07	10	8	1.15	0.03	0.04	0.02	0.018	-10	1	-10	10	0.02	15	-10	3	5	0.009
CK-S-46	-0.2	-0.5	6	303	-2	11	9	16	0.40	-10	72	-1	-10	0.09	6	14	0.95	0.03	0.07	0.02	0.010	-10	1	-10	12	0.01	20	-10	3	2	0.007
CK-S-47	-0.2	-0.5	5	140	-2	5	7	12	0.43	-10	45	-1	-10	0.11	3	10	1.02	0.03	0.06	0.03	0.006	-10	2	-10	10	0.02	25	-10	2	4	0.003
CK-S-48	-0.2	-0.5	5	271	-2	5	10	12	0.29	-10	53	-1	-10	0.10	5	10	1.00	0.02	0.05	0.03	0.007	-10	1	-10	8	0.02	21	-10	2	3	0.004
CK-S-49	-0.2	-0.5	9	792	-2	11	11	29	0.72	-10	99	-1	-10	0.20	17	25	2.46	0.02	0.10	0.04	0.021	-10	4	-10	11	0.05	51	-10	4	7	0.011
CK-S-50	-0.2	-0.5	9	608	-2	8	7	25	0.89	-10	83	-1	-10	0.20	10	18	2.17	0.02	0.10	0.04	0.017	-10	4	-10	12	0.05	43	-10	4	8	0.007
CK-S-51	-0.2	-0.5	4	265	-2	4	8	15	0.52	-10	48	-1	-10	0.05	5	14	1.73	0.02	0.03	0.02	0.009	-10	2	-10	6	0.04	42	-10	2	5	0.004
CK-S-52	-0.2	-0.5	8	147	-2	5	9	18	0.68	-10	58	-1	-10	0.15	4	11	1.28	0.02	0.09	0.04	0.011	-10	2	-10	13	0.02	22	-10	2	4	0.008

Geochemical Grade Assay of Stream Sadiments collected in Lomba Grande district

Sample No.	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
CK-S-53	-0.2	-0.5	6	157	-2	5	9	19	0.85	-10	61	-1	-10	0.07	4	12	1.40	0.02	0.05	0.02	0.012	-10	2	-10	9	0.04	30	-10	3	5	0.006
CK-S-54	-0.2	-0.5	4	148	-2	4	7	15	0.66	-10	46	-1	-10	0.05	4	11	1.52	0.02	0.04	0.02	0.012	-10	2	-10	6	0.04	29	-10	2	4	0.006
CK-S-55	-0.2	-0.5	2	97	-2	3	6	9	0.24	-10	26	-1	-10	0.02	3	7	0.65	-0.01	0.01	0.01	0.005	-10	1	-10	2	0.09	27	-10	2	3	0.006
CK-S-56	-0.2	-0.5	3	159	-2	1	6	10	0.34	-10	29	-1	-10	0.04	2	4	0.58	-0.01	0.02	0.02	0.007	-10	-1	-10	5	0.01	12	-10	2	2	0.006
CK-S-57	-0.2	-0.5	9	192	-2	3	8	18	0.54	-10	44	-1	-10	0.12	4	8	1.00	0.02	0.06	0.02	0.011	-10	2	-10	8	0.02	22	-10	2	3	0.008
CK-S-58	-0.2	-0.5	4	44	-2	2	5	12	0.30	-10	27	-1	-10	0.05	1	4	0.45	-0.01	0.03	0.02	0.007	-10	-1	-10	4	0.01	11	-10	1	2	0.004
CK-S-59	-0.2	-0.5	5	134	-2	5	6	17	0.66	-10	45	-1	-10	0.08	3	8	0.98	0.02	0.08	0.02	0.016	-10	2	-10	6	0.02	23	-10	2	3	0.007
CK-S-61	-0.2	-0.5	3	72	-2	2	4	10	0.28	-10	27	-1	-10	0.03	2	4	0.53	-0.01	0.02	0.02	0.008	-10	-1	-10	3	0.01	13	-10	1	2	0.004
CK-S-62	-0.2	-0.5	7	62	-2	1	4	9	0.24	-10	24	-1	-10	0.03	1	4	0.42	0.01	0.02	0.01	0.004	-10	-1	-10	3	0.01	10	-10	1	1	0.003
CK-S-63	-0.2	-0.5	6	46	-2	2	6	14	0.21	-10	21	-1	-10	0.02	1	3	0.29	0.01	0.01	0.01	0.004	-10	-1	-10	3	-0.01	7	-10	-1	4	0.004
CK-S-64	-0.2	-0.5	5	163	-2	2	6	15	0.43	-10	33	-1	-10	0.04	2	8	0.96	0.01	0.03	0.02	0.006	-10	1	-10	5	0.02	23	-10	2	3	0.004
CK-S-65	-0.2	-0.5	9	346	-2	8	9	22	0.98	-10	75	-1	-10	0.38	6	17	1.22	0.02	0.13	0.07	0.013	-10	2	-10	21	0.03	29	-10	8	4	0.008
CK-S-66	-0.2	-0.5	4	129	-2	2	5	12	0.31	-10	33	-1	-10	0.03	2	5	0.52	0.01	0.02	0.01	0.006	-10	-1	-10	4	0.01	12	-10	2	2	0.005
CK-S-67	-0.2	-0.5	4	100	-2	1	6	10	0.28	-10	25	-1	-10	0.02	2	7	0.93	0.01	0.02	-0.01	0.004	-10	-1	-10	3	0.01	25	-10	1	2	0.003
CK-S-68	-0.2	-0.5	6	101	-2	3	7	13	0.21	-10	25	-1	-10	0.03	2	9	0.99	0.01	0.02	0.01	0.004	-10	-1	-10	3	0.02	26	-10	1	2	0.004
CK-S-69	-0.2	-0.5	10	168	-2	7	9	17	0.53	-10	60	-1	-10	0.23	4	16	1.38	0.02	0.10	0.04	0.008	-10	2	-10	14	0.03	37	-10	4	4	0.004
CK-S-70	-0.2	-0.5	4	104	-2	4	7	12	0.23	-10	30	-1	-10	0.08	2	12	1.27	0.01	0.04	0.02	0.006	-10	-1	-10	5	0.02	34	-10	2	4	0.002
CK-S-71	-0.2	-0.5	4	161	-2	3	7	13	0.31	-10	40	-1	-10	0.08	2	10	0.82	0.03	0.05	0.02	0.008	-10	1	-10	6	0.01	17	-10	2	4	0.005
CK-S-72	-0.2	-0.5	5	351	-2	3	7	16	0.23	-10	69	-1	-10	0.05	5	9	1.02	0.03	0.04	0.01	0.016	-10	-1	-10	5	0.01	13	-10	2	3	0.005
CK-S-73	-0.2	-0.5	6	350	-2	2	8	17	0.23	-10	48	-1	-10	0.07	4	6	0.59	0.02	0.04	0.01	0.007	-10	-1	-10	5	-0.01	11	-10	2	2	0.004
CK-S-74	-0.2	-0.5	7	610	-2	3	6	18	0.25	-10	73	-1	-10	0.07	5	6	0.68	0.02	0.05	0.01	0.010	-10	-1	-10	6	0.01	10	-10	2	2	0.005
