

**BC Geological Survey
Assessment Report
29977**

**Soil Geochemistry Report
Good Golly Property**

**Sanca Creek
Nelson Mining District**

NTS 82F 047, 048, 037, 038

**Operator:
Kootenay Gold Inc.**

Owners:

Sean Kennedy

Work Performed Summer of 2007

Report Written By Sean Kennedy, Prospector

January, 2008

**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

29,977

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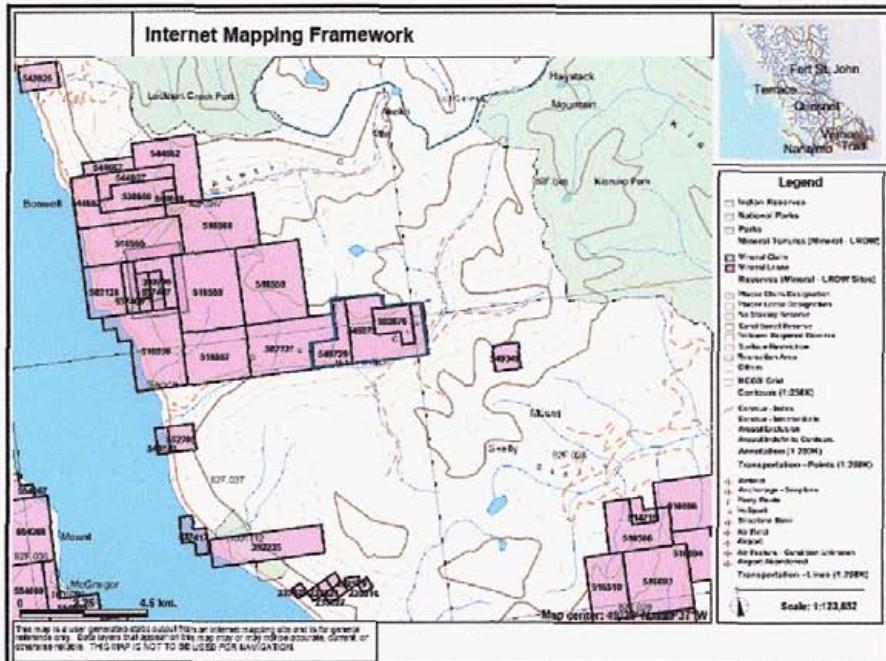
1.0 Introduction

The Good Golly was staked to cover an auriferous shear zone within Bayonne suite granite intrusions north of Creston. Prospecting and rock sampling in 2006 identified a number of parallel shear zones within the granite and surrounding metamorphics. Rock geochemistry returned anomalous gold values up to 7.6 grams with associated lead and arsenic mineralization. The shears zones, characterized by argillic alteration zones with strong manganese, sericite and carbonate mineralization, range in size with the largest being over five meters wide. Quartz veining, often characteristically a dense mass of quartz crystals with large vugs and massive limonite and fresh pyrite, and brecciation are common with these zones. Most of the known mineralization occurs near a change in the granite from a fine to medium grained biotite monzogranite, the Mount Skelly pluton, to a medium to coarse grained biotite granodiorite called the Sanca stock (Logan and Mann, 2000), a magnetic low may also be associated with the change in granites.

In 2007 a soil geochemistry program was conducted across the two larger shear zones where bedrock exposure is poor. The purpose was to potentially add strike length to the known shears and help identify others.

2.0 Property

The property is comprised of tenure numbers 549729, 545975, and 503676 all of which are owned by Sean Kennedy.



Property location highlighted in blue, regional location in top right.

3.0 Access

The property is located in the Sanca creek watershed on a S/SE facing slope, above where Sanca creek forks. Sanca creek is a westerly flowing creek, which drains into Kootenay Lake approximately 40 kilometers north of the town of Creston. The property's southern margin is approximately 10 kilometers up the main Sanca creek Forest Service road. Access is provided by a good network of logging roads that dissect the property.

4.0 Physiography

Elevation on the property ranges from 1300 meters to over 2000. Near the valley bottom hillsides are generally steep with some cliffy sections. A number of benches with shallow grades occur on the hillside before cresting in a rocky ridge close to the treeline. Forest cover is comprised mainly of lodgepole pine with cedar, hemlock, and spruce growing in the valley bottoms and wetter areas.

5.0 Property Geology

Mapping by Logan and Mann (2000) at 1:50,000 for the government has occurred in the area, based on previous mapping by Reesor (1996). The property is underlain by the Mount Skelly pluton, a fine to medium grained biotite monzonite/granite and the Sanca stock a medium to coarse grained biotite granodiorite. Sedimentary rocks, probably belonging to Proterozoic age Creston formation of the Purcell Supergroup, on the property have been metamorphosed and assimilated along the intrusion margin, and metamorphosed to mica schist and slate further from the contact. A number of pegmatite dykes were noted in the area.

6.0 Soil Geochemistry

Five soil lines were run at 270°, roughly perpendicular to two known NS trending shear zones. Sample nodes were every 25 meters, with 50 meter line spacings for a distance of 600 meters. A sixth line was run above a lower logging road across another shear zone with sample nodes every 25 meters for 175 meters. All samples were taken from the b-soil horizon. On the upper grid the b-horizon was easily identified with a good ash horizon above. The sixth line was on a steep hill with talus just below the organic layer and a poorly distinguished b-horizon below, hence only 7 samples were collected. 105 samples were collected and sent to Acme Labs in Vancouver for analysis, results are included in the appendix.

Results from the grid were rather unremarkable as no significant gold or pathfinder-type mineral anomalies were detected. The presence of wide scale carbonate alteration associated with the shear zones may have had a negative effect for soils, as well as the recessive weathering nature of the granite. A defining alteration associated with the mineralized shears is manganese, a plot of which is located in the appendix. Manganese with values greater than 600 ppm were noted as anomalous. The line run below the road had a string of eight samples in a row (200 meters) of anomalous manganese, however

this would correspond with a more EW trend opposed to a NS trend. In the NW corner of the grid there is more anomalous manganese with a possible 20-30° trend, this could be reflecting the buried strike of an auriferous shear.

7.0 Conclusions and Recommendations

In the summer of 2007 a soil geochemistry program was conducted on the Good Golly mineral claims over known auriferous shear zones hosted by cretaceous age granite. Anomalous gold and associated pathfinder minerals (As, Pb etc.) were unfortunately lacking in the results. Manganese, being an important alteration type associated with the shear zones, was plotted and a subsequent 20-30° trending anomaly may be reflecting a buried target.

At this point it is recommended that further prospecting and rock geochemistry be used to evaluate the remainder of the surface of the property. The apparent lack of success with soil geochemistry is a detriment, however, the presence of gold bearing shear zones is still an appealing target. It is strongly recommended that a trenching program along existing roads be undertaken where known zones of mineralization exist in order to obtain an understanding of width and potential grades of the systems.

