ASSESSMENT REPORT DESCRIBING

GEOCHEMICAL WORK ON THE APOLLO CLAIMS

Claim Groups:

YD120031 – YD120083
YD49983 – YD50082
YD59028 – YD59100
YD59189 – YD59214

NTS 115O/04, 115J/13

LAT: 63.03° N

LONG: 139.85° W

WHITEHORSE MINING DISTRICT

WORK PERFORMED August 19, 2011

Report prepared on March 30, 2012

by

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1.0 SUMMARY AND RECOMMENDATIONS

A regional exploration program was undertaken by Kaminak Gold Corp. in 2010 in order to target available ground in the Dawson Range for gold potential. The APOLLO claims (252 claims), located 120 km south of Dawson City, were staked in 2010 based on favourable geologic setting, regional aeromagnetic characteristics, and regional structures in addition to the location of Minfile occurrences and anomalous regional stream sediment samples. A reconnaissance soil sampling program was conducted in September 2010 that focused on ridge tops, covering the majority of the property at 50 m sample spacing (510 samples). A 500 m wide gold anomaly was discovered in the south-central part of the property and a follow-up grid sampling program was conducted in 2011 in order to evaluate the anomaly. One hundred and sixty-five (165) grid soil samples were taken and the resulting gold values are weakly elevated (up to 39.7 ppb Au) within a northwest-trending corridor. The size of the open-ended, sporadic anomaly is 1000 by 500m and the geological setting is permissive for porphyry gold and gold breccia systems (among other possibilities). A total of $10 338.79 was spent testing the property in 2011 and a $6000 prospecting program is recommended.

Respectfully submitted,

Alan J. Wainwright, Ph.D., P.Geo.
District Geologist
Kaminak Gold Corp.

2.0 INTRODUCTION

In 2010, Kaminak Gold Corp. ("Kaminak") staked several regional gold prospects around its Coffee gold project located approximately 130 kilometers south of Dawson City, Yukon. These prospects were staked on the basis of combining regional stream sediment geochemistry with structural interpretation. The prospects include: APOLLO, RUN, LADUE and RICE claim blocks. On each of these claim blocks a reconnaissance soil survey was conducted. A gold anomaly was detected at APOLLO in 2010 and this document summarizes the results of the 2011 follow-up soil grid survey undertaken there.

3.0 LOCATION AND ACCESS

The APOLLO claims are located 120 km south of Dawson City in west-central Yukon and approximately 30 km northwest of the Supremo Zone on Kaminak's Coffee property (Figure 1). The Apollo property is located in west-central Yukon, centered at latitude 62.03N and longitude 139.85W (NTS mapsheets 115O/04 and 115J/13). Direct access to the property is by helicopter from Dawson or Carmacks. Air strips are located at the Thistle Creek and Coffee Creek (Kaminak) camps approximately 20 km from site and river access to the area is provided by barge landings on the Yukon River near both airstrips. River transport along the Yukon River from Dawson City to the barge landings is available for five months during the summer period when the river is free of ice.

4.0 CLIMATE AND PHYSIOGRAPHY

The APOLLO area consists of rolling to steep hills incised by streams. The majority of the APOLLO area is covered by trees, with some zones dominated by shorter shrub-like vegetation. Outcrops are exposed at the highest point on the property in the northwest corner and minor areas consisting of subcropping rock slabs were visited in the south-central part of the project area. The elevation range on the property is approximately 600 m to 1100 m. Yukon has a sub-arctic continental climate with a summer mean of 10° Celsius and a winter mean of minus 23° degrees Celsius. Summer and winter temperatures can reach up to 35 and minus 55° Celsius, respectively. Dawson City, the nearest town, has a daily average above freezing for 180 days per year.

5.0 LAND TENURE

A total of 252 claims were staked in 2010 during three campaigns (APOLLO claims staked by Minconsult, APOLLO2 claims staked by GroundTruth Exploration and APOLLO3 claims staked by Aurora; Figure 2; Appendix 1). The APOLLO, APOLLO2 and APOLLO3 claims are contiguous and considered as part of the same APOLLO exploration project. The claims were staked under the Yukon Quartz Mining Act and are registered with the Whitehorse mining recorder in the name of Kaminak Gold Corp.

6.0 PREVIOUS WORK

Limited historic work has been performed on the APOLLO claims. Minfile occurrence 115O 020 occurs on the west side of the property. The area was staked as the Apollo claims (Y5O333) in January 1970 by E. Johnston. The Minfile report indicates that claims were staked in an area of lightly gossaned Tertiary rhyolitic volcanic rocks capping Paleozoic (?) metasedimentary rocks. Stream sediment samples in the area were weakly anomalous in copper/molybdenum (Yukon Geological Survey, 1995).

The soil sample results from the ridge top reconnaissance traverses in 2010 yielded gold results that ranged from below detection (<0.5 ppb) to 72.7 ppb Au (Figure 3). One anomalous area was detected in the south-central part of the property where the southeast-trending reconnaissance soil traverse encountered 1 km of samples greater than 5 ppb Au. In the core of this anomaly is 500 m of sampling that includes four samples >20 ppb Au. Reconnaissance prospecting indicates that the anomalous samples are located near subcropping, weakly-pyritic, actinolite-chlorite-epidote altered granodiorite porphyry (Wainwright, 2011).

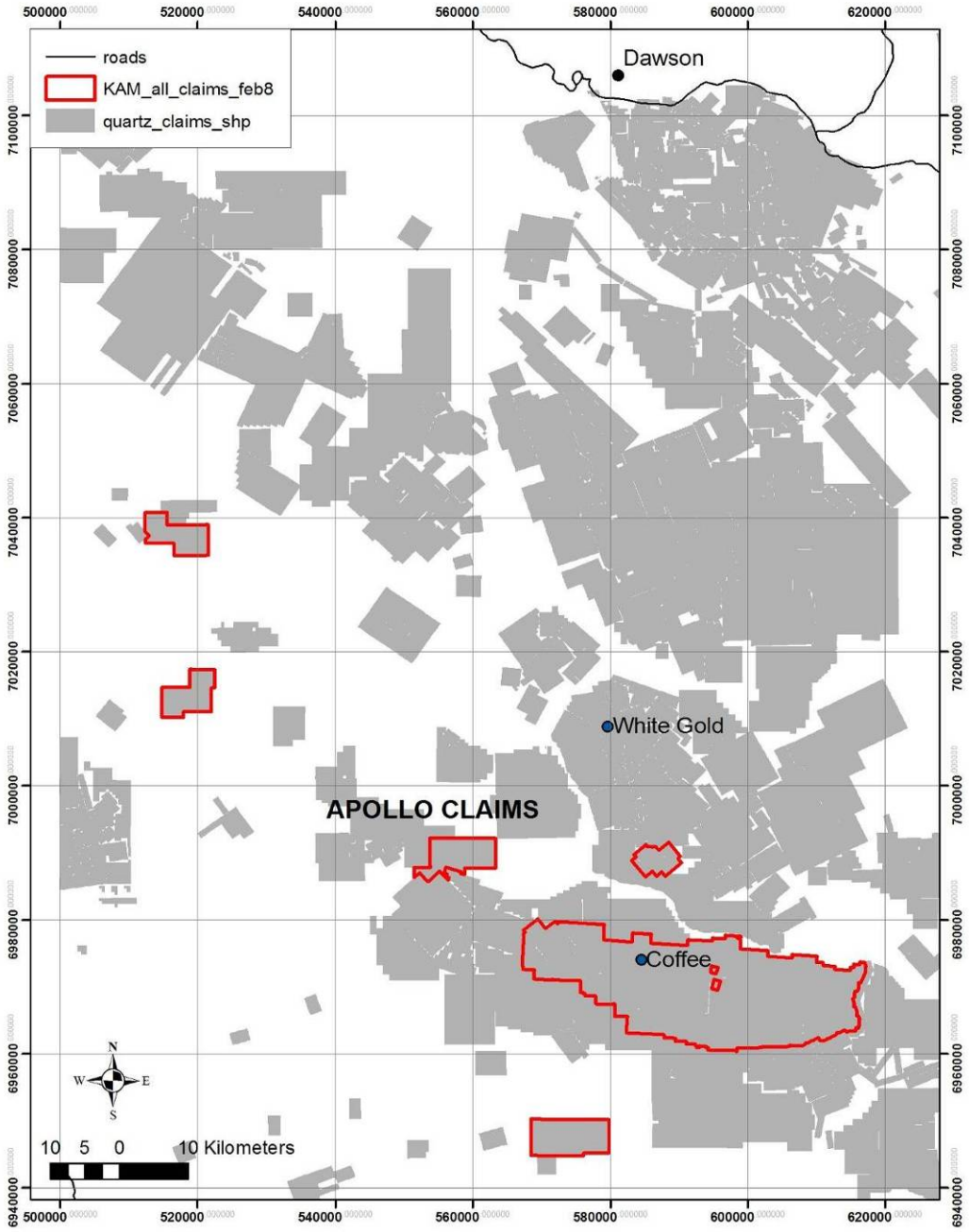

Figure 1 Location of the APOLLO claims, 120 km south of Dawson City, west-central Yukon. Coordinate system is UTM NAD83, zone 7.

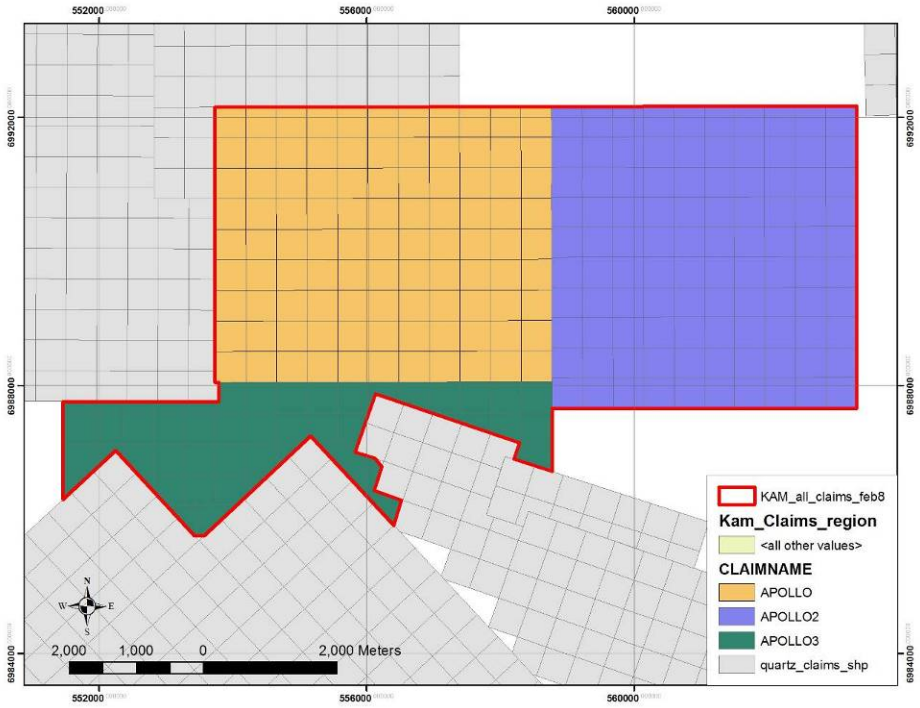

Figure 2 APOLLO claims.

7.0 GEOLOGICAL SETTING

7.1 Regional Geology

The APOLLO claims region is underlain by the Yukon-Tanana terrane, which is the basement for Mesozoic to Cenozoic plutons and batholiths including those from the Dawson Range and Cassiar intrusive suites (Figure 4). Cretaceous intrusive rocks (Cassiar and Dawson Range suites) are spatially associated with the White Gold and Coffee projects, in addition to a number of other gold-bearing mineral deposits in the region such as Sonora Gulch, Freegold Mountain, Casino and Minto.

7.2 Property Geology

The APOLLO claims are underlain by Devonian to Mississipian quartz-muscovite schist that is unconformably overlain by Cretaceous mafic to intermediate volcaniclastic rocks (from Gordey and Makepeace, 1999; Figure 5). A reconnaissance field visit to the south-central part of the claims suggests that there are unmapped felsic intrusions in the area:

1. Subcropping angular boulders at the Site 1 consisted of crowded granodiorite porphyry characterized by 5-8% biotite (0.5-1 mm), 5-8% hornblende (1-2 mm), 60% plagioclase (3-7 mm) and 5-10% quartz (<1 mm). Crowded microporphyry textures were also noted in the intrusion. The rocks at Site 1 are magnetic and hornblende is locally altered to finer-grained secondary actinolite. Ferromagnesian mineral phases are generally weakly chlorite-epidote altered and trace pyrite was noted (Figure 6).

2. Subcrop at Site 2 consisted of granodiorite characterized by 5-8% biotite (1-2 mm), 10-15% quartz (2-4 mm); 50-60% plagioclase (2-4 mm) set in minor (<5%) holocrystalline quartz-feldspar groundmass. The intrusion at Site 2 is coarser-grained, relatively felsic and exhibits weak mineral alignment compared to Site 1 (Figure 7).

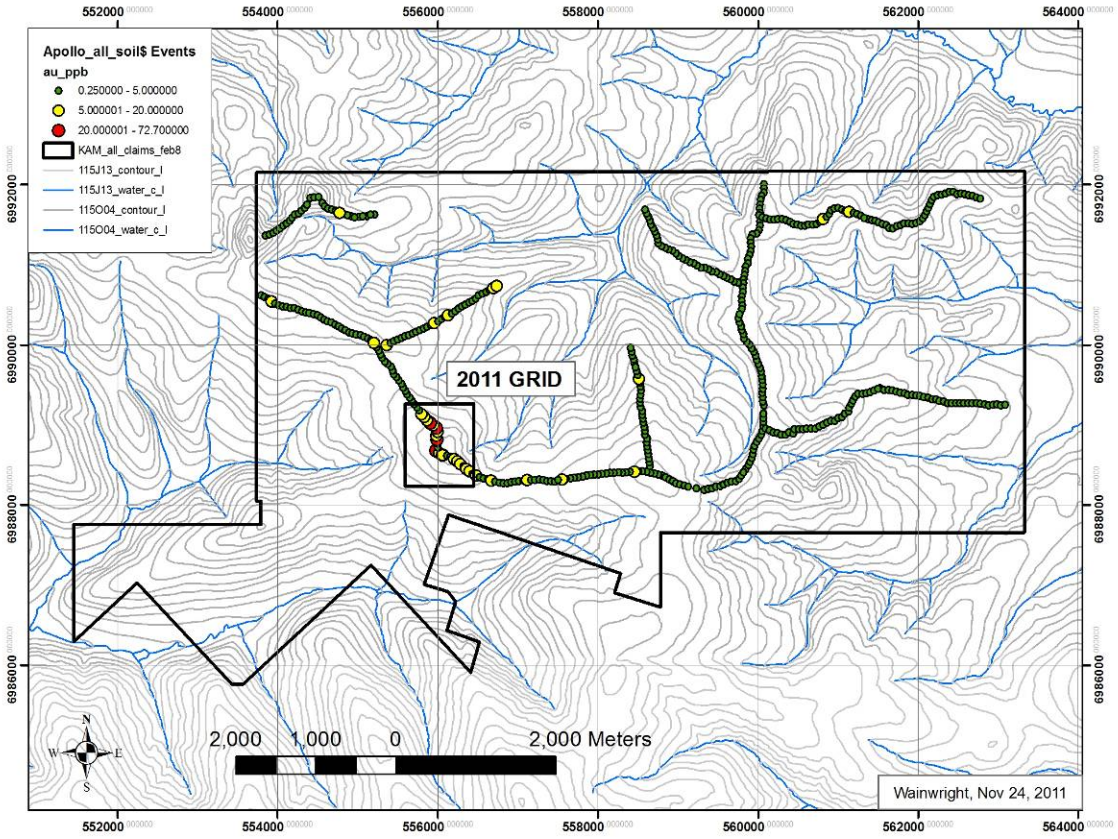

Figure 3 Gold-in-soil values (ppb) obtained during the 2010 reconnaissance soil campaign at APOLLO. Coordinate system is UTM NAD83, zone 7. Refer to Fig. 8 for the 2011 grid.