CK-S-75	-0.2	-0.5	5	118	-2	4	8	14	0.19	-10	35	-1	-10	0.03	3	15	1.34	0.02	0.03	0.01	0.006	-10	-1	-10	6	0.02	32	-10	2	3	0.003
CK-S-76	-0.2	-0.5	5	289	-2	4	7	18	0.30	-10	75	-1	-10	0.08	4	11	0.81	0.07	0.08	0.01	0.010	-10	1	-10	8	0.01	12	-10	3	2	0.005
CK-S-77	-0.2	-0.5	3	183	-2	3	6	12	0.15	-10	41	-1	-10	0.04	3	7	0.59	0.02	0.03	0.01	0.007	-10	-1	-10	6	0.01	13	-10	2	1	0.003
CK-S-78	-0.2	-0.5	2	238	-2	2	5	10	0.13	-10	38	-1	-10	0.04	2	9	0.64	0.02	0.03	0.01	0.006	-10	-1	-10	5	-0.01	13	-10	1	1	0.002
CK-S-79	-0.2	-0.5	14	126	-2	4	7	19	0.13	-10	34	-1	-10	0.04	2	8	0.69	0.02	0.03	0.01	0.008	-10	-1	-10	3	0.01	12	-10	1	2	0.005
CK-S-80	-0.2	-0.5	5	239	-2	3	6	15	0.13	-10	36	-1	-10	0.05	3	5	0.43	0.02	0.03	0.01	0.006	-10	-1	-10	3	-0.01	7	-10	1	2	0.004
CK-S-81	-0.2	-0.5	4	171	-2	3	6	16	0.14	-10	50	-1	-10	0.05	3	9	0.71	0.03	0.05	0.01	0.009	-10	-1	-10	4	-0.01	12	-10	2	2	0.003
CK-S-82	-0.2	-0.5	3	61	-2	2	4	10	0.17	-10	20	-1	-10	0.02	1	5	0.65	-0.01	0.01	-0.01	0.004	-10	-1	-10	2	0.01	16	-10	-1	2	0.002
CK-S-83	-0.2	-0.5	4	217	-2	2	4	12	0.10	-10	30	-1	-10	0.04	2	5	0.40	0.02	0.02	-0.01	0.005	-10	-1	-10	3	-0.01	6	-10	-1	1	0.002
CK-S-84	-0.2	-0.5	6	186	-2	4	10	28	0.17	-10	44	-1	-10	0.08	3	6	0.62	0.02	0.05	0.02	0.009	-10	-1	-10	5	0.01	10	-10	2	2	0.005
CK-S-85	-0.2	-0.5	4	72	-2	4	10	21	0.31	-10	44	-1	-10	0.07	2	6	0.53	0.02	0.03	0.02	0.010	-10	-1	-10	5	0.01	12	-10	3	1	0.010
CK-S-86	-0.2	-0.5	4	292	-2	5	9	23	0.37	-10	82	-1	-10	0.12	4	11	1.02	0.08	0.10	0.02	0.013	-10	1	-10	11	0.01	16	-10	4	3	0.004
CK-S-87	-0.2	-0.5	13	485	-2	20	9	27	0.95	-10	93	-1	-10	0.22	10	49	1.95	0.03	0.14	0.04	0.012	-10	5	-10	15	0.05	54	-10	5	10	0.005
CK-S-88	-0.2	-0.5	1	35	-2	1	6	8	0.17	-10	28	-1	-10	0.01	1	4	0.41	0.01	0.02	0.02	0.005	-10	-1	-10	3	0.01	8	-10	1	1	0.004
CK-S-89	-0.2	-0.5	1	46	-2	2	4	9	0.18	-10	27	-1	-10	0.02	1	7	0.46	0.02	0.02	0.02	0.004	-10	-1	-10	3	0.01	10	-10	2	3	0.002
CK-S-90	-0.2	-0.5	3	121	-2	2	8	12	0.20	-10	34	-1	-10	0.03	3	8	0.62	0.02	0.02	0.02	0.006	-10	-1	-10	4	0.01	14	-10	2	2	0.004
CK-S-91	-0.2	-0.5	3	182	-2	3	9	15	0.32	-10	55	-1	-10	0.04	4	8	0.88	0.02	0.03	0.02	0.009	-10	-1	-10	6	0.02	18	-10	2	2	0.006
CK-S-92	-0.2	-0.5	3	99	-2	3	6	11	0.22	-10	38	-1	-10	0.05	2	8	0.80	0.03	0.04	0.02	0.008	-10	-1	-10	5	-0.01	14	-10	2	3	0.004
CK-S-93	-0.2	-0.5	3	113	-2	2	6	11	0.15	-10	33	-1	-10	0.02	3	6	0.59	0.01	0.02	0.02	0.004	-10	-1	-10	3	0.01	12	-10	1	2	0.002
CK-S-94	-0.2	-0.5	1	80	-2	1	5	10	0.16	-10	29	-1	-10	0.04	2	3	0.48	-0.01	0.01	0.01	0.012	-10	-1	-10	3	-0.01	11	-10	1	2	0.004
CK-S-95	-0.2	-0.5	6	62	-2	3	7	16	0.17	-10	23	-1	-10	0.05	2	4	0.32	0.02	0.03	0.02	0.008	-10	-1	-10	4	-0.01	9	-10	2	2	0.004
CK-S-96	-0.2	-0.5	6	220	-2	4	13	56	0.71	-10	66	-1	-10	0.10	6	10	1.52	0.08	0.10	0.02	0.012	-10	2	-10	11	0.01	26	-10	4	6	0.005
CK-S-97	-0.2	-0.5	2	178	-2	3	5	11	0.29	-10	32	-1	-10	0.04	3	7	0.66	0.02	0.03	0.02	0.005	-10	-1	-10	5	0.02	15	-10	1	2	0.003
CK-S-98	-0.2	-0.5	6	203	-2	7	8	21	0.57	-10	67	-1	-10	0.12	7	17	1.59	0.02	0.09	0.03	0.012	-10	3	-10	11	0.04	45	-10	3	5	0.006
CK-S-100	-0.2	-0.5	-1	405	-2	2	4	11	0.24	-10	48	-1	-10	0.02	4	5	0.71	0.03	0.02	0.02	0.008	-10	-1	-10	6	-0.01	8	-10	2	2	0.005
CK-S-102	-0.2	-0.5	12	454	-2	16	10	36	0.92	-10	79	-1	-10	0.34	15	35	3.16	0.02	0.19	0.05	0.020	-10	5	-10	17	0.08	96	-10	5	11	0.005
CK-S-103	-0.2	-0.5	22	412	-2	34	12	57	1.61	-10	154	1	-10	0.54	26	50	4.21	0.03	0.47	0.08	0.030	-10	10	-10	25	0.10	112	-10	10	20	0.008
CK-S-104	-0.2	-0.5	66	1283	-2	36	20	80	2.79	-10	183	1	-10	0.31	40	65	6.43	0.06	0.27	0.05	0.025	-10	19	-10	22	0.03	115	-10	12	13	0.012
CK-S-105	-0.2	-0.5	11	413	-2	7	15	35	2.20	-10	98	-1	-10	0.15	6	19	2.23	0.04	0.10	0.04	0.014	-10	5	-10	22	0.02	48	-10	4	10	0.011
CK-S-106	-0.2	-0.5	1	134	-2	2	5	10	0.24	-10	41	-1	-10	0.03	3	7	0.45	0.04	0.03	0.02	0.005	-10	-1	-10	9	-0.01	8	-10	2	2	0.003