8.0 Statement of Costs

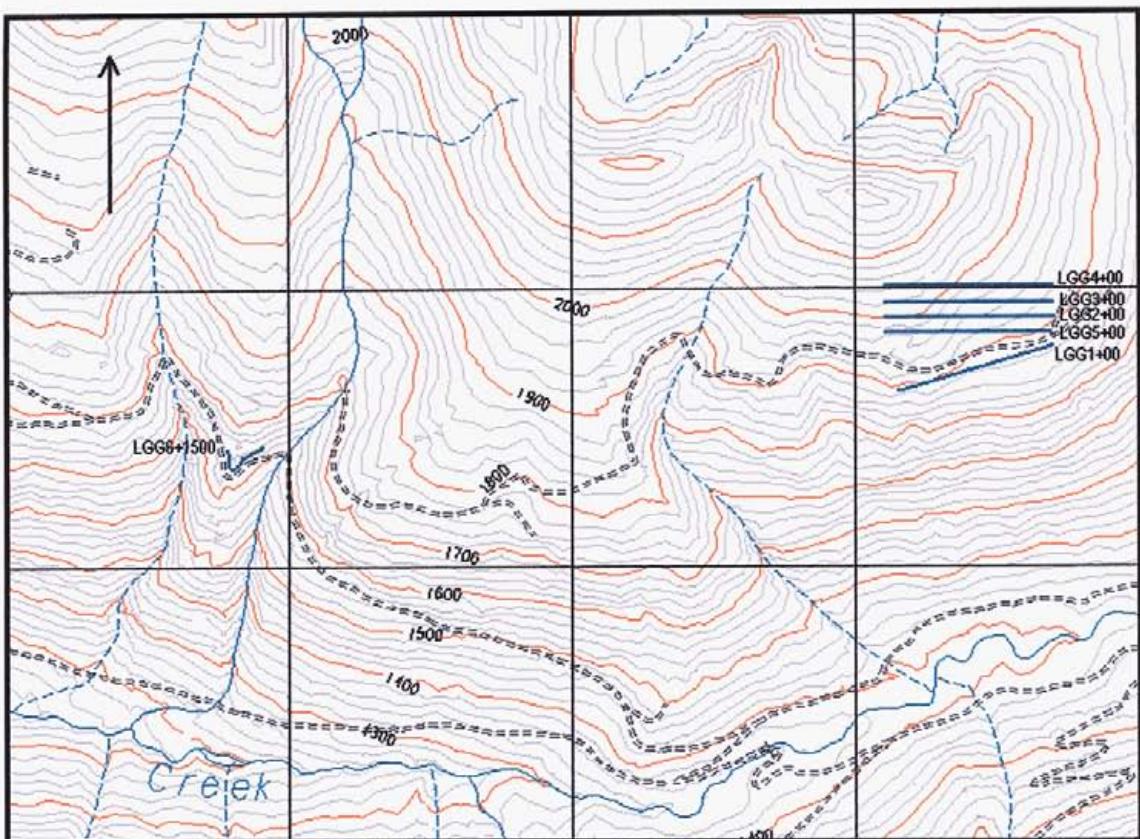
Sean Kennedy, Prospector	2 days @ \$300/day	\$600
Mike Kennedy, Prospector	2 days @ \$300/day	\$900
Jarred Johnson, Prospector	1 day @ \$175/day	\$175
Eric Holm, Prospector	1 day @ \$175/day	\$175
4X4 Truck Rate	3 days @ \$150/day	\$450
Soil Geochemistry	105 samples @ \$20/sample	\$2100
Report (includes office expenses)		<u>\$300</u>
Total		\$4700

9.0 Statement of Qualifications

I, Sean Kennedy, certify that:

1. I am an independent prospector residing at 272 Kimbrook Crescent, Kimberley, BC.
2. I have been actively prospecting in the East Kootenay district of BC for the past 15 years, and have made my living solely by prospecting for the past 7 years.
3. I have been employed as a professional prospector by junior mineral exploration companies.
4. I own and maintain mineral claims in BC, and have optioned claims to exploration companies

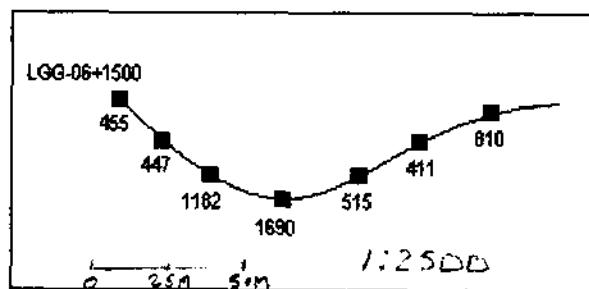
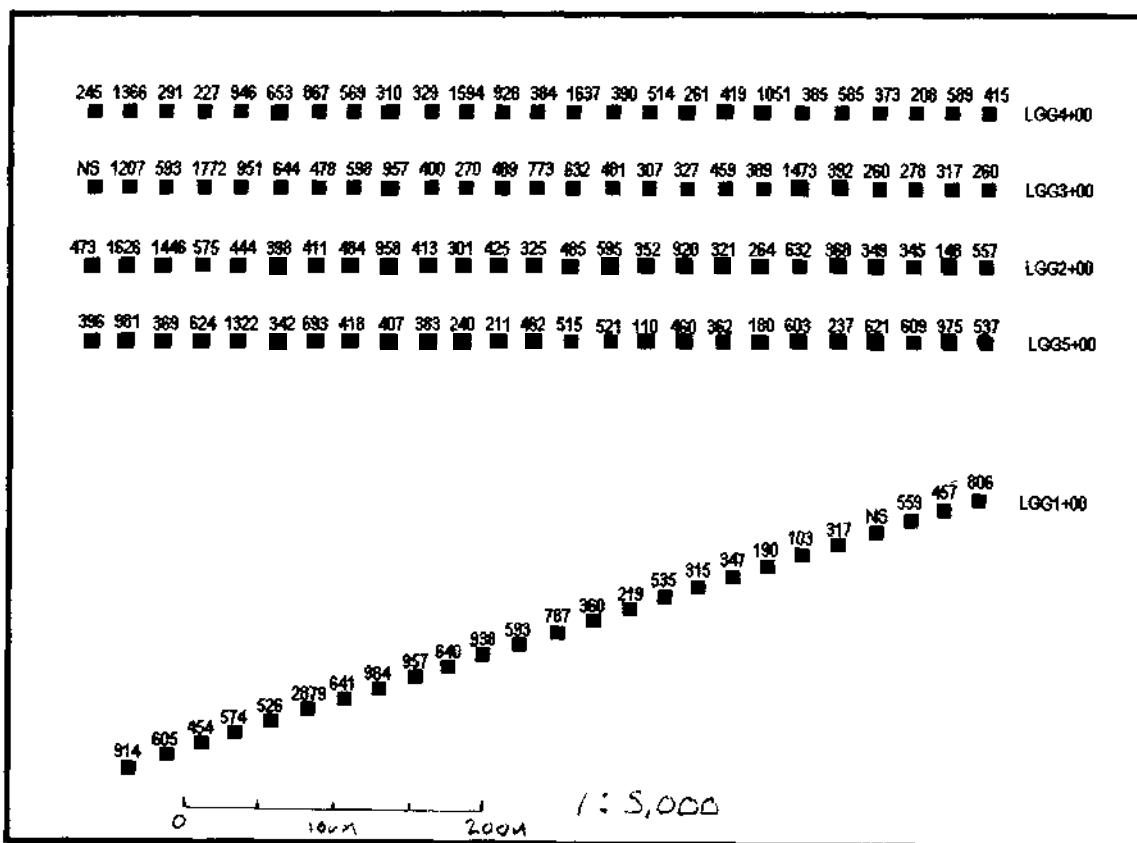
Sean Kennedy, January 2008