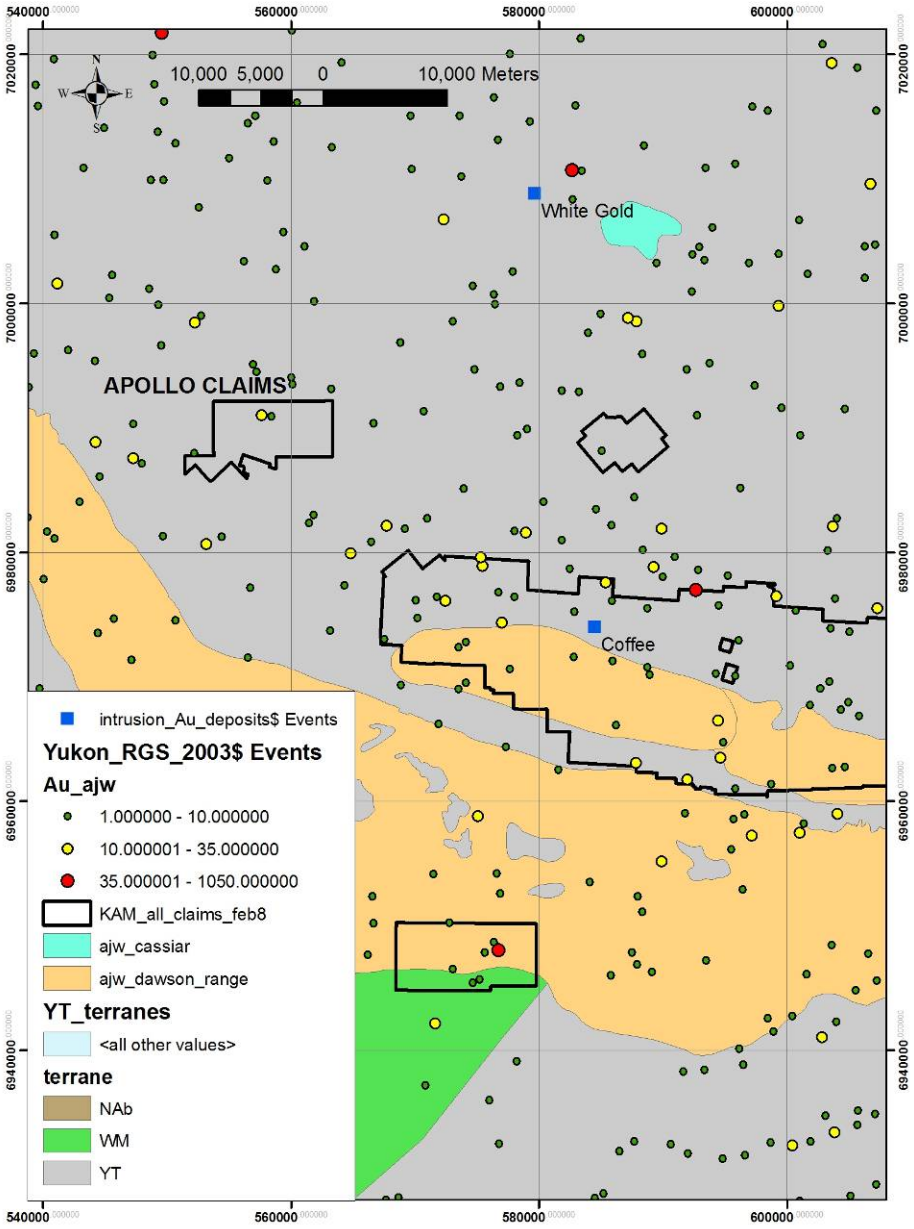

Figure 4 Regional geology for the Apollo area (after Gordey and Makepeace, 1999) overlain by regional stream sediment gold data (ppb; Heon, 2003). Coordinate system is UTM NAD83, zone 7.

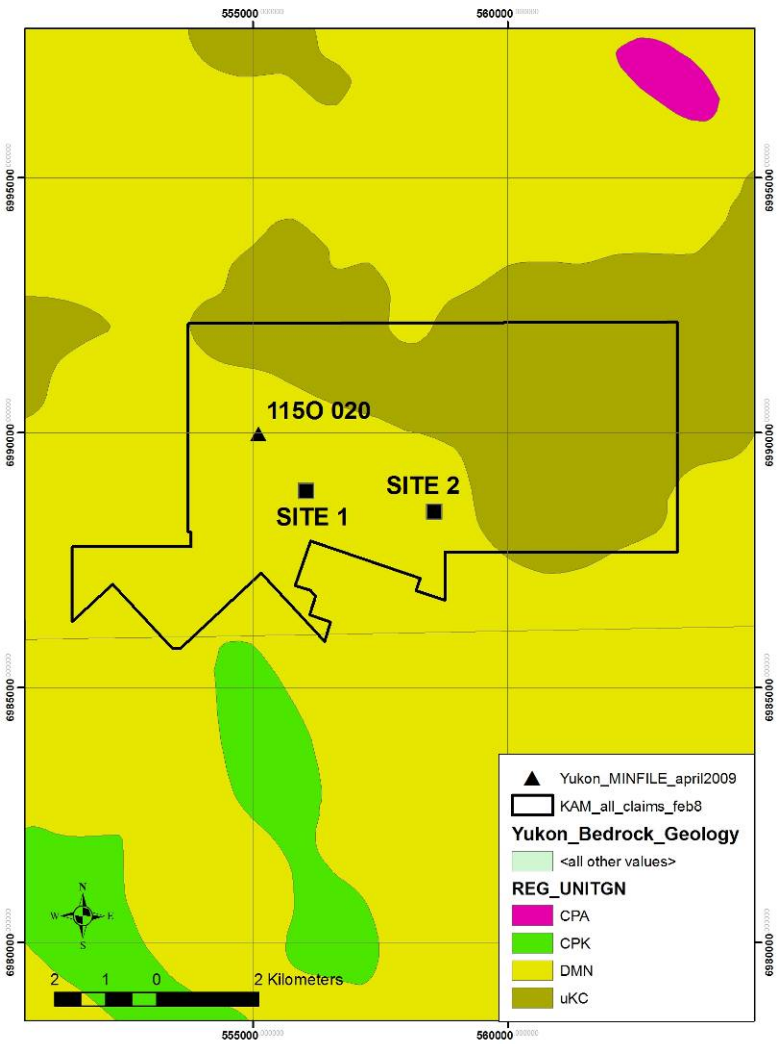

Figure 5 Property-scale geology for the Apollo area (after Gordey and Makepeace, 1999). Unmapped felsic intrusions were observed at Site 1 and Site 2. Cretaceous mafic-intermediate volcaniclastic rocks (uKC; brown); Carboniferous/Permian ultramafic rocks (CPA; purple); Carboniferous/Permian metaclastic and metavolcanic rocks (CPK; green); Devonian/Mississipian quartz-muscovite schist (DMN; orange). Coordinate system is UTM NAD83, zone 7.

Figure 6 Crowded granodiorite porphyry from Site 1 at APOLLO.

Figure 7 Granodiorite intrusion with weak mineral alignment from Site 2 at APOLLO.

8.0 CURRENT WORK

8.1 Soil Survey

Soil sampling was carried out by Ground Truth Exploration from Dawson City, Yukon. One hundred and sixty-five (165) soil samples were collected along 100 m spaced east-west lines with sampling stations spaced by 50 metres. The 4-man crew was based out of the Groundtruth Thistle camp and completed the work on August 19, 2011.

Samples were collected using a hand auger to various depths depending on the soil profile. The organic A horizon material was discarded, and augering continued until the C horizon rock chips were encountered, checking for false bottoms on the A horizon profile. Soil samples were collected over intervals varying from 60 to 70 centimetres, with maximum depth not exceeding the 1.25 metre length of the auger. Samples were placed directly in pre-marked bags. A field duplicate sample was collected at a rate of one every twenty-five samples. Sample number, location, depth, and geological parameters were recorded directly into a hand-held computer with a GPS reading of sample

location also stored separately as a backup. The sample location was marked with flagging tape and a metal tag on a nearby tree.

The sample information was downloaded from the hand-held computers into spreadsheets, and subsequently integrated into Kaminak's project database. Samples were submitted by the contractor to Acme Laboratories in Vancouver, British Columbia and analysed by ICP-MS for 36 elements (analytical package 1DX15).

8.2 Results

The soil results indicate that the grid area underlain by scattered, weakly anomalous gold geochemistry (Appendix 2). A number of samples that exceed 10 ppb appear to correspond to a weak northwest trend, parallel to the traverse direction of the 2010 reconnaissance sampling line. The maximum value obtained in 2011 is 39 ppb Au (compared to 72 ppb Au in 2010). Other metals such as copper, silver and zinc are at low levels, typical for soil samples in the region. Assay certificates from the sampling program are given in Appendix 3.

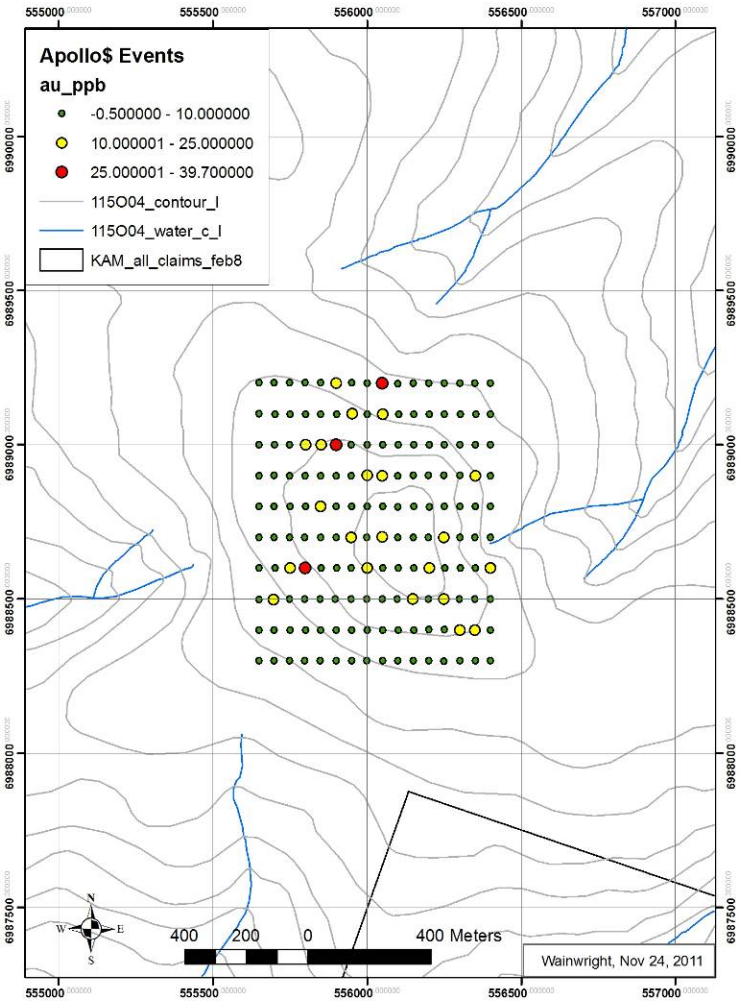

Figure 8 Soil sampling grid (south-central part of the APOLLO claim block) on the reconnaissance gold anomaly (ppb) detected in 2010. Coordinate system is UTM NAD83, zone 7.

9.0 DISCUSSION AND RECOMMENDATIONS

The soil results are weakly anomalous for gold and the anomaly appears to trend northwest. The anomaly is not closed off to the north, southwest or southeast. Although the magnitude of the gold values is considered low compared to elsewhere in the region (such as on the Coffee property), it may be related to actinolite-chlorite-pyrite alteration of porphyritic to equigranular intrusions detected during 2010 reconnaissance prospecting. The gold anomaly is quite large (approx. 1000 by 500 m), and the array of magmatic-hydrothermal-structural systems present in the region (such as porphyry systems) suggests that geochemical anomalies of all styles should be investigated. The geological setting at APOLLO has potential for porphyry gold or gold breccia pipe styles among other possibilities. Subcrop is present in the area of the anomaly (suitable for prospecting) and a 4 man-day, $6000 prospecting program is recommended (Table 1).

Item	**cost**
4 Geologists @ $500/day.	2000
Helicopter time + fuel	2000
20 Samples (shipping + analysis)	1000
Data analysis and report writing (2 days @ $500/day)	1000
Total	$6000

Table 1 Cost estimate for the recommended prospecting program.

10.0 STATEMENT OF EXPENDITURES

The total expenditures for the 2011 grid soil sampling at APOLLO were $10 338.79 (summarized in Table 2).

Item	**cost**	**GST/HST**	**total**
Soil sampling	3502.5	175.13	3677.63
Analytical	2949.15	353.90	3303.05
Helicopter time + fuel	1769.63	88.48	1858.11
Data analysis and report writing (3 days @ $500/day)	1500		1500
Total			**$10 338.79**

Table 2 Cost summary for the 2011 work at APOLLO.

11.0 REFERENCES CITED

Gordey, S.P. and Makepeace, A.J. (comp.), 1999: Yukon bedrock geology in Yukon digital geology, S.P. Gordey and A.J. Makepeace (comp.); Geological Survey of Canada Open File D3826 and Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-1(D).

Heon, D. (compiler), 2003. Yukon Regional Geochemical Database 2003 - Stream sediment analyses. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada.

Wainwright, A.J., 2011. Reconnaissance geochemical and geological report, YMIP 10-153 (APOLLO; Target 5), YMIP technical report, 39 pages.

Yukon Geological Survey, 1995, Yukon Minfile 115O 020http://ygsftp.gov.yk.ca/httpdocs/minfile/download.html.

12.0 STATEMENT OF QUALIFICATIONS

I, Alan John Wainwright, hereby certify that:

1. I am a mineral exploration geologist with offices at Suite 1020 – 800 West Pender Street, Vancouver BC V6C 2V6.
2. I am a graduate of McGill University (B.Sc., 2000), University of Toronto (M.Sc., 2003) and The University of British Columbia (Ph.D., 2008), all in geology. I have been engaged in mineral exploration since 1999.
3. I am a Professional Geoscientist of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration #33841.
4. I have had direct involvement with the exploration program conducted on the area discussed in this report. I am familiar with mineral deposit models and have experience conducting evaluations of mineral properties. I visited the APOLLO claims in June 2010.

Respectfully submitted,

Alan J. Wainwright, Ph.D., P.Geo.
District Geologist
Kaminak Gold Corp.

