

APPENDIX 4

Geochemical Grade Assay of Rock and Drill Core Samples

SAMPLE	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	MnO %	MgO %	CaO %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	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
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	310.0	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	26.4	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	366.8	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
KN012	51.28	14.79	11.91	0.214	5.38	10.90	2.55	0.76																					

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	1.5	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	---	0.6	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	0.1	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	<										

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
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	25.6	---	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	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	MnO %	MgO %	CaO %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	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	335.6	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	2.72	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	6.67	2.74	2.27	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	212.2	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	1.46	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	0.199	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	38.4	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																				

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	Ti ppm	Bi* ppm	Bi ppm	Th ppm	U ppm	Ag ppm	Ag ppm	Cd ppm	Cu ppm	Cu 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	5.6	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	0.3	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	0.6	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	<0.3	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	<0.3	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	24.4	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	0.7	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	<0.2	0.9	16.6	36.6	4.1	17.5	3.9	1.2	4.1	0.7	4.0	0.8	2.4	0.3	2.0	0.3	3.4	0.6	<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										

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

Geochemical Grade Assay of Rock and Drill Core Samples

SAMPLE	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	MnO %	MgO %	CaO %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	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	12.56	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	1.329	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	228.0	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	13.72	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	30.0	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	7.15	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	1.981	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	12.75	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	443.0	443.0	42.0	35.0	23.0	1.3	<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	403.0	<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	20								

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	10.8	<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	0.6	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	0.5	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																																		

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	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	MnO %	MgO %	CaO %	Na ₂ O %	K ₂ O %	TiO ₂ %	P ₂ O ₅ %	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

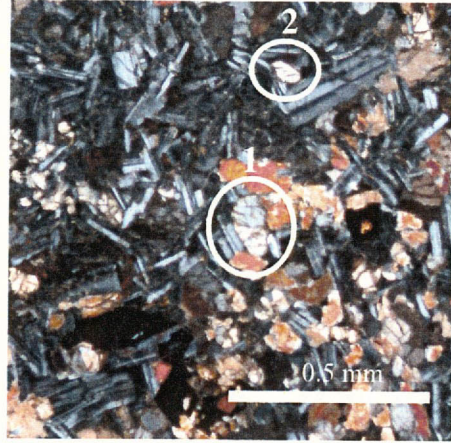
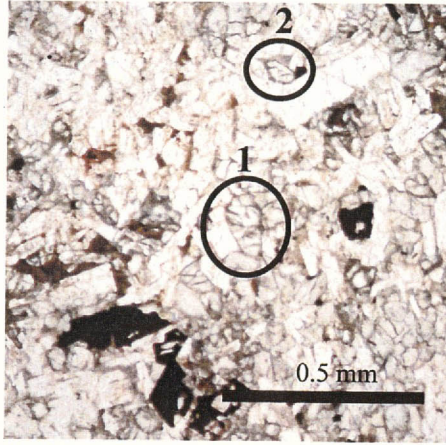
SAMPLE	Ni ppm	Ni ppm	Pb ppm	Pb ppm	Zn ppm	Zn ppm	S %	Pd ppb	Pt ppb	Au ppb
TG62-215.4	20.7	---	28.6	---	110.1	---	0.038	0.3	0.5	1.1
TG62-223.4	108.3	---	17.9	---	57.1	---	0.054	3.0	2.0	3.0
TG62-225.0	111.2	---	12.1	---	71.3	---	0.060	2.7	1.5	3.1
TG62-226.3	893.9	---	13.9	---	66.7	---	0.014	2.3	1.8	3.2
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

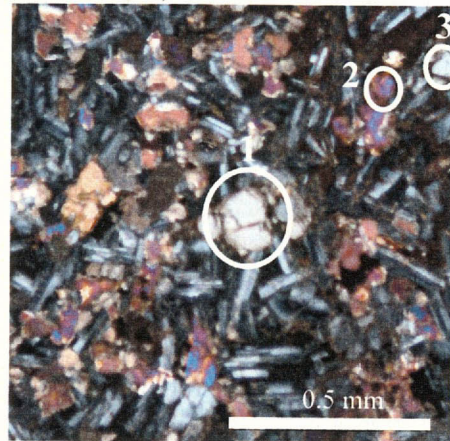
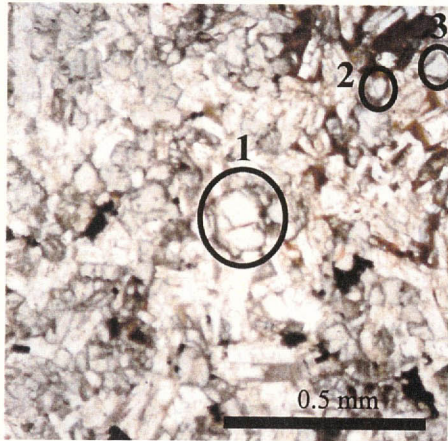
APPENDIX 5