Sample No.	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
CK-S-107	-0.2	-0.5	3	92	-2	5	5	12	0.56	-10	47	-1	-10	0.13	3	11	0.72	0.03	0.07	0.04	0.011	-10	2	-10	11	0.01	17	-10	3	4	0.005
CK-S-108	-0.2	-0.5	2	219	-2	5	7	16	0.31	-10	64	-1	-10	0.06	5	12	0.92	0.06	0.06	0.02	0.010	-10	1	-10	12	0.01	16	-10	3	3	0.004
CK-S-109	-0.2	-0.5	3	187	-2	4	5	14	0.31	-10	68	-1	-10	0.12	4	11	0.73	0.06	0.08	0.03	0.006	-10	1	-10	13	0.01	14	-10	3	3	0.003
CK-S-110	-0.02	-0.5	2	56	-2	3	5	10	0.16	-10	33	-1	-10	0.02	2	12	0.60	0.03	0.03	0.02	0.003	-10	-1	-10	5	0.01	13	-10	3	3	0.002
CK-S-111	-0.2	-0.5	6	207	-2	5	9	18	0.17	-10	53	-1	-10	0.05	5	18	1.35	0.04	0.04	0.02	0.006	-10	-1	-10	6	0.01	32	-10	3	3	0.004
CK-S-112	-0.2	-0.5	13	158	-2	3	8	16	0.13	-10	44	-1	-10	0.04	4	11	0.74	0.03	0.03	0.01	0.007	-10	-1	-10	4	0.01	17	-10	2	2	0.006
CK-S-113	-0.2	-0.5	2	30	-2	1	5	8	0.14	-10	22	-1	-10	0.02	1	5	0.39	0.01	0.01	0.01	0.002	-10	-1	-10	3	-0.01	12	-10	2	2	0.003
CK-S-114	-0.2	-0.5	3	122	-2	5	8	13	0.15	-10	47	-1	-10	0.02	4	23	2.97	0.03	0.02	0.02	0.004	-10	-1	-10	7	0.04	74	-10	2	7	0.002
CK-S-115	-0.2	-0.5	3	90	-2	3	4	11	0.21	-10	43	-1	-10	0.03	2	5	0.53	0.04	0.03	0.02	0.005	-10	-1	-10	7	-0.01	8	-10	2	2	0.004
CK-S-116	-0.2	-0.5	3	162	-2	5	7	12	0.29	-10	52	-1	-10	0.04	3	9	0.61	0.04	0.04	0.02	0.007	-10	-1	-10	9	0.01	11	-10	3	2	0.003
CK-S-117	-0.2	-0.5	3	84	-2	-1	4	8	0.15	-10	21	-1	-10	0.06	-1	3	0.63	0.09	0.01	0.03	0.003	-10	-1	-10	6	-0.01	9	-10	2	2	0.003
CK-S-118	-0.2	-0.5	2	73	-2	3	6	15	0.29	-10	54	-1	-10	0.07	3	4	0.59	0.04	0.06	0.01	0.006	-10	1	-10	8	-0.01	14	-10	6	4	0.002
CK-S-119	-0.2	-0.5	3	52	-2	2	7	12	0.12	-10	39	-1	-10	0.02	2	7	0.43	0.03	0.02	0.01	0.005	-10	-1	-10	4	-0.01	11	-10	5	2	0.003
CK-S-120	-0.2	-0.5	2	87	-2	1	7	11	0.15	-10	43	-1	-10	0.04	2	3	0.47	0.02	0.02	0.01	0.003	-10	-1	-10	3	-0.01	9	-10	3	3	0.003
CK-S-121	-0.2	-0.5	2	77	-2	2	5	12	0.13	-10	33	-1	-10	0.03	3	10	0.52	0.02	0.02	0.01	0.004	-10	-1	-10	3	-0.01	11	-10	2	2	0.003
CK-S-122	-0.2	-0.5	4	22	-2	-1	6	14	0.09	-10	23	-1	-10	0.01	1	4	0.29	0.01	-0.01	0.01	0.004	-10	-1	-10	1	-0.01	7	-10	2	1	0.004
CK-S-123	-0.2	-0.5	5	53	-2	1	7	14	0.19	-10	36	-1	-10	0.03	-1	6	0.41	0.01	0.02	0.01	0.003	-10	1	-10	3	-0.01	14	-10	2	3	0.002
CK-S-124	-0.2	-0.5	4	72	-2	1	7	13	0.09	-10	31	-1	-10	0.02	2	7	0.44	0.01	0.01	-0.01	0.003	-10	-1	-10	2	-0.01	11	-10	1	1	0.004
CK-S-125	-0.2	-0.5	4	77	-2	2	7	14	0.37	-10	54	-1	-10	0.04	2	9	0.86	0.03	0.04	0.02	0.005	-10	1	-10	8	-0.01	22	-10	4	5	0.003
CK-S-126	-0.2	-0.5	3	141	-2	4	7	15	0.36	-10	45	-1	-10	0.09	3	14	1.09	0.03	0.05	0.02	0.007	-10	1	-10	9	0.02	24	-10	2	3	0.004
CK-S-127	-0.2	-0.5	2	48	-2	1	5	12	0.16	-10	35	-1	-10	0.02	1	5	0.32	0.02	0.02	0.01	0.004	-10	-1	-10	5	-0.01	7	-10	1	1	0.003
CK-S-128	-0.2	-0.5	7	66	-2	2	7	17	0.24	-10	46	-1	-10	0.05	2	6	0.51	0.02	0.03	0.01	0.006	-10	1	-10	6	-0.01	12	-10	4	3	0.006
CK-S-129	-0.2	-0.5	3	168	-2	3	5	17	0.21	-10	51	-1	-10	0.05	4	6	0.57	0.03	0.05	0.01	0.006	-10	-1	-10	5	-0.01	11	-10	3	2	0.003
CK-S-130	-0.2	-0.5	2	71	-2	2	5	12	0.23	-10	22	-1	-10	0.05	2	8	0.84	-0.01	0.02	0.01	0.004	-10	-1	-10	3	0.02	24	-10	1	2	0.002
CK-S-131	-0.2	-0.5	2	48	-2	1	5	11	0.15	-10	17	-1	-10	0.02	1	3	0.37	-0.01	0.02	-0.01	0.005	-10	-1	-10	2	-0.01	9	-10	-1	1	0.003