13.0 APPENDIX 1 – APOLLO Claims

ClaimNbr	Grantnumber	ClaimExpiryDate	ClaimOwner	Status	RecordedDate	StakingDate	district
31	YD120031	2012/11/17	Andre Lebel - 100%	Active	2010/11/17	2010/11/11	Whitehorse
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ClaimNbr	Grantnumber	ClaimExpiryDate	ClaimOwner	Status	RecordedDate	StakingDate	district
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37	YD50019	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
38	YD50020	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
39	YD50021	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
40	YD50022	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
41	YD50023	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
42	YD50024	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
43	YD50025	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
44	YD50026	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
45	YD50027	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
46	YD50028	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
47	YD50029	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
48	YD50030	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
49	YD50031	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
50	YD50032	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
51	YD50033	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
52	YD50034	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
53	YD50035	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
54	YD50036	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
55	YD50037	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
56	YD50038	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
57	YD50039	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
58	YD50040	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
59	YD50041	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse
60	YD50042	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/08	Whitehorse

ClaimNbr	Grantnumber	ClaimExpiryDate	ClaimOwner	Status	RecordedDate	StakingDate	district
61	YD50043	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
62	YD50044	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
63	YD50045	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
64	YD50046	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
65	YD50047	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
66	YD50048	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
67	YD50049	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
68	YD50050	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
69	YD50051	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
70	YD50052	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
71	YD50053	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
72	YD50054	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
73	YD50055	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
74	YD50056	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
75	YD50057	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
76	YD50058	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
77	YD50059	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
78	YD50060	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
79	YD50061	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
80	YD50062	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
81	YD50063	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
82	YD50064	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
83	YD50065	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
84	YD50066	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
85	YD50067	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
86	YD50068	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
87	YD50069	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
88	YD50070	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
89	YD50071	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse

ClaimNbr	Grantnumber	ClaimExpiryDate	ClaimOwner	Status	RecordedDate	StakingDate	district
90	YD50072	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
91	YD50073	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
92	YD50074	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
93	YD50075	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
94	YD50076	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
95	YD50077	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
96	YD50078	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
97	YD50079	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
98	YD50080	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
99	YD50081	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
100	YD50082	2012/06/24	Kaminak Gold Corp. - 100%	Active	2010/06/24	2010/06/06	Whitehorse
1	YD59028	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
2	YD59029	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
3	YD59030	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
4	YD59031	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
5	YD59032	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
6	YD59033	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
7	YD59034	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
8	YD59035	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
9	YD59036	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
10	YD59037	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
11	YD59038	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
12	YD59039	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
13	YD59040	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
14	YD59041	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
15	YD59042	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
16	YD59043	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
17	YD59044	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
18	YD59045	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse

ClaimNbr	Grantnumber	ClaimExpiryDate	ClaimOwner	Status	RecordedDate	StakingDate	district
19	YD59046	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
20	YD59047	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
21	YD59048	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
22	YD59049	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
23	YD59050	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
24	YD59051	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
25	YD59052	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
26	YD59053	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
27	YD59054	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
28	YD59055	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
29	YD59056	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
30	YD59057	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
31	YD59058	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
32	YD59059	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
33	YD59060	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
34	YD59061	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
35	YD59062	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
36	YD59063	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/19	Whitehorse
37	YD59064	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
38	YD59065	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
39	YD59066	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
40	YD59067	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
41	YD59068	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
42	YD59069	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
43	YD59070	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
44	YD59071	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
45	YD59072	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
46	YD59073	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
47	YD59074	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse

ClaimNbr	Grantnumber	ClaimExpiryDate	ClaimOwner	Status	RecordedDate	StakingDate	district
48	YD59075	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
49	YD59076	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
50	YD59077	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
51	YD59078	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
52	YD59079	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
53	YD59080	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
54	YD59081	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
55	YD59082	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
56	YD59083	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
57	YD59084	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
58	YD59085	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
59	YD59086	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
60	YD59087	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
61	YD59088	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
62	YD59089	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
63	YD59090	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
64	YD59091	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
65	YD59092	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
66	YD59093	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
67	YD59094	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
68	YD59095	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
69	YD59096	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
70	YD59097	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
71	YD59098	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
72	YD59099	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
73	YD59100	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
74	YD59189	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
75	YD59190	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
76	YD59191	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse

ClaimNbr	Grantnumber	ClaimExpiryDate	ClaimOwner	Status	RecordedDate	StakingDate	district
77	YD59192	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
78	YD59193	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
79	YD59194	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
80	YD59195	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
81	YD59196	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
82	YD59197	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
83	YD59198	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
84	YD59199	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
85	YD59200	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
86	YD59201	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
87	YD59202	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
88	YD59203	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
89	YD59204	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
90	YD59205	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
91	YD59206	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
92	YD59207	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
93	YD59208	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
94	YD59209	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
95	YD59210	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
96	YD59211	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/17	Whitehorse
97	YD59212	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
98	YD59213	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse
99	YD59214	2012/04/21	Kaminak Gold Corp. - 100%	Active	2010/04/21	2010/04/18	Whitehorse

14.0 APPENDIX 2 – Sample locations from the soil grid and analytical results for select elements. All results in ppm except Au (ppb).

SampleID	East	North	Au_ppb	Ag_ppm	As_ppm	Cu_ppm	Hg_ppm	Mo_ppm	Ni_ppm	Pb_ppm	Sb_ppm	Zn_ppm
1054889	555800	6988400	2.4	0.2	7.4	25.4	0.03	1.3	30.2	21.7	0.4	75
1054890	555750	6988400	5.3	0.4	8.6	35.5	0.05	2.2	32.9	32.7	0.5	86
1054891	555699	6988400	5.8	0.5	30.4	39	0.04	2.1	64.9	217	1.7	452
1054892	555649	6988400	6.3	0.3	14.7	24.7	0.04	1.9	26.1	63.6	0.8	98
1054898	556400	6988300	3.3	-0.1	30.4	29.6	0.02	1	28.1	19.6	3.2	59
1054899	555951	6989101	21.3	0.6	18.9	36.8	0.06	0.9	17.1	19.7	0.6	55
1054900	555901	6989100	5.8	0.3	12.1	22.9	0.05	1	19.7	35.1	0.5	67
1072136	556001	6988601	11.7	0.2	10.6	27.5	0.03	1.3	26.1	29.2	0.5	78
1072137	555949	6988600	4.9	0.2	9.3	28.1	0.04	1.9	21.9	26	0.4	60
1072138	555901	6988600	2.7	0.1	3.5	15.1	0.04	0.8	7.1	7.9	0.2	21
1072139	555851	6988600	8.4	0.2	15.5	30	0.04	1.9	31.5	28.6	0.6	80
1072140	555799	6988600	29.6	2.3	20.7	53.7	0.15	4	43.7	75.1	0.9	116
1072141	555750	6988600	15.9	1	27.2	34.5	0.12	2.6	33.6	57.1	0.9	97
1072142	555750	6988600	15.6	1	26.1	34.5	0.11	2.2	31.7	55.6	1	100
1072143	555701	6988600	2	0.5	13.6	22	0.05	1.2	15.6	25.6	0.4	51
1072144	555650	6988600	2.4	0.4	6.2	21.7	0.02	1.3	8.6	24.4	0.3	28
1072186	556148	6988500	11.4	0.2	9.1	33.9	0.03	1	40.1	30.5	0.5	70
1072187	556148	6988500	12	0.1	9.4	31.8	0.02	1	40.9	31.1	0.6	66
1072188	556199	6988500	5.9	0.2	12.3	29.7	0.03	1.9	35	18.9	0.6	71
1072189	556249	6988500	12.5	0.2	11.7	24.2	0.03	1.5	31.2	14.5	0.6	63
1072190	556299	6988500	5.6	0.2	2.3	20.2	0.02	0.9	10.2	13.5	0.2	22
1072191	556349	6988500	6.8	-0.1	22.8	20.4	0.02	1	41.1	37.2	0.9	83
1072192	556400	6988500	9.2	-0.1	12.7	29	0.02	1.2	43.5	31.9	0.7	73
1072193	556400	6988600	14.4	0.1	8.7	26.2	0.03	1.1	43.5	23.1	0.7	68
1072194	556351	6988600	3.1	0.1	8.5	17.2	0.03	0.9	17.2	16.3	0.5	28
1072195	556302	6988600	3.7	0.4	7.3	38	0.02	1.1	32.3	29.8	0.5	31
1072196	556252	6988600	1.2	0.2	0.7	5.2	0.02	0.3	6.4	3.5	-0.1	8
1072197	556201	6988600	15.1	0.4	7	23.9	0.03	0.8	34.6	36.2	0.4	49
1072198	556151	6988600	4.6	0.3	11.6	23.2	0.04	1.3	30.9	26.3	0.6	73
1072199	556101	6988601	3.3	0.2	7.4	15.7	0.03	1.3	15.8	13.6	0.4	56

SampleID	East	North	Au_ppb	Ag_ppm	As_ppm	Cu_ppm	Hg_ppm	Mo_ppm	Ni_ppm	Pb_ppm	Sb_ppm	Zn_ppm
1072200	556050	6988600	3.7	0.2	3.1	19.2	0.02	0.8	10.9	10.2	0.2	36
1072697	555850	6989100	2.9	0.1	9.6	20.4	0.04	1.2	10.8	16.2	0.4	33
1072801	555649	6989201	4.4	0.3	50.8	28.2	0.05	1.1	23	11.2	0.8	63
1072802	555698	6989201	6.9	0.1	11.5	24.2	0.04	0.7	21	9.2	0.7	52
1072803	555749	6989201	5.3	0.2	9.9	33.8	0.05	1	26.5	12.3	0.9	64
1072804	555799	6989201	3.3	0.1	10.3	28.6	0.03	1.1	26.4	9	0.6	61
1072805	555849	6989201	3.5	0.2	9.6	22.3	0.02	1.5	17.2	6.3	0.5	43
1072806	555899	6989200	10.2	0.5	30.3	48.1	0.04	2.5	38.4	13.7	0.8	114
1072807	555950	6989201	7.4	0.6	13.6	27.4	0.04	1.6	15	17.6	0.6	46
1072808	556000	6989200	9.8	0.5	10.6	23.2	0.05	1.5	23.8	16.6	0.6	86
1072809	556049	6989200	39.7	0.4	9.4	23.5	0.05	1.8	20.1	19.7	0.6	80
1072810	556099	6989199	9.9	0.2	6.8	15.4	0.03	2.1	16.3	17.6	0.4	69
1072811	556150	6989200	6.3	0.2	6.6	12	0.05	0.8	14.8	18.4	0.4	54
1072812	556200	6989200	6.9	0.1	13	11.7	0.03	1	15.9	10.2	0.3	50
1072813	556250	6989200	1.5	0.1	8.9	10.2	0.05	0.9	9.6	6.3	0.2	26
1072814	556300	6989200	0	0	0	0	0	0	0	0	0	0
1072815	556350	6989200	3.4	-0.1	14	16.3	0.04	0.8	19.4	10.2	0.4	52
1072816	556400	6989200	3.2	0.2	23.8	26.7	0.06	1.1	21.6	11.9	0.5	64
1072817	556400	6989099	4	0.2	10.5	18	0.04	0.8	17.6	10.8	0.3	47
1072818	556352	6989099	0	0	0	0	0	0	0	0	0	0
1072819	556302	6989100	9.7	0.2	11.5	24.9	0.03	0.6	22.6	14.4	0.5	58
1072820	556251	6989099	3.3	0.2	21.7	28.5	0.04	1.1	23.6	15.1	0.6	62
1072821	555650	6988700	7.6	0.3	18.6	26.8	0.03	2.1	26.1	20.2	0.6	70
1072822	555699	6988699	5	0.1	32.7	25	0.02	2.3	26.3	24	0.8	58
1072823	555749	6988700	3.3	0.1	25.5	20.1	0.02	1.3	21.5	22.5	0.7	61
1072824	555798	6988699	5.4	0.2	8.2	26.2	0.03	1.1	19	15.3	0.4	39
1072825	555849	6988699	5.7	0.2	14.4	30.3	0.02	1.6	29.1	20.7	0.7	61
1072826	555899	6988700	9	0.5	9.5	36.1	0.06	1.6	31.7	22	0.4	56
1072827	555948	6988699	14.5	0.2	8.2	30.2	0.01	1.7	27	16.1	0.4	77
1072828	555999	6988700	4.9	0.1	6.5	26.1	0.03	0.7	24.3	13.5	0.4	55
1072829	556049	6988701	12	0.1	8.1	35.9	0.03	1.5	26.3	23.3	0.5	78
1072830	556099	6988700	2.7	0.1	10.7	19.7	0.03	1.3	26.6	13.3	0.5	59
1072831	556199	6988700	6.9	0.2	11.1	26	0.02	1.8	38.2	15.7	0.6	56
1072832	556149	6988700	4.6	0.1	9.6	25.6	0.01	0.9	66.3	15.9	0.6	62

SampleID	East	North	Au_ppb	Ag_ppm	As_ppm	Cu_ppm	Hg_ppm	Mo_ppm	Ni_ppm	Pb_ppm	Sb_ppm	Zn_ppm
1072833	556249	6988700	15.9	0.2	5.8	27.1	0.04	1	58.5	22.3	0.5	73
1072834	556300	6988700	7.6	0.2	4.8	26.5	0.03	0.8	57	17.8	0.4	52
1072835	556350	6988699	5.8	0.3	4.4	26.3	0.04	0.7	45.7	23.7	0.3	41
1072836	556400	6988700	5.7	0.2	4.4	20.9	0.04	0.8	43.7	17.3	0.3	43
1072837	556400	6988801	5.9	-0.1	7.5	25.8	0.02	1.1	49.8	15.7	0.4	55
1072838	556351	6988801	6.9	0.1	5.5	33.3	0.03	0.9	61	14.4	0.4	60
1072839	556301	6988800	3.4	0.1	3.3	14.7	0.03	0.9	21.7	11.4	0.2	41
1072840	556251	6988801	7.2	0.1	7.9	34.1	0.03	1.3	47.9	13	0.3	67
1072841	556201	6988799	3.4	-0.1	6.3	19.5	0.04	1.2	18.5	15	0.3	37
1072842	556151	6988801	2.7	0.2	8.2	21.3	0.04	1	24.6	11.6	0.4	51
1072843	556100	6988799	3.8	-0.1	7.2	18.4	0.02	1.1	17.3	12.6	0.3	49
1072844	556050	6988801	4.2	0.2	5.2	19.9	0.03	1.2	13.2	13.2	0.3	38
1072901	555750	6989100	3.6	0.2	13.8	20	0.02	0.9	20.9	13.8	0.8	67
1072903	555701	6989100	2.6	0.3	11.1	28.4	0.05	0.9	26.2	13.4	0.8	66
1072905	555650	6989101	2.4	0.1	4.5	17.7	0.03	0.8	9.6	8.9	0.2	24
1072909	555801	6989100	5.6	0.4	9.2	15.6	0.05	0.8	12.9	45.7	0.5	36
1072910	555650	6988300	2.6	0.3	19.9	29.4	0.04	1.7	25.4	31.9	1.3	81
1072911	555698	6988301	3.1	0.1	20.7	19.9	0.02	1.6	20.2	17.2	1.8	71
1072912	555749	6988300	5.3	0.1	24.1	31.7	0.03	1.9	28.6	20.4	1.6	75
1072913	555798	6988300	2.8	0.2	20.8	27	0.03	1.7	35.2	32.9	1.3	88
1072914	555848	6988300	3.9	0.1	48.3	23.8	0.02	1.6	32.9	19.3	1.5	65
1072915	555899	6988300	2.8	0.2	18.4	27.9	0.03	1.4	42.2	22.2	0.8	69
1072916	555950	6988300	7.1	0.1	13.4	30.1	0.02	1.8	36.4	37.2	1.4	87
1072917	555999	6988300	4.7	0.2	11.4	26.2	0.02	1.5	34.7	52.3	1.1	134
1072918	556050	6988300	6.7	-0.1	9.8	25.3	0.01	0.9	39.4	27.2	0.6	75
1072919	556099	6988300	6.7	-0.1	16.2	29.8	0.02	1.2	46.1	26.1	0.8	71
1072920	556149	6988300	7.3	0.1	24.4	31.8	0.03	1.8	47.4	24.8	1.1	71
1072921	556200	6988300	2.2	0.1	25.3	29.1	-0.01	1.1	15.7	26.9	3	38
1072922	556200	6988300	3.3	0.1	26	27.7	0.01	1.1	16.7	25.5	2.8	38
1072923	556249	6988299	5.8	-0.1	21.6	38.4	0.01	1.2	56.6	30.3	2.1	89
1072924	556300	6988300	5.6	-0.1	14.3	36.1	0.03	0.9	32.1	12.9	0.5	59
1072925	556351	6988300	7.7	0.3	64.6	62.8	0.01	3.8	36.5	35.1	3.2	125
1090746	556202	6989100	2.6	0.1	7.3	16.8	0.04	0.8	22.7	13.7	0.4	60
1090747	556152	6989100	7.6	0.3	34.1	26.6	0.04	2	25.6	17.7	0.7	74