Measuring points of EPMA

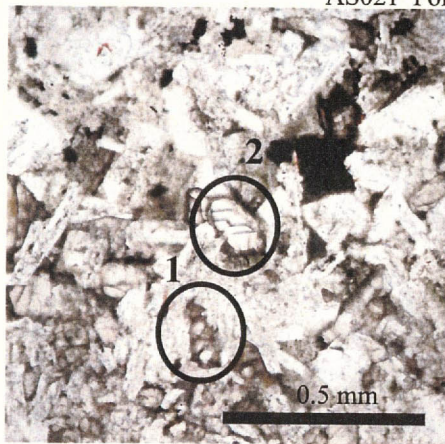
AS004 Point 9 (Lava: Ribeira)



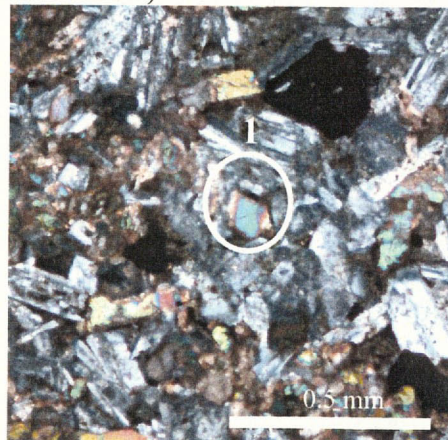
AS004A Point 10 (Lava: Ribeira)



AS021 Point 7 (Lava: Gramado)

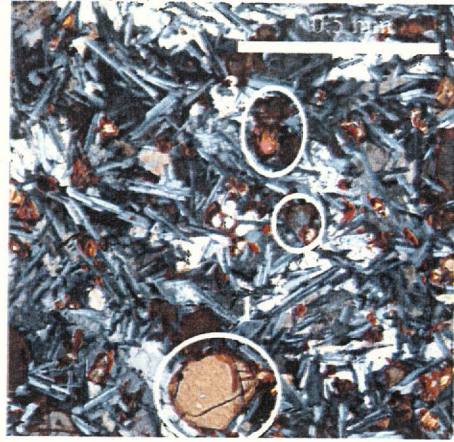
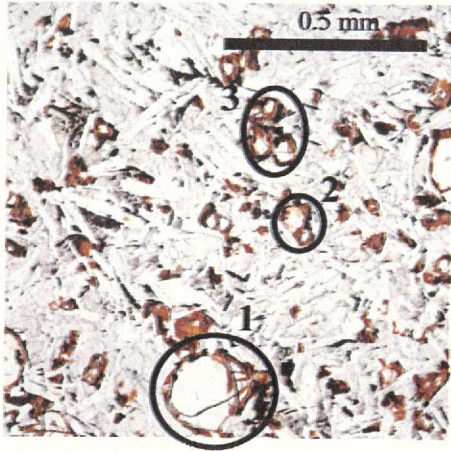


AS021 Point 8 (Lava: Gramado)

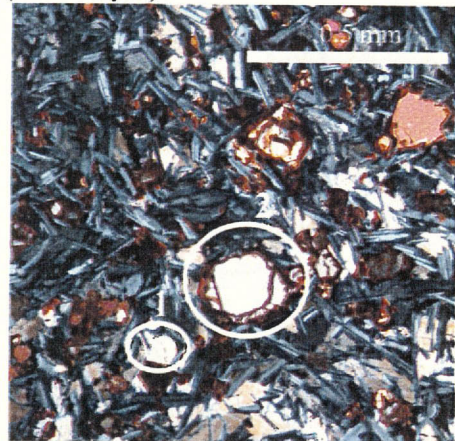
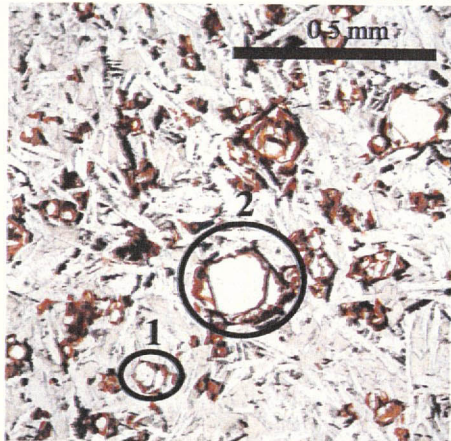