CK-S-132	-0.2	-0.5	3	130	-2	2	4	13	0.18	-10	29	-1	-10	0.04	2	5	0.65	-0.01	0.02	-0.01	0.007	-10	-1	-10	3	-0.01	14	-10	1	2	0.004
CK-S-133	-0.2	-0.5	5	142	-2	1	5	14	0.12	-10	26	-1	-10	0.02	2	4	0.46	-0.01	0.01	-0.01	0.004	-10	-1	-10	2	-0.01	11	-10	1	1	0.004
CK-S-134	-0.2	-0.5	3	51	-2	-1	5	13	0.06	-10	19	-1	-10	0.03	1	1	0.22	-0.01	0.01	-0.01	0.003	-10	-1	-10	2	-0.01	4	-10	-1	-1	0.003
CK-S-135	-0.2	-0.5	4	130	-2	4	4	15	0.31	-10	38	-1	-10	0.10	3	5	0.46	0.02	0.06	0.02	0.006	-10	-1	-10	7	0.01	10	-10	2	2	0.008
CK-S-136	-0.2	-0.5	6	88	-2	8	11	21	0.77	-10	84	-1	-10	0.20	5	10	1.47	0.02	0.17	0.03	0.011	-10	3	-10	16	0.02	27	-10	5	11	0.006
CK-S-137	-0.2	-0.5	2	56	-2	2	4	11	0.13	-10	31	-1	-10	0.02	1	4	0.27	0.01	0.02	-0.01	0.004	-10	-1	-10	3	-0.01	6	-10	2	-1	0.003
CK-S-138	-0.2	-0.5	6	38	-2	1	8	15	0.11	-10	26	-1	-10	0.02	-1	3	0.24	0.01	0.02	-0.01	0.004	-10	-1	-10	3	-0.01	5	-10	1	-1	0.004
CK-S-139	-0.2	-0.5	6	50	-2	2	8	17	0.10	-10	26	-1	-10	0.03	1	3	0.29	0.01	0.02	-0.01	0.004	-10	-1	-10	3	-0.01	6	-10	2	1	0.003
CK-S-140	-0.2	-0.5	5	132	-2	1	6	16	0.16	-10	34	-1	-10	0.03	2	3	0.46	0.02	0.03	-0.01	0.008	-10	-1	-10	3	-0.01	7	-10	2	1	0.004
CK-S-141	-0.2	-0.5	4	130	-2	-1	6	16	0.13	-10	32	-1	-10	0.03	2	2	0.37	0.01	0.02	-0.01	0.008	-10	-1	-10	3	-0.01	4	-10	1	-1	0.004
CK-S-142	-0.2	-0.5	3	51	-2	-1	6	14	0.14	-10	20	-1	-10	0.02	1	2	0.52	-0.01	0.01	-0.01	0.013	-10	-1	-10	2	-0.01	15	-10	1	1	0.004
CK-S-143	-0.2	-0.5	2	77	-2	1	5	12	0.07	-10	28	-1	-10	0.02	1	3	0.27	-0.01	0.02	-0.01	0.003	-10	-1	-10	2	-0.01	6	-10	1	-1	0.002
CK-S-144	-0.2	-0.5	4	41	-2	-1	7	15	0.07	-10	26	-1	-10	0.03	1	2	0.28	-0.01	0.02	-0.01	0.002	-10	-1	-10	2	-0.01	7	-10	2	1	0.002
CK-S-145	-0.2	-0.5	4	20	-2	3	5	14	0.09	-10	11	-1	-10	0.03	-1	4	0.25	-0.01	0.03	0.01	0.003	-10	-1	-10	2	-0.01	8	-10	-1	1	0.003
CK-S-146	-0.2	-0.5	2	41	-2	2	7	15	0.15	-10	29	-1	-10	0.02	1	4	0.40	0.02	0.02	0.01	0.004	-10	-1	-10	3	-0.01	13	-10	2	2	0.003
CK-S-147	-0.2	-0.5	4	27	-2	-1	5	12	0.10	-10	21	-1	-10	-0.01	1	3	0.33	-0.01	-0.01	0.01	0.003	-10	-1	-10	2	-0.01	7	-10	2	2	0.003
CK-S-148	-0.2	-0.5	3	37	-2	2	4	12	0.09	-10	28	-1	-10	0.02	1	3	0.26	0.01	0.01	0.01	0.003	-10	-1	-10	3	-0.01	7	-10	2	1	0.003
CK-S-149	-0.2	-0.5	25	36	-2	7	6	18	0.07	-10	26	-1	-10	0.03	2	4	0.43	0.01	0.01	-0.01	0.009	-10	-1	-10	2	-0.01	6	-10	1	1	0.006
CK-S-150	-0.2	-0.5	10	25	-2	4	6	-1	0.06	-10	11	-1	-10	37.17	-1	1	0.33	-0.01	-0.01	-0.01	0.005	-10	-1	-10	1	-0.01	8	-10	-1	1	-0.001
CK-S-151	-0.2	-0.5	8	15	-2	3	6	12	0.06	-10	20	-1	-10	-0.01	-1	1	0.22	-0.01	-0.01	0.01	0.005	-10	-1	-10	1	-0.01	4	-10	1	-1	0.003
CK-S-152	-0.2	-0.5	5	29	-2	2	4	11	0.06	-10	12	-1	-10	0.02	-1	1	0.19	-0.01	-0.01	0.01	0.003	-10	-1	-10	1	-0.01	5	-10	-1	-1	0.003
CK-S-153	-0.2	-0.5	5	29	-2	-1	4	11	0.06	-10	9	-1	-10	0.01	-1	2	0.31	-0.01	-0.01	-0.01	0.007	-10	-1	-10	1	-0.01	13	-10	-1	1	0.004
CK-S-154	-0.2	-0.5	3	67	-2	1	4	11	0.04	-10	15	-1	-10	0.02	2	1	0.41	-0.01	-0.01	0.01	0.004	-10	-1	-10	1	-0.01	10	-10	-1	1	0.003
CK-S-157	-0.2	-0.5	4	167	-2	2	8	12	0.10	-10	37	-1	-10	0.03	3	4	0.79	-0.01	0.01	0.01	0.007	-10	2	-10	3	-0.01	25	-10	3	3	0.005
CK-S-158	-0.2	-0.5	-1	18	-2	-1	4	9	0.15	-10	34	-1	-10	-0.01	1	2	0.14	-0.01	-0.01	0.02	0.003	-10	-1	-10	2	-0.01	6	-10	1	2	0.003
CK-S-159	-0.2	-0.5	1	55	-2	-1	4	12	0.09	-10	12	-1	-10	0.01	1	2	0.27	-0.01	-0.01	0.02	0.003	-10	-1	-10	1	-0.01	8	-10	-1	2	0.002