SampleID	East	North	Au_ppb	Ag_ppm	As_ppm	Cu_ppm	Hg_ppm	Mo_ppm	Ni_ppm	Pb_ppm	Sb_ppm	Zn_ppm
1090748	556102	6989100	5.9	0.2	14.2	22.6	0.04	0.5	21.7	45.1	0.8	73
1090749	556051	6989100	15.4	0.4	6.7	24.5	0.06	2.1	18.6	26.3	0.3	66
1090750	556001	6989100	9.1	0.4	13.6	17.3	0.04	4.2	12.9	17.8	0.4	52
1093689	556400	6988400	8.6	-0.1	11.6	36.6	0.04	0.9	37.6	14.1	0.6	59
1093690	556350	6988400	12	-0.1	11.5	30.7	0.03	1.6	37.7	17.8	0.5	69
1093691	556300	6988400	10.5	-0.1	16	38.8	0.02	1.5	47.3	20.7	0.7	72
1093692	556250	6988401	4.8	0.1	18.2	28	0.02	1.9	50.2	27.6	0.6	80
1093693	556200	6988401	7.6	-0.1	12.3	37.7	0.02	1.7	74.5	21.7	0.7	71
1093694	556151	6988400	8.3	0.1	13.6	37.6	0.02	1.2	54.9	35.6	0.8	77
1093695	556101	6988400	5.9	0.2	10	40	0.03	1.1	41.9	30.8	0.4	64
1093696	556050	6988400	7.7	0.3	11.6	44.7	0.02	1.6	56.9	46.6	0.5	78
1093697	556000	6988400	7.3	0.1	11	39.9	0.02	1.6	49.2	34.3	0.5	77
1093698	555950	6988400	5.8	0.1	9.5	27	0.02	1.5	32.5	20.1	0.4	67
1093699	555900	6988400	3.9	-0.1	8.2	28.8	0.01	1.2	43.6	22.6	0.5	74
1093700	555850	6988400	3.5	0.1	9.9	27.4	0.02	1.4	41.5	17.4	0.4	69
1167391	555650	6988499	5.9	0.3	8.7	19.5	0.03	1	24.4	28.7	0.5	74
1167392	555697	6988499	10.3	0.5	12.2	23.1	0.06	1.5	27.7	45.8	0.6	97
1167393	555749	6988500	7.3	0.9	10.1	28.3	0.1	1.8	23	27.9	0.6	64
1167394	555797	6988500	4.7	0.4	4.6	32.7	0.05	1.1	14.7	13.8	0.2	36
1167395	555848	6988500	6	0.4	9.1	31.1	0.04	1.7	26.4	17.7	0.4	64
1167396	555897	6988500	2.6	0.3	3.1	16.8	0.04	0.8	7.8	9.6	0.2	25
1167397	555948	6988500	2.3	0.3	3.3	14.9	0.03	0.9	8.9	9.9	0.2	22
1167398	555999	6988500	3.3	0.1	7	27.2	0.01	1.5	29.8	18.4	0.4	60
1167399	556049	6988500	8.5	0.2	7.4	46.1	0.01	1.4	38.7	32.8	0.4	68
1167400	556098	6988500	9.1	0.6	10.6	25.3	0.03	1.5	33	41.2	0.6	88
1167480	556000	6988800	2.4	-0.1	3.7	17.1	0.02	2.1	6.2	11.8	0.4	27
1167481	555950	6988800	5.6	0.4	2.5	86	0.03	1.4	7.4	13.4	0.2	22
1167482	555900	6988801	2.9	-0.1	2.6	14.1	0.02	0.7	13.8	7.5	0.1	20
1167483	555850	6988801	13.8	-0.1	27.5	43.1	0.02	2.3	38.8	75	1.5	138
1167484	555800	6988800	6.7	0.1	12.4	33.6	0.03	2.4	27.9	32.9	0.5	62
1167485	555750	6988801	5	-0.1	8.3	22.3	0.02	1.3	25.2	14.9	0.4	47
1167486	555750	6988801	2.7	-0.1	8.3	22.6	0.03	1.3	25.8	14.7	0.5	47
1167487	555698	6988801	2.9	-0.1	28.4	21.7	0.03	1.9	24.8	25.2	0.5	50
1167488	555649	6988801	4.5	0.2	14.1	21.9	0.04	1.5	24.5	42.6	0.5	65

SampleID	East	North	Au_ppb	Ag_ppm	As_ppm	Cu_ppm	Hg_ppm	Mo_ppm	Ni_ppm	Pb_ppm	Sb_ppm	Zn_ppm
1203401	555650	6988900	5	-0.1	31	16.6	0.01	1.3	11.1	28.3	0.4	30
1203402	555699	6988901	3.7	-0.1	27.1	13.1	0.02	1.2	13.7	16.7	0.9	41
1203403	555749	6988900	4.6	0.2	53.3	41.5	0.02	0.9	9.3	9.8	1.4	20
1203404	555799	6988900	4.3	0.6	41.6	191	0.02	1.8	49.3	21.3	1.6	132
1203405	555849	6988900	6.3	0.2	27.6	59.9	0.02	2.2	21	90.4	1.3	66
1203406	555899	6988900	3.7	0.3	28.5	37.8	0.03	2	26.6	55	1	70
1203407	555948	6988900	7.2	-0.1	9.6	37.6	0.03	1.1	27.5	19.6	0.4	62
1203408	556000	6988901	16.2	0.6	21.7	71	0.06	3.6	27.4	48.5	0.8	98
1203409	556049	6988900	12.8	0.8	37.8	38.3	0.03	1.7	43.8	135.8	1.9	157
1203410	556100	6988900	1.9	-0.1	2.4	12	0.02	0.8	6.9	4.2	0.2	22
1203411	556150	6988901	-0.5	-0.1	2	7.4	0.03	0.4	7.5	2.8	-0.1	12
1203412	556199	6988901	3.7	-0.1	7.5	23.4	0.02	1	43.2	12.9	0.4	50
1203413	556249	6988901	7.5	0.3	9.8	18.4	0.04	2.7	17.8	19.2	0.6	67
1203414	556300	6988901	2.8	0.2	2.1	19.3	0.02	0.8	8.3	5.7	0.2	34
1203415	556351	6988900	16.9	0.4	8.5	37.5	0.04	2.5	40.3	17.2	0.4	56
1203416	556399	6988900	9.2	0.3	8.8	31	0.04	1.3	27.5	13.9	0.4	48
1203417	556400	6989000	4	-0.1	6.8	15.3	0.02	1	8.1	8.6	0.2	24
1203418	556351	6989000	3.6	0.2	16.4	27.9	0.03	1.2	24	13.1	0.6	65
1203419	556301	6989000	6.5	0.3	19.9	40.9	0.04	1.2	30.5	28	0.9	83
1203420	556251	6989000	6.6	0.2	11.4	12.2	0.04	0.8	8.2	8.6	0.4	25
1203421	556201	6989000	9.3	0.1	44.2	22.9	0.02	1.5	21.9	27.3	0.8	69
1203422	556151	6989000	6.7	0.2	11.7	27.6	0.04	1.3	24.7	23	0.6	64
1203423	556101	6989000	3.7	0.4	33.5	20.1	0.03	1.2	24.8	82.5	2.8	119
1203424	556051	6989001	5.6	0.3	8.5	18	0.06	1.4	17.4	17.7	0.4	54
1203425	556000	6989000	6.4	-0.1	9	14.9	0.03	2.8	10.6	15.7	0.5	41
1203426	555949	6989001	0	0	0	0	0	0	0	0	0	0
1203427	555900	6989000	27.7	1.8	21.1	58	0.1	1.3	21.7	73.8	0.8	77
1203428	555851	6989000	12.2	0.8	25.9	46.3	0.07	0.9	16.1	33.7	0.6	43
1203429	555800	6989000	10.6	0.1	12.3	18.2	0.04	1.2	22.3	20.4	0.6	52
1203430	555749	6989000	2.8	0.1	10.9	16.8	0.02	1.5	21.9	13.8	0.3	56
1203431	555700	6989000	7.1	0.1	26.8	25.2	0.04	1.4	22.8	17.4	0.6	65
1203432	555700	6989000	7	0.2	23.8	23.2	0.03	1.3	21.9	16	0.6	63
1203433	555649	6989000	2.4	-0.1	47.2	19.6	0.02	0.9	17.3	9.4	1.4	46

15.0 APPENDIX 3 – Lab certificates for soil analyses

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Kaminak Gold Corporation**
1020 - 800 West Pender Street
Vancouver BC V6C 2V6 Canada

Submitted By: Tim Smith
Receiving Lab: Canada-Dawson City
Received: August 20, 2011
Report Date: September 26, 2011
Page: 1 of 7

CERTIFICATE OF ANALYSIS DAW11000266.1

CLIENT JOB INFORMATION

Project: APO
Shipment ID: 2011-APO01
P.O. Number
Number of Samples: 165

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	165	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	165	Dry at 60C			WHI
1DX2	162	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Kaminak Gold Corporation
1020 - 800 West Pender Street
Vancouver BC V6C 2V6
Canada

CC: Tim Smith

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Kaminak Gold Corporation**
1020 - 800 West Pender Street
Vancouver BC V6C 2V6 Canada

Project: APO
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS DAW11000266.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1072922	Soil	1.1	27.7	25.5	38	0.1	16.7	2.9	124	2.16	26.0	1.2	3.3	6.8	32	0.2	2.8	1.5	21	0.13	0.028
1072923	Soil	1.2	38.4	30.3	89	<0.1	56.6	20.0	538	3.40	21.6	1.0	5.8	4.8	42	0.1	2.1	0.6	96	0.53	0.082
1072921	Soil	1.1	29.1	26.9	38	0.1	15.7	2.5	125	2.20	25.3	1.2	2.2	6.7	34	0.2	3.0	1.6	20	0.12	0.029
1072925	Soil	3.8	62.8	35.1	125	0.3	36.5	9.2	433	4.44	64.6	1.8	7.7	8.3	61	0.3	3.2	0.6	56	0.22	0.057
1072924	Soil	0.9	36.1	12.9	59	<0.1	32.1	12.8	434	3.38	14.3	1.2	5.6	3.9	29	0.1	0.5	0.2	88	0.34	0.046
1054898	Soil	1.0	29.6	19.6	59	<0.1	28.1	10.8	411	3.05	30.4	1.1	3.3	2.9	26	<0.1	3.2	1.1	68	0.32	0.047
1093689	Soil	0.9	36.6	14.1	59	<0.1	37.6	11.8	387	3.02	11.6	1.0	8.6	3.9	35	<0.1	0.6	0.2	82	0.43	0.052
1093690	Soil	1.6	30.7	17.8	69	<0.1	37.7	12.5	407	3.37	11.5	1.2	12.0	3.9	29	0.1	0.5	0.2	90	0.33	0.060
1093691	Soil	1.5	38.8	20.7	72	<0.1	47.3	12.8	478	3.20	16.0	1.5	10.5	4.9	37	<0.1	0.7	0.3	88	0.45	0.050
1093692	Soil	1.9	28.0	27.6	80	0.1	50.2	23.0	461	3.86	18.2	0.6	4.8	3.1	27	0.5	0.6	0.4	92	0.28	0.063
1093693	Soil	1.7	37.7	21.7	71	<0.1	74.5	16.7	410	3.44	12.3	1.1	7.6	4.5	43	<0.1	0.7	0.4	95	0.48	0.070
1072910	Soil	1.7	29.4	31.9	81	0.3	25.4	12.1	538	2.63	19.9	2.2	2.6	2.2	36	0.3	1.3	0.4	56	0.44	0.050
1072911	Soil	1.6	19.9	17.2	71	0.1	20.2	7.0	299	2.62	20.7	1.0	3.1	3.6	28	0.2	1.8	0.2	45	0.35	0.039
1072912	Soil	1.9	31.7	20.4	75	0.1	28.6	11.0	455	3.21	24.1	1.5	5.3	3.4	31	0.2	1.6	0.3	65	0.34	0.058
1072913	Soil	1.7	27.0	32.9	88	0.2	35.2	9.5	382	2.97	20.8	1.5	2.8	4.3	36	0.3	1.3	0.4	66	0.45	0.079
1072914	Soil	1.6	23.8	19.3	65	0.1	32.9	10.8	364	3.40	48.3	1.9	3.9	4.3	33	0.1	1.5	0.6	78	0.42	0.056
1072915	Soil	1.4	27.9	22.2	69	0.2	42.2	12.7	439	3.30	18.4	1.8	2.8	4.6	40	0.1	0.8	0.3	98	0.59	0.092
1072916	Soil	1.8	30.1	37.2	87	0.1	36.4	10.4	449	3.35	13.4	1.3	7.1	6.0	39	0.2	1.4	0.5	73	0.48	0.071
1072917	Soil	1.5	26.2	52.3	134	0.2	34.7	10.2	417	3.00	11.4	1.0	4.7	3.7	34	0.4	1.1	0.4	71	0.45	0.059
1072918	Soil	0.9	25.3	27.2	75	<0.1	39.4	12.1	377	3.09	9.8	0.7	6.7	3.6	36	0.1	0.6	0.3	80	0.43	0.053
1072919	Soil	1.2	29.8	26.1	71	<0.1	46.1	14.8	392	3.46	16.2	0.9	6.7	4.3	36	0.1	0.8	0.5	89	0.39	0.059
1072920	Soil	1.8	31.8	24.8	71	0.1	47.4	15.6	488	3.54	24.4	1.0	7.3	3.6	30	0.1	1.1	0.5	89	0.33	0.045
1093700	Soil	1.4	27.4	17.4	69	0.1	41.5	14.2	382	3.24	9.9	1.3	3.5	4.4	34	0.1	0.4	0.2	92	0.40	0.043
1093696	Soil	1.6	44.7	46.6	78	0.3	56.9	13.1	307	3.22	11.6	1.2	7.7	2.8	35	0.3	0.5	0.3	96	0.47	0.051
1093695	Soil	1.1	40.0	30.8	64	0.2	41.9	13.9	316	3.10	10.0	0.8	5.9	1.5	34	0.3	0.4	0.2	82	0.40	0.060
1054891	Soil	2.1	39.0	217.0	452	0.5	64.9	15.1	953	4.11	30.4	1.5	5.8	7.4	43	1.5	1.7	1.7	82	0.70	0.074
1093694	Soil	1.2	37.6	35.6	77	0.1	54.9	17.2	475	3.41	13.6	1.1	8.3	3.9	51	0.2	0.8	0.4	98	0.53	0.056
1054892	Soil	1.9	24.7	63.6	98	0.3	26.1	8.1	396	2.69	14.7	1.6	6.3	3.2	30	0.3	0.8	0.7	60	0.38	0.043
1054890	Soil	2.2	35.5	32.7	86	0.4	32.9	18.1	913	3.34	8.6	1.8	5.3	2.8	45	0.2	0.5	0.4	82	0.57	0.049
1054889	Soil	1.3	25.4	21.7	75	0.2	30.2	11.4	430	2.85	7.4	1.1	2.4	2.8	31	0.3	0.4	0.3	79	0.43	0.047