Soil line locations in blue 1:10,000

25,000

Plot of Soil Geochemistry With Mn in ppm



GEOCHEMICAL ANALYSIS CERTIFICATE

Kootenay Gold Inc. PROJECT Good Golly File # A704765 Page 1

550 - 999 W. Hastings St., Vancouver BC V6C 2W2 Submitted by: Sean Kennedy

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P % ppm	La % ppm	Cr % ppm	Mg % ppm	Ba % ppm	Ti % ppm	B % ppm	Al % ppm	Na % ppm	K % ppm	W % ppm	Hg % ppm	Sc % ppm	Tl % ppm	S % ppm	Ga % ppm	Se % ppm
G-1	.8	2.9	3.1	45 <.1	8.8	4.6	556	1.87	<.5	2.2	2.0	4.3	60 <.1	<.1	.1	.1	.1	.1	41	.45	.090	8	142	.62	209	.140	1	.99	.097	.53	.2<.01	2.3	.3	.06	5 <.5	
LGG-01+00	.4	12.6	28.2	87 <.1	10.4	7.2	806	2.51	4.2	5.0	2.1	33.2	13	.3	.5	.4	.56	.21	.239	16	15	.48	100	.175	1	2.35	.010	.20	.4	.03	1.9	.3	.06	9 <.5		
LGG-01+25	.6	10.6	23.6	70 <.1	11.4	7.3	457	2.43	2.5	3.5	2.1	24.2	8	.1	.2	.3	.52	.10	.221	13	16	.43	74	.160	2	2.77	.009	.14	.4	.04	2.3	.2	.07	9 <.5		
LGG-01+50	.8	10.4	24.3	112 <.1	9.4	7.6	559	2.41	2.3	3.8	1.4	22.2	9	.2	.3	.46	.15	.304	15	14	.35	98	.154	1	3.09	.012	.10	.4	.04	2.4	.1	.09	10 <.5			
LGG-01+100	.3	8.8	19.5	81 <.1	9.4	7.2	317	2.71	1.9	3.9	1.2	31.5	11	.1	.2	.3	.55	.15	.285	15	17	.46	71	.183	1	2.05	.009	.12	.3	.03	1.8	.2	.05	11 <.6		
LGG-01+125	.6	6.3	14.8	28 <.1	5.6	3.6	103	2.50	2.6	6.8	1.0	11.1	13	.1	.1	.2	.44	.11	.251	13	10	.19	65	.169	<1	4.09	.015	.07	.3	.05	2.0	.1	.07	10 <.5		
LGG-01+150	.3	8.0	27.9	99 .3	7.5	4.8	190	1.99	2.3	5.3	<.5	14.2	20	.3	.1	.3	.48	.27	.223	19	13	.40	83	.139	<1	1.64	.014	.15	.3	.02	1.6	.1	.06	9 <.5		
LGG-01+175	.5	8.3	11.7	45 <.1	5.7	7.7	347	2.40	2.3	1.7	1.3	8.7	10	.1	.1	.2	.39	.08	.526	8	10	.16	59	.151	1	4.32	.014	.06	.4	.06	2.8	.1	.07	10 <.8		
LGG-01+200	.3	7.3	14.5	76 <.1	11.3	7.8	315	2.91	2.5	6.1	1.4	35.6	26	.1	.2	.2	.60	.32	.354	26	18	.63	107	.146	2	2.94	.010	.23	.3	.03	2.4	.2	.05	9 <.8		
LGG-01+225	.4	12.5	13.2	51 .1	7.7	6.2	535	2.09	2.1	3.3	<.5	18.1	11	.1	.2	.2	.45	.13	.351	16	12	.31	156	.164	2	3.00	.015	.12	.3	.03	3.2	.2	.05	10 <.5		
LGG-01+250	.5	8.6	11.4	41 <.1	7.6	6.8	219	2.39	2.1	3.4	1.1	24.6	10	.1	.1	.2	.51	.13	.328	15	13	.31	74	.193	<1	3.51	.012	.15	.2	.05	2.5	.2	.05	10 <.5		
LGG-01+275	.2	7.0	23.2	46 <.1	7.5	6.7	360	1.96	1.5	5.7	.7	43.0	25	.1	.1	.2	.42	.31	.303	38	12	.46	123	.128	1	2.35	.009	.20	.1	.01	1.8	.2	.05	8 <.5		
LGG-01+300	.5	10.0	11.1	73 <.1	10.8	9.8	787	2.91	2.2	5.2	1.0	36.0	17	.1	.2	.3	.63	.28	.387	21	17	.63	111	.193	2	3.08	.015	.22	.3	.03	2.4	.3	.05	11 <.5		
LGG-01+325	.7	14.2	13.3	68 <.1	12.3	9.6	593	3.25	2.7	5.2	1.4	36.9	17	.1	.3	.3	.68	.24	.327	21	18	.76	132	.220	2	3.38	.013	.26	.4	.04	3.1	.3	.05	12 <.6		
LGG-01+350	.6	9.0	13.5	91 <.1	12.9	11.0	938	3.39	2.1	4.6	1.2	34.0	16	.1	.2	.3	.76	.30	.248	21	20	.72	131	.242	2	2.99	.010	.28	.2	.04	3.5	.3	.05	11 <.5		
LGG-01+375	.6	10.7	13.1	94 <.1	12.4	11.4	640	3.33	2.0	5.4	1.6	34.5	18	.1	.2	.3	.77	.34	.308	26	20	.80	148	.252	1	3.09	.012	.35	.4	.03	3.6	.4	.05	12 <.5		
LGG-01+400	.6	12.8	12.9	82 .1	11.6	9.8	957	2.98	1.7	4.2	1.7	27.2	23	.1	.2	.2	.62	.28	.418	22	16	.65	133	.203	3	3.21	.013	.32	.3	.03	2.7	.3	.05	11 <.5		