Measuring points of EPMA

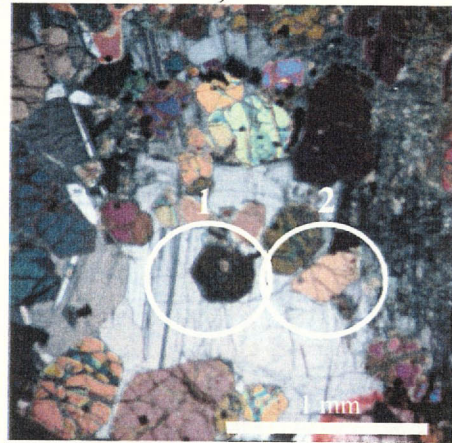
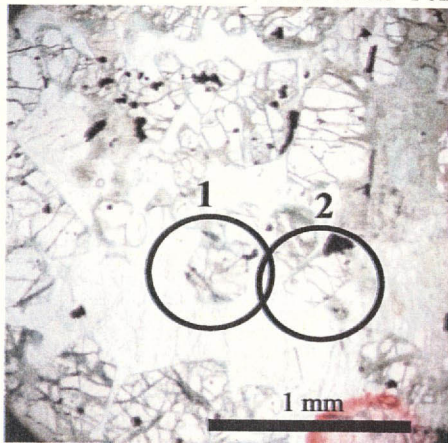
KN003 Point 5 (Feeder Dyke)



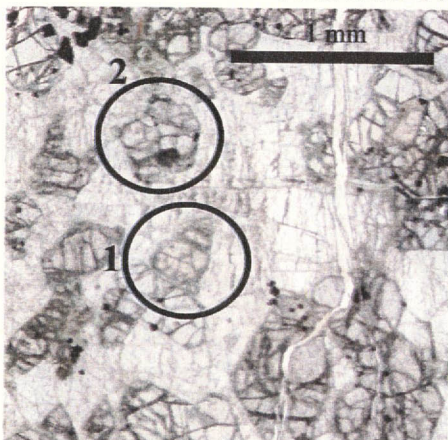
KN003 Point 6 (Feeder Dyke)



TG62-226.3 Point 1 (Intrusion: Drill Core)

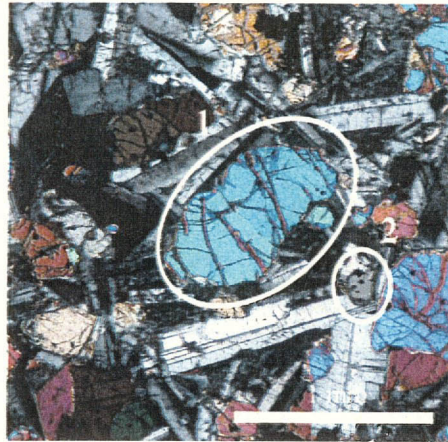
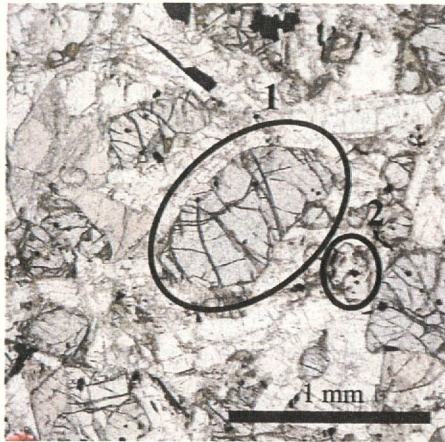


TG62-226.3 Point 2 (Intrusion: Drill Core)



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 ¹⁴³Nd/¹⁴⁴Nd Ratio and ⁸⁷Sr/⁸⁶Sr 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	3.97449016	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	0.512272	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 $\delta^{34}\text{S}$ for Sulfide Minerals