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Project: APO
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CERTIFICATE OF ANALYSIS DAW11000266.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1072922	Soil	22	18	0.25	180	0.013	<1	0.63	0.038	0.16	<0.1	0.01	2.5	0.2	0.40	2	<0.5	0.5
1072923	Soil	21	148	1.29	284	0.157	1	2.03	0.024	0.10	0.2	0.01	6.1	0.2	0.06	6	<0.5	<0.2
1072921	Soil	23	15	0.23	174	0.013	<1	0.62	0.040	0.17	<0.1	<0.01	2.6	0.2	0.38	2	<0.5	0.5
1072925	Soil	42	50	1.28	195	0.022	1	2.11	0.014	0.11	0.2	0.01	3.7	0.2	0.22	6	0.7	0.2
1072924	Soil	14	49	0.76	218	0.120	2	2.69	0.021	0.06	0.2	0.03	5.5	0.1	<0.05	7	0.5	<0.2
1054898	Soil	12	42	0.74	189	0.075	1	2.14	0.016	0.05	0.1	0.02	4.5	0.1	<0.05	6	<0.5	0.4
1093689	Soil	16	51	0.77	253	0.108	1	2.10	0.021	0.06	0.2	0.04	5.7	0.1	<0.05	6	<0.5	<0.2
1093690	Soil	15	58	0.79	213	0.126	<1	2.48	0.018	0.06	0.2	0.03	5.2	0.2	<0.05	7	<0.5	<0.2
1093691	Soil	22	65	0.89	237	0.139	2	2.03	0.021	0.06	0.2	0.02	5.8	0.1	<0.05	6	<0.5	<0.2
1093692	Soil	8	75	0.82	149	0.140	1	3.42	0.018	0.05	0.2	0.02	4.3	0.1	<0.05	7	<0.5	<0.2
1093693	Soil	16	96	1.22	213	0.196	1	1.90	0.021	0.13	0.3	0.02	3.8	0.3	<0.05	6	<0.5	<0.2
1072910	Soil	25	36	0.46	272	0.046	<1	1.70	0.017	0.08	<0.1	0.04	4.3	0.3	0.05	5	<0.5	<0.2
1072911	Soil	18	24	0.38	186	0.042	<1	1.25	0.017	0.08	<0.1	0.02	3.0	0.2	<0.05	3	<0.5	<0.2
1072912	Soil	19	38	0.51	236	0.051	<1	1.73	0.016	0.06	0.1	0.03	4.1	0.3	<0.05	5	<0.5	<0.2
1072913	Soil	18	52	0.60	177	0.092	<1	1.40	0.019	0.07	0.2	0.03	3.7	0.1	<0.05	4	<0.5	<0.2
1072914	Soil	17	65	0.81	211	0.075	<1	1.70	0.022	0.06	0.1	0.02	5.8	0.1	<0.05	5	<0.5	0.5
1072915	Soil	18	118	1.05	244	0.132	2	1.97	0.022	0.07	0.2	0.03	5.1	0.2	<0.05	6	<0.5	<0.2
1072916	Soil	18	80	0.75	214	0.116	1	1.66	0.027	0.08	0.2	0.02	4.6	0.3	0.06	5	<0.5	<0.2
1072917	Soil	18	64	0.63	195	0.114	<1	1.60	0.019	0.06	0.2	0.02	4.2	0.2	<0.05	4	<0.5	<0.2
1072918	Soil	13	74	0.77	228	0.135	<1	1.81	0.022	0.05	0.2	0.01	3.7	0.2	<0.05	5	<0.5	<0.2
1072919	Soil	13	89	0.94	225	0.135	<1	2.28	0.020	0.07	0.2	0.02	4.7	0.2	<0.05	6	<0.5	<0.2
1072920	Soil	13	78	0.87	277	0.103	<1	2.48	0.017	0.06	0.1	0.03	4.6	0.2	<0.05	7	<0.5	<0.2
1093700	Soil	11	66	0.86	245	0.139	1	2.38	0.018	0.06	0.2	0.02	4.1	0.2	<0.05	7	<0.5	<0.2
1093696	Soil	13	114	0.99	216	0.161	1	2.42	0.021	0.08	0.2	0.02	4.3	0.5	<0.05	8	<0.5	<0.2
1093695	Soil	13	66	0.75	254	0.115	2	2.41	0.020	0.06	0.1	0.03	3.8	0.2	<0.05	7	<0.5	<0.2
1054891	Soil	21	140	1.35	294	0.063	<1	2.41	0.016	0.12	0.2	0.04	7.0	0.2	<0.05	8	0.5	0.3
1093694	Soil	15	113	1.08	268	0.175	1	2.05	0.032	0.07	0.2	0.02	5.8	0.3	<0.05	6	<0.5	<0.2
1054892	Soil	15	36	0.51	311	0.070	<1	1.59	0.018	0.06	0.1	0.04	4.5	0.2	<0.05	4	<0.5	<0.2
1054890	Soil	16	49	0.67	301	0.091	1	2.58	0.021	0.06	0.1	0.05	6.2	0.2	<0.05	7	<0.5	<0.2
1054889	Soil	15	42	0.69	221	0.111	<1	1.86	0.024	0.05	0.2	0.03	4.1	0.1	<0.05	5	<0.5	<0.2

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CERTIFICATE OF ANALYSIS DAW11000266.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1093699	Soil	1.2	28.8	22.6	74	<0.1	43.6	12.5	378	3.05	8.2	1.5	3.9	4.5	44	0.2	0.5	0.2	88	0.47	0.054
1093698	Soil	1.5	27.0	20.1	67	0.1	32.5	13.2	346	3.49	9.5	0.9	5.8	4.3	27	0.2	0.4	0.2	100	0.32	0.049
1093697	Soil	1.6	39.9	34.3	77	0.1	49.2	15.4	388	3.47	11.0	1.2	7.3	4.1	32	0.1	0.5	0.3	99	0.39	0.046
1167488	Soil	1.5	21.9	42.6	65	0.2	24.5	12.8	306	3.28	14.1	0.5	4.5	2.4	24	0.4	0.5	0.4	87	0.20	0.043
1167484	Soil	2.4	33.6	32.9	62	0.1	27.9	12.1	422	3.47	12.4	1.6	6.7	3.3	25	0.1	0.5	0.7	78	0.34	0.054
1167486	Soil	1.3	22.6	14.7	47	<0.1	25.8	11.7	331	3.20	8.3	0.8	2.7	1.4	21	0.2	0.5	0.4	74	0.30	0.062
1167485	Soil	1.3	22.3	14.9	47	<0.1	25.2	11.5	308	3.12	8.3	0.7	5.0	1.3	19	0.2	0.4	0.5	68	0.26	0.059
1167480	Soil	2.1	17.1	11.8	27	<0.1	6.2	2.7	122	1.42	3.7	0.3	2.4	0.7	15	<0.1	0.4	0.2	68	0.11	0.020
1167482	Soil	0.7	14.1	7.5	20	<0.1	13.8	3.5	97	1.09	2.6	0.4	2.9	0.3	10	0.1	0.1	0.1	35	0.10	0.041
1167483	Soil	2.3	43.1	75.0	138	<0.1	38.8	20.8	810	5.28	27.5	1.7	13.8	4.7	27	0.5	1.5	2.3	73	0.27	0.058
1167481	Soil	1.4	86.0	13.4	22	0.4	7.4	2.8	74	1.36	2.5	1.3	5.6	1.1	15	0.2	0.2	0.1	29	0.13	0.035
1167487	Soil	1.9	21.7	25.2	50	<0.1	24.8	12.7	265	3.61	28.4	0.7	2.9	3.4	19	0.1	0.5	0.5	74	0.22	0.037
1072831	Soil	1.8	26.0	15.7	56	0.2	38.2	13.1	255	3.56	11.1	0.7	6.9	2.5	18	0.1	0.6	0.2	100	0.16	0.028
1072826	Soil	1.6	36.1	22.0	56	0.5	31.7	9.2	285	2.61	9.5	1.5	9.0	2.3	24	0.2	0.4	0.3	63	0.23	0.053
1072830	Soil	1.3	19.7	13.3	59	0.1	26.6	12.2	317	3.37	10.7	0.6	2.7	2.5	18	0.3	0.5	0.2	82	0.17	0.034
1072828	Soil	0.7	26.1	13.5	55	0.1	24.3	8.6	203	2.54	6.5	0.9	4.9	3.8	26	<0.1	0.4	0.2	67	0.35	0.053
1072832	Soil	0.9	25.6	15.9	62	0.1	66.3	19.8	324	3.23	9.6	0.7	4.6	3.2	39	0.3	0.6	0.2	84	0.25	0.036
1072829	Soil	1.5	35.9	23.3	78	0.1	26.3	11.9	395	3.00	8.1	1.6	12.0	4.1	101	0.2	0.5	0.3	84	0.48	0.070
1072824	Soil	1.1	26.2	15.3	39	0.2	19.0	5.8	184	2.07	8.2	1.1	5.4	0.2	18	0.2	0.4	0.4	47	0.18	0.052
1072822	Soil	2.3	25.0	24.0	58	0.1	26.3	9.5	305	3.44	32.7	1.3	5.0	3.9	43	<0.1	0.8	1.0	68	0.28	0.054
1072825	Soil	1.6	30.3	20.7	61	0.2	29.1	12.1	321	3.18	14.4	1.1	5.7	1.6	33	0.3	0.7	0.5	81	0.29	0.055
1072827	Soil	1.7	30.2	16.1	77	0.2	27.0	8.4	347	2.82	8.2	1.3	14.5	8.0	33	0.2	0.4	0.2	72	0.46	0.066
1072821	Soil	2.1	26.8	20.2	70	0.3	26.1	13.6	414	3.84	18.6	1.2	7.6	3.6	34	0.1	0.6	0.4	87	0.29	0.044
1072823	Soil	1.3	20.1	22.5	61	0.1	21.5	9.9	291	3.05	25.5	0.7	3.3	1.9	24	0.2	0.7	0.6	70	0.22	0.047
1072842	Soil	1.0	21.3	11.6	51	0.2	24.6	11.3	314	3.17	8.2	0.5	2.7	2.8	29	0.2	0.4	0.1	87	0.21	0.045
1072837	Soil	1.1	25.8	15.7	55	<0.1	49.8	15.3	507	2.69	7.5	0.7	5.9	1.8	41	0.1	0.4	0.2	89	0.44	0.067
1072838	Soil	0.9	33.3	14.4	60	0.1	61.0	14.4	342	2.57	5.5	1.0	6.9	2.4	39	0.2	0.4	0.2	82	0.42	0.080
1072844	Soil	1.2	19.9	13.2	38	0.2	13.2	7.9	217	2.01	5.2	1.1	4.2	0.7	28	<0.1	0.3	0.1	51	0.19	0.043
1072836	Soil	0.8	20.9	17.3	43	0.2	43.7	6.7	142	1.74	4.4	0.7	5.7	0.5	28	0.2	0.3	0.2	39	0.34	0.077
1072843	Soil	1.1	18.4	12.6	49	<0.1	17.3	8.0	230	2.75	7.2	0.4	3.8	2.2	52	0.1	0.3	0.2	84	0.27	0.035

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1093699	Soil	15	72	0.87	202	0.153	<1	1.84	0.025	0.06	0.2	0.01	4.5	0.1	<0.05	6	<0.5	<0.2
1093698	Soil	12	51	0.74	186	0.147	1	2.44	0.017	0.06	0.3	0.02	4.0	0.2	<0.05	7	<0.5	<0.2
1093697	Soil	12	77	0.92	229	0.151	<1	2.43	0.020	0.07	0.3	0.02	4.1	0.2	<0.05	7	<0.5	<0.2
1167488	Soil	8	35	0.56	184	0.109	2	3.43	0.014	0.06	0.1	0.04	3.5	0.1	<0.05	8	<0.5	<0.2
1167484	Soil	18	40	0.58	284	0.066	<1	2.06	0.013	0.07	0.1	0.03	5.1	0.2	<0.05	6	<0.5	<0.2
1167486	Soil	11	34	0.56	255	0.059	<1	2.09	0.012	0.06	0.1	0.03	3.6	0.1	<0.05	6	0.6	<0.2
1167485	Soil	10	33	0.52	260	0.043	2	1.93	0.010	0.05	0.1	0.02	2.9	0.1	<0.05	5	0.5	<0.2
1167480	Soil	4	14	0.10	62	0.074	2	0.67	0.011	0.02	<0.1	0.02	1.0	<0.1	<0.05	7	<0.5	<0.2
1167482	Soil	8	23	0.23	54	0.049	2	0.79	0.016	0.03	<0.1	0.02	1.2	0.1	<0.05	4	<0.5	<0.2
1167483	Soil	18	45	0.56	254	0.073	2	2.29	0.017	0.06	0.1	0.02	5.5	0.3	<0.05	6	1.0	<0.2
1167481	Soil	25	14	0.15	94	0.043	1	0.99	0.014	0.03	0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1167487	Soil	11	35	0.58	270	0.059	1	2.45	0.011	0.06	0.1	0.03	3.7	<0.1	<0.05	6	0.7	<0.2
1072831	Soil	8	70	0.59	118	0.117	2	2.60	0.013	0.05	0.2	0.02	3.5	0.3	<0.05	8	0.7	<0.2
1072826	Soil	19	39	0.45	184	0.073	2	2.17	0.017	0.05	0.2	0.06	4.7	0.1	<0.05	6	0.7	<0.2
1072830	Soil	8	39	0.51	149	0.088	2	2.76	0.013	0.05	0.2	0.03	3.2	<0.1	<0.05	7	<0.5	<0.2
1072828	Soil	12	36	0.62	148	0.111	2	2.03	0.015	0.05	0.2	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
1072832	Soil	7	86	0.91	114	0.160	2	2.99	0.017	0.06	0.3	0.01	3.2	0.2	<0.05	6	<0.5	<0.2
1072829	Soil	16	44	0.71	146	0.141	2	1.91	0.026	0.06	0.2	0.03	4.9	0.1	<0.05	5	<0.5	<0.2
1072824	Soil	12	28	0.31	165	0.042	2	1.60	0.021	0.04	0.1	0.03	2.3	0.1	<0.05	5	0.7	<0.2
1072822	Soil	18	35	0.57	308	0.059	<1	1.83	0.018	0.06	0.1	0.02	4.1	0.1	<0.05	5	0.5	<0.2
1072825	Soil	11	45	0.63	127	0.092	2	1.94	0.014	0.05	0.2	0.02	3.5	0.2	<0.05	7	<0.5	<0.2
1072827	Soil	38	49	0.76	203	0.120	2	1.74	0.017	0.10	0.2	0.01	4.6	0.2	<0.05	6	<0.5	<0.2
1072821	Soil	11	39	0.67	211	0.110	2	2.97	0.016	0.05	0.1	0.03	4.7	0.1	<0.05	8	<0.5	<0.2
1072823	Soil	10	32	0.50	156	0.071	2	1.91	0.018	0.06	<0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
1072842	Soil	7	36	0.56	119	0.123	2	2.89	0.014	0.04	0.2	0.04	3.3	0.1	<0.05	6	<0.5	<0.2
1072837	Soil	8	79	0.95	148	0.114	2	2.00	0.018	0.06	0.2	0.02	3.5	0.2	<0.05	7	<0.5	<0.2
1072838	Soil	12	89	1.02	165	0.124	2	2.20	0.019	0.08	0.2	0.03	4.4	0.3	<0.05	7	<0.5	<0.2
1072844	Soil	11	21	0.30	127	0.051	1	1.57	0.022	0.03	<0.1	0.03	2.6	0.1	<0.05	5	<0.5	<0.2
1072836	Soil	7	83	0.62	99	0.093	3	1.38	0.016	0.06	0.2	0.04	2.5	0.4	<0.05	5	<0.5	<0.2
1072843	Soil	7	28	0.46	102	0.148	2	1.67	0.018	0.04	0.2	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2