LGG-01+425	.5	10.6	12.8	92 <.1	11.0	10.2	984	2.95	2.0	3.4	1.6	19.7	13	.1	.2	.2	.67	.19	.218	17	16	.61	114	.237	1	3.20	.012	.25	.3	.03	2.9	.3	.05	12 <.5		
LGG-01+450	.5	11.3	14.3	81 <.1	11.7	9.7	641	3.03	2.6	4.8	1.7	32.9	17	.2	.3	.3	.71	.32	.266	22	19	.65	127	.217	1	2.82	.010	.28	.3	.03	2.8	.3	.05	10 <.5		
LGG-01+475	.6	10.5	22.9	117 .2	11.2	10.8	2879	2.77	1.9	3.8	1.1	16.9	18	.2	.2	.3	.59	.24	.233	20	15	.51	164	.177	2	2.70	.011	.22	.5	.03	2.8	.3	.05	9 <.5		
LGG-01+500	.8	9.5	16.9	103 <.1	12.0	9.8	526	3.86	3.9	4.2	1.6	18.3	11	.1	.5	.4	.87	.18	.266	15	19	.69	90	.248	3	3.01	.009	.21	.4	.07	2.8	.3	.05	14 <.6		
LGG-01+525	1.0	14.9	15.6	78 <.1	11.7	10.4	574	3.67	2.7	6.6	2.3	33.3	15	.1	.2	.2	.93	.33	.404	36	24	.86	134	.235	1	3.34	.010	.37	.6	.05	4.5	.3	.05	11 <.5		
RE LGG-01+525	1.0	15.0	14.7	75 <.1	11.5	10.5	483	3.43	2.6	7.0	1.4	35.5	15	.1	.1	.2	.82	.37	.370	38	21	.78	132	.207	1	3.09	.010	.32	.7	.04	3.7	.3	.05	10 <.6		
LGG-01+558	.9	11.5	14.9	72 <.1	11.8	10.3	454	3.25	2.1	5.0	2.0	28.4	16	.1	.2	.3	.74	.30	.264	20	19	.71	118	.207	2	3.13	.009	.28	.6	.04	2.8	.3	.05	11 <.5		
LGG-01+575	.7	11.5	34.6	103 <.1	11.2	11.0	605	3.36	2.9	3.6	1.8	20.2	20	.2	.2	.3	.79	.31	.222	19	17	.71	135	.230	1	2.63	.010	.25	.4	.03	2.6	.3	.05	12 <.5		
LGG-01+608	.7	12.3	38.8	117 .1	11.2	11.1	914	3.15	2.8	4.0	1.7	20.3	19	.1	.2	.3	.73	.35	.284	19	17	.74	139	.209	1	3.02	.010	.34	.6	.04	2.7	.3	.05	18 <.5		
LGG-02+200W	.7	16.8	14.7	92 <.1	13.1	8.9	720	3.44	4.5	5.9	2.5	45.5	10	.2	.4	.3	.66	.19	.340	21	21	.54	90	.189	1	3.99	.011	.20	.4	.07	3.3	.3	.05	12 <.7		
LGG-02+175W	.7	13.6	12.3	82 <.1	11.5	9.3	321	3.11	3.0	5.6	1.4	34.1	11	.1	.4	.3	.63	.24	.407	21	17	.66	99	.185	2	4.08	.014	.24	.6	.05	3.6	.2	.05	12 <.6		
LGG-02+150W	.6	7.1	15.6	198 .1	9.8	6.7	264	3.44	3.1	5.4	1.7	27.6	20	.3	.3	.57	.21	.536	15	16	.41	112	.159	<1	4.05	.012	.11	.7	.05	3.0	.1	.05	11 <.5			
LGG-02+125W	.8	11.0	16.8	105 <.1	9.9	9.5	632	2.88	3.2	2.3	2.2	13.0	6	.2	.5	.4	.48	.07	.300	8	14	.27	67	.182	2	4.17	.012	.10	.3	.08	2.8	.2	.05	12 <.6		
LGG-02+100W	.6	9.0	11.2	79 <.1	11.3	7.3	368	3.01	3.4	4.0	2.3	35.0	8	.1	.5	.3	.65	.11	.167	11	17	.43	74	.215	3	3.05	.010	.20	.3	.06	2.6	.3	.05	12 <.8		
LGG-02+075W	.5	11.5	11.8	77 .1	12.0	8.4	349	3.15	2.5	7.0	2.7	37.7	21	.1	.2	.3	.56	.31	.359	31	18	.66	105	.155	2	3.41	.013	.26	.3	.05	4.3	.3	.05	11 <.5		
LGG-02+050W	.5	8.3	16.8	84 <.1	8.6	6.7	345	2.96	3.6	4.6	1.3	31.9	11	.1	.4	.4	.59	.27	.322	22	17	.41	74	.195	2	2.39	.008	.18	.3	.04	2.3	.3	.05	12 <.5		
LGG-02+025W	.8	9.3	15.0	54 .2	5.9	4.2	148	2.77	3.0	2.4	1.6	10.4	7	.1	.3	.3	.47	.05	.255	10	11	.15	63	.145	1	3.67	.012	.05	.4	.05	1.7	.1	.05	11 <.7		
LGG-02+000W	1.0	11.5	14.5	79 <.1	8.6	5.4	557	3.74	4.7	4.4	2.1	30.6	6	.2	.6	.3	.67	.07	.352	11	17	.25	46	.198	3	4.42	.011	.09	.3	.08	2.6	.2	.06	15 <.9		
LGG-02+225	.5	15.9	12.9	91 <.1	11.5	9.1	352	3.39	2.5	6.8	3.1	54.7	11	.1	.2	.3	.69	.25	.356	26	19	.63	100	.206	2	3.07	.010	.23	.3	.06	3.4	.3	.05	12 <.5		
LGG-02+250	.6	18.9																																		