Sample	$\delta^{34}\text{S}(\text{‰})$	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	
CK-A- 1	22J	495450	UTM	6698500
CK-A- 2	22J	494900	UTM	6699000
CK-A- 3	22J	492450	UTM	6698150
CK-A- 4	22J	493000	UTM	6699100
CK-A- 5	22J	494800	UTM	6699550
CK-A- 6	22J	495000	UTM	6699650
CK-A- 7	22J	495700	UTM	6700200
CK-A- 8	22J	495850	UTM	6700400
CK-A- 9	22J	494250	UTM	6700350
CK-A- 10	22J	494150	UTM	6701550
CK-A- 11	22J	493200	UTM	6700600
CK-A- 12	22J	493100	UTM	6701400
CK-A- 13	22J	492200	UTM	6702000
CK-A- 14	22J	498150	UTM	6698500
CK-A- 15	22J	497700	UTM	6698500
CK-A- 16	22J	499300	UTM	6699550
CK-A- 17	22J	498800	UTM	6699350
CK-A- 18	22J	499100	UTM	6699650
CK-A- 19	22J	499550	UTM	6701100
CK-A- 20	22J	498200	UTM	6703000
CK-A- 21	22J	499050	UTM	6703100
CK-A- 22	22J	498500	UTM	6704000
CK-A- 23	22J	498700	UTM	6704000
CK-A- 24	22J	498650	UTM	6704650
CK-A- 25	22J	498650	UTM	6705000
CK-A- 26	22J	498300	UTM	6705200
CK-A- 27	22J	499150	UTM	6705800
CK-A- 28	22J	496450	UTM	6706100
CK-A- 29	22J	494200	UTM	6705600
CK-A- 30	22J	496900	UTM	6703400
CK-A- 31	22J	496050	UTM	6704250
CK-A- 32	22J	496100	UTM	6704400
CK-A- 33	22J	495250	UTM	6704300
CK-A- 34	22J	494100	UTM	6702900
CK-A- 35	22J	493800	UTM	6704000
CK-A- 36	22J	494750	UTM	6703700
CK-A- 37	22J	494900	UTM	6703700
CK-A- 38	22J	495300	UTM	6702750
CK-A- 39	22J	493350	UTM	6704900
CK-A- 40	22J	493200	UTM	6704900
CK-A- 41	22J	492300	UTM	6703450
CK-A- 42	22J	503750	UTM	6705700
CK-A- 43	22J	502850	UTM	6705300
CK-A- 44	22J	502900	UTM	6705450
CK-A- 45	22J	502400	UTM	6705350
CK-A- 46	22J	502700	UTM	6703000
CK-A- 47	22J	502900	UTM	6703050
CK-A- 48	22J	501750	UTM	6703600
CK-A- 49	22J	507400	UTM	6706700
CK-A- 50	22J	509500	UTM	6705950
CK-A- 51	22J	509400	UTM	6703850
CK-A- 52	22J	510000	UTM	6703900
CK-A- 53	22J	509000	UTM	6703500
CK-A- 54	22J	507950	UTM	6703000
CK-A- 55	22J	504750	UTM	6703850
CK-A- 56	22J	506300	UTM	6704050
CK-A- 57	22J	505700	UTM	6703800
CK-A- 58	22J	506700	UTM	6703200
CK-A- 59	22J	506450	UTM	6703150
CK-A- 60	22J	506600	UTM	6702900
CK-A- 61	22J	507150	UTM	6702000
CK-A- 62	22J	506650	UTM	6701700
CK-A- 63	22J	506700	UTM	6701450
CK-A- 64	22J	505800	UTM	6702150
CK-A- 65	22J	504850	UTM	6702500
CK-A- 66	22J	503900	UTM	6702950
CK-A- 67	22J	503900	UTM	6702100
CK-A- 68	22J	503900	UTM	6701100
CK-A- 69	22J	505500	UTM	6701250

Sample No.	E-W		N-S	
CK-S- 1	22J	495450	UTM	6698500
CK-S- 2	22J	494900	UTM	6699000
CK-S- 3	22J	492450	UTM	6698150
CK-S- 4	22J	493000	UTM	6699100
CK-S- 5	22J	494800	UTM	6699550
CK-S- 6	22J	495000	UTM	6699650
CK-S- 7	22J	495700	UTM	6700200
CK-S- 8	22J	495850	UTM	6700400
CK-S- 9	22J	494250	UTM	6700350
CK-S- 10	22J	494150	UTM	6701550
CK-S- 11	22J	493200	UTM	6700600
CK-S- 12	22J	493100	UTM	6701400
CK-S- 13	22J	492200	UTM	6702000
CK-S- 14	22J	498150	UTM	6698500
CK-S- 15	22J	497700	UTM	6698500
CK-S- 16	22J	499300	UTM	6699550
CK-S- 17	22J	498800	UTM	6699350
CK-S- 18	22J	499100	UTM	6699650
CK-S- 19	22J	499550	UTM	6701100
CK-S- 20	22J	498200	UTM	6703000
CK-S- 21	22J	499050	UTM	6703100
CK-S- 22	22J	498500	UTM	6704000
CK-S- 23	22J	498700	UTM	6704000
CK-S- 24	22J	498650	UTM	6704650
CK-S- 25	22J	498650	UTM	6705000
CK-S- 26	22J	498300	UTM	6705200
CK-S- 27	22J	499150	UTM	6705800
CK-S- 28	22J	496450	UTM	6706100
CK-S- 29	22J	494200	UTM	6705600
CK-S- 30	22J	496900	UTM	6703400
CK-S- 31	22J	496050	UTM	6704250
CK-S- 32	22J	496100	UTM	6704400
CK-S- 33	22J	495250	UTM	6704300
CK-S- 34	22J	494100	UTM	6702900
CK-S- 35	22J	493800	UTM	6704000
CK-S- 36	22J	494750	UTM	6703700
CK-S- 37	22J	494900	UTM	6703700
CK-S- 38	22J	495300	UTM	6702750
CK-S- 39	22J	493350	UTM	6704900
CK-S- 40	22J	493200	UTM	6704900
CK-S- 41	22J	492300	UTM	6703450
CK-S- 42	22J	503750	UTM	6705700
CK-S- 43	22J	502850	UTM	6705300
CK-S- 44	22J	502900	UTM	6705450
CK-S- 45	22J	502400	UTM	6705350
CK-S- 46	22J	502700	UTM	6703000
CK-S- 47	22J	502900	UTM	6703050
CK-S- 48	22J	501750	UTM	6703600
CK-S- 49	22J	507400	UTM	6706700
CK-S- 50	22J	509500	UTM	6705950
CK-S- 51	22J	509400	UTM	6703850
CK-S- 52	22J	510000	UTM	6703900
CK-S- 53	22J	509000	UTM	6703500
CK-S- 54	22J	507950	UTM	6703000
CK-S- 55	22J	504750	UTM	6703850
CK-S- 56	22J	506300	UTM	6704050
CK-S- 57	22J	505700	UTM	6703800
CK-S- 58	22J	506700	UTM	6703200
CK-S- 59	22J	506450	UTM	6703150
CK-S- 60	22J	506600	UTM	6702900
CK-S- 61	22J	507150	UTM	6702000
CK-S- 62	22J	506650	UTM	6701700
CK-S- 63	22J	506700	UTM	6701450
CK-S- 64	22J	505800	UTM	6702150
CK-S- 65	22J	504850	UTM	6702500
CK-S- 66	22J	503900	UTM	6702950
CK-S- 67	22J	503900	UTM	6702100
CK-S- 68	22J	503900	UTM	6701100
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	
CK-A- 139	22J	517400	UTM	6698050
CK-A- 140	22J	517900	UTM	6699500
CK-A- 141	22J	518900	UTM	6697800
CK-A- 142	22J	517350	UTM	6696050
CK-A- 143	22J	515500	UTM	6698400
CK-A- 144	22J	515600	UTM	6698450
CK-A- 145	22J	516550	UTM	6696650
CK-A- 146	22J	513800	UTM	6695850
CK-A- 147	22J	514050	UTM	6695850
CK-A- 148	22J	512700	UTM	6693450
CK-A- 149	22J	515530	UTM	6694200
CK-A- 150	22J	515550	UTM	6694200
CK-A- 151	22J	515400	UTM	6694000
CK-A- 152	22J	514450	UTM	6692450
CK-A- 153	22J	514050	UTM	6692150
CK-A- 154	22J	512850	UTM	6690900
CK-A- 155	22J	512950	UTM	6691100
CK-A- 156	22J	513650	UTM	6690400
CK-A- 157	22J	515500	UTM	6693000
CK-A- 158	22J	514700	UTM	6691250
CK-A- 159	22J	511800	UTM	6690900
CK-A- 160	22J	512950	UTM	6687850
CK-A- 161	22J	513050	UTM	6689200
CK-A- 162	22J	513350	UTM	6688800
CK-A- 163	22J	514350	UTM	6690150
CK-A- 164	22J	515000	UTM	6689600
CK-A- 165	22J	512450	UTM	6689550
CK-A- 166	22J	509700	UTM	6692700
CK-A- 167	22J	509600	UTM	6692850
CK-A- 168	22J	508300	UTM	6689550
CK-A- 169	22J	508250	UTM	6689800
CK-A- 170	22J	506550	UTM	6690350
CK-A- 171	22J	505800	UTM	6689800
CK-A- 172	22J	503150	UTM	6690450
CK-A- 173	22J	502950	UTM	6690250
CK-A- 174	22J	503200	UTM	6691950
CK-A- 175	22J	505400	UTM	6692600
CK-A- 176	22J	505950	UTM	6690700
CK-A- 177	22J	508150	UTM	6692950
CK-A- 178	22J	504650	UTM	6695800
CK-A- 179	22J	507900	UTM	6694450
CK-A- 180	22J	506100	UTM	6695350
CK-A- 181	22J	504550	UTM	6696400
CK-A- 182	22J	491600	UTM	6698850

Sample No.	E-W		N-S	
CK-S- 139	22J	517400	UTM	6698050
CK-S- 140	22J	517900	UTM	6699500
CK-S- 141	22J	518900	UTM	6697800
CK-S- 142	22J	517350	UTM	6696050
CK-S- 143	22J	515500	UTM	6698400
CK-S- 144	22J	515600	UTM	6698450
CK-S- 145	22J	516550	UTM	6696650
CK-S- 146	22J	513800	UTM	6695850
CK-S- 147	22J	514050	UTM	6695850
CK-S- 148	22J	512700	UTM	6693450
CK-S- 149	22J	515530	UTM	6694200
CK-S- 150	22J	515550	UTM	6694200
CK-S- 151	22J	515400	UTM	6694000
CK-S- 152	22J	514450	UTM	6692450
CK-S- 153	22J	514050	UTM	6692150
CK-S- 154	22J	512850	UTM	6690900
CK-S- 155	22J	512950	UTM	6691100
CK-S- 156	22J	513650	UTM	6690400
CK-S- 157	22J	515500	UTM	6693000
CK-S- 158	22J	514700	UTM	6691250
CK-S- 159	22J	511800	UTM	6690900
CK-S- 160	22J	512950	UTM	6687850
CK-S- 161	22J	513050	UTM	6689200
CK-S- 162	22J	513350	UTM	6688800
CK-S- 163	22J	514350	UTM	6690150
CK-S- 164	22J	515000	UTM	6689600
CK-S- 165	22J	512450	UTM	6689550
CK-S- 166	22J	509700	UTM	6692700
CK-S- 167	22J	509600	UTM	6692850
CK-S- 168	22J	508300	UTM	6689550
CK-S- 169	22J	508250	UTM	6689800
CK-S- 170	22J	506550	UTM	6690350
CK-S- 171	22J	505800	UTM	6689800
CK-S- 172	22J	503150	UTM	6690450
CK-S- 173	22J	502950	UTM	6690250
CK-S- 174	22J	503200	UTM	6691950
CK-S- 175	22J	505400	UTM	6692600
CK-S- 176	22J	505950	UTM	6690700
CK-S- 177	22J	508150	UTM	6692950
CK-S- 178	22J	504650	UTM	6695800
CK-S- 179	22J	507900	UTM	6694450
CK-S- 180	22J	506100	UTM	6695350
CK-S- 181	22J	504550	UTM	6696400
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	3,880	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	16.5	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	1.5	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														

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	-0.002	-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	0.696	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	-0.002	-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													

Geochemical Grade Assay of Stream Water collected in Lomba Grande District

Sample ID:	Au	Hg	Tl	Pb	Bi	Th	U	SO ₄
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

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-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	0.06	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	12.5	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										

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	0.088	-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	-0.002	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.																

Geochemical Grade Assay of Stream Water collected in Lomba Grande District

Sample ID:	Au	Hg	Tl	Pb	Bi	Th	U	SO ₄
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

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-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	16.4	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																

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	1																						

Geochemical Grade Assay of Stream Water collected in Lomba Grande District

Sample ID:	Au	Hg	Tl	Pb	Bi	Th	U	SO ₄
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	0.031	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 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-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											

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	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	1	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	7	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																					

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-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	-0.2	-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	0.01	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</							

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-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	-0.2	-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	-0.2	-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 "f" 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 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 %
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																						

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	-0.2	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	-0.2	-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	2	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	-0.2	-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	-0.2	-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	-0.2	-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	-0.2	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																											

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	-0.2	-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	-0.2	-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	-0.2	-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.