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Project: APO
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS DAW11000266.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1072840	Soil	1.3	34.1	13.0	67	0.1	47.9	12.9	319	2.75	7.9	1.3	7.2	3.0	56	0.1	0.3	0.2	88	0.45	0.108
1072841	Soil	1.2	19.5	15.0	37	<0.1	18.5	6.5	208	2.24	6.3	0.9	3.4	2.1	26	0.2	0.3	0.1	68	0.19	0.050
1072839	Soil	0.9	14.7	11.4	41	0.1	21.7	5.1	140	1.63	3.3	0.6	3.4	1.1	35	0.1	0.2	0.2	49	0.26	0.038
1072835	Soil	0.7	26.3	23.7	41	0.3	45.7	7.6	189	1.83	4.4	0.8	5.8	0.7	27	0.2	0.3	0.1	43	0.32	0.068
1072833	Soil	1.0	27.1	22.3	73	0.2	58.5	14.6	251	2.36	5.8	1.1	15.9	2.8	43	0.3	0.5	0.2	71	0.51	0.081
1072834	Soil	0.8	26.5	17.8	52	0.2	57.0	9.9	254	2.10	4.8	0.9	7.6	1.8	34	0.3	0.4	0.1	65	0.46	0.080
1072801	Soil	1.1	28.2	11.2	63	0.3	23.0	12.3	342	3.03	50.8	1.9	4.4	3.3	30	0.3	0.8	0.9	71	0.48	0.055
1072802	Soil	0.7	24.2	9.2	52	0.1	21.0	12.5	253	2.84	11.5	1.1	6.9	3.9	26	0.1	0.7	0.2	72	0.45	0.050
1072804	Soil	1.1	28.6	9.0	61	0.1	26.4	12.5	401	3.08	10.3	0.8	3.3	2.3	23	0.2	0.6	0.2	69	0.31	0.056
1072803	Soil	1.0	33.8	12.3	64	0.2	26.5	14.9	524	3.17	9.9	1.7	5.3	3.8	27	0.2	0.9	0.3	73	0.45	0.069
1072806	Soil	2.5	48.1	13.7	114	0.5	38.4	13.9	396	3.53	30.3	1.5	10.2	3.1	24	0.7	0.8	0.3	78	0.32	0.075
1072805	Soil	1.5	22.3	6.3	43	0.2	17.2	6.2	214	1.75	9.6	0.6	3.5	0.2	17	0.3	0.5	0.2	43	0.18	0.047
1072808	Soil	1.5	23.2	16.6	86	0.5	23.8	11.0	277	2.82	10.6	0.9	9.8	2.4	21	0.2	0.6	0.4	63	0.28	0.067
1072807	Soil	1.6	27.4	17.6	46	0.6	15.0	15.8	832	3.08	13.6	1.5	7.4	1.6	13	0.1	0.6	0.2	51	0.17	0.068
1072810	Soil	2.1	15.4	17.6	69	0.2	16.3	5.4	176	2.16	6.8	1.1	9.9	2.9	23	0.2	0.4	0.3	60	0.26	0.057
1072809	Soil	1.8	23.5	19.7	80	0.4	20.1	7.3	167	2.46	9.4	1.3	39.7	2.8	24	0.2	0.6	0.8	72	0.28	0.058
1072811	Soil	0.8	12.0	18.4	54	0.2	14.8	5.5	145	1.78	6.6	0.7	6.3	1.2	18	0.3	0.4	0.3	44	0.24	0.047
1072819	Soil	0.6	24.9	14.4	58	0.2	22.6	8.0	162	2.49	11.5	1.1	9.7	2.8	23	0.1	0.5	0.3	61	0.28	0.066
1072815	Soil	0.8	16.3	10.2	52	<0.1	19.4	7.2	158	2.86	14.0	0.7	3.4	2.0	20	<0.1	0.4	0.2	70	0.27	0.054
1072813	Soil	0.9	10.2	6.3	26	0.1	9.6	3.4	87	1.90	8.9	0.7	1.5	0.3	18	<0.1	0.2	<0.1	32	0.20	0.072
1090749	Soil	2.1	24.5	26.3	66	0.4	18.6	7.2	232	2.03	6.7	3.8	15.4	2.0	49	0.2	0.3	0.2	47	0.51	0.071
1090750	Soil	4.2	17.3	17.8	52	0.4	12.9	5.5	209	2.77	13.6	1.5	9.1	1.6	23	<0.1	0.4	0.4	56	0.23	0.071
1072820	Soil	1.1	28.5	15.1	62	0.2	23.6	11.4	247	3.13	21.7	1.2	3.3	4.1	23	0.1	0.6	0.3	74	0.32	0.070
1090748	Soil	0.5	22.6	45.1	73	0.2	21.7	6.8	172	2.90	14.2	0.9	5.9	3.6	23	0.5	0.8	0.3	75	0.34	0.053
1090747	Soil	2.0	26.6	17.7	74	0.3	25.6	10.9	279	3.07	34.1	1.5	7.6	3.2	28	0.2	0.7	0.3	78	0.34	0.088
1072816	Soil	1.1	26.7	11.9	64	0.2	21.6	9.0	155	3.24	23.8	1.1	3.2	2.3	20	<0.1	0.5	0.2	73	0.26	0.066
1072905	Soil	0.8	17.7	8.9	24	0.1	9.6	6.3	264	1.69	4.5	0.9	2.4	0.9	19	<0.1	0.2	<0.1	39	0.22	0.028
1054900	Soil	1.0	22.9	35.1	67	0.3	19.7	11.2	322	2.88	12.1	1.1	5.8	2.6	20	0.3	0.5	0.5	62	0.29	0.064
1090746	Soil	0.8	16.8	13.7	60	0.1	22.7	8.0	187	2.44	7.3	0.8	2.6	2.3	25	<0.1	0.4	0.3	55	0.32	0.064
1072817	Soil	0.8	18.0	10.8	47	0.2	17.6	6.3	137	2.39	10.5	0.8	4.0	1.0	23	<0.1	0.3	0.1	48	0.24	0.059

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1072840	Soil	11	105	0.98	135	0.178	2	2.34	0.028	0.13	0.3	0.03	4.2	0.2	<0.05	6	0.6	<0.2
1072841	Soil	9	37	0.40	97	0.101	2	1.59	0.016	0.06	0.2	0.04	2.7	0.1	<0.05	6	<0.5	<0.2
1072839	Soil	7	45	0.51	72	0.104	2	1.23	0.016	0.06	0.2	0.03	2.1	0.1	<0.05	6	<0.5	<0.2
1072835	Soil	8	85	0.74	105	0.082	2	1.48	0.017	0.07	<0.1	0.04	2.9	0.3	<0.05	5	<0.5	<0.2
1072833	Soil	12	78	0.79	139	0.136	4	1.88	0.026	0.10	0.3	0.04	4.0	0.3	<0.05	6	<0.5	<0.2
1072834	Soil	11	89	0.85	132	0.132	2	1.68	0.021	0.08	0.2	0.03	3.7	0.2	<0.05	5	0.7	<0.2
1072801	Soil	19	40	0.61	239	0.061	2	2.37	0.016	0.06	<0.1	0.05	7.0	0.1	<0.05	7	0.7	<0.2
1072802	Soil	17	36	0.62	209	0.077	1	1.93	0.016	0.05	<0.1	0.04	6.1	<0.1	<0.05	6	0.5	<0.2
1072804	Soil	13	35	0.57	159	0.081	3	2.04	0.014	0.05	0.1	0.03	3.7	<0.1	<0.05	6	0.5	<0.2
1072803	Soil	21	40	0.73	271	0.058	2	2.21	0.015	0.06	0.1	0.05	7.3	0.1	<0.05	6	0.6	<0.2
1072806	Soil	16	41	0.66	234	0.076	2	2.18	0.013	0.07	0.1	0.04	4.5	0.1	<0.05	6	0.9	<0.2
1072805	Soil	8	22	0.26	99	0.040	1	0.88	0.015	0.04	<0.1	0.02	1.3	<0.1	0.05	3	<0.5	<0.2
1072808	Soil	11	35	0.62	180	0.061	1	1.78	0.012	0.05	0.1	0.05	3.1	0.2	0.05	6	0.8	<0.2
1072807	Soil	9	24	0.35	115	0.043	<1	1.31	0.014	0.03	0.1	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
1072810	Soil	11	29	0.52	137	0.057	<1	1.62	0.009	0.04	0.2	0.03	2.6	0.2	<0.05	6	<0.5	<0.2
1072809	Soil	11	30	0.61	194	0.059	<1	1.93	0.010	0.05	0.2	0.05	3.5	0.2	<0.05	7	0.8	<0.2
1072811	Soil	8	29	0.46	105	0.059	<1	1.53	0.010	0.04	0.1	0.05	2.4	0.1	<0.05	6	<0.5	<0.2
1072819	Soil	12	33	0.57	166	0.082	<1	1.88	0.013	0.04	0.2	0.03	3.3	0.1	<0.05	5	<0.5	<0.2
1072815	Soil	9	30	0.53	129	0.068	<1	1.73	0.011	0.04	0.1	0.04	2.7	<0.1	<0.05	5	<0.5	<0.2
1072813	Soil	6	21	0.24	91	0.030	<1	0.95	0.010	0.02	0.1	0.05	1.4	<0.1	0.06	3	1.2	<0.2
1090749	Soil	16	31	0.50	175	0.045	<1	1.83	0.017	0.04	0.2	0.06	3.3	0.1	0.07	6	0.5	<0.2
1090750	Soil	10	24	0.41	150	0.025	<1	1.42	0.011	0.03	0.1	0.04	2.5	0.2	<0.05	5	<0.5	<0.2
1072820	Soil	13	41	0.67	171	0.095	<1	1.96	0.015	0.05	0.2	0.04	3.9	0.1	<0.05	6	0.6	<0.2
1090748	Soil	13	39	0.57	147	0.086	<1	1.89	0.015	0.05	0.2	0.04	4.1	0.1	<0.05	6	<0.5	<0.2
1090747	Soil	13	47	0.66	182	0.088	<1	1.88	0.014	0.06	0.2	0.04	3.9	0.2	<0.05	6	1.5	<0.2
1072816	Soil	13	34	0.58	172	0.065	<1	2.09	0.011	0.05	0.1	0.06	3.8	0.1	<0.05	6	0.7	<0.2
1072905	Soil	15	16	0.19	134	0.048	<1	1.20	0.014	0.03	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
1054900	Soil	12	32	0.58	151	0.048	<1	1.69	0.011	0.05	0.1	0.05	3.5	0.1	<0.05	6	<0.5	<0.2
1090746	Soil	11	37	0.62	152	0.104	<1	1.88	0.014	0.05	0.1	0.04	3.3	0.2	<0.05	7	<0.5	<0.2
1072817	Soil	9	28	0.45	138	0.056	<1	1.53	0.012	0.04	<0.1	0.04	2.6	<0.1	<0.05	5	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1072812	Soil	1.0	11.7	10.2	50	0.1	15.9	5.9	169	2.41	13.0	0.6	6.9	1.4	22	<0.1	0.3	0.1	61	0.26	0.050
1054899	Soil	0.9	36.8	19.7	55	0.6	17.1	4.8	117	2.49	18.9	1.9	21.3	1.3	22	0.3	0.6	0.3	47	0.25	0.075
1072901	Soil	0.9	20.0	13.8	67	0.2	20.9	14.1	487	3.27	13.8	0.7	3.6	2.7	27	0.2	0.8	0.5	65	0.35	0.048
1072697	Soil	1.2	20.4	16.2	33	0.1	10.8	5.2	197	1.77	9.6	1.0	2.9	0.4	16	0.2	0.4	0.2	39	0.15	0.042
1072909	Soil	0.8	15.6	45.7	36	0.4	12.9	5.6	181	1.80	9.2	1.0	5.6	0.5	26	0.1	0.5	0.2	33	0.28	0.062
1072903	Soil	0.9	28.4	13.4	66	0.3	26.2	13.5	469	3.65	11.1	1.2	2.6	4.0	29	0.1	0.8	0.6	71	0.35	0.029
1203433	Soil	0.9	19.6	9.4	46	<0.1	17.3	9.9	306	3.62	47.2	0.5	2.4	2.6	19	<0.1	1.4	0.2	76	0.23	0.032
1203427	Soil	1.3	58.0	73.8	77	1.8	21.7	14.3	570	3.05	21.1	4.0	27.7	2.0	40	0.5	0.8	2.0	43	0.36	0.101
1203428	Soil	0.9	46.3	33.7	43	0.8	16.1	4.2	72	3.75	25.9	2.8	12.2	1.4	21	0.2	0.6	0.6	38	0.19	0.092
1203429	Soil	1.2	18.2	20.4	52	0.1	22.3	12.9	399	3.89	12.3	0.6	10.6	4.2	21	0.1	0.6	0.3	65	0.24	0.038
1203426	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1203425	Soil	2.8	14.9	15.7	41	<0.1	10.6	4.8	174	2.92	9.0	0.4	6.4	1.8	16	<0.1	0.5	0.2	75	0.15	0.029
1203432	Soil	1.3	23.2	16.0	63	0.2	21.9	10.8	363	4.08	23.8	2.0	7.0	6.3	22	<0.1	0.6	0.5	64	0.23	0.036
1203430	Soil	1.5	16.8	13.8	56	0.1	21.9	8.4	346	3.57	10.9	1.3	2.8	4.9	80	<0.1	0.3	0.5	64	0.37	0.057
1203431	Soil	1.4	25.2	17.4	65	0.1	22.8	12.7	417	4.53	26.8	2.0	7.1	6.2	23	<0.1	0.6	0.5	65	0.26	0.039
1203410	Soil	0.8	12.0	4.2	22	<0.1	6.9	2.7	68	1.15	2.4	0.3	1.9	0.2	14	<0.1	0.2	<0.1	28	0.10	0.023
1203412	Soil	1.0	23.4	12.9	50	<0.1	43.2	13.0	456	2.66	7.5	0.6	3.7	1.5	39	<0.1	0.4	0.7	56	0.27	0.045
1203411	Soil	0.4	7.4	2.8	12	<0.1	7.5	2.4	52	0.86	2.0	0.3	<0.5	0.1	9	<0.1	<0.1	<0.1	16	0.08	0.026
1203409	Soil	1.7	38.3	135.8	157	0.8	43.8	16.1	501	3.93	37.8	1.2	12.8	3.4	99	1.1	1.9	1.2	77	0.34	0.067
1203408	Soil	3.6	71.0	48.5	98	0.6	27.4	14.4	500	3.38	21.7	2.0	16.2	4.1	35	0.4	0.8	0.5	76	0.46	0.063
1203406	Soil	2.0	37.8	55.0	70	0.3	26.6	11.3	305	3.89	28.5	0.8	3.7	4.5	23	0.3	1.0	0.7	67	0.17	0.039
1203407	Soil	1.1	37.6	19.6	62	<0.1	27.5	13.6	430	3.28	9.6	0.9	7.2	3.8	22	0.2	0.4	0.2	78	0.26	0.034
1203402	Soil	1.2	13.1	16.7	41	<0.1	13.7	7.7	296	3.15	27.1	0.6	3.7	4.6	26	<0.1	0.9	2.2	40	0.19	0.030
1203404	Soil	1.8	191.0	21.3	132	0.6	49.3	14.5	355	5.78	41.6	2.0	4.3	8.6	40	0.1	1.6	2.0	33	0.08	0.053
1203405	Soil	2.2	59.9	90.4	66	0.2	21.0	15.2	513	3.21	27.6	0.6	6.3	4.4	24	0.4	1.3	0.9	41	0.13	0.045
1203403	Soil	0.9	41.5	9.8	20	0.2	9.3	3.4	148	2.79	53.3	0.8	4.6	6.1	31	<0.1	1.4	0.9	19	0.15	0.025
1203401	Soil	1.3	16.6	28.3	30	<0.1	11.1	4.7	177	2.69	31.0	0.5	5.0	3.1	24	<0.1	0.4	1.7	45	0.14	0.035
1203414	Soil	0.8	19.3	5.7	34	0.2	8.3	3.4	311	1.08	2.1	0.3	2.8	0.3	10	0.5	0.2	0.1	35	0.08	0.043
1203420	Soil	0.8	12.2	8.6	25	0.2	8.2	2.5	61	1.15	11.4	0.8	6.6	0.6	16	0.2	0.4	0.3	28	0.16	0.052
1203422	Soil	1.3	27.6	23.0	64	0.2	24.7	6.8	146	2.41	11.7	1.2	6.7	1.9	25	0.4	0.6	0.6	59	0.24	0.082

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1072812	Soil	9	29	0.49	118	0.066	<1	1.49	0.012	0.04	0.2	0.03	2.6	0.1	<0.05	5	<0.5	<0.2
1054899	Soil	14	30	0.39	157	0.030	<1	1.61	0.009	0.05	<0.1	0.06	4.1	0.2	<0.05	5	1.3	<0.2
1072901	Soil	12	41	0.99	184	0.096	<1	2.41	0.013	0.07	0.1	0.02	4.7	0.1	<0.05	6	<0.5	<0.2
1072697	Soil	11	22	0.29	107	0.034	<1	1.16	0.013	0.04	<0.1	0.04	1.7	0.1	<0.05	4	<0.5	<0.2
1072909	Soil	16	23	0.34	145	0.034	<1	1.23	0.018	0.04	<0.1	0.05	2.7	<0.1	<0.05	4	<0.5	<0.2
1072903	Soil	17	48	0.66	208	0.080	<1	2.97	0.014	0.05	0.1	0.05	7.0	0.1	<0.05	7	0.6	<0.2
1203433	Soil	9	30	0.58	155	0.074	<1	2.18	0.012	0.06	0.1	0.02	4.0	<0.1	<0.05	7	<0.5	0.4
1203427	Soil	27	36	0.41	379	0.017	<1	1.90	0.014	0.10	0.1	0.10	6.0	0.4	0.07	6	1.3	<0.2
1203428	Soil	16	23	0.25	203	0.010	<1	1.73	0.013	0.05	<0.1	0.07	4.6	0.2	0.06	4	0.8	0.3
1203429	Soil	11	38	0.63	168	0.065	<1	2.59	0.016	0.07	0.1	0.04	4.6	0.2	<0.05	7	0.7	<0.2
1203426	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1203425	Soil	6	22	0.26	75	0.083	<1	1.36	0.010	0.03	0.1	0.03	2.2	<0.1	<0.05	9	<0.5	<0.2
1203432	Soil	24	36	0.62	345	0.062	<1	2.69	0.016	0.07	0.1	0.03	6.2	0.1	<0.05	7	<0.5	0.3
1203430	Soil	19	58	1.06	274	0.088	<1	2.36	0.048	0.16	<0.1	0.02	5.6	0.3	0.19	8	1.0	<0.2
1203431	Soil	25	37	0.68	368	0.065	<1	2.96	0.017	0.07	0.1	0.04	6.4	0.1	<0.05	7	<0.5	0.2
1203410	Soil	3	13	0.12	42	0.041	<1	0.53	0.018	0.03	<0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
1203412	Soil	7	57	0.59	121	0.091	<1	1.62	0.017	0.06	0.1	0.02	2.8	0.1	<0.05	6	<0.5	0.2
1203411	Soil	2	22	0.17	29	0.037	<1	0.48	0.019	0.03	<0.1	0.03	0.8	<0.1	<0.05	2	<0.5	<0.2
1203409	Soil	13	85	0.72	131	0.095	2	1.95	0.023	0.09	0.1	0.03	4.5	0.3	<0.05	5	0.7	<0.2
1203408	Soil	17	44	0.60	199	0.059	2	2.19	0.014	0.06	0.2	0.06	5.2	0.3	<0.05	7	<0.5	<0.2
1203406	Soil	13	33	0.43	186	0.051	2	1.65	0.017	0.13	0.1	0.03	2.8	0.2	0.08	5	<0.5	<0.2
1203407	Soil	12	41	0.61	232	0.084	2	2.60	0.015	0.05	0.1	0.03	4.2	0.1	<0.05	6	<0.5	<0.2
1203402	Soil	14	21	0.33	219	0.031	1	1.11	0.053	0.11	<0.1	0.02	3.0	0.1	0.23	3	<0.5	0.3
1203404	Soil	24	13	0.07	270	0.002	1	0.59	0.046	0.23	<0.1	0.02	3.7	0.2	0.53	1	1.1	0.4
1203405	Soil	16	22	0.29	113	0.016	2	1.06	0.010	0.10	<0.1	0.02	1.9	0.3	0.09	3	<0.5	<0.2
1203403	Soil	20	10	0.13	221	0.002	<1	0.63	0.060	0.13	<0.1	0.02	2.6	0.1	0.34	2	<0.5	0.4
1203401	Soil	15	21	0.25	197	0.020	1	1.09	0.068	0.10	<0.1	0.01	2.1	<0.1	0.32	4	<0.5	0.2
1203414	Soil	3	12	0.06	113	0.031	1	0.63	0.016	0.02	<0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
1203420	Soil	5	18	0.19	77	0.038	1	0.64	0.014	0.03	0.1	0.04	1.3	<0.1	0.05	2	<0.5	<0.2
1203422	Soil	11	55	0.53	150	0.057	2	1.51	0.014	0.07	0.1	0.04	2.7	0.2	0.08	5	0.6	<0.2

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1203419	Soil	1.2	40.9	28.0	83	0.3	30.5	12.1	284	3.07	19.9	1.7	6.5	4.5	36	0.5	0.9	0.3	81	0.48	0.074
1203421	Soil	1.5	22.9	27.3	69	0.1	21.9	12.8	575	2.91	44.2	0.9	9.3	2.9	23	0.3	0.8	1.8	69	0.22	0.066
1203418	Soil	1.2	27.9	13.1	65	0.2	24.0	8.9	195	2.50	16.4	1.1	3.6	3.5	27	0.2	0.6	0.3	64	0.36	0.066
1203416	Soil	1.3	31.0	13.9	48	0.3	27.5	10.1	319	2.39	8.8	1.1	9.2	1.4	31	0.1	0.4	0.2	59	0.32	0.063
1203417	Soil	1.0	15.3	8.6	24	<0.1	8.1	3.5	165	1.49	6.8	0.4	4.0	0.7	14	0.1	0.2	0.1	48	0.12	0.042
1203424	Soil	1.4	18.0	17.7	54	0.3	17.4	6.4	147	2.19	8.5	1.2	5.6	1.1	31	0.4	0.4	0.3	54	0.32	0.079
1203423	Soil	1.2	20.1	82.5	119	0.4	24.8	15.9	719	3.10	33.5	0.7	3.7	2.2	29	0.9	2.8	0.5	74	0.29	0.059
1203415	Soil	2.5	37.5	17.2	56	0.4	40.3	9.4	301	2.50	8.5	1.3	16.9	1.4	41	0.3	0.4	0.3	62	0.41	0.065
1203413	Soil	2.7	18.4	19.2	67	0.3	17.8	8.0	323	3.64	9.8	0.5	7.5	1.5	25	0.4	0.6	0.2	98	0.16	0.040
1072818	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1072814	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1072190	Soil	0.9	20.2	13.5	22	0.2	10.2	2.9	77	1.07	2.3	0.7	5.6	0.5	15	0.1	0.2	0.1	24	0.12	0.022
1072144	Soil	1.3	21.7	24.4	28	0.4	8.6	5.0	308	1.66	6.2	0.7	2.4	0.7	20	0.4	0.3	0.8	48	0.18	0.036
1072200	Soil	0.8	19.2	10.2	36	0.2	10.9	4.3	177	1.57	3.1	0.4	3.7	0.3	10	0.6	0.2	0.1	41	0.11	0.047
1072188	Soil	1.9	29.7	18.9	71	0.2	35.0	12.1	436	3.50	12.3	0.8	5.9	2.4	28	0.3	0.6	0.2	83	0.29	0.049
1072139	Soil	1.9	30.0	28.6	80	0.2	31.5	12.2	491	3.65	15.5	1.0	8.4	2.7	33	0.3	0.6	0.5	83	0.35	0.055
1072141	Soil	2.6	34.5	57.1	97	1.0	33.6	16.2	748	4.78	27.2	2.0	15.9	3.1	48	0.3	0.9	1.8	73	0.43	0.116
1072140	Soil	4.0	53.7	75.1	116	2.3	43.7	20.2	1339	5.25	20.7	3.2	29.6	2.3	44	0.6	0.9	1.5	81	0.40	0.113
1072138	Soil	0.8	15.1	7.9	21	0.1	7.1	3.0	140	1.47	3.5	0.6	2.7	0.2	11	0.2	0.2	0.1	40	0.11	0.032
1072142	Soil	2.2	34.5	55.6	100	1.0	31.7	15.7	783	4.48	26.1	2.0	15.6	2.7	51	0.2	1.0	1.8	72	0.46	0.109
1072143	Soil	1.2	22.0	25.6	51	0.5	15.6	4.9	221	2.12	13.6	0.9	2.0	0.3	28	0.5	0.4	0.5	45	0.26	0.057
1072137	Soil	1.9	28.1	26.0	60	0.2	21.9	7.6	260	2.70	9.3	1.4	4.9	2.1	20	0.4	0.4	0.3	72	0.19	0.057
1072198	Soil	1.3	23.2	26.3	73	0.3	30.9	13.3	349	3.45	11.6	0.5	4.6	2.1	18	0.7	0.6	0.2	86	0.18	0.028
1072189	Soil	1.5	24.2	14.5	63	0.2	31.2	12.4	273	3.42	11.7	0.6	12.5	2.5	22	0.3	0.6	0.2	80	0.23	0.035
1072195	Soil	1.1	38.0	29.8	31	0.4	32.3	6.9	164	2.74	7.3	1.4	3.7	0.4	9	0.3	0.5	0.4	42	0.07	0.139
1072136	Soil	1.3	27.5	29.2	78	0.2	26.1	10.4	312	2.97	10.6	1.3	11.7	3.8	23	0.3	0.5	0.2	73	0.28	0.070
1072191	Soil	1.0	20.4	37.2	83	<0.1	41.1	11.6	391	2.80	22.8	0.8	6.8	2.6	23	0.2	0.9	0.8	74	0.26	0.051
1072197	Soil	0.8	23.9	36.2	49	0.4	34.6	7.8	194	1.89	7.0	1.2	15.1	2.1	19	0.2	0.4	0.2	43	0.16	0.031
1072199	Soil	1.3	15.7	13.6	56	0.2	15.8	8.0	193	2.53	7.4	0.4	3.3	1.3	14	0.3	0.4	0.2	66	0.11	0.027
1072192	Soil	1.2	29.0	31.9	73	<0.1	43.5	12.6	348	2.97	12.7	1.3	9.2	4.0	26	0.2	0.7	1.1	74	0.37	0.073

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1203419	Soil	16	40	0.64	235	0.108	2	1.75	0.024	0.06	0.2	0.04	5.5	0.1	<0.05	5	0.8	<0.2
1203421	Soil	11	38	0.47	134	0.071	2	1.54	0.014	0.06	0.2	0.02	2.6	0.1	<0.05	5	0.5	0.5
1203418	Soil	13	35	0.54	178	0.092	<1	1.71	0.017	0.04	0.2	0.03	3.7	0.1	<0.05	5	<0.5	<0.2
1203416	Soil	11	44	0.49	189	0.060	1	1.72	0.016	0.04	0.2	0.04	3.4	0.2	<0.05	5	<0.5	<0.2
1203417	Soil	5	17	0.17	78	0.054	<1	0.82	0.014	0.04	<0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
1203424	Soil	10	35	0.45	131	0.042	1	1.64	0.014	0.05	0.1	0.06	2.9	0.2	0.08	6	<0.5	<0.2
1203423	Soil	10	43	0.63	117	0.084	1	1.74	0.017	0.06	0.2	0.03	3.3	0.2	<0.05	6	<0.5	<0.2
1203415	Soil	13	64	0.58	243	0.074	2	2.01	0.020	0.06	0.2	0.04	3.5	0.2	<0.05	6	<0.5	<0.2
1203413	Soil	6	35	0.31	118	0.074	<1	2.26	0.013	0.03	0.2	0.04	2.2	0.1	<0.05	9	<0.5	<0.2
1072818	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1072814	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1072190	Soil	7	15	0.13	64	0.041	<1	0.80	0.020	0.03	<0.1	0.02	1.3	0.2	<0.05	3	<0.5	<0.2
1072144	Soil	12	20	0.18	267	0.045	<1	1.12	0.013	0.05	<0.1	0.02	2.0	0.1	<0.05	6	<0.5	<0.2
1072200	Soil	4	18	0.14	96	0.036	<1	0.88	0.017	0.04	<0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1072188	Soil	11	44	0.67	182	0.091	1	2.85	0.016	0.05	0.1	0.03	3.9	0.2	<0.05	7	<0.5	<0.2
1072139	Soil	13	45	0.68	226	0.089	1	2.21	0.018	0.06	0.2	0.04	3.8	0.2	<0.05	7	<0.5	<0.2
1072141	Soil	29	47	0.56	788	0.033	<1	2.74	0.017	0.08	0.1	0.12	7.9	0.2	0.05	7	1.1	<0.2
1072140	Soil	47	57	0.56	1052	0.029	1	3.33	0.012	0.08	0.2	0.15	8.2	0.2	0.08	8	1.4	<0.2
1072138	Soil	9	17	0.16	86	0.032	<1	1.06	0.016	0.03	<0.1	0.04	1.3	<0.1	<0.05	4	<0.5	<0.2
1072142	Soil	30	46	0.54	798	0.030	<1	2.60	0.017	0.08	0.1	0.11	7.6	0.2	<0.05	6	0.7	<0.2
1072143	Soil	13	25	0.28	330	0.020	<1	1.54	0.017	0.06	<0.1	0.05	2.4	<0.1	<0.05	5	<0.5	<0.2
1072137	Soil	13	34	0.44	136	0.068	<1	1.93	0.017	0.06	0.2	0.04	3.2	0.1	<0.05	7	<0.5	<0.2
1072198	Soil	8	41	0.52	208	0.072	<1	2.83	0.015	0.04	<0.1	0.04	3.0	0.1	<0.05	7	<0.5	<0.2
1072189	Soil	7	45	0.52	120	0.070	<1	2.86	0.012	0.04	<0.1	0.03	3.2	0.3	<0.05	7	<0.5	<0.2
1072195	Soil	7	55	0.25	89	0.049	2	1.67	0.017	0.03	0.1	0.02	1.9	0.2	<0.05	5	0.6	<0.2
1072136	Soil	17	46	0.63	132	0.104	3	2.02	0.014	0.06	0.2	0.03	3.7	0.2	<0.05	6	0.8	<0.2
1072191	Soil	8	56	0.69	90	0.134	2	1.46	0.015	0.06	0.2	0.02	2.6	0.1	<0.05	6	<0.5	<0.2
1072197	Soil	10	41	0.37	106	0.084	1	1.56	0.023	0.04	0.2	0.03	3.6	0.2	<0.05	4	0.6	<0.2
1072199	Soil	6	26	0.28	85	0.072	2	1.81	0.013	0.04	0.1	0.03	2.1	<0.1	<0.05	6	0.6	<0.2
1072192	Soil	14	53	0.79	155	0.128	2	1.94	0.017	0.06	0.3	0.02	3.2	0.2	<0.05	6	<0.5	<0.2