Kootenay Gold Inc. PROJECT Good Golly FILE # A704765

Page 2



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	Ia ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.8	2.8	3.0	47	<.1	9.0	4.0	492	1.89	<.5	2.1	.6	4.0	61	<.1	<.1	.1	36	.50	.097	8	127	.61	214	.131	2	.98	.090	.59	.1	<.01	2.5	.4	.05	5	<.5
LGG-02+300	.8	15.2	20.7	87	.2	11.6	7.6	325	2.41	3.1	3.1	.9	15.7	9	.2	.2	.3	46	.09	.254	11	15	.37	89	.177	1	3.70	.012	.15	.4	.04	3.6	.2	.05	10	<.5
RE LGG-02+300	.8	14.4	19.6	87	.2	12.0	7.3	312	2.40	3.2	3.1	.5	15.3	9	.3	.2	.3	47	.10	.259	12	15	.43	89	.168	3	3.80	.012	.15	.4	.04	3.9	.2	.06	10	<.5
LGG-02+325	.6	13.3	20.7	154	.1	12.0	8.3	425	2.70	3.7	2.9	1.5	18.6	9	.3	.2	.3	55	.12	.286	12	17	.53	117	.176	2	3.38	.010	.18	.4	.06	3.1	.3	<.05	10	<.5
LGG-02+350	.3	6.8	28.5	277	.2	9.2	7.8	301	3.11	3.9	2.3	<.5	10.3	24	.3	.2	.4	58	.19	.338	14	14	.58	142	.186	2	2.81	.014	.19	.3	.05	2.1	.2	<.05	13	<.5
LGG-02+375	.5	21.4	46.1	193	.2	13.9	10.0	413	2.63	3.7	3.1	.8	14.4	12	.3	.4	.3	56	.16	.192	15	18	1.07	165	.197	2	3.67	.011	.23	.5	.05	3.8	.3	<.05	10	<.5
LGG-02+400	.8	15.2	24.1	125	.1	10.8	9.7	958	2.56	3.0	2.2	1.6	9.2	8	.2	.3	.3	51	.08	.167	12	15	.49	102	.187	2	3.21	.013	.19	.3	.05	3.5	.3	.08	11	<.5
LGG-02+425	.7	13.4	22.0	97	<.1	11.7	8.9	484	3.04	3.8	3.9	.6	19.4	11	.1	.4	.3	65	.14	.219	16	18	.73	97	.178	2	3.00	.009	.26	.4	.05	2.7	.3	<.05	9	<.5
LGG-02+450	.6	10.6	20.2	98	<.1	12.1	8.7	411	2.85	3.7	1.9	2.3	9.0	14	.1	.3	.3	60	.12	.187	11	16	.60	93	.200	2	3.11	.011	.20	.4	.04	2.5	.2	<.05	10	<.5
LGG-02+475	.6	11.6	15.8	70	<.1	13.5	8.4	398	2.53	2.9	2.4	1.5	10.6	10	.1	.2	.3	53	.13	.172	10	21	.62	89	.184	2	3.75	.011	.23	.4	.02	2.9	.3	<.05	9	<.5
LGG-02+500	.7	11.8	11.3	59	.1	10.7	8.4	444	2.62	3.1	4.7	<.5	18.0	15	.1	.2	.2	61	.17	.260	15	13	.61	107	.172	2	4.71	.011	.25	.4	.04	3.2	.3	<.05	10	.6
LGG-02+525	.5	12.4	12.2	71	<.1	11.1	9.0	575	2.65	2.9	2.7	2.0	11.0	16	.1	.3	.2	60	.19	.226	15	16	.63	115	.181	1	3.11	.009	.30	.3	.03	2.7	.2	.06	9	<.5
LGG-02+550	.8	11.6	19.1	76	.1	10.0	7.2	1446	2.39	2.7	1.8	1.8	7.0	8	.1	.3	.3	47	.06	.140	9	14	.31	89	.162	2	3.58	.016	.12	.3	.04	2.5	.2	<.05	11	<.5
LGG-02+575	.8	15.5	23.3	93	.1	10.6	9.2	1626	2.29	3.1	1.9	.6	8.8	8	.2	.2	.3	42	.06	.171	8	13	.31	88	.181	1	3.42	.015	.13	.3	.05	3.0	.3	<.05	11	<.5
LGG-02+600	.6	10.1	15.2	62	<.1	10.1	7.5	473	2.44	3.8	1.7	1.1	9.0	9	.3	.4	.2	51	.12	.174	11	15	.48	98	.159	3	2.89	.011	.15	.3	.04	2.2	.2	<.05	8	<.5
LGG-03+00	1.0	8.5	16.1	96	<.1	10.3	6.5	260	2.95	3.9	8.6	1.5	19.1	15	.1	.3	.4	63	.13	.216	12	16	.45	107	.212	1	3.16	.016	.14	.4	.05	2.7	.2	<.05	14	<.5
LGG-03+25	.6	10.6	10.9	72	.1	10.5	7.5	317	2.31	2.9	3.8	<.5	20.1	10	.2	.1	.2	44	.12	.277	12	12	.34	68	.151	1	3.92	.015	.12	.3	.04	2.8	.2	<.05	9	<.5