Geochemical Grade Assay of Stream Sadiments collected in Lomba Grande district

Sample No.	Ag ppm	Cd ppm	Cu ppm	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Co ppm	Cr ppm	Fe %	K %	Mg %	Na %	P %	Sb ppm	Sc ppm	Sn ppm	Sr ppm	Ti %	V ppm	W ppm	Y ppm	Zr ppm	S %
CK-S-161	-0.2	-0.5	20	112	-2	5	14	25	1.24	-10	38	-1	-10	0.09	3	22	2.93	0.03	0.09	0.02	0.010	-10	7	-10	10	0.03	94	-10	3	27	0.004
CK-S-162	-0.2	-0.5	10	103	-2	3	10	19	0.72	-10	32	-1	-10	0.07	3	14	1.94	0.02	0.06	0.01	0.009	-10	4	-10	6	0.02	62	-10	2	16	0.004
CK-S-163	-0.2	-0.5	3	128	-2	-1	6	13	0.17	-10	23	-1	-10	0.03	3	3	0.69	-0.01	0.01	0.01	0.008	-10	-1	-10	2	-0.01	18	-10	1	3	0.004
CK-S-164	-0.2	-0.5	5	156	-2	4	7	13	0.30	-10	29	-1	-10	0.03	3	5	0.73	-0.01	0.02	0.01	0.006	-10	2	-10	3	-0.01	21	-10	2	5	0.004
CK-S-165	-0.2	-0.5	11	152	-2	4	8	18	0.34	-10	22	-1	-10	0.05	3	6	1.74	-0.01	0.02	0.02	0.017	-10	2	-10	3	0.02	32	-10	1	6	0.008
CK-S-166	-0.2	-0.5	3	50	-2	3	5	11	0.31	-10	24	-1	-10	0.04	2	4	0.47	0.02	0.04	0.03	0.006	-10	-1	-10	3	0.01	11	-10	2	3	0.004
CK-S-167	-0.2	-0.5	2	57	-2	3	6	8	0.18	-10	27	-1	-10	0.02	2	3	0.27	0.02	0.02	0.02	0.005	-10	-1	-10	3	-0.01	6	-10	2	2	0.003
CK-S-168	-0.2	-0.5	10	347	-2	7	12	43	0.86	-10	56	-1	-10	0.09	10	15	2.45	0.03	0.09	0.02	0.010	-10	5	-10	8	0.05	66	-10	3	15	0.003
CK-S-169	-0.2	-0.5	20	100	-2	8	7	21	0.50	12	29	-1	-10	0.26	4	9	0.82	0.02	0.10	0.05	0.016	-10	1	-10	10	0.03	24	-10	2	6	0.011
CK-S-170	-0.2	-0.5	2	81	-2	3	5	12	0.24	-10	19	-1	-10	0.05	2	6	0.74	0.01	0.02	0.03	0.005	-10	1	-10	3	0.04	31	-10	1	6	0.002
CK-S-172	-0.002	-0.5	2	48	-2	-1	7	15	0.22	-10	30	-1	-10	0.04	2	3	0.33	0.04	0.04	0.02	0.004	-10	-1	-10	3	-0.01	8	-10	2	2	0.003
CK-S-173	-0.2	-0.5	4	156	-2	2	9	19	0.34	-10	66	-1	-10	0.06	4	6	0.73	0.03	0.05	0.02	0.006	-10	1	-10	6	-0.01	16	-10	3	4	0.005
CK-S-174	-0.2	-0.5	2	39	-2	-1	5	14	0.13	-10	23	-1	-10	0.04	1	2	0.27	0.02	0.03	0.01	0.003	-10	-1	-10	3	-0.01	6	-10	1	2	0.002
CK-S-175	-0.2	-0.5	6	139	-2	6	9	21	0.67	-10	58	-1	-10	0.28	4	12	0.89	0.07	0.14	0.04	0.008	-10	2	-10	12	0.02	23	-10	4	7	0.003
CK-S-176	-0.2	-0.5	7	80	-2	9	8	20	0.46	-10	39	-1	-10	0.11	3	14	0.63	0.04	0.10	0.02	0.006	-10	1	-10	7	0.02	18	-10	3	4	0.003
CK-S-177	-0.2	-0.5	3	137	-2	2	6	18	0.38	-10	39	-1	-10	0.06	3	6	0.58	0.04	0.05	0.02	0.010	-10	1	-10	7	0.01	11	-10	3	2	0.005
CK-S-178	-0.005	-0.5	-1	80	-2	2	5	10	0.32	-10	31	-1	-10	0.04	2	4	0.38	0.04	0.04	0.02	0.006	-10	-1	-10	6	-0.01	8	-10	3	3	0.003
CK-S-179	-0.2	-0.5	2	178	-2	3	6	14	0.42	-10	41	-1	-10	0.04	3	6	0.44	0.06	0.06	0.02	0.009	-10	1	-10	7	0.01	9	-10	4	2	0.006
CK-S-180	-0.2	-0.5	-1	402	-2	3	8	17	0.53	-10	61	-1	-10	0.07	5	7	0.65	0.07	0.07	0.02	0.013	-10	1	-10	10	-0.01	10	-10	3	2	0.006
CK-S-181	-0.2	-0.5	-1	163	-2	4	7	15	0.45	-10	43	-1	-10	0.06	3	6	0.56	0.10	0.09	0.02	0.010	-10	1	-10	10	-0.01	7	-10	3	3	0.004
CK-S-182	-0.2	-0.5	10	55	-2	3	14	32	0.28	-10	27	-1	-10	0.05	1	4	0.35	0.03	0.03	0.02	0.005	-10	-1	-10	6	-0.01	8	-10	1	2	0.003

Note: Certificate data underlined are recommended values; other values are proposed except those preceded by a "(" which are information values.

Barite, gahnite, chromite, cassiterite, zircon, sphene, and magnetite may not be totally dissolved.

"-" means under detected limit.

Geochemical Grade Assay of Stream Sediments collected in São Gabriel District

Sample No.	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
OC-S-001	-0.2	-0.5	3	113	-2	2	6	6	0.23	-10	32	-1	-10	0.05	2	5	0.43	0.02	0.04	0.02	0.004	-10	-1	-10	4	0.04	10	-10	3	5	0.004
OC-S-002	-0.2	-0.5	5	157	-2	2	5	6	0.28	-10	38	-1	-10	0.05	4	3	0.78	0.03	0.04	0.02	0.010	-10	1	-10	3	0.03	23	-10	4	6	0.003
OC-S-003	-0.2	-0.5	52	611	-2	13	9	64	0.98	-10	88	1	-10	0.20	20	7	4.71	0.04	0.16	0.04	0.016	-10	8	-10	19	0.32	355	-10	10	32	0.006
OC-S-004	-0.2	0.6	84	1032	-2	19	16	95	2.12	-10	184	2	-10	0.41	34	9	7.60	0.07	0.27	0.05	0.044	-10	17	-10	44	0.39	450	-10	25	49	0.010
OC-S-005	-0.2	-0.5	6	164	-2	1	5	5	0.22	-10	33	-1	-10	0.03	3	4	0.57	0.01	0.02	0.02	0.005	-10	1	-10	3	0.06	19	-10	3	9	0.002
OC-S-006	-0.2	-0.5	33	536	-2	10	11	58	0.73	-10	86	1	-10	0.11	16	10	4.36	0.03	0.09	0.03	0.014	-10	6	-10	12	0.32	342	-10	10	34	0.005
OC-S-007	-0.2	-0.5	33	944	-2	9	10	45	0.72	-10	139	1	-10	0.20	18	8	3.36	0.04	0.12	0.03	0.022	-10	5	-10	26	0.20	201	-10	10	34	0.005
OC-S-008	-0.2	-0.5	8	149	-2	2	6	13	0.28	-10	51	-1	-10	0.05	4	2	0.99	0.02	0.04	0.02	0.009	-10	2	-10	6	0.07	44	-10	5	18	0.003
OC-S-009	-0.2	-0.5	17	343	-2	3	8	24	0.30	-10	74	-1	-10	0.09	8	4	2.00	0.02	0.05	0.02	0.012	-10	3	-10	12	0.13	116	-10	7	25	0.003
OC-S-010	-0.2	-0.5	25	401	-2	5	8	26	0.46	-10	56	-1	-10	0.09	14	5	2.57	0.01	0.05	0.02	0.011	-10	5	-10	8	0.12	175	-10	7	20	0.004
OC-S-011	-0.2	-0.5	46	406	-2	6	14	51	0.86	-10	193	1	-10	0.20	11	4	3.83	0.05	0.15	0.03	0.020	-10	7	-10	38	0.25	203	-10	15	60	0.005
OC-S-012	-0.2	-0.5	16	295	-2	3	10	17	0.57	-10	83	-1	-10	0.15	6	5	1.31	0.03	0.06	0.02	0.022	-10	2	-10	10	0.02	33	-10	8	6	0.006
OC-S-013	-0.2	-0.5	35	529	-2	11	9	43	1.14	-10	122	1	-10	0.19	15	12	3.18	0.04	0.14	0.02	0.017	-10	8	-10	25	0.19	169	-10	14	42	0.006
OC-S-014	-0.2	-0.5	13	233	-2	4	6	18	0.46	-10	55	-1	-10	0.06	5	5	1.39	0.02	0.05	0.02	0.008	-10	3	-10	11	0.10	72	-10	6	23	0.003
OC-S-015	-0.2	0.7	109	2457	-2	20	23	97	2.80	-10	453	3	-10	0.51	67	7	10.12	0.12	0.38	0.04	0.039	-10	22	-10	123	0.49	489	-10	33	105	0.011
OC-S-016	-0.2	-0.5	20	812	-2	2	30	67	2.00	-10	790	4	-10	0.39	10	6	4.31	0.13	0.21	0.03	0.034	-10	12	-10	114	0.26	56	-10	37	133	0.016
OC-S-017	-0.2	-0.5	106	1628	-2	8	24	108	2.08	-10	384	4	-10	0.39	31	4	8.04	0.11	0.29	0.03	0.036	-10	18	-10	69	0.64	447	-10	37	116	0.014
OC-S-018	-0.2	-0.5	19	768	-2	1	28	56	1.58	-10	439	3	-10	0.34	9	5	4.52	0.09	0.21	0.02	0.033	-10	11	-10	99	0.18	53	-10	32	119	0.011
OC-S-019	-0.2	-0.5	15	847	-2	-1	25	49	1.41	-10	406	3	-10	0.30	8	4	3.59	0.07	0.15	0.02	0.036	-10	10	-10	52	0.10	40	-10	37	58	0.013
OC-S-020	-0.2	-0.5	52	778	-2	11	18	57	1.20	-10	273	3	-10	0.40	19	5	6.09	0.06	0.23	0.04	0.035	-10	12	-10	68	0.21	293	-10	25	70	0.012
OC-S-021	-0.2	-0.5	23	521	-2	2	18	44	0.64	-10	360	2	-10	0.26	7	5	2.96	0.06	0.12	0.02	0.026	-10	7	-10	63	0.16	81	-10	20	67	0.007
OC-S-022	-0.2	-0.5	12	200	-2	2	10	15	0.30	-10	87	-1	-10	0.08	3	3	1.25	0.02	0.05	0.02	0.008	-10	2	-10	15	0.09	41	-10	5	29	0.003
OC-S-023	-0.2	-0.5	6	212	-2	1	10	8	0.18	-10	50	-1	-10	0.04	3	4	0.88	-0.01	0.02	0.01	0.005	-10	2	-10	7	0.08	22	-10	3	18	0.003
OC-S-024	-0.2	-0.5	9	223	-2	2	18	10	0.20	-10	42	-1	-10	0.04	3	7	1.22	-0.01	0.03	0.01	0.004	-10	2	-10	7	0.20	54	-10	4	21	0.003
OC-S-025	-0.2	-0.5	9	290	-2	2	15	13	0.37	-10	108	-1	-10	0.08	5	6	1.72	0.02	0.04	0.01	0.009	-10	3	-10	23	0.11	55	-10	6	32	0.003
OC-S-026	-0.2	-0.5	38	301	-2	8	8	52	0.44	-10	68	-1	-10	0.05	12	4	3.64	0.02	0.08	0.02	0.011	-10	4	-10	9	0.32	303	-10	7	49	0.003
OC-S-027	-0.2	0.7	99	976	-2	16	17	104	1.77	-10	222	3	-10	0.40	31	6	8.26	0.07	0.27	0.05	0.035	-10	14	-10	43	0.55	532	-10	23	99	0.009
OC-S-028	-0.2	-0.5	44	623	-2	8	12	60	1.12	-10	165	2	-10	0.22	15	5	4.18	0.04	0.17	0.03	0.023	-10	9	-10	30	0.26	232	-10	19	63	0.006
OC-S-029	-0.2	0.6	107	969	-2	15	18	137	1.40	-10	251	3	-10	0.30	30	6	9.09	0.06	0.21	0.03	0.031	-10	13	-10	40	0.61	739	-10	27	88	0.009
OC-S-030	-0.2	-0.5	17	2012	-2	-1	29	50	1.54	-10	313	4	-10	0.25	17	4	3.70	0.06	0.14	0.02	0.035	-10	10	-10	44	0.10	41	-10	38	62	0.013
OC-S-031	-0.2	-0.5	59	988	-2	10	16	73	1.22	-10	271	3	-10	0.38	28	7	6.50	0.06	0.23	0.02	0.035	-10	14	-10	57	0.24	318	-10	27	76	0.009
OC-S-032	-0.2	-0.5	37	901	-2	7	11	46	1.15	-10	176	2	-10	0.22	20	7	3.75	0.05	0.13	0.02	0.019	-10	9	-10	41	0.20	184	-10	18	57	0.007
OC-S-033	-0.2	-0.5	7	120	-2	1	6	7	0.34	-10	30	-1	-10	0.02	4	4	0.62	0.01	0.01	0.01	0.005	-10	2	-10	2	0.04	19	-10	4	4	0.005
OC-S-034	-0.2	-0.5	40	951	-2	14	6	39	1.28	-10	135	1	-10	0.27	27	20	3.92	0.04	0.21	0.03	0.011	-10	10	-10	31	0.15	186	-10	12	40	0.004
OC-S-035	-0.2	-0.5	4	115	-2	-1	3	2	0.08	-10	9	-1	-10	-0.01	2	2	0.18	-0.01	-0.01	0.01	0.001	-10	-1	-10	-1	0.03	9	-10	1	2	0.002
OC-S-036	-0.2	-0.5	20	432	-2	5	6	21	0.51	-10	78	-1	-10	0.07	9	8	1.60	0.02	0.06	0.02	0.009	-10	4	-10	10	0.11	97	-10	6	22	0.003
OC-S-037	-0.2	-0.5	48	1084	-2	10	26	70	2.57	-10	852	4	-10	0.54	21	9	5.99	0.14	0.37	0.03	0.041	-10	15	-10	140	0.25	122	-10	32	105	0.020
OC-S-038	-0.2	-0.5	8	112	-2	2	9	5	0.35	-10	31	-1	-10	0.03	2	5	0.87	0.01	0.02	0.01	0.004	-10	2	-10	3	0.08	47	-10	4	11	0.003
OC-S-039	-0.2	-0.5	50	388	-2	6	9	38	0.32	-10	51	-1	-10	0.05	11	11	2.85	0.01	0.03	0.02	0.007	-10	3	-10	7	0.25	241	-10	4	29	0.003
OC-S-040	-0.2	-0.5	12	159	-2	2	12	12	0.56	-10	65	-1	-10	0.06	3	6	1.30	0.02	0.04	0.01	0.007	-10	3	-10	16	0.08	53	-10	7	20	0.004
OC-S-041	-0.2	1.3	204	1745	-2	23	18	96	0.98	-10	335	5	-10	0.34	59	64	14.87	0.03	0.15	0.04	0.071	-10	10	-10	33	0.26	779	-10	26	71	0.006
OC-S-042	-0.2	-0.5	63	812	-2	7	16	46	0.79	-10	241	2	-10	0.31	26	7	4.53	0.03	0.15	0.02	0.020	-10	11	-10	34	0.12	234	-10	28	41	0.009
OC-S-043	-0.2	1.1	198	3478	-2	23	21	99	2.04	-10	557	4	-10	0.54	91	39	16.01	0.07	0.30	0.05	0.048	-10	20	-10	58	0.37	897	-10	42	91	0.004
OC-S-044	-0.2	0.5	112	1924	-2	11	25	84	1.51	-10	347	3	-10	0.32	42	10	7.66	0.07	0.20	0.03	0.029	-10	14	-10	58	0.40	424	-10	34	70	0.008
OC-S-045	-0.2	1.4	142	2250	-2	24	30	91	3.21	-10	356	4	-10	0.50	76	60	17.67	0.06	0.28	0.06	0.060	-10	28	-10	42	0.23	670	-10	38	78	0.009
OC-S-046	-0.2	-0.5	61	1270	-2	10	26	64	2.14	-10	385	3	-10	0.41	22	15	5.38	0.08	0.26	0.04	0.028	-10	15	-10	82	0.23	174	-10	47	83	0.012
OC-S-047	-0.2	-0.5	34	742	-2	3	24	58	1.47	-10	217	2	-10	0.15	11	14	4.87	0.04	0.08	0.02	0.038	-10	9	-10	24	0.22	89	-10	20	81	0.012
OC-S-048	-0.2	-0.5	9	211	-2	1	4	8	0.22	-10	41	-1	-10	0.04	5	2	0.91	0.01	0.02	0.02	0.008	-10	1	-10	4	0.03	24	-10	3	13	0.003
OC-S-049	-0.2	1.0	117	1735	-2	22	19	92	2.20	-10	362	3	-10	0.36	63	29	9.80	0.05	0.24	0.04	0.036	-10	19	-10	48	0.42	483	-10	29	68	0.005
OC-S-050	-0.2	1.1	161	4818	-2	26	21	79	2.42	-10	1325	4	-10	0.66	126	14	14.03	0.10	0.41	0.07	0.051	-10	19	-10	101	0.25	649	-10	39	51	0.005
OC-S-051	-0.2	0.9	118	3152	-2	22	19	71	2.40	-10	511	3	-10	0.70	83	13	9.55	0.07	0.42	0.05	0.034	-10	21	-10	86	0.27	438	-10	38	85	0.006

Geochemical Grade Assay of Stream Sediments collected in São Gabriel District

Sample No.	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
OC-S-052	-0.2	0.9	94	1463	-2	12	20	81	1.94	-10	291	3	-10	0.37	38	11	8.68	0.08	0.23	0.03	0.030	-10	18	-10	50	0.36	433	-10	34	110	0.008
OC-S-053	-0.2	-0.5	6	694	-2	-1	3	5	0.12	-10	51	-1	-10	0.02	11	2	0.54	-0.01	-0.01	0.01	0.004	-10	-1	-10	2	0.01	22	-10	2	3	0.002
OC-S-054	-0.2	-0.5	5	40	-2	-1	2	3	0.03	-10	10	-1	-10	-0.01	1	1	0.36	-0.01	-0.01	0.01	0.002	-10	-1	-10	-1	0.01	24	-10	-1	3	0.002
OC-S-055	-0.2	-0.5	14	250	-2	4	5	15	0.45	-10	40	-1	-10	0.07	8	9	1.46	0.02	0.06	0.03	0.009	-10	3	-10	9	0.06	72	-10	4	13	0.003
OC-S-056	-0.2	-0.5	4	98	-2	-1	4	2	0.18	-10	16	-1	-10	0.01	1	3	0.23	-0.01	0.01	0.02	0.002	-10	-1	-10	2	0.04	10	-10	2	3	0.002
OC-S-057	-0.2	-0.5	83	1344	-2	21	14	63	2.43	-10	240	1	-10	0.90	30	37	5.78	0.04	0.44	0.06	0.016	-10	20	-10	54	0.27	206	-10	29	46	0.005
OC-S-058	-0.2	-0.5	27	829	-2	6	10	25	0.66	-10	99	-1	-10	0.17	17	7	2.30	0.02	0.11	0.04	0.011	-10	6	-10	14	0.29	107	-10	9	29	0.004
OC-S-059	-0.2	-0.5	81	1044	-2	3	30	76	2.07	-10	799	3	-10	0.35	13	8	4.97	0.13	0.24	0.04	0.028	-10	13	-10	108	0.27	113	-10	39	66	0.014
OC-S-060	-0.2	-0.5	91	1821	-2	16	22	77	2.00	-10	439	3	-10	0.59	41	12	7.26	0.09	0.36	0.07	0.050	-10	15	-10	88	0.25	314	-10	39	37	0.007
OC-S-061	-0.010	0.5	82	1547	-2	15	17	66	2.62	-10	336	2	-10	0.60	38	13	6.49	0.07	0.36	0.05	0.028	-10	20	-10	58	0.21	239	-10	41	56	0.010
OC-S-062	-0.2	1.4	174	4485	-2	29	25	83	2.61	-10	1133	5	-10	0.63	120	22	17.60	0.08	0.39	0.06	0.052	-10	21	-10	89	0.22	870	-10	53	81	0.005
OC-S-063	-0.2	0.5	88	1845	-2	11	21	66	2.49	-10	343	2	-10	0.43	42	12	6.37	0.06	0.26	0.04	0.032	-10	22	-10	56	0.22	229	-10	46	58	0.009
OC-S-064	-0.2	-0.5	38	1079	-2	9	15	30	0.69	-10	153	-1	-10	0.28	25	13	2.99	0.02	0.13	0.02	0.023	-10	9	-10	21	0.08	140	-10	17	20	0.008
OC-S-065	-0.2	0.7	100	1638	-2	14	28	87	1.63	-10	288	4	-10	0.37	60	27	10.99	0.05	0.22	0.04	0.075	-10	16	-10	37	0.24	505	-10	37	54	0.009
OC-S-066	-0.006	-0.5	56	1390	-2	12	18	54	1.38	-10	242	2	-10	0.37	36	15	5.17	0.03	0.21	0.04	0.032	-10	14	-10	39	0.31	251	-10	26	45	0.006
OC-S-067	-0.2	-0.5	79	1831	-2	22	15	63	1.84	-10	376	2	-10	0.68	59	20	7.41	0.03	0.36	0.06	0.035	-10	17	-10	57	0.28	387	-10	27	47	0.005
OC-S-068	-0.2	-0.5	77	1467	-2	16	13	58	1.48	-10	280	1	-10	0.50	36	16	5.86	0.03	0.24	0.05	0.037	-10	13	-10	39	0.30	281	-10	22	40	0.006
OC-S-069	-0.2	1.0	187	4556	-2	44	40	65	2.91	-10	1209	3	-10	0.51	91	66	13.59	0.05	0.29	0.03	0.054	-10	26	-10	51	0.15	527	-10	40	53	0.005
OC-S-070	-0.2	-0.5	19	641	-2	5	6	26	0.56	-10	75	-1	-10	0.05	18	23	2.69	0.01	0.03	0.02	0.015	-10	4	-10	5	0.05	109	-10	5	16	0.004
OC-S-071	-0.2	-0.5	5	54	-2	-1	6	2	0.20	-10	14	-1	-10	-0.01	-1	3	0.18	-0.01	-0.01	0.02	0.003	-10	-1	-10	-1	0.04	9	-10	4	3	0.003
OC-S-072	-0.2	-0.5	2	62	-2	1	4	1	0.23	-10	19	-1	-10	0.01	2	4	0.31	-0.01	-0.01	0.02	0.003	-10	-1	-10	1	0.03	12	-10	2	3	0.003
OC-S-073	-0.2	-0.5	1	52	-2	1	5	1	0.17	-10	17	-1	-10	-0.01	1	3	0.21	-0.01	-0.01	0.02	0.003	-10	-1	-10	-1	0.02	7	-10	2	2	0.003
OC-S-074	-0.2	-0.5	3	44	-2	-1	4	2	0.12	-10	14	-1	-10	0.01	1	3	0.21	-0.01	-0.01	0.02	0.002	-10	-1	-10	1	0.02	11	-10	1	2	0.002
OC-S-075	-0.2	-0.5	24	295	-2	5	9	36	0.48	-10	58	-1	-10	0.08	13	7	3.02	0.01	0.08	0.01	0.009	-10	6	-10	6	0.12	183	-10	9	30	0.005
OC-S-076	-0.2	-0.5	9	419	-2	2	3	10	0.12	-10	39	-1	-10	0.02	12	6	1.02	-0.01	0.01	0.02	0.007	-10	1	-10	3	0.01	35	-10	2	4	0.002
OC-S-077	-0.2	-0.5	5	183	-2	-1	3	3	0.07	-10	22	-1	-10	0.01	2	2	0.20	-0.01	-0.01	0.01	0.002	-10	-1	-10	1	0.01	9	-10	1	3	0.002
OC-S-078	-0.2	-0.5	7	174	-2	-1	5	6	0.16	-10	23	-1	-10	0.03	3	3	0.49	-0.01	0.01	0.01	0.004	-10	1	-10	3	0.03	23	-10	2	7	0.002
OC-S-079	-0.2	-0.5	5	97	-2	2	6	6	0.24	-10	28	-1	-10	0.01	4	6	0.56	-0.01	0.01	0.01	0.004	-10	2	-10	2	0.03	24	-10	3	4	0.003
OC-S-080	-0.2	0.6	88	1697	-2	16	18	52	1.79	-10	305	2	-10	0.61	41	14	6.58	0.04	0.39	0.03	0.025	-10	19	-10	39	0.13	228	-10	32	82	0.005
OC-S-081	-0.2	-0.5	9	136	-2	1	5	8	0.25	-10	29	-1	-10	0.04	3	4	0.86	-0.01	0.03	0.01	0.005	-10	2	-10	4	0.07	43	-10	3	13	0.002
OC-S-082	-0.2	-0.5	11	489	-2	2	16	13	0.21	-10	61	-1	-10	0.03	10	8	1.29	-0.01	0.03	0.01	0.004	-10	4	-10	3	0.19	58	-10	4	25	0.002
OC-S-083	-0.004	-0.5	35	894	-2	7	26	25	0.73	-10	133	-1	-10	0.27	25	15	3.34	0.02	0.14	0.02	0.022	-10	7	-10	16	0.13	185	-10	17	37	0.004
OC-S-084	-0.2	-0.5	5	84	-2	-1	2	2	0.08	-10	14	-1	-10	0.01	1	1	0.14	-0.01	-0.01	0.01	0.002	-10	-1	-10	1	-0.01	6	-10	1	2	0.002
OC-S-085	-0.2	-0.5	4	576	-2	-1	-2	1	0.07	-10	40	-1	-10	0.01	4	1	0.22	-0.01	-0.01	0.02	0.002	-10	-1	-10	2	-0.01	11	-10	-1	2	0.001
OC-S-086	-0.2	-0.5	6	265	-2	-1	3	4	0.10	-10	39	-1	-10	0.05	4	2	0.43	-0.01	0.02	0.01	0.006	-10	-1	-10	4	-0.01	15	-10	3	4	0.002
OC-S-087	-0.2	-0.5	5	24	-2	-1	3	2	0.05	-10	19	-1	-10	0.02	-1	-1	0.12	-0.01	-0.01	0.01	0.002	-10	-1	-10	2	-0.01	4	-10	1	1	0.002
OC-S-088	-0.003	-0.5	3	77	-2	1	4	4	0.12	-10	28	-1	-10	0.04	2	2	0.35	-0.01	0.02	0.01	0.005	-10	-1	-10	3	-0.01	11	-10	2	3	0.003
OC-S-089	-0.003	-0.5	6	32	-2	-1	2	2	0.08	-10	23	-1	-10	0.02	-1	1	0.11	-0.01	-0.01	0.01	0.003	-10	-1	-10	2	-0.01	3	-10	1	1	0.003
OC-S-090	-0.2	-0.5	138	855	-2	30	7	55	1.33	-10	180	-1	-10	0.79	25	18	4.85	0.06	0.55	0.13	0.042	-10	9	10	49	0.16	222	-10	21	51	0.003
OC-S-091	-0.2	1.0	106	4709	-2	23	31	55	1.76	-10	530	2	-10	0.61	72	32	9.58	0.03	0.28	0.03	0.045	-10	18	-10	47	0.14	337	-10	32	60	0.005
OC-S-092	-0.2	-0.5	40	960	-2	7	19	32	0.45	-10	129	-1	-10	0.16	18	13	2.77	0.01	0.09	0.02	0.014	-10	7	-10	15	0.33	164	-10	12	48	0.003
OC-S-093	-0.2	-0.5	23	229	-2	6	13	22	0.10	-10	87	-1	-10	0.08	6	13	2.21	-0.01	0.05	0.02	0.003	-10	5	-10	7	0.68	157	-10	4	44	0.004
OC-S-094	-0.003	0.7	84	1157	-2	18	24	49	0.79	-10	203	1	-10	0.24	35	40	5.81	0.01	0.15	0.01	0.012	-10	13	-10	20	0.32	306	-10	21	61	0.003
OC-S-095	-0.2	0.8	138	3902	-2	26	19	93	2.69	-10	404	3	-10	0.49	75	47	11.39	0.05	0.29	0.02	0.094	-10	34	-10	43	0.25	407	-10	44	54	0.013
OC-S-097	-0.2	0.8	122	2923	-2	33	36	54	1.42	-10	435	3	-10	0.63	84	60	10.64	0.02	0.30	0.02	0.047	-10	20	-10	53	0.03	475	-10	44	35	0.008
OC-S-098	-0.2	-0.5	31	1180	-2	6	16	37	0.42	-10	142	-1	-10	0.21	25	9	2.46	0.01	0.09	0.02	0.021	-10	7	-10	19	0.10	137	-10	15	25	0.005
OC-S-099	-0.2	1.0	109	4925	-2	22	36	56	1.03	-10	949	4	-10	0.37	73	46	12.90	0.03	0.13	0.02	0.059	-10	15	-10	36	0.07	638	-10	40	43	0.008
OC-S-101	-0.2	0.6	74	2489	-2	23	21	58	1.26	-10	360	2	-10	0.65	54	33	5.83	0.03	0.32	0.03	0.030	-10	14	-10	51	0.12	232	-10	28	48	0.006
OC-S-102	-0.2	-0.5	50	886	-2	16	29	55	0.85	-10	225	-1	-10	0.48	17	41	3.28	0.02	0.19	0.04	0.011	-10	11	-10	30	0.26	195	-10	18	48	0.003
OC-S-103	-0.2	-0.5	52	919	-2	12	17	64	1.99	-10	217	1	-10	0.59	20	16	4.88	0.04	0.34	0.03	0.030	-10	16	-10	42	0.20	172	-10	22	52	0.008
OC-S-104	-0.2	0.8	143	2231	-2	25	31	46	2.49	-10	360	3	-10	0.35	65	59	11.02	0.04	0.21	0.02	0.034	-10	27	-10	31	0.11	409	-10	36	57	0.004

Geochemical Grade Assay of Stream Sediments collected in São Gabriel District

Sample No.	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	Ba	Be	Bi	Ca	Co	Cr	Fe	K	Mg	Na	P	Sb	Sc	Sn	Sr	Ti	V	W	Y	Zr	S
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
OC-S-105	-0.2	1.0	96	2513	-2	16	48	35	1.94	-10	401	3	-10	0.40	52	46	11.00	0.03	0.20	0.02	0.036	-10	15	-10	36	0.08	502	-10	23	60	0.004
OC-S-106	-0.2	1.1	127	3736	-2	28	50	80	2.61	20	565	6	-10	0.63	96	51	16.79	0.05	0.30	0.02	0.180	-10	27	-10	58	0.11	699	-10	59	61	0.007
OC-S-107	-0.2	-0.5	29	563	-2	6	11	27	0.91	-10	99	-1	-10	0.23	15	10	2.97	0.02	0.13	0.02	0.018	-10	8	-10	17	0.11	110	-10	11	30	0.003
OC-S-109	-0.2	0.7	84	11209	-2	65	60	36	1.40	10	2495	2	-10	1.28	299	19	6.17	0.04	0.29	0.04	0.037	-10	10	-10	46	0.14	441	-10	47	44	0.003
OC-S-110	-0.2	-0.5	10	232	-2	2	5	10	0.24	-10	51	-1	-10	0.15	6	5	0.93	0.01	0.07	0.02	0.007	-10	3	-10	22	0.04	49	-10	5	13	0.003
OC-S-111	-0.2	-0.5	26	383	-2	9	22	38	0.51	-10	122	-1	-10	0.34	18	12	2.42	0.02	0.16	0.02	0.026	-10	4	-10	26	0.14	216	-10	13	30	0.010
OC-S-112	-0.2	-0.5	42	3375	-2	14	33	23	0.57	-10	329	1	-10	0.30	68	14	3.24	0.02	0.14	0.02	0.041	-10	7	-10	26	0.06	169	-10	16	26	0.002
OC-S-113	-0.2	-0.5	26	1230	-2	6	15	20	0.65	-10	152	-1	-10	0.19	22	11	3.41	0.02	0.09	0.02	0.028	-10	6	-10	14	0.06	134	-10	11	24	0.003
OC-S-114	-0.2	1.6	162	4090	-2	30	33	101	2.68	-10	616	6	-10	0.51	114	68	19.89	0.04	0.25	0.03	0.154	-10	28	-10	49	0.20	889	-10	56	72	0.009
OC-S-115	-0.2	0.9	177	2125	-2	29	16	98	3.05	-10	517	3	-10	0.87	71	24	10.40	0.08	0.72	0.06	0.039	-10	39	11	90	0.22	352	-10	85	114	0.008
OC-S-116	-0.2	-0.5	4	305	-2	1	4	5	0.21	-10	38	-1	-10	0.04	4	7	0.58	0.01	0.02	0.02	0.008	-10	-1	-10	4	-0.01	13	-10	3	3	0.003
OC-S-117	-0.2	-0.5	2	66	-2	1	3	2	0.21	-10	26	-1	-10	0.04	1	3	0.23	0.01	0.03	0.02	0.004	-10	-1	-10	3	0.02	7	-10	2	2	0.003
OC-S-118	-0.2	-0.5	6	38	-2	-1	3	1	0.06	-10	17	-1	-10	0.01	1	2	0.23	-0.01	-0.01	0.02	0.003	-10	-1	-10	2	-0.01	5	-10	1	2	0.003
OC-S-119	-0.2	-0.5	4	24	-2	-1	3	-1	0.04	-10	16	-1	-10	-0.01	-1	2	0.20	-0.01	-0.01	0.02	0.002	-10	-1	-10	1	-0.01	6	-10	1	2	0.002
OC-S-120	-0.2	-0.5	2	26	-2	-1	4	2	0.19	-10	28	-1	-10	0.03	-1	3	0.21	0.02	0.02	0.02	0.003	-10	-1	-10	3	0.01	5	-10	2	2	0.003
OC-S-121	-0.2	-0.5	3	30	-2	-1	4	-1	0.07	-10	16	-1	-10	0.01	-1	4	0.18	-0.01	-0.01	0.02	0.001	-10	-1	-10	2	0.02	5	-10	1	3	0.002
OC-S-122	-0.2	-0.5	7	26	-2	-1	3	1	0.04	-10	16	-1	-10	-0.01	-1	1	0.12	-0.01	-0.01	0.02	0.001	-10	-1	-10	1	-0.01	3	-10	-1	2	0.002
OC-S-123	-0.2	-0.5	3	22	-2	-1	5	1	0.13	-10	30	-1	-10	0.03	-1	3	0.12	-0.01	0.01	0.02	0.004	-10	-1	-10	2	0.02	5	-10	6	1	0.003
OC-S-124	-0.2	-0.5	8	174	-2	2	7	10	0.42	-10	52	-1	-10	0.08	4	3	0.88	0.02	0.04	0.02	0.010	-10	3	-10	14	0.04	28	-10	7	17	0.003
OC-S-125	-0.2	-0.5	7	31	-2	-1	3	2	0.10	-10	23	-1	-10	0.02	-1	2	0.15	0.01	0.01	0.02	0.003	-10	-1	-10	2	0.01	4	-10	2	2	0.003
OC-S-126	-0.02	-0.5	12	324	-2	1	4	4	0.14	-10	46	-1	-10	0.03	6	2	0.60	0.01	0.01	0.03	0.006	-10	-1	-10	2	-0.01	17	-10	2	4	0.002
OC-S-127	-0.2	-0.5	6	45	-2	-1	2	-1	0.07	-10	19	-1	-10	0.01	-1	2	0.11	0.01	-0.01	0.03	0.003	-10	-1	-10	2	-0.01	3	-10	1	2	0.002
OC-S-128	-0.2	-0.5	6	264	-2	2	9	7	0.51	-10	152	-1	-10	0.11	4	5	0.86	0.03	0.05	0.03	0.011	-10	1	-10	10	0.03	19	-10	7	5	0.004
OC-S-129	-0.2	-0.5	13	1831	-2	7	25	23	1.27	18	243	3	-10	0.29	20	16	4.69	0.08	0.17	0.03	0.059	-10	3	-10	26	-0.01	66	-10	14	13	0.006
OC-S-130	-0.2	-0.5	4	88	-2	2	5	5	0.36	-10	72	-1	-10	0.09	2	3	0.41	0.05	0.08	0.03	0.006	-10	-1	-10	13	0.01	7	-10	4	7	0.004
OC-S-131	-0.022	-0.5	11	169	-2	5	6	14	0.56	-10	187	-1	-10	0.22	4	7	0.89	0.06	0.13	0.04	0.014	-10	2	-10	25	-0.01	14	-10	5	7	0.022
OC-S-132	-0.2	-0.5	2	108	-2	1	5	2	0.22	-10	37	-1	-10	0.05	1	3	0.25	0.02	0.03	0.02	0.004	-10	-1	-10	5	0.02	5	-10	3	3	0.003
OC-S-133	-0.2	-0.5	9	230	-2	3	14	14	0.67	-10	114	-1	-10	0.16	5	5	1.11	0.05	0.09	0.03	0.013	-10	2	-10	20	-0.01	22	-10	6	8	0.006
OC-S-134	-0.2	-0.5	7	55	-2	-1	3	3	0.12	-10	25	-1	-10	0.02	2	2	0.50	0.01	0.01	0.02	0.007	-10	-1	-10	3	-0.01	11	-10	2	3	0.002
CK-S-60	-0.2	-0.5	6	75	-2	3	5	6	0.50	-10	34	-1	-10	0.12	2	6	0.66	0.02	0.06	0.04	0.012	-10	1	-10	9	0.02	15	-10	2	4	0.004
CK-S-99	-0.2	-0.5	10	1691	-2	10	7	16	0.74	-10	137	-1	-10	0.10	16	19	2.04	0.03	0.07	0.02	0.019	-10	4	-10	13	0.04	38	-10	6	6	0.008
CK-S-101	-0.2	-0.5	4	123	-2	3	7	6	0.72	-10	60	-1	-10	0.04	2	8	0.92	0.03	0.04	0.02	0.007	-10	2	-10	14	0.02	20	-10	2	5	0.004
CK-S-156	-0.2	-0.5	4	101	-2	2	5	4	0.38	-10	20	-1	-10	0.06	2	6	0.63	-0.01	0.03	0.02	0.007	-10	1	-10	4	0.02	19	-10	1	7	0.004
CK-S-163	-0.2	-0.5	4	93	-2	-1	5	3	0.24	-10	19	-1	-10	0.03	2	3	0.62	-0.01	0.02	0.01	0.007	-10	1	-10	3	-0.01	17	-10	1	3	0.005
CK-S-171	-0.2	-0.5	3	189	-2	3	6	6	0.56	-10	44	-1	-10	0.03	3	8	0.56	0.04	0.05	0.02	0.009	-10	2	-10	8	0.01	14	-10	3	2	0.007
CK-S-031	-0.2	-0.5	3	61	-2	3	3	-1	0.28	-10	28	-1	-10	0.05	2	8	0.52	0.02	0.04	0.03	0.004	-10	-1	-10	5	0.02	13	-10	2	3	0.002
CK-S-155	-0.06	-0.5	5	31	-2	1	2	3	0.23	-10	16	-1	-10	0.10	-1	4	0.38	-0.01	0.03	0.03	0.018	-10	-1	-10	5	0.01	14	-10	-1	3	0.006
CK-S-160	-0.2	-0.5	7	69	-2	2	6	5	0.42	-10	23	-1	-10	0.02	2	7	1.36	-0.01	0.02	0.02	0.010	-10	3	-10	3	0.03	38	-10	2	13	0.005
OC-S-10A	-0.2	0.8	82	1203	-2	17	23	76	2.56	-10	230	3	-10	0.39	46	13	8.48	0.08	0.29	0.03	0.043	-10	20	-10	47	0.26	376	-10	31	72	0.008
OC-S-133A	-0.2	-0.5	2	149	-2	1	4	-1	0.24	-10	47	-1	-10	25.80	1	3	0.29	0.03	0.04	0.02	0.005	-10	-1	-10	6	-0.01	7	-10	3	4	-0.001
OC-S-135	-0.2	0.8	103	1341	-2	13	17	86	2.43	-10	429	3	-10	0.52	32	6	8.76	0.11	0.38	0.05	0.051	-10	21	-10	66	0.33	313	-10	32	76	0.007

Note: Certificate data underlined are recommended values; other values are proposed except those preceded by a "(" which are information values.

Barite, gahnite, chromite, cassiterite, zircon, sphene, and magnetite may not be totally dissolved.

"-" means under detection limit.