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Project: APO
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS DAW11000266.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1072193	Soil	1.1	26.2	23.1	68	0.1	43.5	13.6	398	3.07	8.7	0.9	14.4	2.8	28	0.2	0.7	0.4	79	0.38	0.079
1072194	Soil	0.9	17.2	16.3	28	0.1	17.2	5.0	170	1.31	8.5	0.6	3.1	0.5	14	0.2	0.5	0.5	34	0.13	0.030
1072196	Soil	0.3	5.2	3.5	8	0.2	6.4	1.0	27	0.42	0.7	0.2	1.2	<0.1	11	<0.1	<0.1	<0.1	9	0.13	0.030
1167400	Soil	1.5	25.3	41.2	88	0.6	33.0	15.5	586	3.38	10.6	0.6	9.1	2.4	20	0.4	0.6	0.2	88	0.19	0.035
1072187	Soil	1.0	31.8	31.1	66	0.1	40.9	12.5	328	2.98	9.4	0.9	12.0	3.1	30	0.2	0.6	0.2	74	0.37	0.053
1167399	Soil	1.4	46.1	32.8	68	0.2	38.7	13.1	312	3.08	7.4	1.1	8.5	5.5	22	0.1	0.4	0.8	90	0.31	0.072
1072186	Soil	1.0	33.9	30.5	70	0.2	40.1	12.0	340	2.95	9.1	0.8	11.4	2.8	31	0.2	0.5	0.2	74	0.39	0.055
1167394	Soil	1.1	32.7	13.8	36	0.4	14.7	6.5	984	1.92	4.6	1.0	4.7	0.8	28	0.4	0.2	0.2	42	0.29	0.048
1167391	Soil	1.0	19.5	28.7	74	0.3	24.4	10.5	824	2.54	8.7	0.8	5.9	2.4	31	0.4	0.5	0.4	58	0.38	0.055
1167397	Soil	0.9	14.9	9.9	22	0.3	8.9	3.7	117	1.24	3.3	0.9	2.3	0.5	12	0.2	0.2	<0.1	31	0.10	0.033
1167395	Soil	1.7	31.1	17.7	64	0.4	26.4	9.5	378	3.02	9.1	1.4	6.0	2.7	39	0.2	0.4	0.2	70	0.41	0.049
1167393	Soil	1.8	28.3	27.9	64	0.9	23.0	8.1	540	2.92	10.1	1.8	7.3	1.2	51	0.3	0.6	0.6	51	0.59	0.086
1167396	Soil	0.8	16.8	9.6	25	0.3	7.8	2.7	83	1.22	3.1	1.0	2.6	0.3	17	0.2	0.2	<0.1	29	0.16	0.040
1167398	Soil	1.5	27.2	18.4	60	0.1	29.8	11.2	314	2.89	7.0	1.1	3.3	4.5	29	0.2	0.4	0.1	79	0.34	0.057
1167392	Soil	1.5	23.1	45.8	97	0.5	27.7	10.7	636	3.16	12.2	1.3	10.3	2.5	33	0.4	0.6	0.7	63	0.39	0.069

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CERTIFICATE OF ANALYSIS DAW11000266.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1072193	Soil	10	52	0.68	124	0.128	2	1.79	0.016	0.07	0.3	0.03	3.3	0.1	<0.05	5	0.5	<0.2
1072194	Soil	4	33	0.29	40	0.053	1	0.74	0.016	0.04	0.1	0.03	1.5	0.2	<0.05	3	<0.5	<0.2
1072196	Soil	2	13	0.05	21	0.019	1	0.25	0.015	0.03	<0.1	0.02	0.5	<0.1	<0.05	1	<0.5	<0.2
1167400	Soil	8	78	0.68	127	0.134	1	2.20	0.017	0.06	0.2	0.03	3.5	0.4	<0.05	8	0.7	<0.2
1072187	Soil	12	64	0.85	187	0.128	2	1.99	0.018	0.06	0.2	0.02	4.2	0.2	<0.05	6	<0.5	<0.2
1167399	Soil	14	68	0.76	141	0.131	1	1.80	0.015	0.08	0.3	0.01	2.9	0.3	<0.05	6	<0.5	<0.2
1072186	Soil	12	68	0.89	186	0.131	2	1.94	0.020	0.06	0.2	0.03	4.1	0.2	<0.05	6	<0.5	<0.2
1167394	Soil	15	20	0.24	210	0.054	<1	1.30	0.017	0.04	0.1	0.05	2.3	<0.1	<0.05	4	<0.5	<0.2
1167391	Soil	15	42	0.62	346	0.080	2	1.57	0.014	0.06	0.1	0.03	3.7	0.1	<0.05	5	<0.5	<0.2
1167397	Soil	9	14	0.17	65	0.046	<1	0.90	0.018	0.03	0.1	0.03	1.3	<0.1	<0.05	4	0.7	<0.2
1167395	Soil	14	39	0.55	265	0.095	2	2.54	0.021	0.06	0.2	0.04	5.1	0.2	<0.05	7	<0.5	<0.2
1167393	Soil	31	33	0.39	628	0.039	2	2.16	0.015	0.06	0.2	0.10	5.2	0.1	0.05	6	0.6	<0.2
1167396	Soil	8	16	0.20	92	0.043	<1	1.04	0.018	0.03	0.1	0.04	1.6	<0.1	<0.05	4	0.5	<0.2
1167398	Soil	14	46	0.71	155	0.146	2	1.79	0.021	0.06	0.3	0.01	3.3	0.2	<0.05	6	<0.5	<0.2
1167392	Soil	17	46	0.60	455	0.051	1	2.20	0.012	0.07	0.2	0.06	5.2	0.2	<0.05	6	0.5	<0.2

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QUALITY CONTROL REPORT DAW11000266.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1072911	Soil	1.6	19.9	17.2	71	0.1	20.2	7.0	299	2.62	20.7	1.0	3.1	3.6	28	0.2	1.8	0.2	45	0.35	0.039
REP 1072911	QC	1.5	19.6	16.8	72	0.1	18.5	7.0	297	2.67	20.2	1.0	1.9	3.5	27	0.2	1.7	0.2	44	0.35	0.038
1167486	Soil	1.3	22.6	14.7	47	<0.1	25.8	11.7	331	3.20	8.3	0.8	2.7	1.4	21	0.2	0.5	0.4	74	0.30	0.062
REP 1167486	QC	1.3	22.2	14.4	47	<0.1	25.9	11.6	327	3.16	8.3	0.8	3.1	1.4	20	0.1	0.4	0.4	74	0.29	0.061
1072829	Soil	1.5	35.9	23.3	78	0.1	26.3	11.9	395	3.00	8.1	1.6	12.0	4.1	101	0.2	0.5	0.3	84	0.48	0.070
REP 1072829	QC	1.4	35.1	23.1	81	0.1	26.3	11.9	389	3.03	8.3	1.7	4.8	4.2	97	0.3	0.5	0.3	88	0.51	0.070
1072837	Soil	1.1	25.8	15.7	55	<0.1	49.8	15.3	507	2.69	7.5	0.7	5.9	1.8	41	0.1	0.4	0.2	89	0.44	0.067
REP 1072837	QC	1.1	25.1	16.0	53	<0.1	48.7	15.4	520	2.68	7.7	0.7	6.6	1.8	40	0.1	0.4	0.2	90	0.44	0.067
1072816	Soil	1.1	26.7	11.9	64	0.2	21.6	9.0	155	3.24	23.8	1.1	3.2	2.3	20	<0.1	0.5	0.2	73	0.26	0.066
REP 1072816	QC	1.1	28.3	12.0	63	0.2	22.6	8.6	152	3.24	23.1	1.1	1.9	2.1	19	<0.1	0.5	0.2	70	0.26	0.065
1054899	Soil	0.9	36.8	19.7	55	0.6	17.1	4.8	117	2.49	18.9	1.9	21.3	1.3	22	0.3	0.6	0.3	47	0.25	0.075
REP 1054899	QC	0.8	36.0	19.4	55	0.6	17.9	5.0	119	2.58	19.2	2.1	11.9	1.4	23	0.3	0.6	0.4	48	0.25	0.079
1203414	Soil	0.8	19.3	5.7	34	0.2	8.3	3.4	311	1.08	2.1	0.3	2.8	0.3	10	0.5	0.2	0.1	35	0.08	0.043
REP 1203414	QC	0.8	19.3	5.6	33	0.2	7.9	3.5	310	1.07	2.1	0.3	3.7	0.4	10	0.5	0.2	0.1	36	0.07	0.044
1203423	Soil	1.2	20.1	82.5	119	0.4	24.8	15.9	719	3.10	33.5	0.7	3.7	2.2	29	0.9	2.8	0.5	74	0.29	0.059
REP 1203423	QC	1.1	19.2	76.1	118	0.4	24.2	15.4	701	3.02	32.9	0.6	4.5	2.1	27	0.8	2.4	0.5	74	0.28	0.055
1072192	Soil	1.2	29.0	31.9	73	<0.1	43.5	12.6	348	2.97	12.7	1.3	9.2	4.0	26	0.2	0.7	1.1	74	0.37	0.073
REP 1072192	QC	1.1	27.5	29.9	71	<0.1	40.3	12.0	322	2.78	11.6	1.2	6.5	3.9	26	0.2	0.7	0.9	71	0.36	0.067
1167397	Soil	0.9	14.9	9.9	22	0.3	8.9	3.7	117	1.24	3.3	0.9	2.3	0.5	12	0.2	0.2	<0.1	31	0.10	0.033
REP 1167397	QC	1.0	15.4	10.2	25	0.3	9.0	3.8	122	1.26	3.2	0.9	3.2	0.5	13	0.3	0.2	0.1	32	0.10	0.032
Reference Materials																					
STD DS8	Standard	14.2	123.1	122.5	321	1.8	42.9	8.5	643	2.62	25.8	2.6	107.9	6.3	64	2.5	5.4	6.3	47	0.74	0.081
STD DS8	Standard	13.0	114.3	115.7	307	1.7	39.0	7.8	599	2.43	24.6	2.4	117.8	5.9	58	2.5	4.9	5.9	45	0.68	0.077
STD DS8	Standard	14.1	115.7	120.3	325	1.8	39.6	7.6	604	2.45	26.3	2.5	114.3	6.4	64	2.5	4.6	6.4	46	0.70	0.080
STD DS8	Standard	13.4	115.2	127.6	320	1.8	41.0	7.8	626	2.52	25.6	2.9	112.7	6.8	66	2.4	5.7	6.4	44	0.70	0.080
STD DS8	Standard	13.3	121.8	128.9	328	1.6	41.9	8.2	655	2.67	26.2	2.9	111.5	6.8	62	2.1	4.7	6.7	46	0.65	0.079
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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QUALITY CONTROL REPORT DAW11000266.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1072911	Soil	18	24	0.38	186	0.042	<1	1.25	0.017	0.08	<0.1	0.02	3.0	0.2	<0.05	3	<0.5	<0.2
REP 1072911	QC	18	24	0.37	175	0.043	2	1.23	0.017	0.08	<0.1	0.02	3.1	0.2	<0.05	3	<0.5	<0.2
1167486	Soil	11	34	0.56	255	0.059	<1	2.09	0.012	0.06	0.1	0.03	3.6	0.1	<0.05	6	0.6	<0.2
REP 1167486	QC	11	34	0.55	250	0.056	<1	2.13	0.016	0.05	<0.1	0.02	3.4	0.1	<0.05	6	0.6	<0.2
1072829	Soil	16	44	0.71	146	0.141	2	1.91	0.026	0.06	0.2	0.03	4.9	0.1	<0.05	5	<0.5	<0.2
REP 1072829	QC	16	44	0.72	152	0.147	3	1.97	0.028	0.06	0.2	0.02	5.1	0.1	<0.05	6	<0.5	<0.2
1072837	Soil	8	79	0.95	148	0.114	2	2.00	0.018	0.06	0.2	0.02	3.5	0.2	<0.05	7	<0.5	<0.2
REP 1072837	QC	8	81	0.94	145	0.116	2	2.01	0.017	0.06	0.2	0.02	3.5	0.2	<0.05	7	<0.5	<0.2
1072816	Soil	13	34	0.58	172	0.065	<1	2.09	0.011	0.05	0.1	0.06	3.8	0.1	<0.05	6	0.7	<0.2
REP 1072816	QC	13	34	0.56	164	0.065	<1	2.04	0.011	0.05	0.1	0.04	3.9	<0.1	<0.05	6	<0.5	<0.2
1054899	Soil	14	30	0.39	157	0.030	<1	1.61	0.009	0.05	<0.1	0.06	4.1	0.2	<0.05	5	1.3	<0.2
REP 1054899	QC	14	30	0.41	166	0.029	<1	1.74	0.010	0.04	0.1	0.08	4.0	0.2	<0.05	5	1.2	<0.2
1203414	Soil	3	12	0.06	113	0.031	1	0.63	0.016	0.02	<0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
REP 1203414	QC	3	12	0.06	115	0.031	<1	0.63	0.017	0.02	<0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
1203423	Soil	10	43	0.63	117	0.084	1	1.74	0.017	0.06	0.2	0.03	3.3	0.2	<0.05	6	<0.5	<0.2
REP 1203423	QC	10	40	0.61	115	0.080	2	1.67	0.015	0.06	0.1	0.04	3.2	0.1	<0.05	6	<0.5	<0.2
1072192	Soil	14	53	0.79	155	0.128	2	1.94	0.017	0.06	0.3	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
REP 1072192	QC	13	50	0.74	149	0.128	2	1.83	0.017	0.05	0.2	0.04	3.2	0.2	<0.05	5	<0.5	<0.2
1167397	Soil	9	14	0.17	65	0.046	<1	0.90	0.018	0.03	0.1	0.03	1.3	<0.1	<0.05	4	0.7	<0.2
REP 1167397	QC	10	14	0.18	67	0.049	<1	0.93	0.019	0.03	0.1	0.01	1.5	<0.1	<0.05	4	0.5	<0.2
Reference Materials																		
STD DS8	Standard	16	127	0.63	300	0.123	2	0.99	0.100	0.44	2.9	0.20	2.3	5.8	0.19	5	5.3	5.3
STD DS8	Standard	14	121	0.60	267	0.116	3	0.92	0.093	0.41	2.6	0.18	2.1	5.2	0.15	5	4.8	4.7
STD DS8	Standard	15	121	0.63	287	0.114	3	0.96	0.097	0.42	2.9	0.20	2.4	5.6	0.18	5	5.1	5.2
STD DS8	Standard	15	123	0.63	281	0.121	2	0.92	0.090	0.43	3.2	0.22	2.6	5.5	0.15	5	5.1	5.0
STD DS8	Standard	14	130	0.64	259	0.120	3	0.92	0.078	0.40	2.8	0.21	2.1	5.4	0.16	5	5.1	4.8
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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1020 - 800 West Pender Street
Vancouver BC V6C 2V6 Canada

Project: APO
Report Date: September 26, 2011

QUALITY CONTROL REPORT DAW11000266.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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QUALITY CONTROL REPORT DAW11000266.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2