LGG-03+50	.5	9.7	11.6	52	<.1	9.5	7.4	278	2.45	3.1	2.6	.7	16.0	10	.2	.4	.3	45	.12	.229	10	12	.29	63	.182	2	3.95	.016	.13	.3	.03	2.3	.2	<.05	10	<.5
LGG-03+75	.8	9.6	16.7	79	.2	9.3	5.7	260	2.91	3.6	2.2	.5	11.0	9	.1	.5	.3	49	.08	.243	9	13	.28	72	.175	2	4.32	.015	.11	.3	.05	2.5	.2	<.05	11	<.5
LGG-03+100	.6	10.8	13.8	77	.1	11.7	8.6	392	3.06	2.7	5.5	.7	34.4	11	.1	.2	.3	67	.16	.232	17	17	.50	84	.211	2	2.91	.012	.22	.3	.05	3.3	.3	<.05	10	<.5
LGG-03+125	.4	7.8	18.6	104	<.1	10.4	7.3	1473	3.15	3.9	5.5	<.5	45.9	12	.2	.5	.4	69	.20	.232	15	18	.53	97	.224	3	2.13	.010	.23	.3	.04	2.6	.3	<.05	12	<.5
LGG-03+150	.7	7.7	19.1	175	.1	7.3	5.5	389	2.80	3.7	2.7	1.5	16.3	9	.4	.5	.4	53	.10	.283	9	12	.24	79	.188	1	2.93	.014	.09	.4	.05	2.7	.2	<.05	12	<.5
LGG-03+175	.6	11.3	15.4	93	<.1	11.0	8.2	459	3.28	3.2	3.4	1.4	25.3	12	.1	.3	.4	70	.17	.262	13	17	.51	94	.235	2	3.37	.014	.20	.4	.03	3.1	.3	<.05	13	<.5
LGG-03+200	.6	11.6	12.7	64	<.1	11.4	7.6	327	2.96	4.2	4.4	1.2	29.4	8	.1	.7	.3	63	.10	.245	11	15	.44	75	.202	2	4.23	.010	.16	.3	.06	2.9	.3	<.05	10	<.5
LGG-03+225	.6	11.1	19.0	76	<.1	10.8	7.5	307	3.13	3.7	4.5	1.2	40.5	8	.1	.4	.3	70	.13	.219	19	20	.53	81	.195	2	3.06	.010	.21	.3	.05	3.0	.3	<.05	11	<.5
LGG-03+250	.7	13.0	23.2	68	.2	10.8	7.0	481	2.11	3.9	2.5	1.9	13.3	7	.2	.5	.3	43	.06	.145	8	13	.30	74	.181	2	3.18	.015	.11	.3	.06	2.9	.2	<.05	10	<.5
LGG-03+275	.6	8.9	16.9	67	.2	7.0	5.5	632	2.10	2.8	1.3	1.1	6.7	5	.2	.3	.3	46	.04	.113	6	12	.15	54	.157	2	2.81	.013	.06	.2	.03	1.9	.2	<.05	10	<.5
LGG-03+300	.7	13.4	21.4	97	.2	10.3	8.1	773	2.29	2.9	2.5	2.3	14.9	7	.2	.3	.3	45	.06	.159	11	15	.38	72	.157	2	2.99	.014	.15	.3	.04	3.1	.3	<.05	9	<.5
LGG-03+325	.6	14.8	28.1	171	.2	10.9	7.5	489	2.10	3.8	2.0	.6	11.3	9	.4	.4	.3	40	.08	.167	9	15	.33	93	.158	1	2.98	.015	.11	.3	.05	3.3	.2	<.05	10	<.5
LGG-03+350	.9	18.9	21.7	117	.2	11.8	8.5	270	2.31	4.0	2.8	<.5	12.6	7	.3	.3	.3	42	.06	.166	10	15	.38	88	.188	3	4.29	.018	.13	.4	.08	3.8	.2	<.05	10	<.5
LGG-03+375	.7	12.8	29.8	168	.1	13.3	7.7	400	2.70	4.0	2.4	.9	12.3	10	.2	.3	.4	58	.11	.161	11	17	.55	78	.187	2	3.47	.013	.17	.4	.05	2.9	.3	<.05	10	.5
LGG-03+400	.4	7.0	16.6	70	<.1	9.7	10.4	957	2.67	1.9	3.1	<.5	15.6	29	.1	.1	.2	66	.26	.143	20	17	.89	111	.191	1	2.85	.015	.24	.2	.02	2.2	.2	<.05	10	<.5
LGG-03+425	.5	13.1	15.9	83	<.1	11.9	9.4	598	2.89	3.1	3.7	.5	15.7	12	.1	.3	.3	70	.16	.238	14	19	.57	99	.214	2	3.18	.012	.28	.3	.04	3.1	.3	<.05	10	<.5
LGG-03+450	.7	14.8	16.2	74	.2	10.9	8.8	478	2.51	2.7	2.3	.5	9.9	9	.1	.2	.3	54	.08	.213	10	15	.48	94	.199	1	3.65	.014	.21	.3	.04	2.8	.2	<.05	10	<.5
LGG-03+475	.8	17.8	16.9	72	<.1	11.2	7.9	644	2.47	4.1	2.8	.6	9.0	13	.1	.2	.3	52	.07	.218	9	13	.44	89	.211	2	4.44	.016	.16	.3	.04	3.5	.3	<.05	10	<.5
LGG-03+500	.6	10.6	16.3	84	.1	11.1	7.5	951	2.35	3.4	1.7	.7	9.5	12	.2	.3	.3	51	.10	.200	9	15	.41	87	.168	2	3.63	.013	.18	.4	.03	2.2				



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SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.7	3.3	2.9	47	<1	9.5	4.6	519	1.88	.6	2.1	1.1	4.0	63	<.1	<.1	.1	38	.47	.074	8	134	.61	212	.126	2	1.02	.088	.49	.1	<.01	2.5	.4	.06	5	<.5
LGG-03+575	.9	12.6	15.5	69	.1	9.4	6.4	1207	2.31	3.3	1.5	3.0	5.1	8	.2	.3	.3	46	.06	.135	7	12	.27	85	.163	2	3.54	.013	.10	.4	.05	2.3	.2	.06	11	.6
LGG-04+03	.8	9.4	14.0	62	<1	8.4	5.4	415	3.13	3.0	3.0	2.3	25.1	7	.1	.3	.4	72	.06	.116	8	16	.28	53	.223	2	2.79	.010	.08	.2	.06	1.8	.2	.06	13	.6
LGG-04+25	1.1	15.0	14.8	79	.2	9.9	7.1	569	2.15	4.2	3.1	1.4	12.1	6	.2	.5	.3	41	.07	.176	9	11	.26	65	.152	1	4.64	.012	.08	.6	.05	2.6	.2	.06	10	<.5
LGG-04+50	.6	9.5	11.8	53	<.1	9.4	5.4	208	2.45	2.8	3.6	1.8	15.6	10	.2	.4	.3	47	.12	.193	10	13	.31	83	.163	2	4.03	.011	.11	.4	.06	2.7	.2	<.05	10	.7
LGG-04+75	.7	10.5	17.0	80	.1	10.8	7.4	373	2.77	2.8	3.5	1.8	22.7	9	.3	.4	.5	55	.14	.181	15	15	.46	87	.162	1	3.47	.010	.15	.7	.06	2.5	.2	<.05	11	.8
LGG-04+100	.7	13.9	38.6	140	.3	13.2	9.0	580	2.95	2.4	3.9	1.2	27.7	11	.2	.3	.4	61	.35	.149	18	17	.62	106	.198	1	3.15	.039	.18	.8	.06	3.2	.4	<.05	12	<.5
LGG-04+125	.6	17.1	17.0	82	<1	14.6	9.5	385	3.15	4.0	7.6	1.7	38.9	12	.1	.2	.4	65	.23	.228	28	20	.77	101	.170	2	3.56	.007	.22	.7	.03	4.4	.3	<.05	11	.6
LGG-04+150	.7	13.1	16.8	102	.1	11.0	8.7	1051	2.81	2.8	4.6	1.6	27.9	8	.2	.3	.4	56	.13	.207	14	15	.44	100	.207	2	3.84	.011	.15	.4	.04	3.4	.3	<.05	12	.6
LGG-04+175	.5	13.7	14.4	81	<.1	15.0	9.7	419	3.36	4.0	5.5	9.43	7	14	.2	.3	.3	75	.26	.220	21	21	.77	99	.216	2	3.17	.007	.28	.5	.04	3.3	.4	<.05	11	.5
LGG-04+200	.7	13.2	16.6	71	.1	10.4	7.0	261	3.16	3.8	2.7	1.7	23.5	6	.1	.2	.3	61	.07	.207	10	19	.36	72	.183	1	4.11	.010	.12	.3	.09	2.8	.3	<.05	12	.6
LGG-04+225	1.0	20.5	18.8	67	.2	11.1	7.4	514	2.20	4.5	2.3	2.5	10.1	7	.3	.3	.3	39	.05	.088	8	12	.29	70	.173	2	4.08	.013	.09	.4	.05	3.9	.2	<.05	11	<.5
LGG-04+250	1.0	15.3	20.8	85	.2	13.7	8.3	390	2.62	4.1	2.0	1.6	11.7	7	.1	.4	.3	48	.05	.067	10	18	.37	70	.154	1	3.71	.009	.13	.3	.05	2.7	.3	<.05	11	.7
LGG-04+275	.7	10.9	21.9	99	.2	10.5	7.1	1037	2.18	4.3	1.8	1.6	11.6	7	.3	.4	.3	40	.05	.073	9	13	.30	74	.158	3	3.11	.013	.11	.3	.05	2.4	.3	<.05	10	<.5
LGG-04+300	.8	19.6	27.8	120	.2	14.7	9.7	384	2.61	3.7	3.4	2.3	22.2	8	.2	.3	.3	48	.07	.082	14	20	.58	118	.154	1	3.47	.008	.19	.4	.04	3.9	.3	<.05	10	<.5
LGG-04+325	.9	13.5	22.5	85	.2	10.0	7.8	928	2.19	3.6	1.6	2.1	8.1	6	.3	.2	.3	39	.05	.151	7	12	.21	72	.151	1	4.35	.012	.07	.4	.05	2.7	.2	<.05	11	<.5
LGG-04+350	.7	10.1	22.3	139	.3	8.4	6.7	1594	1.93	2.4	1.5	1.0	8.4	7	.3	.2	.3	38	.06	.108	8	12	.22	72	.134	1	2.79	.012	.09	.2	.05	2.1	.2	<.05	10	<.5
LGG-04+375	.8	18.2	22.4	89	<.1	18.5	8.8	329	2.45	3.0	2.3	1.4	10.8	8	.1	.4	.2	46	.07	.075	11	24	.66	94	.177	1	3.16	.009	.20	.5	.04	3.5	.3	<.05	10	.5
LGG-04+400	.8	17.7	17.0	81	.1	11.2	6.3	310	2.17	4.3	2.1	1.3	6.3	7	.2	.5	.3	39	.05	.150	8	14	.30	71	.158	2	4.94	.012	.18	.5	.06	3.4	.1	<.05	11	<.5
LGG-04+425	.5	6.1	24.5	78	<.1	9.2	6.1	529	2.10	3.0	1.5	<.5	7.4	16	.3	.3	.3	48	.14	.044	10	17	.41	72	.180	1	1.48	.010	.15	.3	.02	2.0	.2	<.05	10	<.5
LGG-04+450	.4	13.5	12.6	67	<.1	9.7	11.2	361	2.99	2.1	4.0	.7	10.4	22	.1	.1	.2	64	.29	.192	31	14	.88	206	.155	<1	3.68	.008	.38	.2	.02	3.0	.3	<.05	11	<.5
LGG-04+475	.8	8.8	17.8	66	<.1	9.4	6.8	653	2.37	2.3	1.7	.6	6.8	8	.1	.3	.3	48	.07	.100	8	13	.36	86	.159	1	2.49	.009	.15	.4	.03	2.2	.3	<.05	10	<.5
LGG-04+500	.7	8.4	15.8	66	.1	8.8	7.7	746	2.70	2.6	1.8	1.0	7.2	8	.1	.3	.3	61	.08	.150	10	14	.45	73	.197	1	2.65	.009	.16	.4	.04	2.3	.3	<.05	11	.5
LGG-04+525	.5	6.5	10.8	47	<.1	9.6	5.6	227	2.14	2.4	2.0	.6	9.0	6	.1	.2	.2	41	.05	.051	14	14	.41	60	.121	1	1.82	.005	.16	.3	.03	2.1	.2	<.05	7	<.5
LGG-04+550	.6	7.9	11.2	63	<.1	8.5	5.1	291	2.15	2.5	1.7	1.1	6.7	7	.1	.4	.3	44	.06	.114	10	13	.37	71	.143	1	2.25	.008	.13	.4	.04	2.0	.2	<.05	8	<.5
LGG-04+575	.9	11.7	13.3	77	<.1	8.7	5.1	1366	1.90	2.9	1.1	2.3	4.1	7	.3	.4	.3	34	.05	.137	5	9	.16	90	.151	2	4.07	.012	.06	.5	.05	2.3	.2	<.05	10	.7
LGG-04+600	.8	20.8	13.3	55	.2	10.3	5.7	245	2.18	3.6	2.1	1.7	5.2	8	.1	.3	.2	39	.05	.145	11	11	.29	84	.174	2	4.61	.011	.10	.3	.07	4.4	.2	<.05	11	.6
LGG-05+00	.5	9.4	23.9	80	<.1	10.5	7.4	537	2.58	1.8	4.3	.8	30.2	11	.1	.2	.4	56	.25	.192	21	16	.48	67	.156	2	2.63	.008	.17	.4	.02	2.3	.3	<.05	10	<.5
LGG-05+25	.7	12.5	15.3	67	<.1	9.5	8.5	975	2.36	2.4	1.8	1.7	9.6	7	.2	.2	.3	48	.05	.118	10	12	.30	77	.194	1	3.25	.013	.12	.2	.04	2.9	.3	<.05	11	<.5
LGG-05+50	.9	15.8	44.0	102	.5	11.7	7.2	609	2.31	3.3	3.9	1.4	18.1	9	.3	.3	.3	45	.11	.186	12	13	.31	61	.164	1	5.04	.013	.11	.4	.07	3.4	.2	<.05	11	.5
LGG-05+75	1.1	12.1	77.0	104	<.1	13.2	7.9	621	3.34	4.9	6.4	2.3	24.4	10	.2	.5	.4	66	.12	.196	16	19	.41	81	.167	1	3.94	.009	.13	.3	.04	3.2	.3	<.05	12	<.5
LGG-05+100	.9	14.3	16.4	54	<.1	10.4	6.2	237	2.60	3.5	2.9	1.4	11.6	8	.1	.3	.3	51	.07	.161	9	14	.32	62	.188	1	4.86	.014	.12	.3	.07	3.3	.2	<.05	11	.5
LGG-05+125	1.0	15.6	69.0	178	.1	11.6	8.4	603	2.73	2.9	4.6	1.8	18.6	9	.2	.3	.4	51	.09	.155	17	14	.38	106	.157	1	3.96	.013	.13	.4	.05	3.9	.3	<.05	11	<.5
RE LGG-05+125	1.0	15.1	67.2	164	.1	10.5	7.8	570	2.62	2.8	4.7	1.9	20.9	9	.3	.3	.3	50	.08	.152	16	14	.36	103	.151	1	3.78	.012	.13	.5	.05	3.8	.3	<.05	11	<.5
LGG-05+150	.8	6.9	26.1	78	<.1	7.3	5.5	180	3.05	3.6	6.3	1.2	11.5	21	.1	.4	.4	62	.13	.139	14	11	.29	122	.210	<1	2.61	.016	.09	.7	.03	2.0	.1	<.05	15	<.5
LGG-05+175	.5	15.5	18.1	83	<.1	12.5	8.9	362	2.93	2.5	5.4	1.6	30.7	15	.2	.3	.3	60	.27	.258	23	15	.62	111	.185	1	3.75	.011	.27	.6	.05	3.6	.3	<		



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SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P ppm	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
G-1	.8	3.9	3.3	48	<.1	9.0	4.5	523	1.89	<.5	2.3	1.8	4.3	66	<.1	<.1	.1	37	.51	.074	9	128	.61	217	.130	2	1.02	.093	.53	.1	<.01	2.6	.4	<.05	5	<.5
LGG-05+250	.3	7.8	20.8	65	.2	9.8	9.5	521	2.81	2.2	3.7	1.8	11.8	23	.2	.3	.3	48	.18	.286	9	15	.41	163	.189	2	3.14	.018	.13	.2	.05	2.4	.2	.06	12	<.5
LGG-05+275	.5	12.6	26.8	120	.2	11.0	8.7	515	2.80	3.0	3.1	1.3	20.4	13	.2	.1	.3	55	.19	.301	16	18	.58	115	.164	1	3.23	.011	.18	.4	.03	2.9	.3	<.05	10	.5
LGG-05+300	.7	15.8	15.2	78	.3	10.4	8.4	492	2.34	2.2	4.0	1.1	21.2	8	.2	.1	.4	48	.10	.187	13	14	.40	93	.169	2	3.99	.012	.16	.4	.05	3.3	.3	<.05	10	.7
LGG-05+325	.4	8.0	24.7	109	.2	8.9	6.4	211	2.57	1.4	2.3	.7	14.1	15	.2	.2	.3	48	.14	.107	15	16	.47	99	.153	2	2.21	.011	.12	.3	.02	2.2	.1	<.05	10	<.5
LGG-05+350	.6	7.5	22.2	84	.2	8.1	7.4	240	2.48	2.1	1.6	2.4	7.0	13	.2	.2	.3	44	.10	.196	11	11	.29	134	.187	1	2.96	.016	.09	.3	.02	2.0	.2	<.05	12	.5
LGG-05+375	.6	9.2	22.2	89	.1	10.4	8.6	383	2.76	2.4	2.8	1.0	15.7	11	.1	.2	.3	60	.13	.183	13	16	.59	96	.181	2	2.97	.009	.17	.3	.04	2.2	.2	<.05	10	<.5
LGG-05+400	.5	8.3	26.6	129	<.1	11.9	9.2	407	3.16	2.2	3.9	<.5	21.4	17	.1	.2	.3	67	.24	.256	15	18	.72	96	.196	2	2.82	.008	.24	.3	.03	2.2	.3	<.05	11	<.5
LGG-05+425	.7	14.1	25.8	116	<.1	12.8	9.5	418	2.89	3.2	2.3	1.7	10.5	11	.1	.4	.3	60	.10	.157	10	16	.67	112	.200	2	4.28	.010	.19	.5	.04	3.0	.2	<.05	11	.5
LGG-05+450	.8	12.1	15.3	89	<.1	11.1	8.7	693	3.00	3.9	2.4	2.2	13.0	10	.1	.5	.3	64	.10	.155	9	16	.51	97	.206	2	3.76	.010	.18	.3	.04	2.6	.3	<.05	11	.5
RE LGG-05+450	.8	11.6	15.9	92	<.1	10.5	8.8	717	3.06	3.9	2.3	2.2	13.3	11	.1	.4	.3	66	.11	.160	9	16	.53	101	.214	1	3.95	.010	.20	.3	.04	2.7	.2	<.05	11	.7
LGG-05+475	.6	11.3	21.2	97	<.1	10.6	8.3	342	3.10	3.7	2.0	1.8	11.3	9	.1	.5	.3	64	.08	.147	10	16	.51	89	.207	1	3.69	.009	.16	.4	.05	2.6	.2	<.05	11	<.5
LGG-05+500	.7	8.5	19.8	93	<.1	9.8	10.8	1322	2.91	2.3	2.1	1.1	11.6	8	.2	.3	.3	65	.10	.127	10	16	.53	90	.189	1	2.87	.007	.19	.3	.04	2.2	.3	<.05	10	<.5
LGG-05+525	.6	17.2	15.2	80	<.2	11.3	7.9	624	2.32	2.8	2.3	1.6	8.0	11	.1	.3	.2	49	.10	.158	13	14	.53	113	.175	1	3.47	.011	.17	.4	.03	3.3	.2	<.05	9	<.5
LGG-05+550	.7	9.5	12.3	56	<.1	9.4	6.1	369	2.30	2.5	1.6	1.3	8.3	7	<.1	.3	.3	47	.06	.100	9	12	.33	71	.159	1	3.30	.012	.12	.4	.04	2.0	.2	<.05	9	<.5
LGG-05+575	.8	8.7	15.3	86	<.1	9.0	8.6	981	2.98	3.1	1.6	1.4	9.7	8	.1	.4	.3	64	.08	.113	10	15	.40	75	.199	2	3.15	.010	.14	.4	.05	2.3	.3	<.05	11	<.5
LGG-05+600	.8	17.8	13.5	55	<.1	10.8	8.3	396	2.68	3.5	2.4	1.8	9.0	9	.1	.3	.3	55	.08	.180	9	14	.43	100	.194	2	4.34	.011	.15	.7	.04	3.1	.3	<.05	11	<.5
LGG-05+6350	.3	9.5	24.6	98	<.1	7.9	4.2	810	1.68	1.7	4.2	1.5	4.1	32	.2	.2	.5	27	.21	.098	11	7	.24	240	.101	2	2.19	.014	.16	1.5	.03	2.2	.2	<.05	7	.5
LGG-05+1375	.2	9.6	15.9	110	<.1	9.8	4.4	411	1.66	4.8	1.1	1.2	3.9	34	.3	.3	.5	25	.20	.174	6	7	.20	254	.133	3	3.35	.027	.13	1.2	.04	2.0	.2	<.05	9	<.5
LGG-06+1400	.3	7.8	21.5	136	<.1	8.5	3.9	515	1.65	3.5	.9	1.2	3.3	26	.2	.2	.4	27	.17	.197	6	7	.20	196	.098	3	2.33	.015	.11	.5	.02	1.7	.2	<.05	7	.6
LGG-06+1425	.3	6.3	26.0	179	<.1	7.0	3.5	1690	1.53	2.8	.9	1.8	3.3	17	.4	.2	.3	25	.12	.089	9	7	.17	198	.087	2	1.98	.013	.10	.5	.02	1.9	.2	<.05	6	.6
LGG-06+1450	.3	6.7	19.8	319	<.1	7.7	3.5	1182	1.51	3.0	.5	1.4	2.6	15	.5	.3	.3	24	.10	.087	6	6	.16	157	.091	1	2.19	.011	.08	.4	.02	1.5	.2	<.05	7	<.5
LGG-06+1475	.5	8.4	20.2	115	<.1	7.2	4.2	447	1.57	3.3	.7	1.9	2.7	20	.2	.3	.3	26	.11	.070	8	7	.16	158	.097	2	2.26	.014	.07	.4	.03	1.7	.2	<.05	7	.9
LGG-06+1500	.5	8.3	20.8	83	<.1	7.2	3.9	455	1.69	2.8	.8	2.4	3.3	18	.1	.2	.3	28	.09	.079	8	7	.19	133	.105	2	2.56	.014	.08	.4	.03	2.1	.2	<.05	8	<.5
STANDARD DS7	19.1	112.7	69.8	407	.9	55.0	9.3	612	2.43	49.9	5.0	59.4	4.2	73	6.3	6.2	4.5	87	.92	.080	13	196	1.05	356	.111	44	.97	.092	.43	4.1	.19	2.7	4.1	.19	5	4.2

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA