

**HABANERO RESOURCES INC.**

**2009 GEOCHEMICAL WORK REPORT ON THE  
YUKON GOLD PROJECT**

Volume I – Text

Located in the North Dawson Range  
Whitehorse and Dawson Mining Districts  
NTS 115N/01, 115O/04  
63° 07' N Latitude; 139° 39' W Longitude  
UTM 6,999,000N, 567,000E (NAD 83 Zone 7)  
Work Conducted September 17-23, 2009

-prepared for-

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December, 2009



## SUMMARY

This report documents the methodology and results of a geochemical work program conducted on the Yukon Gold property by Equity Exploration Consultants Ltd. in the period September 17-23, 2009. The property is helicopter accessible, located in west-central Yukon, approximately 135 km south of Dawson City.

The Yukon Gold property was staked subsequent to a significant gold discovery at the neighboring White property of Underworld Resources Ltd. The discovery led to a staking rush during which Habanero Resources Ltd. acquired a significant land package within the district. The program described in this report is the first significant work program documented on the property.

The Yukon Gold claims are located within the Yukon-Tanana terrane and are underlain by undivided metamorphic rocks of the Nasina sub-terrane. Limited bedrock mapping indicates the property is dominantly underlain by quartz-muscovite and chlorite-muscovite schist.

A total of 1178 soil samples were collected in September 2009. Sampling was accomplished along ridge tops and spurs at a spacing of approximately 75 meters between samples. Reconnaissance geologic mapping and prospecting accompanied the soil sampling program. Work was based out of a tent camp located at the nearby Thistle Creek airstrip and was helicopter supported.

Results from the 2009 program on the Yukon Gold property have identified four soil geochemical anomalies with elevated values of Au, As, Mo and/or Sb. No significant surface mineralization was observed during the program. Further work in the form of prospecting, mapping, and soil geochemical sampling are warranted to follow-up the anomalies delineated during the work program described in this report.

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## **1.0 INTRODUCTION**

Equity Exploration Consultants Ltd. (“Equity”) was contracted by Habanero Resources Inc. (“Habanero”) and four other companies to carry out a soil sampling program during September of 2009. This program was carried out under the author’s direction and Equity was requested by Habanero to compile and interpret its results. The literature used in compiling this report consisted of assessment reports filed with the Yukon Ministry of Energy, Mines and Resources, government reports and maps. Information on property ownership was supplied by Habanero. The author worked on the Yukon Gold property during the 2009 exploration program and has first-hand knowledge of its geology and mineralization.

## **2.0 RELIANCE ON OTHER EXPERTS**

The authors have not relied on a report, opinion or statement of an expert for information concerning legal, environmental, political or other issues.

## **3.0 PROPERTY DESCRIPTION AND LOCATION**

The Yukon Gold property lies within the Whitehorse and Dawson Mining Districts, in the North Dawson Range of west-central Yukon, approximately 135 km south of Dawson City (Figure 1). It is centered at 63° 07' north latitude and 139° 39' west longitude.

The property can be accessed by helicopter from Dawson City, and staging areas for supplies can be flown to the Thistle airstrip along Thistle Creek, which lies 10-58 kilometers east of the Yukon Gold property. Alternatively, several boat operators in Dawson City and a barge operating out of Minto Landing are available for hire to transport supplies to points along the Yukon and/or White River where they can be subsequently mobilized by helicopter to the property.

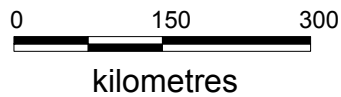
The topography of the area is characterized by rolling hills typical of the Dawson Ranges, with elevations ranging between 600 and 1250 m. Vegetation is sparse, with lower elevations covered by spruce, birch, aspen, alder and willow, whereas higher elevations have thick moss, grasses and scrub birch. Further south, hills are generally more subdued and more thickly vegetated with spruce on slopes and thick willow and alder in creek valleys. North-facing slopes locally exhibit permafrost, which complicates soil sampling. South-facing slopes are more typically vegetated by deciduous trees such as aspen and birch. Drainage systems vary from well channeled, discrete streams to swamps in broader, flat-bottomed valleys.

The area has a sub-arctic continental climate, with cold winters and cool, wet summers. Exploration can be carried out on the Yukon Gold property from June until October.

## **4.0 PROPERTY TENURE**

The Yukon Gold property consists of 979 quartz mineral claims covering 205 km<sup>2</sup> within three separate blocks of contiguous claims, as summarized in Appendix C (Figure 2). The claim boundaries are defined by the locations of claim posts on the ground, which have not been surveyed. Claim ownership information is provided in Appendix C.

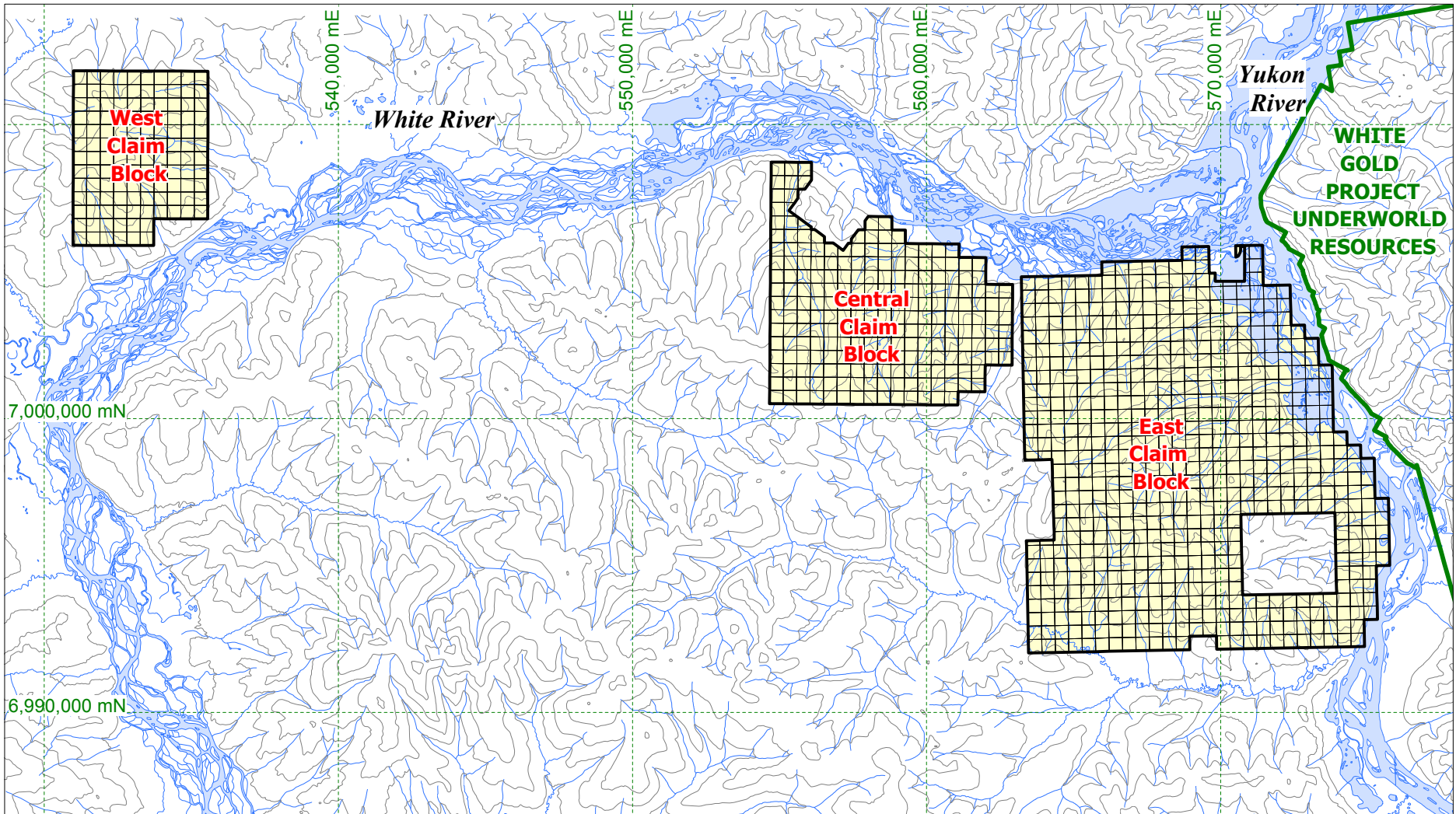
Surface rights over the Yukon Gold property are owned by the Yukon Territory. No significant surface disturbance or any major environmental liabilities was noted during the author’s field visits. Depending on the nature of the program, exploration permits may be required from the Yukon Department of Energy, Mines and Resources prior to carrying out further exploration on the property.



Habanero Resources Inc.

**Yukon Gold Project  
Location Map**

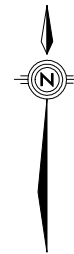
	Date: NOV 2009	Scale: 1:7,000,000	Figure
	U.T.M. Zone UTM 7 - NAD83	Mining District DAWSON	1
	N.T.S. 115N/01, 115O/04	Province BC, Yukon	



0 km



20 km



<b>Habanero Resources Inc.</b>			
<b>Yukon Gold Project</b>			
<b>Tenure Map</b>			
	Date: NOV 2009	Scale: 1:200,000	Figure
	U.T.M. Zone UTM 7 - NAD83	Mining District DAWSON	2
	N.T.-S115N/01, 115O/04	Province BC, Yukon	

## 5.0 HISTORY

Very little is documented about the exploration history in the area of the Yukon Gold property. In 1970, a small sampling program was conducted on the Nick Claims (Findlay, 1970), which were located along the northern edge of the central claim block of the Yukon Gold property. A total of six soil and seven stream silt samples were collected during the program with no significant results noted.

The area came to prominence in 2007 when Underworld Resources Ltd. acquired the White Gold property and defined several gold-bearing showings within a 1.2 x 7.5 kilometre soil geochemical anomaly. Initial trenching and drilling results were encouraging and in May 2009, Underworld announced a drill hole with 104 metres grading 3.4 g/tonne Au. In the ensuing staking rush, the Yukon Gold claims were staked in June 2009 immediately west of Underworld's White Gold property.

Several current and historic placer gold operations occur near the Yukon Gold property including on Thistle and Kirkman creeks.

### 5.1 2009 Exploration Program

The 2009 Yukon Gold exploration program, consisting of soil sampling, prospecting, and geologic mapping, was designed as a reconnaissance investigation of the entire property for its gold potential. All fieldwork was helicopter-supported and based out of a tent camp at the Thistle Creek airstrip. Sampling totals for the program are shown in Table 1. Equity Exploration Consultants Ltd. of Vancouver were contracted to manage and execute the exploration and have been retained to report on the results as described herein.

**Table 1: Surface Samples Collected during the 2009 Program**

Sample Type	Total	ALS Chemex Analytical Codes
Soil	1178	SCR-41; ME-ICP41; Au-AA23

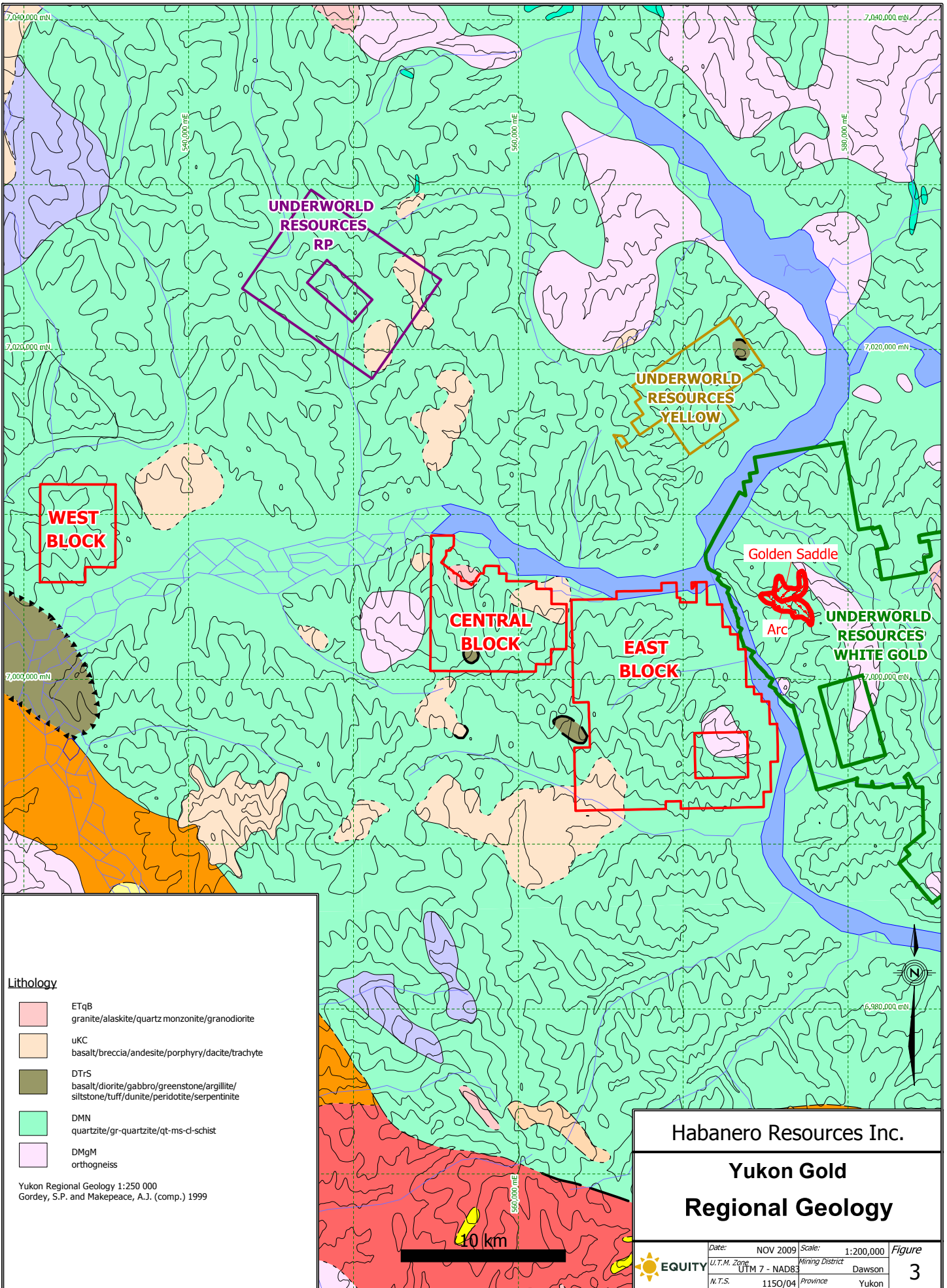
Soil samples were marked in the field by orange flagging and a tyvex tag with the sample number written on it with a China Marker. All soil samples were located using a hand-held GPS.

Samples were shipped to the ALS Chemex Laboratories preparation facility in Terrace, British Columbia. All samples were analyzed for gold by 30 g Fire Assay with an Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES) finish. Samples were also submitted for a multi-element analysis package that utilized an aqua regia digestion and an ICP-AES technique. Certificates of Analysis are presented in Appendix D. The procedures, results and conclusions of the sampling QA/QC program are summarized in Appendix E.

A magnetic declination of 22°49' E was used for all compass measurements. Structural measurements are all reported utilizing the right-hand rule. All maps and UTM coordinates in this report are referenced to the 1983 North American Datum (NAD-83; Zone 7).

## 6.0 REGIONAL GEOLOGY

The Yukon Gold claims are located within the Yukon-Tanana terrane (Figure 3) in west-central Yukon (Colpron et al., 2006), a pericratonic terrane of continental affinity that occupies a position between the ancestral continental margin of North America and outboard accreted terranes. The pericratonic terranes were accreted in the Early Jurassic, while subsequent outboard exotic terranes began accreting in the Early to mid-Cretaceous. At this time, the pericratonic package was intruded by a voluminous, northwest-to southeast-trending plutonic suite, referred



**Lithology**

- ETqB  
granite/alaskite/quartz monzonite/granodiorite
- uKC  
basalt/breccia/andesite/porphyry/dacite/trachyte
- DTs  
basalt/diorite/gabbro/greenstone/argillite/  
siltstone/tuff/dunite/peridotite/serpentinite
- DMN  
quartzite/gr-quartzite/qt-ms-cl-schist
- DMgM  
orthogneiss

Yukon Regional Geology 1:250 000  
Gordey, S.P. and Makepeace, A.J. (comp.) 1999

<b>Habanero Resources Inc.</b>			
<b>Yukon Gold</b>			
<b>Regional Geology</b>			
EQUITY	Date: NOV 2009	Scale: 1:200,000	Figure
	U.T.M. Zone UTM 7 - NAD83	Mining District Dawson	<b>3</b>
	N.T.S. 1150/04	Province Yukon	



to as the Dawson Range plutonic belt by Hart et al. (2004) (Klotassin batholith of Tempelman-Kluit and Wanless, 1975), which lies south of the Yukon Gold property.

Regional-scale geological compilation maps (Gordey and Makepeace, 1999) show that the Yukon Gold claims are underlain by undivided metamorphic rocks of the Nasina sub-terrane that include pre- to late-Devonian rocks of the continental margin. The Nasina Assemblage consists of graphitic quartzite and muscovite quartz rich,  $\pm$ chlorite,  $\pm$ feldspar augen, schist.

Examples of regional mineralization styles observed on the White Gold property include: quartz veins, hydrothermal breccias and disseminated sulphide targets. The main mineralization style at the Golden Saddle zone is described as quartz, albite, carbonate breccias with low volumes of disseminated pyrite while at the Arc zone mineralization consists of breccias with a matrix of sulphides including pyrite and arsenopyrite. Soil geochemical surveys provide an effective exploration method with Au $\pm$ As $\pm$ Mo $\pm$ Sb useful pathfinder elements.

## 7.0 PROPERTY GEOLOGY

No detailed geologic mapping has been carried out on the Yukon Gold property to date. Minor reconnaissance mapping during the 2009 program generally confirmed the published regional geology.

Limited mapping indicates the property is underlain by metamorphic rock units likely belonging to the Nasina Assemblage. These units are dominantly quartz-muscovite and chlorite-muscovite schist. A small unit of unfoliated intermediate volcanic rocks likely belonging to Nisling Range Suite was noted in the north central portion of the middle claim block, near the White River.

## 8.0 SOIL GEOCHEMISTRY

During the 2009 program, 1178 soil samples (including blanks and duplicates) were collected from the Yukon Gold property. Sampling was accomplished along the major ridges and spurs of the property area, at a spacing of approximately 75 m between samples, in an effort to give a fairly uniform, property-wide coverage. Samples were taken from a depth between 5-50 cm and from the B-horizon. Figures 5-8 shows results from these samples. Percentiles and the correlation matrix for the 2009 soil data are shown in Table 2 and Table 3.

**Table 2: 2009 Soil Geochemistry Percentiles**

Percentile	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
50th	-	-	7	16	-	8	-	45
75th	-	0.2	10	24	-	10	-	55
90th	5	0.4	13	36	2	12	2	73
95th	7	0.5	17	43	2	14	2	94.5
98th	11	0.8	34.4	60.4	2	20.4	3	128.8
Max Value	69	1.9	237	170	7	174	16	278
Population	1131	1131	1131	1131	1131	1131	1131	1131

**Table 3: 2009 Soil Geochemistry Correlation Matrix**

	<b>Au</b>	<b>Ag</b>	<b>As</b>	<b>Cu</b>	<b>Mo</b>	<b>Pb</b>	<b>Sb</b>	<b>Zn</b>
<b>Au</b>								
<b>Ag</b>	0.05							
<b>As</b>	0.37	0.13						
<b>Cu</b>	0.14	0.01	0.17					
<b>Mo</b>	0.07	0.23	0.30	0.30				
<b>Pb</b>	0.32	0.02	0.21	0.10	0.44			
<b>Sb</b>	0.22	0.13	0.75	0.38	0.16	0.14		
<b>Zn</b>	0.08	0.17	0.26	0.37	0.47	0.40	0.22	

A moderate correlation exists between As-Sb, a weak correlation is seen between Pb-Mo, Zn-Pb, and Zn-Mo values while no metals correlate well with Au values.

Several soil geochemical anomalies have been identified within the 2009 work area and are summarized below.

**Anomaly 1:** A multi element (As-Mo-Sb) anomaly occurring along a north-south ridge top, over a length of approximately 2 km, in the north region of the central claim block. Although Au is not anomalous over most of the anomaly, a single highly anomalous (69 ppb) sample does occur within the anomaly. No geologic mapping was completed during the current work program in this area. Regional mapping (Gordey and Makepeace, 1999) shows the anomaly is underlain by Nasina Assemblage rocks, with an Early Tertiary (Nisling Range Suite) intrusion at the northern edge of the anomaly.

**Anomaly 2:** This Au-As anomaly occurs along the southern boundary of the central claim block with Au values up to 42 ppb. The anomaly is spread over approximately 4.5 km of ridge top mapped as chlorite-muscovite schist belonging to the Nasina Assemblage.

**Anomaly 3:** Irregular anomalous Au values up to 35 ppb occur along 6 km of ridge top in the southern portion of the eastern claim block. Mapping in this area found chlorite-muscovite±quartz schist of the Nasina Assemblage.

**Anomaly 4:** A low-level As-Mo-Sb anomaly lies along the easternmost kilometre of a ridge soil line near the Yukon River in the northeast region of the eastern claim block. Only one sample returned detectable gold (10 ppb) from this anomaly. No geologic mapping was completed during the current work program in this area. Regional mapping (Gordey and Makepeace, 1999) shows the anomaly is underlain by Nasina Assemblage rocks.

## 9.0 INTERPRETATION AND CONCLUSIONS

The Yukon Gold property covers 205 square kilometres (979 claims) in the Dawson Ranges near the White Gold property of Underworld Resources Ltd. This area came into prominence in May 2009, when Underworld announced a drill hole with 104 metres grading 3.4 g/tonne Au from the White Gold property's Golden Saddle Zone. The Golden Saddle and Arc zones (best hole: 6.0 metres @ 8.26 g/tonne Au) and several other showings lie within a 2 x 11 kilometre Au±As±Sb±Mo soil geochemical anomaly which lies immediately east of the Yukon Gold property. Exploration on the White Gold property progressed quickly from initial ridge-and-spur soil sampling to grid soil sampling to mechanical trenching to diamond drilling and resulted in the current discovery.

Ridge-and-spur soil samples were taken across the Yukon Gold property in 2009 as an initial reconnaissance to determine its prospectivity for White Gold-style gold mineralization. The goal was to identify regions of anomalous Au and other pathfinder element (As-Mo-Sb) values in soils, giving a focus for future exploration. Several reconnaissance soil geochemical anomalies were identified from the 2009 work

program. Each of these anomalies should be refined with grid-based soil geochemistry and investigated by more detailed geological mapping and prospecting.

Anomaly 1 represents a multi-element (As-Mo-Sb) soil anomaly within an area that was not mapped during the current program. Regional mapping shows an Early Tertiary intrusion within the northern portion of this anomaly and the anomalous metal values may be related to hydrothermal activity associated with the intrusion. Only a single anomalous gold value was returned from within this anomaly, but it was the highest value (69 ppb Au) from the entire survey.

Anomaly 2 occurs over a broad area (4.5 km) with moderately anomalous Au and As values. Although somewhat inconsistent and without exceedingly high values, this anomaly is significant due to its size and the coincidence of Au and As values.

The third anomaly identified in the 2009 sampling program is again a broad (6 km) area of erratic anomalous samples; however, this anomaly is restricted to dominantly Au values, with only a few anomalous As values.

Anomaly 4 is relatively small and lacks elevated gold values, but it deserves further investigation due to its proximity to the large soil geochemical anomaly on the White Gold property, located on the opposite side of Yukon River.

Although results from the 2009 sampling program on the Yukon Gold property did not return results indicative of a significant discovery, several multi-element anomalies were identified. Due to the reconnaissance nature of the 2009 work, each of the anomalies detailed in this report have aspects which encourage follow-up work.

Respectfully submitted,

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Neil W. Perk

EQUITY EXPLORATION CONSULTANTS LTD.

Vancouver, British Columbia

December 9, 2009

**Appendix A: References**

## REFERENCES

- Colpron, M., 2006. Tectonic assembly map of the Yukon – Tanana and related terranes in Yukon and British Columbia (1: 1,000,000), Yukon Geological Survey, Open File 2006-1.
- Findlay, D.C., 1970. Nick Mineral Claims – Property Examination Report for Selco Exploration Company Ltd.; Yukon Ministry of Energy, Mines and Resources Assessment Report #060245.
- Gordey, S.P. and Makepeace, A.J. (comps.), 1999. Yukon Digital Geology. Geological Survey of Canada Open File D3826, and Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs, Canada, Open File 1999-1 (D), 2 CD-ROMs.
- Hart, J.R., Goldfarb, R.J., Lewis, L.L., Mair, J.L., 2004. The northern Cordilleran mid-Cretaceous plutonic province: Ilmenite/magnetite-series granitoids and intrusion-related mineralization: Resource Geology, vol. 54, no. 3, pp 253-280.

**Appendix B: Statement of Expenditures**

## STATEMENT OF EXPENDITURES

Note that expenditures have been apportioned between claim blocks on the basis of numbers of soil samples

### East Block – Whitehorse Mining District September 16-24, 2009

#### PROFESSIONAL FEES AND WAGES:

Darcy Baker, P. Geo.	0.61 days @	\$650/day	\$	396.55	
Alison Lindsay, Sampler	5.49 days @	\$275/day		1,509.95	
Dan McCreery, Sampler	5.49 days @	\$275/day		1,509.95	
Joe McCreery, Prospector	5.19 days @	\$475/day		2,463.20	
Scott Parker, GIS / Logistics	1.83 hours @	\$75/hour		137.27	
Neil Perk, Project Geologist	9.76 days @	\$650/day		6,344.83	
Mike Ross, Sampler	5.49 days @	\$275/day		1,509.95	
William VanZanten, Senior Sampler	5.19 days @	\$325/day		1,685.34	
Agata Zurek, GIS	12.66 hours @	\$75/hour		949.44	
Clerical	0.49 hours @	\$35/hour		17.08	
				17.08	\$ 16,523.55

#### EQUIPMENT RENTALS

Field Camp	25.62 days @	\$40/manday	\$	1,024.93	
Chainsaws	1.83 days @	\$30/day		54.91	
Field Computers	6.10 days @	\$40/day		244.03	
Satellite Phones (Iridium)	0.61 weeks @	\$75.00/week		45.76	
	99.44 minutes @	\$1.89/min		187.95	
First Aid Equipment (Level III)	4.27 days @	\$30/day		128.12	
Generator (1kVA)	4.27 days @	\$20/day		85.41	
				85.41	1,771.10

#### EXPENSES:

Chemical Analyses	\$ 15,108.11
Materials and Supplies	457.50
Plot Charges	32.25
Camp Food	675.44
Meals	325.12

Accommodation	490.53	
Taxis and Airporters	108.89	
Parking	3.49	
Truck Rental	205.52	
Rental Truck Insurance	18.30	
Automotive Fuel	45.57	
Aircraft Charters	8,934.63	
Helicopter Charters	12,773.24	
Telephone Distance Charges	0.31	
Freight	2,388.17	
Radio Rental	292.84	
Expediting	466.70	42,326.60
<b>SUB-TOTAL:</b>		<b>\$ 60,621.25</b>
<b>PROJECT SUPERVISION CHARGES:</b>		
12% on subtotal: (\$60,621.25)		7,274.55
<b>SUB-TOTAL:</b>		<b>\$ 67,895.80</b>
<b>GST: 5% on sub-total</b>		3,394.79
<b>TOTAL:</b>		<b>\$ 71,290.59</b>

**Central Block – Whitehorse Mining District  
September 16-24, 2009**

**PROFESSIONAL FEES AND WAGES:**

Darcy Baker, P. Geo.	0.25 days @ \$650/day	\$164.37
Alison Lindsay, Sampler	2.28 days @ \$275/day	625.86
Dan McCreery, Sampler	2.28 days @ \$275/day	625.86
Joe McCreery, Prospector	2.15 days @ \$475/day	1,020.98
Scott Parker, GIS / Logistics	0.76 hours @ \$75/hour	56.90
Neil Perk, Project Geologist	4.05 days @ \$650/day	2,629.89
Mike Ross, Sampler	2.28 days @ \$275/day	625.86
William VanZanten, Senior Sampler	2.15 days @ \$325/day	698.56
Agata Zurek, GIS		



Clerical	5.25 hours @ \$75/hour	393.53	
	0.20 hours @ \$35/hour	<u>7.08</u>	\$ 6,848.89

**EQUIPMENT RENTALS**

Field Camp	10.62 days @ \$40/manday	\$424.83	
Chainsaws	0.76 days @ \$30/day	22.76	
Field Computers	2.53 days @ \$40/day	101.15	
Satellite Phones (Iridium)	0.25 weeks @ \$75.00/week	18.97	
	41.22 minutes @ \$1.89/min	77.90	
First Aid Equipment (Level III)	1.77 days @ \$30/day	53.10	
Generator (1kVA)	1.77 days @ \$20/day	<u>35.40</u>	734.11

**EXPENSES:**

Chemical Analyses	\$6,262.20	
Materials and Supplies	189.63	
Plot Charges	13.37	
Camp Food	279.96	
Meals	134.76	
Accommodation	203.32	
Taxis and Airporters	45.14	
Parking	1.45	
Truck Rental	85.19	
Rental Truck Insurance	7.59	
Automotive Fuel	18.89	
Aircraft Charters	3,703.34	
Helicopter Charters	5,294.42	
Telephone Distance Charges	0.13	
Freight	989.88	
Radio Rental	121.38	
Expediting	<u>193.44</u>	<u>17,544.07</u>

**SUB-TOTAL:**

\$ 25,127.07

**PROJECT SUPERVISION CHARGES:**

12% on subtotal: (\$25,127.07)	<u>3,015.25</u>
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**SUB-TOTAL:**

\$ 28,142.32

**GST: 5% on sub-total**1,407.12

**TOTAL:****\$ 29,549.44**

**West Block – Dawson Mining District  
September 16-24, 2009**

**PROFESSIONAL FEES AND WAGES:**

Darcy Baker, P. Geo.	0.14 days @ \$650/day	\$ 89.08	
Alison Lindsay, Sampler	1.23 days @ \$275/day	339.19	
Dan McCreery, Sampler	1.23 days @ \$275/day	339.19	
Joe McCreery, Prospector	1.16 days @ \$475/day	553.33	
Scott Parker, GIS / Logistics	0.41 hours @ \$75/hour	30.84	
Neil Perk, Project Geologist	2.19 days @ \$650/day	1,425.29	
Mike Ross, Sampler	1.23 days @ \$275/day	339.19	
William VanZanten, Senior Sampler	1.16 days @ \$325/day	378.59	
Agata Zurek, GIS	2.84 hours @ \$75/hour	213.28	
Clerical	0.11 hours @ \$35/hour	3.84	\$ 3,711.81

**EQUIPMENT RENTALS**

Field Camp	5.76 days @ \$40/manday	\$ 230.24	
Chainsaws	0.41 days @ \$30/day	12.33	
Field Computers	1.37 days @ \$40/day	54.82	
Satellite Phones (Iridium)	0.14 weeks @ \$75.00/week	10.28	
	22.34 minutes @ \$1.89/min	42.22	
First Aid Equipment (Level III)	0.96 days @ \$30/day	28.78	
Generator (1kVA)	0.96 days @ \$20/day	19.19	397.86

**EXPENSES:**

Chemical Analyses	\$ 3,393.85
Materials and Supplies	102.77
Plot Charges	7.25
Camp Food	151.73

Meals	73.03	
Accommodation	110.19	
Taxis and Airporters	24.46	
Parking	0.78	
Truck Rental	46.17	
Rental Truck Insurance	4.11	
Automotive Fuel	10.24	
Aircraft Charters	2,007.05	
Helicopter Charters	2,869.35	
Telephone Distance Charges	0.07	
Freight	536.47	
Radio Rental	65.78	
Expediting	104.84	9,508.15

**SUB-TOTAL:** \$ 13,617.82

**PROJECT SUPERVISION CHARGES:**

12% on subtotal: (\$13,617.82) 1,634.14

**SUB-TOTAL:** \$ 15,251.96

**GST:** 5% on sub-total 762.60

**TOTAL:** \$ 16,014.56

**Appendix C: Claim Data**

**Yukon Gold Property Claim Data**  
**West Block (Dawson Mining District)**

GrantNumber	ClaimName	ClaimNbr	ClaimOwner	Record Date	ClaimExpiryDate
YC99241	MGK	501	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99242	MGK	502	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99243	MGK	503	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99244	MGK	504	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99245	MGK	505	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99246	MGK	506	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99247	MGK	507	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99248	MGK	508	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99249	MGK	509	MGK Consulting Inc. - 100%.	6/18/2009	6/18/2010
YC99250	MGK	510	MGK Consulting Inc. - 100%.	6/18/2009	6/18/2010
YC99251	MGK	511	MGK Consulting Inc. - 100%.	6/18/2009	6/18/2010
YC99252	MGK	512	MGK Consulting Inc. - 100%.	6/18/2009	6/18/2010
YC99253	MGK	513	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99254	MGK	514	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99255	MGK	515	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99256	MGK	516	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99257	MGK	517	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99258	MGK	518	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99259	MGK	519	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99260	MGK	520	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99261	MGK	521	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99262	MGK	522	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99263	MGK	523	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99264	MGK	524	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99265	MGK	525	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99266	MGK	526	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99267	MGK	527	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99268	MGK	528	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99269	MGK	529	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99270	MGK	530	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99271	MGK	531	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99272	MGK	532	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99273	MGK	533	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99274	MGK	534	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99275	MGK	535	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99276	MGK	536	MGK Consulting Inc. - 100%.	6/18/2009	6/18/2010
YC99277	MGK	537	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99278	MGK	538	MGK Consulting Inc. - 100%.	6/18/2009	6/18/2010
YC99279	MGK	539	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99280	MGK	540	MGK Consulting Inc. - 100%.	6/18/2009	6/18/2010
YC99281	MGK	541	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99282	MGK	542	MGK Consulting Inc. - 100%.	6/18/2009	6/18/2010
YC99283	MGK	543	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99284	MGK	544	MGK Consulting Inc. - 100%.	6/18/2009	6/18/2010
YC99285	MGK	545	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010
YC99286	MGK	546	MGK Consulting Inc. - 100%.	6/18/2009	6/18/2010
YC99287	MGK	547	0858631 BC Ltd - 100%.	6/18/2009	6/18/2010



YC99339	MGK	599	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99340	MGK	600	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99341	MGK	601	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99342	MGK	602	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99343	MGK	603	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99344	MGK	604	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99345	MGK	605	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99346	MGK	606	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99347	MGK	607	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99348	MGK	608	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99349	MGK	609	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99350	MGK	610	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99351	MGK	611	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99352	MGK	612	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99353	MGK	613	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99354	MGK	614	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99355	MGK	615	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99356	MGK	616	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99357	MGK	617	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99358	MGK	618	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99359	MGK	619	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99360	MGK	620	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99361	MGK	621	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010
YC99362	MGK	622	Habanero Resources Inc. - 100%.	6/18/2009	6/18/2010

### Central Block (Whitehorse Mining District)

GrantNumber	ClaimName	ClaimNbr	ClaimOwner	Record Date	ClaimExpiryDate
YC98501	MGK	1	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98502	MGK	2	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98503	MGK	3	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98504	MGK	4	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98505	MGK	5	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98506	MGK	6	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98507	MGK	7	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98508	MGK	8	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98509	MGK	9	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98510	MGK	10	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98511	MGK	11	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98512	MGK	12	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98513	MGK	13	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98514	MGK	14	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98515	MGK	15	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98516	MGK	16	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98517	MGK	17	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98518	MGK	18	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98519	MGK	19	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98520	MGK	20	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98521	MGK	21	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98522	MGK	22	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010
YC98523	MGK	23	Habanero Resources Inc. - 100%.	6/19/2009	6/19/2010









YC99007	MGK	177	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99008	MGK	178	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99009	MGK	179	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99010	MGK	180	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99011	MGK	181	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99012	MGK	182	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99013	MGK	183	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99014	MGK	184	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99015	MGK	185	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99016	MGK	186	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99017	MGK	187	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99018	MGK	188	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99019	MGK	189	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99020	MGK	190	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99021	MGK	191	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99022	MGK	192	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99023	MGK	193	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99024	MGK	194	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99025	MGK	195	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99026	MGK	196	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99027	MGK	197	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99028	MGK	198	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99029	MGK	199	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99030	MGK	200	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99031	MGK	201	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99032	MGK	202	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99033	MGK	203	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99034	MGK	204	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99035	MGK	205	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99036	MGK	206	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99037	MGK	207	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99038	MGK	208	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99039	MGK	209	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99040	MGK	210	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99041	MGK	211	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99042	MGK	212	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99043	MGK	213	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99044	MGK	214	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99045	MGK	215	0859844 BC Ltd. - 100%.	6/19/2009	6/19/2010
YC99046	MGK	216	MGK Consulting Inc. - 100%.	6/19/2009	6/19/2010
YC99047	MGK	217	MGK Consulting Inc. - 100%.	6/19/2009	6/19/2010
YC99048	MGK	218	Micron Eviro Systems Unc. - 100%.	6/19/2009	6/19/2010
YC99049	MGK	219	Micron Eviro Systems Unc. - 100%.	6/19/2009	6/19/2010
YC99050	MGK	220	Micron Eviro Systems Unc. - 100%.	6/19/2009	6/19/2010
YC99051	MGK	221	Micron Eviro Systems Unc. - 100%.	6/19/2009	6/19/2010
YC99052	MGK	222	Micron Eviro Systems Unc. - 100%.	6/19/2009	6/19/2010
YC99053	MGK	223	Micron Eviro Systems Unc. - 100%.	6/19/2009	6/19/2010

### East Block (Whitehorse Mining District)

GrantNumber	ClaimName	ClaimNbr	ClaimOwner	Record Date	ClaimExpiryDate
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YD06124	MGK	904	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06125	MGK	905	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06126	MGK	906	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06127	MGK	907	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06128	MGK	908	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06129	MGK	909	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06130	MGK	910	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06131	MGK	911	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06132	MGK	912	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06133	MGK	913	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06134	MGK	914	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06135	MGK	915	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06136	MGK	916	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06137	MGK	917	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06138	MGK	918	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06139	MGK	919	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06140	MGK	920	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06141	MGK	921	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06142	MGK	922	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06143	MGK	923	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06144	MGK	924	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06145	MGK	925	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06366	MGK	926	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06367	MGK	927	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06368	MGK	928	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06369	MGK	929	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06370	MGK	930	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06371	MGK	931	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06372	MGK	932	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06373	MGK	933	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06374	MGK	934	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06375	MGK	935	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06376	MGK	936	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06377	MGK	937	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06378	MGK	938	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06379	MGK	939	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06380	MGK	940	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06381	MGK	941	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06382	MGK	942	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06383	MGK	943	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06384	MGK	944	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06385	MGK	945	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06386	MGK	946	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06387	MGK	947	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06388	MGK	948	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06389	MGK	949	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06390	MGK	950	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06391	MGK	951	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06392	MGK	952	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06393	MGK	953	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06394	MGK	954	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010





YD06446	MGK	1006	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06447	MGK	1007	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06448	MGK	1008	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06449	MGK	1009	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06450	MGK	1010	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06451	MGK	1011	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06452	MGK	1012	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06453	MGK	1013	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06454	MGK	1014	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06455	MGK	1015	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06456	MGK	1016	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06457	MGK	1017	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06458	MGK	1018	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06459	MGK	1019	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06460	MGK	1020	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06461	MGK	1021	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06462	MGK	1022	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06463	MGK	1023	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06464	MGK	1024	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06465	MGK	1025	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06466	MGK	1026	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06467	MGK	1027	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06468	MGK	1028	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06469	MGK	1029	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06470	MGK	1030	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06471	MGK	1031	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06472	MGK	1032	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06473	MGK	1033	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06474	MGK	1034	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06475	MGK	1035	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06476	MGK	1036	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06477	MGK	1037	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06478	MGK	1038	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06479	MGK	1039	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06480	MGK	1040	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06481	MGK	1041	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06482	MGK	1042	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06483	MGK	1043	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06484	MGK	1044	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06485	MGK	1045	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06486	MGK	1046	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06487	MGK	1047	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06488	MGK	1048	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06489	MGK	1049	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YD06490	MGK	1050	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06491	MGK	1051	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06492	MGK	1052	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06493	MGK	1053	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06494	MGK	1054	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06495	MGK	1055	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YD06496	MGK	1056	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010

YD06497	MGK	1057	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06498	MGK	1058	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06499	MGK	1059	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YD06500	MGK	1060	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91501	MGK	1061	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91502	MGK	1062	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91503	MGK	1063	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91504	MGK	1064	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91505	MGK	1065	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91506	MGK	1066	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91507	MGK	1067	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91508	MGK	1068	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91509	MGK	1069	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91510	MGK	1070	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91511	MGK	1071	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91512	MGK	1072	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91513	MGK	1073	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91514	MGK	1074	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91515	MGK	1075	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91516	MGK	1076	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91517	MGK	1077	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91518	MGK	1078	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91519	MGK	1079	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91520	MGK	1080	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91521	MGK	1081	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91522	MGK	1082	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91523	MGK	1083	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91524	MGK	1084	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91525	MGK	1085	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91526	MGK	1086	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YC91527	MGK	1087	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YC91528	MGK	1088	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YC91529	MGK	1089	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YC91530	MGK	1090	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YC91531	MGK	1091	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YC91532	MGK	1092	0859842 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91533	MGK	1093	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91534	MGK	1094	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91535	MGK	1095	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91536	MGK	1096	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91537	MGK	1097	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91538	MGK	1098	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91539	MGK	1099	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91540	MGK	1100	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91541	MGK	1101	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91542	MGK	1102	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91543	MGK	1103	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91544	MGK	1104	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91545	MGK	1105	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91546	MGK	1106	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91547	MGK	1107	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010

YC91548	MGK	1108	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91549	MGK	1109	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91550	MGK	1110	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91551	MGK	1111	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91552	MGK	1112	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91553	MGK	1113	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91554	MGK	1114	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91555	MGK	1115	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91556	MGK	1116	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91557	MGK	1117	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91558	MGK	1118	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91559	MGK	1119	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91560	MGK	1120	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91561	MGK	1121	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91562	MGK	1122	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YC91563	MGK	1123	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YC91564	MGK	1124	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YC91565	MGK	1125	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YC91566	MGK	1126	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YC91567	MGK	1127	Habanero Resources Inc. - 100%.	7/3/2009	7/3/2010
YC91568	MGK	1128	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91569	MGK	1129	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91570	MGK	1130	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91571	MGK	1131	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91572	MGK	1132	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91573	MGK	1133	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91574	MGK	1134	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91575	MGK	1135	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91576	MGK	1136	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91577	MGK	1137	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91578	MGK	1138	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91579	MGK	1139	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91580	MGK	1140	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91581	MGK	1141	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91582	MGK	1142	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91583	MGK	1143	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91584	MGK	1144	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91585	MGK	1145	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91586	MGK	1146	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91587	MGK	1147	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91588	MGK	1148	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91589	MGK	1149	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91590	MGK	1150	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91591	MGK	1151	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91592	MGK	1152	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91593	MGK	1153	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91594	MGK	1154	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91595	MGK	1155	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91596	MGK	1156	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91597	MGK	1157	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91598	MGK	1158	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010

YC91599	MGK	1159	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91600	MGK	1160	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91601	MGK	1161	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91602	MGK	1162	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91603	MGK	1163	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91604	MGK	1164	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91605	MGK	1165	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91606	MGK	1166	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91607	MGK	1167	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91608	MGK	1168	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91609	MGK	1169	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91610	MGK	1170	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91611	MGK	1171	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91612	MGK	1172	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91613	MGK	1173	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91614	MGK	1174	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91615	MGK	1175	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91616	MGK	1176	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91617	MGK	1177	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91618	MGK	1178	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91619	MGK	1179	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91620	MGK	1180	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91621	MGK	1181	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91622	MGK	1182	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91623	MGK	1183	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91624	MGK	1184	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91625	MGK	1185	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91626	MGK	1186	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91627	MGK	1187	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91628	MGK	1188	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91629	MGK	1189	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91630	MGK	1190	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91631	MGK	1191	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91632	MGK	1192	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91633	MGK	1193	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91634	MGK	1194	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91635	MGK	1195	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91636	MGK	1196	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91637	MGK	1197	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91638	MGK	1198	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91639	MGK	1199	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91640	MGK	1200	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91641	MGK	1201	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91642	MGK	1202	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91643	MGK	1203	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91644	MGK	1204	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91645	MGK	1205	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91646	MGK	1206	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91647	MGK	1207	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91648	MGK	1208	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91649	MGK	1209	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010

YC91650	MGK	1210	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91651	MGK	1211	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91652	MGK	1212	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91653	MGK	1213	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91654	MGK	1214	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91655	MGK	1215	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91656	MGK	1216	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91657	MGK	1217	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91658	MGK	1218	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91659	MGK	1219	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91660	MGK	1220	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91661	MGK	1221	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91662	MGK	1222	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91663	MGK	1223	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91664	MGK	1224	MGK Consulting Inc. - 100%.	7/3/2009	7/3/2010
YC91665	MGK	1225	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91666	MGK	1226	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91667	MGK	1227	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91668	MGK	1228	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91669	MGK	1229	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91670	MGK	1230	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91671	MGK	1231	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91672	MGK	1232	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91673	MGK	1233	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91674	MGK	1234	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91675	MGK	1235	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91676	MGK	1236	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91677	MGK	1237	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91678	MGK	1238	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91679	MGK	1239	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91680	MGK	1240	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91681	MGK	1241	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91682	MGK	1242	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91683	MGK	1243	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91684	MGK	1244	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91685	MGK	1245	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91686	MGK	1246	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91687	MGK	1247	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91688	MGK	1248	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91689	MGK	1249	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91690	MGK	1250	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91691	MGK	1251	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91692	MGK	1252	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91693	MGK	1253	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91694	MGK	1254	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91695	MGK	1255	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91696	MGK	1256	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91697	MGK	1257	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91698	MGK	1258	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91699	MGK	1259	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91700	MGK	1260	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010

YC91701	MGK	1261	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91702	MGK	1262	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91703	MGK	1263	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91704	MGK	1264	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91705	MGK	1265	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91706	MGK	1266	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91707	MGK	1267	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91708	MGK	1268	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91709	MGK	1269	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91710	MGK	1270	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91711	MGK	1271	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91712	MGK	1272	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91713	MGK	1273	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91714	MGK	1274	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91715	MGK	1275	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91716	MGK	1276	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91717	MGK	1277	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91718	MGK	1278	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91719	MGK	1279	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91720	MGK	1280	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91721	MGK	1281	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91722	MGK	1282	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91723	MGK	1283	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91724	MGK	1284	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91725	MGK	1285	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91726	MGK	1286	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91727	MGK	1287	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91728	MGK	1288	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91729	MGK	1289	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91730	MGK	1290	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91731	MGK	1291	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91732	MGK	1292	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91733	MGK	1293	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91734	MGK	1294	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91735	MGK	1295	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91736	MGK	1296	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91737	MGK	1297	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91738	MGK	1298	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91739	MGK	1299	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91740	MGK	1300	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91741	MGK	1301	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91742	MGK	1302	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91743	MGK	1303	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91744	MGK	1304	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91745	MGK	1305	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91746	MGK	1306	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91747	MGK	1307	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91748	MGK	1308	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91749	MGK	1309	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91750	MGK	1310	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91751	MGK	1311	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010

YC91752	MGK	1312	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91753	MGK	1313	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91754	MGK	1314	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91755	MGK	1315	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YD07526	MGK	1316	Denis Jacob - 100%.	10/22/2009	10/22/2010
YC91757	MGK	1317	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91758	MGK	1318	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91759	MGK	1319	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91760	MGK	1320	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91761	MGK	1321	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91762	MGK	1322	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91763	MGK	1323	Rostock Ventures Corp - 100%.	7/3/2009	7/3/2010
YC91776	MGK	1336	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91777	MGK	1337	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91778	MGK	1338	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91779	MGK	1339	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91780	MGK	1340	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91781	MGK	1341	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91782	MGK	1342	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91783	MGK	1343	0854508 BC Ltd - 100%.	7/3/2009	7/3/2010
YC91784	MGK	1344	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010
YC91785	MGK	1345	0854511 BC Ltd. - 100%.	7/3/2009	7/3/2010



**Appendix D: Certificates of Analysis (Soil Samples)**



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Finalized Date: 17-OCT-2009

This copy reported on 22-OCT-2009

Account: EIA

## CERTIFICATE VA09111201

Project: HAO09-01

P.O. No.: HAO09-01

This report is for 180 Soil samples submitted to our lab in Vancouver, BC, Canada on 6-OCT-2009.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL  
NEIL PERK

HENRY AWMACK

MURRAY JONES

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-24	Pulp Login - Rcd w/o Barcode
SCR-41	Screen to -180um and save both
LOG-22d	Sample login - Rcd w/o BarCode dup
SCR-41d	Screen to -100um, save both

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.

ATTN: NEIL PERK

700 - 700 PENDER ST.

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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## CERTIFICATE OF ANALYSIS VA09111201

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003001		0.26	0.005	<0.2	1.48	6	<10	90	<0.5	<2	0.12	<0.5	6	52	25	2.78
E003002		0.18	0.023	<0.2	0.81	2	<10	60	<0.5	<2	0.11	<0.5	3	26	12	1.52
E003003		0.12	0.005	<0.2	0.35	<2	<10	40	<0.5	<2	0.06	<0.5	1	9	5	0.61
E003004		0.14	0.006	<0.2	1.03	5	<10	80	<0.5	<2	0.14	<0.5	5	32	19	1.83
E003005		0.16	<0.005	<0.2	0.31	<2	<10	30	<0.5	<2	0.06	<0.5	1	5	2	0.56
E003006		0.18	<0.005	<0.2	1.87	5	<10	100	<0.5	<2	0.20	<0.5	10	39	22	2.76
E003007		0.16	<0.005	0.2	0.95	4	<10	130	<0.5	<2	0.14	<0.5	2	16	20	1.52
E003008		0.22	0.005	<0.2	2.46	8	<10	150	<0.5	<2	0.15	<0.5	10	46	24	4.06
E003009		0.24	<0.005	<0.2	2.51	3	<10	110	<0.5	<2	0.17	<0.5	12	110	30	3.68
E003010		0.16	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.02
E003011		0.26	0.017	<0.2	2.09	3	<10	120	<0.5	<2	0.21	<0.5	11	101	20	2.69
E003012		0.32	0.006	<0.2	2.60	8	<10	110	<0.5	<2	0.15	<0.5	9	51	11	3.56
E003013		0.16	0.005	<0.2	2.16	4	<10	120	<0.5	<2	0.16	<0.5	15	102	24	3.33
E003014		0.24	<0.005	<0.2	2.11	5	<10	180	<0.5	<2	0.66	<0.5	11	61	25	2.63
E003015		0.30	<0.005	<0.2	2.11	9	<10	130	<0.5	<2	0.16	<0.5	11	56	29	3.14
E003016		0.22	<0.005	<0.2	0.92	<2	<10	20	<0.5	<2	0.04	<0.5	12	319	49	1.42
E003017		0.16	<0.005	0.2	1.63	7	<10	120	<0.5	<2	0.15	<0.5	12	47	14	2.88
E003018		0.14	<0.005	<0.2	0.80	6	<10	120	<0.5	<2	0.15	<0.5	4	25	16	1.77
E003019		0.20	<0.005	<0.2	1.46	6	<10	110	<0.5	<2	0.09	<0.5	8	31	14	3.17
E003020		0.20	<0.005	<0.2	1.92	7	<10	120	<0.5	<2	0.11	<0.5	9	38	16	3.53
E003021		0.28	<0.005	<0.2	1.80	8	<10	160	<0.5	<2	0.42	<0.5	8	32	19	2.65
E003022		0.20	<0.005	<0.2	2.33	12	<10	150	<0.5	<2	0.14	<0.5	9	37	16	3.81
E003023		0.20	<0.005	<0.2	2.47	11	<10	150	<0.5	<2	0.16	<0.5	10	44	22	3.46
E003024		0.20	<0.005	<0.2	1.05	6	<10	80	<0.5	<2	0.11	<0.5	3	24	9	1.84
E003025		0.26	<0.005	<0.2	1.21	4	<10	70	<0.5	<2	0.06	<0.5	3	19	7	1.73
E003026		0.26	<0.005	0.2	2.16	10	<10	120	<0.5	<2	0.09	<0.5	9	69	19	3.50
E003027		0.24	0.010	<0.2	0.18	<2	<10	20	<0.5	<2	0.03	<0.5	<1	4	2	0.32
E003028		0.26	<0.005	0.2	1.90	6	<10	90	<0.5	<2	0.10	<0.5	7	30	19	3.26
E003029		0.24	0.009	<0.2	2.15	10	<10	140	<0.5	2	0.24	<0.5	14	151	53	3.57
E003030		<0.02	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
E003031		0.32	<0.005	<0.2	2.08	9	<10	90	<0.5	<2	0.15	<0.5	8	57	22	3.15
E003032		0.24	<0.005	<0.2	1.35	4	<10	40	<0.5	<2	0.11	<0.5	5	25	11	2.83
E003033		0.24	<0.005	0.4	0.97	4	<10	100	<0.5	<2	0.18	<0.5	7	29	27	2.25
E003034		0.18	<0.005	0.2	1.67	5	<10	180	<0.5	<2	0.22	<0.5	11	38	24	3.67
E003035		0.28	<0.005	0.2	1.72	7	<10	150	<0.5	<2	0.32	<0.5	7	27	15	2.61
E003036		0.26	<0.005	0.2	1.55	34	<10	140	<0.5	<2	0.28	<0.5	7	38	19	2.66
E003037		0.16	<0.005	<0.2	0.41	3	<10	50	<0.5	<2	0.05	<0.5	1	8	4	0.70
E003038		0.26	<0.005	0.2	1.95	5	<10	180	<0.5	<2	0.15	<0.5	13	38	13	3.33
E003039		0.28	<0.005	0.2	1.36	8	<10	120	<0.5	<2	0.10	<0.5	6	65	10	2.66
E003040		0.20	<0.005	0.2	1.59	9	<10	110	<0.5	<2	0.11	<0.5	6	92	11	2.88



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Account: EIA

Project: HAO09-01

## CERTIFICATE OF ANALYSIS VA09111201

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003001		10	1	0.04	10	0.44	160	1	0.01	33	320	6	0.03	<2	2	13
E003002		<10	<1	0.04	<10	0.22	93	1	0.02	15	320	2	0.03	<2	1	11
E003003		<10	<1	0.02	<10	0.08	40	<1	0.02	5	290	<2	0.02	<2	<1	7
E003004		10	1	0.04	10	0.30	120	1	0.01	17	450	5	0.03	<2	1	14
E003005		<10	<1	0.02	<10	0.04	21	<1	0.02	2	290	<2	0.02	<2	<1	7
E003006		10	<1	0.03	10	0.50	215	1	0.01	29	460	5	0.03	<2	2	15
E003007		10	1	0.02	<10	0.08	37	1	0.02	10	790	6	0.05	<2	<1	18
E003008		10	1	0.05	10	0.51	219	1	0.01	30	350	7	0.03	<2	4	15
E003009		10	1	0.04	<10	1.15	328	<1	0.01	57	300	4	0.02	<2	2	14
E003010		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.01	<2	<1	1
E003011		10	1	0.04	10	0.98	292	<1	0.01	54	260	4	0.02	<2	3	16
E003012		10	1	0.04	10	0.61	253	<1	0.01	26	290	8	0.03	<2	3	14
E003013		10	<1	0.04	10	0.80	384	1	0.01	62	250	6	0.02	<2	3	19
E003014		10	<1	0.03	10	0.68	439	1	0.02	40	420	4	0.03	<2	3	62
E003015		10	<1	0.04	10	0.71	220	<1	0.01	36	210	10	0.03	<2	5	14
E003016		10	<1	0.01	<10	1.12	67	<1	0.01	300	170	4	0.03	<2	1	4
E003017		10	<1	0.03	<10	0.36	260	1	0.02	31	280	9	0.03	<2	2	12
E003018		<10	<1	0.04	<10	0.25	189	1	0.01	17	250	6	0.03	<2	1	13
E003019		10	<1	0.04	10	0.41	204	1	0.01	19	270	8	0.03	<2	2	9
E003020		10	<1	0.04	10	0.50	222	1	0.01	23	280	8	0.03	2	2	10
E003021		<10	<1	0.04	10	0.44	249	<1	0.02	21	330	7	0.03	<2	3	26
E003022		10	<1	0.04	10	0.47	223	1	0.01	21	430	10	0.03	<2	3	14
E003023		10	<1	0.04	10	0.54	282	1	0.01	28	410	9	0.03	<2	3	14
E003024		10	<1	0.03	10	0.26	111	<1	0.01	11	180	8	0.02	<2	2	11
E003025		<10	<1	0.04	10	0.26	117	<1	0.01	9	150	7	0.02	<2	2	6
E003026		10	<1	0.04	10	0.56	290	1	0.01	33	200	10	0.03	<2	3	9
E003027		<10	<1	0.02	<10	0.02	18	<1	0.02	1	100	2	0.02	<2	<1	4
E003028		10	<1	0.04	10	0.42	167	<1	0.01	20	190	9	0.02	<2	4	10
E003029		10	<1	0.08	10	1.45	194	1	0.01	118	270	4	0.04	<2	4	16
E003030		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
E003031		<10	<1	0.05	10	0.65	214	<1	0.01	28	270	6	0.03	<2	3	12
E003032		10	<1	0.04	10	0.49	156	<1	0.01	15	230	7	0.03	<2	2	9
E003033		<10	<1	0.02	<10	0.26	238	<1	0.02	20	250	3	0.03	<2	2	12
E003034		10	<1	0.03	10	0.46	302	1	0.02	35	240	8	0.03	<2	3	18
E003035		10	<1	0.03	10	0.44	153	<1	0.01	18	340	7	0.03	<2	3	21
E003036		10	<1	0.03	10	0.51	185	<1	0.02	22	210	6	0.03	<2	3	21
E003037		<10	<1	0.02	<10	0.05	23	<1	0.02	3	210	3	0.03	<2	<1	7
E003038		10	<1	0.04	10	0.45	406	<1	0.01	20	270	9	0.03	<2	2	13
E003039		<10	<1	0.03	<10	0.43	890	<1	0.01	22	270	6	0.02	<2	2	8
E003040		10	<1	0.03	<10	0.57	623	<1	0.01	29	240	5	0.02	2	3	9



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<b>CERTIFICATE OF ANALYSIS VA09111201</b>
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Ti	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
E003001		<20	0.11	<10	<10	79	<10	34
E003002		<20	0.07	<10	<10	52	<10	22
E003003		<20	0.01	<10	<10	16	<10	10
E003004		<20	0.06	<10	<10	52	<10	27
E003005		<20	0.02	<10	<10	13	<10	6
E003006		<20	0.09	<10	<10	69	<10	38
E003007		<20	0.01	<10	<10	39	<10	12
E003008		<20	0.13	<10	<10	98	<10	44
E003009		<20	0.23	<10	<10	82	<10	65
E003010		<20	<0.01	<10	<10	<1	<10	3
E003011		<20	0.13	<10	<10	62	<10	45
E003012		<20	0.12	<10	<10	75	<10	43
E003013		<20	0.11	<10	<10	80	<10	57
E003014		<20	0.08	<10	<10	60	<10	38
E003015		<20	0.06	<10	<10	63	<10	46
E003016		<20	0.06	<10	<10	39	<10	14
E003017		<20	0.08	<10	<10	67	<10	37
E003018		<20	0.08	<10	<10	49	<10	26
E003019		<20	0.12	<10	<10	72	<10	47
E003020		<20	0.11	<10	<10	77	<10	55
E003021		<20	0.08	<10	<10	63	<10	39
E003022		<20	0.09	<10	<10	81	<10	45
E003023		<20	0.09	<10	<10	79	<10	44
E003024		<20	0.09	<10	<10	61	<10	24
E003025		<20	0.06	<10	<10	38	<10	20
E003026		<20	0.11	<10	<10	83	<10	34
E003027		<20	0.02	<10	<10	9	<10	4
E003028		<20	0.08	<10	<10	78	<10	35
E003029		<20	0.15	<10	<10	77	<10	50
E003030		NSS	NSS	NSS	NSS	NSS	NSS	NSS
E003031		<20	0.10	<10	<10	63	<10	51
E003032		<20	0.15	<10	<10	76	<10	36
E003033		<20	0.11	<10	<10	55	<10	28
E003034		<20	0.09	<10	<10	82	<10	81
E003035		<20	0.08	<10	<10	66	<10	32
E003036		<20	0.10	<10	<10	74	<10	37
E003037		<20	0.02	<10	<10	16	<10	6
E003038		<20	0.08	<10	<10	81	<10	45
E003039		<20	0.08	<10	<10	61	<10	38
E003040		<20	0.08	<10	<10	62	<10	40



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## CERTIFICATE OF ANALYSIS VA09111201

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003041		0.12	<0.005	<0.2	0.45	4	<10	200	<0.5	<2	3.67	<0.5	5	10	17	0.66
E003042		0.22	<0.005	0.2	0.84	<2	<10	70	<0.5	<2	0.11	<0.5	2	12	8	1.38
E003043		0.24	<0.005	0.2	1.45	9	<10	100	<0.5	<2	0.10	<0.5	5	24	10	3.08
E003044		0.18	<0.005	0.2	0.70	7	<10	80	<0.5	<2	0.10	<0.5	1	14	6	1.18
E003045		0.26	<0.005	<0.2	2.41	9	<10	190	<0.5	<2	0.13	<0.5	11	54	16	3.71
E003046		0.30	<0.005	<0.2	1.91	12	<10	140	<0.5	<2	0.10	<0.5	7	31	11	3.77
E003047		0.26	<0.005	<0.2	1.52	3	<10	110	<0.5	<2	0.25	<0.5	7	201	6	1.78
E003048		0.16	<0.005	0.2	1.72	17	<10	290	0.9	<2	1.18	<0.5	8	35	39	2.51
E003049		0.18	<0.005	0.5	2.05	34	<10	470	0.6	<2	0.60	<0.5	21	30	26	3.00
E003050		0.20	0.005	<0.2	0.02	<2	<10	10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.03
E003051		0.16	0.035	<0.2	0.72	4	<10	60	<0.5	<2	0.14	<0.5	4	13	17	1.14
E003052		0.28	0.006	<0.2	1.33	7	<10	70	<0.5	<2	0.14	<0.5	6	26	28	2.26
E003053		0.26	<0.005	<0.2	2.10	8	<10	130	<0.5	<2	0.09	<0.5	6	25	15	2.87
E003054		0.24	<0.005	<0.2	2.09	9	<10	170	<0.5	<2	0.12	<0.5	8	33	16	3.33
E003055		0.32	<0.005	<0.2	1.97	37	<10	130	<0.5	<2	0.13	<0.5	9	47	21	3.66
E003056		0.26	<0.005	<0.2	1.69	6	<10	120	<0.5	<2	0.08	<0.5	7	35	17	2.85
E003057		0.30	<0.005	<0.2	2.33	8	<10	180	<0.5	<2	0.12	<0.5	10	58	24	3.35
E003058		0.20	<0.005	<0.2	1.39	2	<10	130	<0.5	<2	0.16	<0.5	5	24	18	2.08
E003059		0.26	<0.005	<0.2	1.16	8	<10	110	<0.5	<2	0.13	<0.5	5	24	22	2.65
E003060		0.26	0.005	<0.2	1.33	11	<10	110	<0.5	<2	0.15	<0.5	7	30	24	3.09
E003061		0.18	0.012	<0.2	1.03	8	<10	90	<0.5	<2	0.11	<0.5	9	23	15	2.38
E003062		0.24	<0.005	<0.2	1.71	7	<10	100	<0.5	<2	0.11	<0.5	7	27	9	2.96
E003063		0.28	0.005	<0.2	2.10	7	<10	110	<0.5	<2	0.12	<0.5	9	40	20	3.68
E003064		0.30	<0.005	<0.2	2.60	7	<10	160	<0.5	<2	0.14	<0.5	11	54	67	4.77
E003065		0.22	<0.005	0.2	1.63	6	<10	160	<0.5	<2	0.19	<0.5	14	31	32	3.15
E003066		0.18	0.016	<0.2	1.34	4	<10	200	<0.5	<2	0.16	<0.5	6	23	16	2.36
E003067		0.18	0.010	<0.2	0.31	<2	<10	50	<0.5	<2	0.07	<0.5	1	7	8	0.62
E003068		0.22	0.005	<0.2	1.84	6	<10	160	<0.5	<2	0.14	<0.5	11	59	24	3.27
E003069		0.26	<0.005	<0.2	1.76	8	<10	170	<0.5	<2	0.19	<0.5	8	33	28	2.79
E003070		Not Recvd														
E003071		0.26	<0.005	<0.2	2.67	10	<10	150	0.5	<2	0.15	<0.5	11	39	23	3.30
E003072		0.20	0.006	<0.2	0.49	<2	<10	60	<0.5	<2	0.14	<0.5	2	12	12	0.82
E003073		0.22	0.010	<0.2	1.53	2	<10	200	<0.5	<2	0.43	<0.5	11	39	29	2.08
E003074		0.24	0.014	<0.2	1.26	4	<10	130	<0.5	<2	0.15	<0.5	9	24	19	2.36
E003075		0.26	0.005	<0.2	1.92	9	<10	230	<0.5	<2	0.25	<0.5	11	32	19	3.04
E003076		0.22	<0.005	<0.2	1.55	7	<10	170	<0.5	<2	0.14	<0.5	9	24	13	2.45
E003077		0.26	<0.005	<0.2	1.75	5	<10	210	<0.5	<2	0.27	<0.5	12	40	26	2.91
E003078		0.30	<0.005	<0.2	1.59	8	<10	190	<0.5	<2	0.17	<0.5	7	32	17	2.75
E003079		0.16	0.009	0.3	1.17	<2	<10	210	<0.5	<2	0.24	<0.5	34	26	31	1.93
E003080		0.22	<0.005	0.3	1.28	2	<10	170	<0.5	<2	0.26	<0.5	17	34	35	2.15



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
E003041		<10	<1	0.02	<10	0.09	955	<1	0.03	9	960	2	0.20	2	1	216
E003042		<10	<1	0.02	<10	0.16	75	<1	0.01	5	150	5	0.03	<2	2	10
E003043		10	<1	0.03	10	0.30	133	<1	0.01	10	460	9	0.03	2	2	10
E003044		<10	<1	0.02	10	0.07	30	<1	0.01	3	420	7	0.04	<2	<1	11
E003045		10	<1	0.03	10	0.53	420	1	0.01	28	260	11	0.02	<2	3	14
E003046		10	<1	0.04	10	0.49	252	1	0.01	14	450	9	0.02	<2	3	11
E003047		10	<1	0.03	10	1.11	130	<1	0.01	70	110	6	0.02	<2	3	18
E003048		10	<1	0.02	30	0.35	259	<1	0.02	31	520	7	0.06	<2	3	87
E003049		10	<1	0.03	20	0.31	662	<1	0.03	21	650	19	0.06	2	3	53
E003050		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.03	2	<1	<1
E003051		<10	<1	0.04	<10	0.20	78	1	0.01	8	280	8	0.03	<2	1	13
E003052		<10	<1	0.04	10	0.40	140	1	0.01	14	380	7	0.01	2	3	10
E003053		10	<1	0.05	10	0.45	226	1	0.01	16	280	12	0.02	2	2	10
E003054		10	<1	0.03	10	0.42	213	1	0.01	21	180	10	0.01	<2	3	13
E003055		10	<1	0.04	10	0.60	268	1	0.01	28	210	10	0.01	<2	4	14
E003056		10	<1	0.02	<10	0.36	283	1	0.01	20	230	8	0.02	<2	2	10
E003057		10	<1	0.03	10	0.70	274	1	0.01	41	190	9	0.01	2	4	13
E003058		10	<1	0.02	10	0.22	110	1	0.01	13	420	7	0.02	<2	1	19
E003059		10	<1	0.02	10	0.20	163	1	0.01	31	430	9	0.01	2	2	11
E003060		10	<1	0.02	10	0.30	179	1	0.01	47	460	10	0.01	2	2	12
E003061		<10	<1	0.02	<10	0.22	377	1	0.01	38	480	7	0.02	2	1	11
E003062		10	<1	0.03	10	0.37	156	1	0.01	14	380	10	0.02	<2	2	12
E003063		10	<1	0.03	10	0.53	262	1	0.01	28	250	9	0.02	<2	3	13
E003064		10	<1	0.20	10	1.11	393	2	0.01	32	400	7	0.10	<2	2	23
E003065		10	<1	0.03	<10	0.34	473	1	0.01	31	320	10	0.02	<2	2	18
E003066		10	<1	0.02	<10	0.21	183	1	0.01	13	290	8	0.02	<2	2	20
E003067		<10	<1	0.02	<10	0.04	35	<1	0.01	4	180	2	0.01	<2	<1	9
E003068		10	<1	0.03	<10	0.46	185	1	0.01	34	260	9	0.02	<2	2	13
E003069		10	<1	0.03	10	0.54	176	1	0.01	20	390	7	0.02	2	2	14
E003070																
E003071		10	<1	0.04	10	0.50	227	1	0.01	28	300	9	0.02	2	4	14
E003072		<10	<1	0.02	<10	0.11	47	1	0.01	7	230	5	0.02	<2	<1	12
E003073		10	<1	0.03	10	0.54	439	<1	0.02	27	750	7	0.03	<2	3	24
E003074		10	<1	0.04	10	0.30	269	1	0.02	18	290	7	0.02	<2	2	15
E003075		10	<1	0.04	10	0.49	241	1	0.01	24	490	8	0.02	<2	2	21
E003076		10	<1	0.04	10	0.31	316	1	0.01	13	250	8	0.01	<2	2	14
E003077		10	1	0.04	10	0.58	363	1	0.01	29	410	8	0.02	<2	3	18
E003078		10	<1	0.04	10	0.45	261	1	0.01	18	330	9	0.02	<2	2	15
E003079		10	<1	0.04	10	0.33	2320	1	0.02	21	600	7	0.04	<2	2	21
E003080		10	<1	0.03	10	0.45	949	1	0.02	30	630	4	0.02	<2	2	18



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
E003041		<20	0.02	<10	<10	12	<10	15
E003042		<20	0.06	<10	<10	47	<10	14
E003043		<20	0.11	<10	<10	80	<10	29
E003044		<20	0.02	<10	<10	38	<10	10
E003045		<20	0.09	<10	<10	91	<10	63
E003046		<20	0.10	<10	<10	76	<10	47
E003047		<20	0.11	<10	<10	55	<10	30
E003048		<20	0.04	<10	<10	50	<10	34
E003049		<20	0.05	<10	<10	61	<10	40
E003050		<20	<0.01	<10	<10	<1	<10	2
E003051		<20	0.07	<10	<10	46	<10	21
E003052		<20	0.07	<10	<10	59	<10	29
E003053		<20	0.08	<10	<10	58	<10	47
E003054		<20	0.10	<10	<10	81	<10	45
E003055		<20	0.13	<10	<10	91	<10	47
E003056		<20	0.09	<10	<10	67	<10	41
E003057		<20	0.09	<10	<10	74	<10	46
E003058		<20	0.05	<10	<10	52	<10	22
E003059		<20	0.13	<10	<10	75	<10	28
E003060		<20	0.16	<10	<10	82	<10	35
E003061		<20	0.07	<10	<10	57	<10	29
E003062		<20	0.07	<10	<10	60	<10	37
E003063		<20	0.12	<10	<10	80	<10	54
E003064		<20	0.21	<10	<10	65	<10	79
E003065		<20	0.10	<10	<10	65	<10	49
E003066		<20	0.07	<10	<10	61	<10	28
E003067		<20	0.03	<10	<10	18	<10	9
E003068		<20	0.09	<10	<10	71	<10	49
E003069		<20	0.08	<10	<10	61	<10	36
E003070								
E003071		<20	0.09	<10	<10	76	<10	54
E003072		<20	0.03	<10	<10	24	<10	13
E003073		<20	0.06	<10	<10	53	<10	33
E003074		<20	0.09	<10	<10	61	<10	31
E003075		<20	0.08	<10	<10	64	<10	45
E003076		<20	0.08	<10	<10	59	<10	32
E003077		<20	0.11	<10	<10	68	<10	40
E003078		<20	0.09	<10	<10	72	<10	41
E003079		<20	0.07	<10	<10	48	<10	31
E003080		<20	0.09	<10	<10	51	<10	35





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Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003081		0.26	<0.005	<0.2	2.08	7	<10	140	<0.5	<2	0.13	<0.5	21	40	31	2.97
E003082		0.22	<0.005	<0.2	1.05	3	<10	110	<0.5	<2	0.16	<0.5	6	23	16	1.78
E003083		0.18	0.016	0.2	1.76	6	<10	160	<0.5	<2	0.21	<0.5	9	37	32	2.59
E003084		0.22	<0.005	<0.2	2.27	6	<10	240	<0.5	<2	0.24	<0.5	20	54	40	2.81
E003085		0.24	0.012	<0.2	1.27	8	<10	100	<0.5	<2	0.15	<0.5	6	32	16	2.41
E003086		0.24	<0.005	<0.2	2.16	5	<10	170	<0.5	<2	0.15	<0.5	13	51	21	3.69
E003087		0.28	0.007	<0.2	1.18	7	<10	130	<0.5	<2	0.19	<0.5	4	30	14	2.04
E003088		0.26	<0.005	<0.2	0.43	<2	<10	60	<0.5	<2	0.07	<0.5	1	11	11	0.69
E003089		0.18	<0.005	0.2	2.23	11	<10	210	0.6	<2	0.39	0.5	13	29	18	3.01
E003090		0.14	0.007	<0.2	0.01	<2	<10	10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.02
E003091		0.18	0.017	<0.2	0.90	47	<10	60	<0.5	<2	0.13	<0.5	5	20	34	2.28
E003092		0.16	0.009	0.3	1.37	8	<10	220	<0.5	<2	1.01	0.6	8	23	43	2.03
E003093		0.18	<0.005	0.3	1.29	3	<10	160	0.5	<2	0.24	1.2	9	24	52	1.98
E003094		0.18	0.005	<0.2	0.87	3	<10	70	<0.5	<2	0.13	0.5	4	20	13	1.32
E003095		0.14	0.010	0.2	1.73	3	<10	270	0.8	<2	0.67	<0.5	10	28	35	2.10
E003096		0.14	0.005	<0.2	1.53	5	<10	110	<0.5	<2	0.32	<0.5	8	34	23	2.02
E003097		0.16	<0.005	0.3	1.50	3	<10	140	<0.5	<2	0.36	0.7	21	35	44	2.06
E003098		0.24	<0.005	<0.2	1.53	<2	<10	150	<0.5	<2	0.29	<0.5	9	35	15	1.83
E003099		0.28	<0.005	<0.2	1.91	3	<10	150	<0.5	<2	0.28	<0.5	10	51	21	2.63
E003100		0.26	<0.005	<0.2	1.84	4	<10	140	<0.5	<2	0.27	<0.5	10	47	20	2.56
E003101		0.16	<0.005	<0.2	0.48	<2	<10	70	<0.5	<2	0.12	<0.5	2	13	14	0.73
E003102		0.18	0.009	0.2	0.42	<2	<10	60	<0.5	<2	0.10	<0.5	3	12	11	0.80
E003103		0.22	<0.005	<0.2	2.15	5	<10	150	<0.5	<2	0.33	<0.5	10	95	21	2.52
E003104		0.16	<0.005	0.3	1.37	<2	<10	120	<0.5	<2	0.20	<0.5	4	75	38	1.97
E003105		0.30	0.005	<0.2	2.00	5	<10	140	<0.5	<2	0.23	<0.5	13	73	37	2.72
E003106		0.22	<0.005	0.2	1.03	4	<10	80	<0.5	<2	0.13	<0.5	4	39	29	1.43
E003107		0.16	0.010	<0.2	1.02	<2	<10	80	<0.5	<2	0.16	<0.5	4	39	25	1.43
E003108		0.30	<0.005	<0.2	2.07	5	<10	90	<0.5	<2	0.13	<0.5	9	86	32	2.86
E003109		0.28	0.023	<0.2	2.45	10	<10	110	<0.5	<2	0.18	0.6	16	77	143	3.17
E003110		Not Recvd														
E003111		0.36	<0.005	0.2	2.04	4	<10	110	<0.5	<2	0.16	<0.5	10	65	51	2.59
E003112		0.30	<0.005	<0.2	2.08	5	<10	100	<0.5	<2	0.32	<0.5	13	160	33	2.43
E003113		0.22	<0.005	<0.2	1.94	3	<10	140	<0.5	<2	0.23	<0.5	9	78	31	2.61
E003114		0.34	<0.005	<0.2	1.98	6	<10	150	<0.5	<2	0.25	<0.5	10	40	39	2.66
E003115		0.32	0.007	0.2	0.75	6	<10	110	<0.5	<2	0.19	<0.5	3	17	25	1.19
E003116		0.28	0.006	<0.2	0.50	<2	<10	60	<0.5	<2	0.08	0.6	1	10	8	0.80
E003117		0.26	<0.005	0.2	1.02	4	<10	80	<0.5	<2	0.09	<0.5	4	18	11	1.60
E003118		0.30	<0.005	<0.2	1.04	3	<10	110	<0.5	<2	0.12	<0.5	3	18	18	1.89
E003119		0.28	<0.005	0.2	1.26	28	<10	260	<0.5	<2	0.08	1.7	7	27	75	3.60
E003120		0.32	<0.005	0.3	1.31	28	<10	280	<0.5	<2	0.08	1.3	7	27	80	3.56



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003081		10	1	0.05	10	0.50	1300	1	0.01	30	510	9	0.02	<2	3	13
E003082		10	<1	0.05	<10	0.31	224	1	0.01	16	500	9	0.02	<2	1	14
E003083		10	<1	0.04	10	0.46	255	1	0.01	26	460	8	0.02	2	2	19
E003084		10	<1	0.03	10	0.50	2040	1	0.02	68	720	7	0.04	<2	4	25
E003085		10	1	0.03	10	0.38	163	1	0.01	20	360	7	0.01	<2	2	14
E003086		10	<1	0.04	10	0.61	441	1	0.01	43	440	10	0.01	<2	3	13
E003087		10	<1	0.03	10	0.38	136	1	0.01	16	220	7	0.02	<2	2	17
E003088		<10	<1	0.02	<10	0.07	37	<1	0.02	6	210	2	0.01	<2	<1	10
E003089		10	1	0.04	40	0.59	636	<1	0.02	31	590	28	0.02	<2	6	22
E003090		<10	<1	<0.01	<10	<0.01	<5	<1	0.01	<1	10	<2	0.01	<2	<1	1
E003091		<10	1	0.03	10	0.26	209	2	0.02	20	420	4	0.02	<2	2	11
E003092		<10	1	0.04	10	0.38	678	<1	0.04	18	790	5	0.09	<2	3	36
E003093		<10	1	0.03	20	0.23	354	1	0.02	20	1100	7	0.02	<2	3	23
E003094		<10	<1	0.04	10	0.25	182	1	0.02	10	540	4	0.02	<2	1	11
E003095		<10	1	0.03	20	0.47	868	<1	0.03	20	710	6	0.05	<2	4	35
E003096		10	1	0.05	10	0.58	200	<1	0.02	19	470	5	0.04	<2	2	20
E003097		<10	<1	0.04	10	0.52	1165	<1	0.02	23	580	6	0.03	<2	3	21
E003098		10	1	0.02	10	0.56	247	<1	0.02	18	380	5	0.02	<2	3	17
E003099		10	<1	0.05	10	0.87	276	<1	0.02	24	330	5	0.01	<2	4	17
E003100		10	1	0.05	10	0.85	332	<1	0.02	23	350	6	0.01	<2	4	16
E003101		<10	1	0.02	<10	0.12	46	<1	<0.01	8	190	3	<0.01	<2	<1	11
E003102		<10	<1	0.03	<10	0.08	96	<1	0.02	9	360	<2	0.02	<2	<1	10
E003103		10	1	0.03	<10	1.11	317	<1	0.02	55	300	5	0.02	<2	5	18
E003104		<10	1	0.02	10	0.48	125	<1	0.02	27	480	3	0.04	<2	2	19
E003105		10	<1	0.03	10	0.86	263	<1	0.02	42	390	3	0.01	<2	4	18
E003106		10	<1	0.03	10	0.31	90	2	0.02	17	330	8	0.03	<2	1	14
E003107		<10	1	0.03	<10	0.30	105	1	0.02	20	600	3	0.05	<2	1	15
E003108		10	<1	0.02	10	0.90	216	<1	0.01	47	220	6	0.02	<2	3	13
E003109		10	<1	0.02	<10	1.24	358	<1	0.01	83	300	55	0.01	<2	3	13
E003110																
E003111		10	1	0.02	10	0.90	250	<1	0.02	37	150	8	0.02	<2	4	15
E003112		10	<1	0.03	<10	1.74	418	<1	0.01	80	550	3	0.02	<2	4	14
E003113		<10	<1	0.03	<10	1.03	234	<1	0.02	38	380	2	0.02	<2	5	17
E003114		10	1	0.02	10	0.68	242	<1	0.02	27	310	5	0.01	<2	3	17
E003115		<10	1	0.03	10	0.11	60	1	0.02	13	440	4	0.03	<2	1	17
E003116		<10	<1	0.02	<10	0.05	32	1	0.02	5	300	3	0.03	<2	<1	12
E003117		<10	1	0.02	<10	0.16	73	<1	0.02	10	230	5	0.02	<2	1	12
E003118		10	<1	0.02	10	0.18	76	1	0.02	14	370	6	0.02	<2	1	17
E003119		10	<1	0.10	20	0.40	258	4	0.02	52	610	10	0.13	<2	2	22
E003120		<10	1	0.13	20	0.46	232	3	0.02	50	590	8	0.16	<2	2	20



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Ti	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR	20	0.01	10	10	1	10	2	
E003081	<20	0.09	<10	<10	66	<10	52	
E003082	<20	0.07	<10	<10	49	<10	34	
E003083	<20	0.08	<10	<10	68	<10	40	
E003084	<20	0.08	<10	<10	69	<10	37	
E003085	<20	0.08	<10	<10	81	<10	32	
E003086	<20	0.15	<10	<10	89	<10	71	
E003087	<20	0.09	<10	<10	65	<10	34	
E003088	<20	0.02	<10	<10	15	<10	9	
E003089	<20	0.06	<10	<10	54	<10	60	
E003090	<20	<0.01	<10	<10	<1	<10	3	
E003091	<20	0.05	<10	<10	48	<10	49	
E003092	<20	0.04	<10	<10	43	<10	108	
E003093	<20	0.05	<10	<10	43	<10	38	
E003094	<20	0.05	<10	<10	36	<10	31	
E003095	<20	0.06	<10	<10	51	<10	41	
E003096	<20	0.07	<10	<10	51	<10	45	
E003097	<20	0.06	<10	<10	49	<10	55	
E003098	<20	0.06	<10	<10	45	<10	39	
E003099	<20	0.09	<10	<10	60	<10	49	
E003100	<20	0.09	<10	<10	54	<10	49	
E003101	<20	0.02	<10	<10	18	<10	14	
E003102	<20	0.02	<10	<10	23	<10	17	
E003103	<20	0.08	<10	<10	68	<10	43	
E003104	<20	0.05	<10	<10	43	<10	25	
E003105	<20	0.09	<10	<10	66	<10	46	
E003106	<20	0.06	<10	<10	46	<10	23	
E003107	<20	0.04	<10	<10	37	<10	25	
E003108	<20	0.10	<10	<10	75	<10	40	
E003109	<20	0.11	<10	<10	72	<10	278	
E003110								
E003111	<20	0.09	<10	<10	62	<10	73	
E003112	<20	0.05	<10	<10	55	<10	38	
E003113	<20	0.05	<10	<10	66	<10	38	
E003114	<20	0.09	<10	<10	63	<10	51	
E003115	<20	0.03	<10	<10	27	<10	26	
E003116	<20	0.03	<10	<10	24	<10	14	
E003117	<20	0.05	<10	<10	41	<10	27	
E003118	<20	0.04	<10	<10	43	<10	35	
E003119	<20	0.05	<10	<10	78	<10	191	
E003120	<20	0.05	<10	<10	74	<10	188	



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## CERTIFICATE OF ANALYSIS VA09111201

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003121		0.40	0.006	0.2	1.90	8	<10	390	0.5	<2	0.33	<0.5	10	37	36	2.97
E003122		0.42	<0.005	<0.2	1.19	7	<10	150	<0.5	<2	0.14	<0.5	4	22	9	2.19
E003123		0.32	<0.005	0.6	1.72	5	<10	290	<0.5	<2	0.18	0.6	8	28	10	2.76
E003124		0.34	<0.005	0.6	2.44	10	<10	530	<0.5	<2	0.20	0.8	12	35	23	3.34
E003125		0.26	<0.005	0.2	2.00	9	<10	450	<0.5	<2	0.21	3.7	13	33	18	3.49
E003126		0.30	<0.005	0.3	1.10	10	<10	150	<0.5	<2	0.17	0.7	4	23	22	3.37
E003127		0.26	<0.005	0.4	1.46	7	<10	260	<0.5	<2	0.14	<0.5	6	24	14	2.53
E003128		0.28	<0.005	0.9	2.38	14	<10	210	<0.5	<2	0.21	0.5	9	35	22	3.78
E003129		0.26	<0.005	0.3	1.81	9	<10	210	<0.5	<2	0.24	0.5	5	29	12	2.96
E003130		0.14	<0.005	<0.2	0.02	<2	<10	10	<0.5	<2	0.01	<0.5	<1	1	1	0.06
E003131		0.20	0.005	0.5	0.72	3	<10	510	<0.5	<2	0.39	1.9	2	15	14	1.24
E003132		0.22	<0.005	0.3	1.92	11	<10	150	<0.5	<2	0.16	0.5	7	31	11	3.37
E003133		0.26	<0.005	<0.2	1.03	4	<10	160	<0.5	<2	0.19	<0.5	4	20	9	1.82
E003134		0.24	0.005	0.4	0.72	2	<10	110	<0.5	<2	0.07	0.5	2	17	14	1.23
E003135		0.28	<0.005	0.4	2.11	11	<10	210	<0.5	<2	0.21	<0.5	9	42	18	4.09
E003136		0.26	<0.005	0.4	1.11	4	<10	210	<0.5	<2	0.21	<0.5	3	26	19	1.73
E003137		0.26	0.007	<0.2	1.24	8	<10	100	<0.5	<2	0.13	<0.5	3	25	9	2.39
E003138		0.14	<0.005	0.3	0.72	7	<10	70	<0.5	<2	0.09	0.9	2	22	15	1.86
E003139		0.26	<0.005	0.5	1.83	8	<10	270	<0.5	<2	0.26	0.9	9	31	14	3.25
E003140		0.22	<0.005	0.6	1.89	9	<10	290	<0.5	<2	0.26	1.1	9	33	16	3.30
E003141		0.32	<0.005	0.5	1.98	8	<10	240	<0.5	<2	0.43	1.1	11	36	17	3.21
E003142		0.20	0.029	0.3	3.03	8	<10	660	0.9	2	0.90	0.5	16	155	31	3.60
E003143		0.30	0.006	<0.2	1.83	5	<10	250	<0.5	<2	0.40	<0.5	8	49	16	2.88
E003144		0.36	<0.005	0.2	1.45	7	<10	190	<0.5	<2	0.20	<0.5	5	27	13	2.65
E003145		0.22	0.006	0.2	0.39	<2	<10	60	<0.5	<2	0.08	<0.5	1	11	7	0.76
E003146		0.22	<0.005	0.2	1.25	11	<10	80	<0.5	<2	0.10	<0.5	5	28	13	2.29
E003147		0.36	<0.005	<0.2	0.92	5	<10	100	<0.5	<2	0.14	<0.5	3	20	9	1.27
E003148		0.22	<0.005	<0.2	0.50	4	<10	90	<0.5	<2	0.07	<0.5	2	13	9	1.09
E003149		0.24	<0.005	0.2	1.28	9	<10	110	<0.5	<2	0.14	<0.5	3	22	9	2.35
E003150		Not Recvd														
E003151		0.26	<0.005	<0.2	1.58	10	<10	160	0.5	<2	0.21	<0.5	5	27	18	3.06
E003152		0.26	<0.005	0.2	2.00	9	<10	230	0.5	<2	0.22	<0.5	8	32	19	2.75
E003153		0.32	<0.005	0.2	2.69	10	<10	230	0.5	<2	0.24	<0.5	10	38	24	3.53
E003154		0.22	<0.005	0.2	1.93	8	<10	220	<0.5	<2	0.24	<0.5	7	33	14	2.99
E003155		0.24	<0.005	0.2	2.21	10	<10	240	<0.5	<2	0.46	<0.5	8	34	19	3.07
E003156		0.20	<0.005	0.2	0.97	6	<10	100	<0.5	<2	0.14	<0.5	4	19	7	1.70
E003157		0.32	<0.005	0.2	2.44	6	<10	240	0.5	<2	0.55	<0.5	11	35	24	3.81
E003158		0.26	<0.005	0.2	2.13	12	<10	400	0.7	<2	0.46	0.8	15	36	23	3.24
E003159		0.22	<0.005	<0.2	1.89	9	<10	110	<0.5	<2	0.27	<0.5	7	30	12	3.40
E003160		0.28	0.005	0.2	1.94	7	<10	120	<0.5	<2	0.28	<0.5	7	30	12	3.41



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003121		10	1	0.03	10	0.58	292	1	0.03	26	360	6	0.01	<2	6	29
E003122		<10	1	0.03	10	0.20	98	1	0.02	9	300	6	0.02	<2	2	16
E003123		10	<1	0.05	10	0.35	316	1	0.02	15	430	8	0.01	<2	2	18
E003124		10	1	0.03	10	0.41	1360	1	0.02	25	460	8	0.01	<2	4	19
E003125		10	<1	0.04	10	0.41	783	1	0.02	24	650	10	0.02	<2	3	21
E003126		10	<1	0.04	10	0.20	140	1	0.02	18	620	9	0.02	2	1	15
E003127		10	<1	0.03	10	0.27	522	1	0.02	11	540	9	<0.01	<2	2	15
E003128		10	<1	0.04	10	0.47	411	1	0.02	21	910	10	<0.01	<2	3	18
E003129		10	<1	0.03	10	0.32	244	<1	0.02	15	500	9	<0.01	<2	2	22
E003130		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	1	10	<2	<0.01	<2	<1	<1
E003131		<10	<1	0.03	<10	0.09	172	<1	0.02	7	620	4	0.03	<2	<1	33
E003132		<10	<1	0.03	10	0.33	314	1	0.02	14	610	9	0.01	<2	2	15
E003133		<10	<1	0.03	<10	0.19	136	<1	0.02	10	210	5	<0.01	<2	1	19
E003134		<10	<1	0.03	10	0.11	62	<1	0.02	8	430	4	0.01	<2	1	11
E003135		10	<1	0.06	10	0.49	256	1	0.02	23	460	9	<0.01	<2	4	18
E003136		10	<1	0.03	10	0.21	82	<1	0.02	12	370	7	0.01	<2	2	17
E003137		10	<1	0.04	10	0.25	86	<1	0.01	9	200	8	<0.01	<2	2	13
E003138		10	<1	0.04	10	0.15	86	1	0.02	10	460	6	0.01	<2	<1	13
E003139		10	<1	0.05	10	0.39	393	1	0.02	18	740	9	<0.01	<2	2	21
E003140		<10	<1	0.05	10	0.41	400	1	0.02	21	780	10	<0.01	<2	3	22
E003141		<10	<1	0.06	10	0.51	599	1	0.02	22	310	9	<0.01	<2	3	26
E003142		10	<1	0.06	10	1.33	1790	<1	0.04	82	770	49	0.03	<2	6	49
E003143		10	<1	0.03	10	0.59	467	<1	0.03	25	330	11	<0.01	<2	3	27
E003144		10	<1	0.03	10	0.30	248	1	0.02	13	360	10	<0.01	3	2	16
E003145		<10	<1	0.02	<10	0.05	39	<1	0.02	5	240	2	<0.01	<2	<1	10
E003146		<10	<1	0.04	10	0.24	147	<1	0.02	17	350	11	0.01	<2	1	12
E003147		10	<1	0.02	10	0.16	113	<1	0.02	13	220	22	<0.01	<2	1	18
E003148		<10	<1	0.02	<10	0.07	55	<1	0.02	6	300	8	<0.01	<2	<1	11
E003149		10	<1	0.03	10	0.23	148	<1	0.02	9	370	11	<0.01	<2	1	16
E003150																
E003151		10	<1	0.02	10	0.27	128	1	0.02	13	440	11	<0.01	<2	2	19
E003152		<10	<1	0.03	10	0.44	425	<1	0.02	18	390	11	<0.01	<2	3	23
E003153		10	<1	0.03	10	0.46	339	1	0.02	24	270	12	<0.01	<2	3	24
E003154		<10	<1	0.03	10	0.43	286	1	0.02	16	270	14	<0.01	2	2	20
E003155		<10	<1	0.03	10	0.56	778	<1	0.02	20	520	8	0.01	<2	3	34
E003156		<10	<1	0.03	10	0.23	136	<1	0.02	10	290	7	<0.01	<2	2	12
E003157		10	<1	0.04	10	0.77	831	<1	0.03	19	310	14	<0.01	3	4	32
E003158		10	<1	0.05	10	0.49	1365	1	0.03	22	1130	19	<0.01	<2	4	35
E003159		10	<1	0.03	10	0.48	238	1	0.02	17	260	8	<0.01	<2	3	21
E003160		10	<1	0.03	10	0.50	284	1	0.02	16	260	8	<0.01	<2	3	22



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<b>CERTIFICATE OF ANALYSIS VA09111201</b>
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Ti	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm
LOR		20	0.01	10	10	1	10
Zn							2
E003121	<20	0.11	<10	<10	69	<10	55
E003122	<20	0.08	<10	<10	60	<10	28
E003123	<20	0.08	<10	<10	69	<10	47
E003124	<20	0.08	<10	<10	76	<10	64
E003125	<20	0.09	<10	<10	79	<10	128
E003126	<20	0.08	<10	<10	87	<10	71
E003127	<20	0.08	<10	<10	64	<10	73
E003128	<20	0.08	<10	<10	84	<10	75
E003129	<20	0.08	<10	<10	68	<10	42
E003130	<20	<0.01	<10	<10	<1	<10	2
E003131	<20	0.02	<10	<10	30	<10	27
E003132	<20	0.07	<10	<10	73	<10	40
E003133	<20	0.07	<10	<10	50	<10	23
E003134	<20	0.05	<10	<10	31	<10	18
E003135	<20	0.11	<10	<10	93	<10	59
E003136	<20	0.06	<10	<10	42	<10	24
E003137	<20	0.09	<10	<10	63	<10	27
E003138	<20	0.03	<10	<10	59	<10	39
E003139	<20	0.08	<10	<10	80	<10	74
E003140	<20	0.08	<10	<10	80	<10	74
E003141	<20	0.08	<10	<10	70	<10	73
E003142	<20	0.13	<10	<10	87	<10	96
E003143	<20	0.07	<10	<10	74	<10	48
E003144	<20	0.08	<10	<10	73	<10	50
E003145	<20	0.03	<10	<10	22	<10	12
E003146	<20	0.08	<10	<10	59	<10	37
E003147	<20	0.07	<10	<10	35	<10	41
E003148	<20	0.03	<10	<10	33	<10	26
E003149	<20	0.09	<10	<10	74	<10	55
E003150							
E003151	<20	0.07	<10	<10	72	<10	33
E003152	<20	0.08	<10	<10	67	<10	49
E003153	<20	0.10	<10	<10	83	<10	73
E003154	<20	0.08	<10	<10	72	<10	53
E003155	<20	0.08	<10	<10	70	<10	56
E003156	<20	0.08	<10	<10	51	<10	29
E003157	<20	0.09	<10	<10	72	<10	72
E003158	<20	0.08	<10	<10	73	<10	195
E003159	<20	0.07	<10	<10	73	<10	48
E003160	<20	0.07	<10	<10	72	<10	48



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<b>CERTIFICATE OF ANALYSIS</b>	<b>VA09111201</b>
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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003161		0.34	<0.005	0.2	1.92	6	<10	140	0.5	<2	0.31	<0.5	7	34	13	2.88
E003162		0.16	<0.005	0.2	2.60	8	<10	250	0.6	<2	0.33	<0.5	10	57	14	3.44
E003163		0.24	<0.005	0.2	1.72	7	<10	140	<0.5	<2	0.27	<0.5	13	31	32	2.91
E003164		0.32	<0.005	0.2	1.89	11	<10	270	0.6	<2	0.35	0.6	13	31	23	3.37
E003165		0.28	<0.005	<0.2	2.63	25	<10	280	0.7	<2	0.57	<0.5	15	49	24	3.88
E003166		0.44	0.005	<0.2	2.23	11	<10	180	0.8	<2	0.36	<0.5	11	43	21	3.49
E003167		0.18	<0.005	0.2	1.74	7	<10	300	<0.5	<2	0.34	<0.5	9	43	16	2.94
E003168		0.24	<0.005	0.2	1.60	9	<10	250	<0.5	<2	0.42	<0.5	9	33	13	2.82
E003169		0.22	<0.005	0.2	1.69	9	<10	320	<0.5	<2	0.46	0.7	8	36	19	2.52
E003170		0.06	<0.005	<0.2	0.01	3	<10	10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.03
E003171		0.18	<0.005	0.8	1.51	18	<10	290	<0.5	<2	0.37	3.0	14	24	22	2.65
E003172		0.30	<0.005	0.2	1.92	15	<10	180	0.5	<2	0.41	<0.5	8	34	16	3.02
E003173		0.40	<0.005	<0.2	2.15	8	<10	130	<0.5	<2	0.26	<0.5	10	46	26	3.01
E003174		0.34	<0.005	0.3	1.99	7	<10	270	<0.5	<2	0.49	<0.5	18	83	22	3.05
E003175		0.34	<0.005	0.2	2.39	15	<10	190	<0.5	<2	0.21	<0.5	12	47	26	4.13
E003176		0.36	<0.005	0.3	1.84	7	<10	160	<0.5	2	0.14	<0.5	9	36	22	2.97
E003177		0.34	<0.005	0.2	1.26	5	<10	90	<0.5	<2	0.14	<0.5	13	38	37	2.71
E003178		0.40	<0.005	0.2	1.42	4	<10	200	<0.5	<2	0.21	<0.5	20	30	20	2.51
E003179		0.32	<0.005	0.3	1.43	9	<10	150	<0.5	<2	0.21	<0.5	5	26	17	2.34
E003180		0.32	<0.005	0.2	2.09	11	<10	180	<0.5	<2	0.22	<0.5	7	33	19	3.19



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## CERTIFICATE OF ANALYSIS VA09111201

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003161		10	<1	0.05	10	0.47	209	<1	0.02	19	640	9	<0.01	<2	2	22
E003162		10	<1	0.06	10	0.59	670	<1	0.03	32	590	81	<0.01	<2	4	34
E003163		10	<1	0.06	10	0.62	502	<1	0.03	18	430	12	<0.01	<2	3	21
E003164		10	<1	0.05	10	0.51	927	<1	0.03	20	1420	17	<0.01	<2	4	26
E003165		10	<1	0.13	10	1.34	1125	<1	0.03	25	520	17	<0.01	<2	7	45
E003166		<10	<1	0.12	10	0.57	301	<1	0.03	26	440	10	<0.01	<2	7	28
E003167		10	<1	0.06	10	0.50	727	<1	0.03	22	570	8	<0.01	<2	4	26
E003168		10	<1	0.05	10	0.40	951	<1	0.02	18	320	9	<0.01	2	3	29
E003169		10	<1	0.05	10	0.44	1000	<1	0.03	19	600	10	<0.01	<2	4	31
E003170		<10	<1	<0.01	<10	<0.01	5	<1	<0.01	<1	10	<2	<0.01	<2	<1	<1
E003171		<10	<1	0.04	10	0.25	2370	1	0.03	26	720	20	0.01	<2	2	26
E003172		<10	<1	0.08	10	0.43	271	1	0.02	21	320	25	<0.01	<2	4	26
E003173		10	<1	0.03	<10	0.63	225	<1	0.02	28	210	5	<0.01	<2	3	20
E003174		10	<1	0.05	10	0.72	1015	<1	0.02	42	360	7	0.01	<2	3	33
E003175		10	<1	0.04	10	0.58	270	1	0.01	26	290	9	<0.01	<2	4	19
E003176		10	<1	0.02	10	0.46	252	1	0.02	20	230	7	<0.01	<2	3	12
E003177		<10	<1	0.03	<10	0.27	138	<1	0.01	20	310	5	<0.01	<2	2	11
E003178		<10	<1	0.03	<10	0.32	1160	<1	0.01	20	320	6	<0.01	<2	2	17
E003179		10	<1	0.04	10	0.35	237	1	0.01	16	300	7	<0.01	<2	2	18
E003180		10	<1	0.04	10	0.45	245	<1	0.01	20	310	8	0.01	<2	3	20





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Method Analyte Units LOR	ME-ICP41 Th ppm	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
Sample Description	20	0.01	10	10	1	10	2
E003161	<20	0.06	<10	<10	68	<10	56
E003162	<20	0.14	<10	<10	88	<10	83
E003163	<20	0.11	<10	<10	63	<10	45
E003164	<20	0.10	<10	<10	76	<10	70
E003165	<20	0.15	<10	<10	83	<10	78
E003166	<20	0.11	<10	<10	82	<10	53
E003167	<20	0.10	<10	<10	68	<10	54
E003168	<20	0.08	<10	<10	66	<10	61
E003169	<20	0.08	<10	<10	61	<10	89
E003170	<20	<0.01	<10	<10	<1	<10	2
E003171	<20	0.06	<10	<10	60	<10	150
E003172	<20	0.05	<10	<10	70	<10	93
E003173	<20	0.12	<10	<10	72	<10	38
E003174	<20	0.09	<10	<10	71	<10	53
E003175	<20	0.13	<10	<10	107	<10	46
E003176	<20	0.08	<10	<10	75	<10	31
E003177	<20	0.08	<10	<10	64	<10	33
E003178	<20	0.08	<10	<10	61	<10	45
E003179	<20	0.10	<10	<10	73	<10	32
E003180	<20	0.10	<10	<10	83	<10	38



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## CERTIFICATE OF ANALYSIS VA09111201

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.



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## CERTIFICATE VA09111202

Project: HAO09-01

P.O. No.: HAO09-01

This report is for 197 Soil samples submitted to our lab in Vancouver, BC, Canada on 6-OCT-2009.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL  
NEIL PERK

HENRY AWMACK

MURRAY JONES

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-24	Pulp Login - Rcd w/o Barcode
SCR-41	Screen to -180um and save both

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.

ATTN: NEIL PERK

700 - 700 PENDER ST.

VANCOUVER BC V6C 1G8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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## CERTIFICATE OF ANALYSIS VA09111202

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003181		0.34	<0.005	<0.2	2.20	11	<10	120	<0.5	2	0.18	<0.5	12	37	28	2.89
E003182		0.40	<0.005	<0.2	2.09	9	<10	230	<0.5	<2	0.16	<0.5	12	43	16	2.91
E003183		0.34	<0.005	<0.2	1.19	7	<10	60	<0.5	<2	0.14	<0.5	8	46	25	2.62
E003184		0.40	<0.005	<0.2	1.89	7	<10	260	<0.5	<2	0.27	<0.5	14	37	17	2.86
E003185		0.36	<0.005	<0.2	2.22	8	<10	210	<0.5	<2	0.24	<0.5	16	39	25	3.29
E003186		0.32	<0.005	<0.2	1.56	8	<10	250	<0.5	<2	0.24	<0.5	11	40	14	2.76
E003187		0.24	<0.005	<0.2	1.30	7	<10	150	<0.5	<2	0.20	<0.5	5	25	9	2.14
E003188		0.38	<0.005	<0.2	1.38	6	<10	370	<0.5	<2	0.28	<0.5	9	38	11	2.65
E003189		0.28	<0.005	<0.2	1.96	11	<10	200	<0.5	<2	0.22	<0.5	10	31	9	3.53
E003190		Not Recvd														
E003191		0.30	<0.005	<0.2	1.93	6	<10	150	<0.5	<2	0.09	<0.5	7	28	13	3.25
E003192		0.26	<0.005	<0.2	0.74	2	<10	550	<0.5	2	0.37	<0.5	8	13	12	1.96
E003193		0.40	<0.005	<0.2	1.42	4	<10	200	<0.5	<2	0.23	<0.5	13	33	11	3.08
E003194		0.38	0.011	<0.2	1.48	5	<10	170	<0.5	<2	0.18	<0.5	11	21	9	2.86
E003195		0.30	0.008	<0.2	1.54	5	<10	150	<0.5	<2	0.11	<0.5	7	26	9	2.48
E003196		0.36	<0.005	<0.2	1.45	5	<10	190	<0.5	<2	0.15	<0.5	9	22	11	2.76
E003197		0.30	0.005	<0.2	1.41	5	<10	270	<0.5	<2	0.28	<0.5	14	22	12	2.64
E003198		0.36	<0.005	<0.2	1.63	5	<10	360	0.5	<2	0.29	<0.5	11	31	12	2.99
E003199		0.28	<0.005	<0.2	1.87	3	<10	240	0.5	<2	0.20	<0.5	10	26	11	3.02
E003200		0.26	<0.005	<0.2	1.81	6	<10	220	0.5	<2	0.17	<0.5	10	26	10	3.03
E003201		0.14	<0.005	<0.2	0.64	2	<10	50	<0.5	<2	0.06	<0.5	3	9	5	1.14
E003202		0.22	<0.005	<0.2	1.92	8	<10	180	<0.5	<2	0.32	<0.5	12	38	30	2.76
E003203		0.20	<0.005	<0.2	1.99	13	<10	120	<0.5	<2	0.15	<0.5	7	39	14	3.90
E003204		0.14	0.008	<0.2	1.50	7	<10	100	<0.5	<2	0.10	<0.5	4	28	12	2.90
E003205		0.10	0.011	<0.2	1.22	6	<10	80	<0.5	<2	0.13	<0.5	5	22	13	2.02
E003206		0.12	<0.005	<0.2	1.91	8	<10	190	<0.5	<2	0.20	<0.5	9	40	21	2.63
E003207		0.10	<0.005	0.5	1.59	8	<10	130	<0.5	<2	0.18	<0.5	7	33	29	2.20
E003208		0.12	<0.005	<0.2	0.64	3	<10	70	<0.5	<2	0.13	<0.5	3	12	16	0.95
E003209		0.18	<0.005	<0.2	1.40	7	<10	100	<0.5	<2	0.12	<0.5	7	65	25	2.47
E003210		0.14	0.007	<0.2	0.28	<2	<10	40	<0.5	<2	0.04	<0.5	1	8	5	0.65
E003211		0.10	<0.005	<0.2	1.44	9	<10	80	<0.5	<2	0.16	<0.5	7	38	25	3.30
E003212		0.10	<0.005	<0.2	0.57	2	<10	80	<0.5	<2	0.08	<0.5	3	13	22	0.98
E003213		0.06	0.016	<0.2	0.49	<2	<10	80	<0.5	<2	0.12	<0.5	2	10	16	0.72
E003214		0.10	<0.005	<0.2	1.61	5	<10	90	<0.5	<2	0.15	<0.5	9	52	46	2.27
E003215		0.08	<0.005	<0.2	1.60	7	<10	90	<0.5	2	0.17	<0.5	9	34	54	2.56
E003216		0.06	<0.005	<0.2	0.99	4	<10	70	<0.5	<2	0.17	<0.5	5	28	20	1.69
E003217		0.14	<0.005	<0.2	1.67	3	<10	70	<0.5	<2	0.16	<0.5	12	111	36	1.87
E003218		0.10	<0.005	<0.2	1.74	7	<10	70	<0.5	<2	0.28	<0.5	10	43	49	2.86
E003219		0.14	0.006	<0.2	1.84	6	<10	160	<0.5	<2	0.24	<0.5	10	46	37	2.61
E003220		0.16	<0.005	<0.2	0.72	5	<10	70	<0.5	<2	0.13	<0.5	3	18	11	1.18



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## CERTIFICATE OF ANALYSIS VA09111202

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003181		10	<1	0.03	<10	0.57	195	<1	0.01	27	240	7	<0.01	<2	3	13
E003182		<10	<1	0.03	10	0.46	235	2	0.01	28	320	9	<0.01	<2	3	14
E003183		10	<1	0.03	<10	0.40	193	2	0.01	39	440	6	<0.01	<2	3	8
E003184		<10	<1	0.03	10	0.57	933	1	0.02	27	270	8	<0.01	<2	3	20
E003185		10	<1	0.04	<10	0.55	474	1	0.02	30	610	7	<0.01	<2	3	16
E003186		<10	<1	0.02	10	0.36	589	1	0.01	24	280	7	<0.01	<2	3	16
E003187		10	<1	0.05	<10	0.34	196	1	0.01	13	230	7	<0.01	<2	2	13
E003188		<10	<1	0.06	10	0.43	321	1	0.01	20	210	7	<0.01	<2	3	20
E003189		<10	<1	0.07	10	0.48	510	1	0.01	16	440	9	<0.01	<2	3	17
E003190																
E003191		<10	<1	0.10	10	0.52	251	<1	0.01	15	370	7	<0.01	<2	2	8
E003192		<10	<1	0.06	<10	0.20	1325	<1	0.02	11	350	5	0.01	2	2	30
E003193		10	1	0.16	10	0.51	782	1	0.02	20	250	9	<0.01	<2	2	19
E003194		<10	<1	0.14	<10	0.50	377	1	0.01	11	380	7	<0.01	<2	2	14
E003195		<10	1	0.04	<10	0.31	191	1	0.01	15	190	8	<0.01	<2	2	10
E003196		<10	1	0.06	10	0.31	465	1	0.01	14	360	6	0.01	2	2	13
E003197		10	<1	0.11	10	0.37	739	1	0.02	16	600	14	0.01	<2	2	21
E003198		<10	<1	0.31	10	0.58	399	<1	0.02	20	270	8	<0.01	<2	4	21
E003199		10	<1	0.24	10	0.64	347	<1	0.02	16	390	6	<0.01	<2	2	15
E003200		10	<1	0.25	10	0.64	294	<1	0.01	16	400	6	<0.01	<2	2	12
E003201		<10	<1	0.02	<10	0.12	65	<1	0.01	4	160	3	0.01	<2	1	5
E003202		10	<1	0.04	10	0.57	268	<1	0.02	29	720	6	0.01	<2	4	22
E003203		10	<1	0.04	10	0.42	292	1	0.01	15	390	10	0.02	<2	3	13
E003204		10	<1	0.03	10	0.30	175	1	0.01	11	350	8	0.01	<2	1	10
E003205		<10	<1	0.03	<10	0.29	117	<1	0.01	13	320	6	0.02	<2	1	11
E003206		10	<1	0.04	20	0.53	305	<1	0.01	21	510	7	0.01	<2	4	17
E003207		<10	<1	0.04	10	0.43	164	1	0.02	19	510	17	0.04	5	2	17
E003208		<10	<1	0.03	<10	0.06	35	<1	0.02	6	520	6	0.04	<2	<1	13
E003209		10	<1	0.06	10	0.62	157	1	0.01	41	230	6	0.01	<2	2	10
E003210		<10	1	0.02	<10	0.04	30	<1	0.02	3	220	2	0.01	<2	<1	5
E003211		10	<1	0.06	10	0.47	226	1	0.01	28	340	8	0.02	<2	2	25
E003212		<10	<1	0.02	<10	0.06	34	<1	0.02	10	400	5	0.02	<2	<1	10
E003213		<10	<1	0.03	10	0.04	29	<1	0.03	9	1040	5	0.05	<2	<1	16
E003214		<10	1	0.04	10	0.61	160	<1	0.01	35	440	5	0.03	<2	2	12
E003215		<10	<1	0.05	10	0.47	209	1	0.01	19	530	6	0.04	<2	3	16
E003216		<10	<1	0.04	10	0.35	123	<1	0.01	18	410	4	0.03	<2	1	13
E003217		10	1	0.09	10	0.92	119	<1	0.02	88	110	<2	<0.01	<2	2	4
E003218		<10	<1	0.10	10	0.48	177	<1	0.02	40	3030	3	0.07	<2	1	12
E003219		<10	<1	0.06	10	0.65	201	<1	0.01	33	600	6	0.02	<2	4	17
E003220		10	1	0.03	10	0.11	73	1	0.01	8	330	7	0.02	<2	1	13



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## CERTIFICATE OF ANALYSIS VA09111202

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
E003181		<20	0.11	<10	<10	73	<10	56
E003182		<20	0.08	<10	<10	66	<10	41
E003183		<20	0.09	<10	<10	65	<10	40
E003184		<20	0.07	<10	<10	72	<10	60
E003185		<20	0.10	<10	<10	79	<10	65
E003186		<20	0.04	<10	<10	65	<10	33
E003187		<20	0.06	<10	<10	50	<10	37
E003188		<20	0.06	<10	<10	62	<10	40
E003189		<20	0.07	<10	<10	62	<10	45
E003190								
E003191		<20	0.09	<10	<10	62	<10	47
E003192		<20	0.05	<10	<10	38	<10	48
E003193		<20	0.12	<10	<10	62	<10	50
E003194		<20	0.13	<10	<10	59	<10	44
E003195		<20	0.08	<10	<10	60	<10	37
E003196		<20	0.05	<10	<10	55	<10	44
E003197		<20	0.04	<10	<10	47	<10	49
E003198		<20	0.10	<10	<10	51	<10	47
E003199		<20	0.10	<10	<10	49	<10	53
E003200		<20	0.10	<10	<10	49	<10	54
E003201		<20	0.04	<10	<10	27	<10	13
E003202		<20	0.08	<10	<10	63	<10	45
E003203		<20	0.08	<10	<10	79	<10	50
E003204		<20	0.05	<10	<10	67	<10	31
E003205		<20	0.06	<10	<10	52	<10	26
E003206		<20	0.08	<10	<10	61	<10	46
E003207		<20	0.07	<10	<10	58	<10	52
E003208		<20	0.02	<10	<10	30	<10	14
E003209		<20	0.12	<10	<10	72	<10	34
E003210		<20	0.02	<10	<10	21	<10	10
E003211		<20	0.11	<10	<10	83	<10	43
E003212		<20	0.01	<10	<10	24	<10	10
E003213		<20	0.01	<10	<10	14	<10	14
E003214		<20	0.07	<10	<10	50	<10	41
E003215		<20	0.09	<10	<10	53	<10	45
E003216		<20	0.05	<10	<10	48	<10	28
E003217		<20	0.14	<10	<10	38	<10	23
E003218		<20	0.02	<10	<10	75	<10	36
E003219		<20	0.09	<10	<10	59	<10	48
E003220		<20	0.08	<10	<10	62	<10	18



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## CERTIFICATE OF ANALYSIS VA09111202

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003221		0.18	<0.005	<0.2	2.09	9	<10	100	<0.5	<2	0.14	<0.5	8	40	13	3.40
E003222		0.28	<0.005	<0.2	1.98	7	<10	170	<0.5	<2	0.25	<0.5	9	51	24	2.51
E003223		0.10	<0.005	<0.2	1.68	3	<10	120	<0.5	<2	0.16	<0.5	8	53	24	2.54
E003224		0.16	<0.005	<0.2	2.06	9	<10	210	<0.5	<2	0.13	<0.5	8	34	16	3.57
E003225		0.14	<0.005	<0.2	2.48	11	<10	170	0.5	<2	0.14	<0.5	16	50	22	3.61
E003226		0.20	<0.005	<0.2	2.26	8	<10	100	<0.5	<2	0.13	<0.5	11	55	18	3.16
E003227		0.16	<0.005	<0.2	0.68	3	<10	90	<0.5	<2	0.15	<0.5	2	10	11	1.03
E003228		0.14	<0.005	<0.2	0.28	2	<10	70	<0.5	<2	0.09	<0.5	1	7	8	0.56
E003229		0.08	<0.005	<0.2	0.43	<2	<10	70	<0.5	<2	0.06	<0.5	1	11	10	0.80
E003230		0.10	<0.005	<0.2	0.35	3	<10	40	<0.5	<2	0.05	<0.5	1	14	5	0.76
E003231		Not Recvd														
E003232		0.12	0.007	<0.2	1.22	7	<10	90	<0.5	<2	0.07	<0.5	4	24	11	2.34
E003233		0.10	<0.005	<0.2	0.85	3	<10	90	<0.5	<2	0.09	<0.5	3	24	14	1.68
E003234		0.20	<0.005	<0.2	1.32	6	<10	110	<0.5	<2	0.12	<0.5	6	26	16	1.97
E003235		0.12	<0.005	<0.2	1.76	3	<10	120	<0.5	<2	0.17	<0.5	6	99	34	2.69
E003236		0.16	<0.005	<0.2	0.80	3	<10	140	<0.5	<2	0.15	<0.5	3	20	7	1.97
E003237		0.18	0.011	<0.2	2.70	10	<10	150	<0.5	<2	0.18	<0.5	18	62	30	3.29
E003238		0.20	<0.005	<0.2	1.65	6	<10	230	<0.5	<2	0.20	<0.5	6	25	13	2.26
E003239		0.10	0.007	0.2	2.80	8	<10	470	0.6	<2	0.39	<0.5	5	35	23	2.97
E003240		0.10	0.006	0.2	3.87	11	<10	570	0.7	<2	0.40	<0.5	6	46	29	3.67
E003241		0.18	<0.005	<0.2	1.41	14	<10	120	<0.5	<2	0.16	<0.5	6	31	15	2.80
E003242		0.10	<0.005	<0.2	0.86	2	<10	60	<0.5	<2	0.07	<0.5	2	19	13	1.39
E003243		0.18	<0.005	<0.2	2.22	5	<10	140	<0.5	<2	0.15	<0.5	15	45	33	3.11
E003244		0.22	<0.005	<0.2	1.29	6	<10	120	<0.5	<2	0.13	<0.5	4	23	12	2.29
E003245		0.12	<0.005	<0.2	2.73	9	<10	100	<0.5	<2	0.14	<0.5	13	99	14	3.30
E003246		0.20	<0.005	<0.2	2.23	11	<10	140	<0.5	<2	0.13	<0.5	9	35	15	3.49
E003247		0.16	<0.005	<0.2	2.50	12	<10	140	<0.5	<2	0.14	<0.5	11	39	16	3.45
E003248		0.14	<0.005	<0.2	1.48	7	<10	80	<0.5	<2	0.12	<0.5	6	38	13	2.76
E003249		0.14	<0.005	<0.2	1.56	8	<10	90	<0.5	<2	0.14	<0.5	10	48	44	3.01
E003250		0.22	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	0.01	<0.5	<1	1	<1	0.03
E003251		0.12	<0.005	<0.2	0.81	3	<10	120	<0.5	<2	3.03	<0.5	4	20	20	1.02
E003252		0.12	<0.005	<0.2	2.03	10	<10	140	<0.5	<2	0.24	<0.5	9	34	24	3.07
E003253		0.14	<0.005	<0.2	1.70	8	<10	130	<0.5	<2	0.12	<0.5	4	27	13	2.83
E003254		0.18	<0.005	<0.2	1.67	10	<10	130	<0.5	<2	0.13	<0.5	5	32	11	3.10
E003255		0.12	0.006	<0.2	0.59	6	<10	50	<0.5	<2	0.09	<0.5	2	15	6	1.01
E003256		0.10	0.013	<0.2	0.60	3	<10	80	<0.5	<2	0.07	<0.5	2	14	7	1.09
E003257		0.12	<0.005	<0.2	2.29	10	<10	200	<0.5	2	0.18	<0.5	10	44	24	3.79
E003258		0.18	<0.005	<0.2	0.68	5	<10	60	<0.5	<2	0.07	<0.5	2	18	7	1.43
E003259		0.08	<0.005	<0.2	1.51	5	<10	90	<0.5	<2	0.09	<0.5	7	35	13	2.69
E003260		0.20	<0.005	<0.2	2.96	15	<10	190	0.5	<2	0.14	<0.5	14	44	21	3.81



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003221		10	<1	0.03	10	0.42	235	<1	0.01	18	340	8	0.02	<2	3	13
E003222		10	<1	0.03	10	0.60	162	<1	0.01	29	450	6	0.01	<2	3	19
E003223		10	<1	0.13	10	0.67	242	<1	0.01	26	550	5	0.02	<2	2	14
E003224		10	1	0.03	10	0.36	221	1	0.01	18	310	11	0.01	<2	3	12
E003225		10	1	0.03	10	0.50	553	1	0.01	26	340	9	0.02	<2	3	15
E003226		<10	<1	0.06	10	0.83	263	<1	0.01	33	260	5	0.01	2	3	10
E003227		<10	<1	0.02	20	0.13	56	<1	0.02	5	450	3	0.02	<2	1	15
E003228		<10	<1	0.02	10	0.04	25	<1	0.02	4	230	2	0.01	<2	<1	11
E003229		<10	<1	0.02	10	0.06	39	<1	0.02	4	260	10	0.01	<2	<1	7
E003230		<10	<1	0.03	<10	0.04	40	<1	0.02	5	360	3	0.01	<2	<1	6
E003231																
E003232		10	<1	0.02	10	0.22	172	1	0.01	10	240	7	0.01	<2	2	8
E003233		<10	<1	0.03	<10	0.19	70	<1	0.01	10	590	5	0.02	<2	1	11
E003234		<10	<1	0.03	10	0.29	108	<1	0.01	17	270	5	0.02	<2	2	13
E003235		10	<1	0.13	<10	1.13	186	<1	0.01	51	320	4	0.01	<2	2	18
E003236		10	<1	0.03	<10	0.14	112	1	0.01	14	340	7	0.01	<2	1	15
E003237		<10	<1	0.06	10	0.70	257	<1	0.01	49	430	6	0.02	<2	3	15
E003238		<10	<1	0.05	10	0.41	153	<1	0.01	17	360	5	0.01	<2	3	16
E003239		10	<1	0.06	40	0.25	114	1	0.02	18	760	6	0.08	<2	6	38
E003240		10	1	0.08	30	0.39	167	1	0.01	24	680	9	0.06	<2	8	38
E003241		10	<1	0.05	10	0.32	199	<1	0.01	14	260	10	0.02	<2	3	12
E003242		<10	<1	0.02	<10	0.11	71	<1	0.02	7	330	5	0.02	<2	1	8
E003243		<10	<1	0.12	10	0.91	241	<1	0.01	23	200	5	0.05	<2	4	13
E003244		<10	<1	0.04	10	0.28	161	1	0.01	12	140	7	0.02	<2	2	13
E003245		10	<1	0.03	<10	1.51	293	1	0.01	48	240	8	0.02	2	2	10
E003246		10	<1	0.03	10	0.39	177	1	0.01	20	260	9	0.01	<2	3	12
E003247		10	<1	0.04	10	0.50	214	<1	0.02	24	340	9	0.01	<2	4	13
E003248		10	<1	0.04	10	0.35	154	1	0.02	18	200	7	0.01	<2	2	11
E003249		<10	<1	0.04	10	0.51	181	1	0.01	45	290	5	0.01	<2	2	12
E003250		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	<0.01	<2	<1	<1
E003251		<10	1	0.02	<10	0.28	222	<1	0.03	13	730	3	0.12	<2	1	61
E003252		10	<1	0.03	10	0.44	257	1	0.02	22	250	10	0.01	<2	3	16
E003253		10	1	0.03	10	0.21	115	1	0.01	10	270	11	0.02	<2	2	12
E003254		10	<1	0.03	10	0.36	175	1	0.01	13	260	9	0.02	<2	3	12
E003255		10	<1	0.03	<10	0.15	57	1	0.01	6	110	9	<0.01	<2	1	6
E003256		<10	<1	0.03	<10	0.10	56	<1	0.02	6	190	5	<0.01	<2	1	7
E003257		10	1	0.04	10	0.50	254	1	0.01	28	330	8	0.02	<2	3	18
E003258		<10	<1	0.03	<10	0.13	72	<1	0.01	7	210	6	0.01	<2	1	7
E003259		10	<1	0.08	10	0.65	310	1	0.01	16	290	7	0.02	<2	2	8
E003260		10	<1	0.04	10	0.51	336	1	0.01	27	240	11	0.01	<2	4	13





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<b>CERTIFICATE OF ANALYSIS VA09111202</b>
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Ti	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm
LOR	20	0.01	10	10	1	10	Zn 2
E003221	<20	0.09	<10	<10	72	<10	43
E003222	<20	0.08	<10	<10	62	<10	41
E003223	<20	0.07	<10	<10	61	<10	41
E003224	<20	0.09	<10	<10	91	<10	44
E003225	<20	0.10	<10	<10	86	<10	49
E003226	<20	0.12	<10	<10	59	<10	50
E003227	<20	0.03	<10	<10	22	<10	15
E003228	<20	0.02	<10	<10	14	<10	12
E003229	<20	0.03	<10	<10	24	<10	12
E003230	<20	0.02	<10	<10	24	<10	9
E003231	<20	0.07	<10	<10	61	<10	27
E003232	<20	0.07	<10	<10	43	<10	17
E003233	<20	0.06	<10	<10	46	<10	26
E003234	<20	0.21	<10	<10	72	<10	46
E003235	<20	0.09	<10	<10	54	<10	23
E003236	<20	0.10	<10	<10	62	<10	45
E003237	<20	0.08	<10	<10	52	<10	36
E003238	<20	0.06	<10	<10	52	<10	36
E003239	<20	0.07	<10	<10	66	<10	48
E003240	<20	0.08	<10	<10	69	<10	36
E003241	<20	0.06	<10	<10	38	<10	15
E003242	<20	0.14	<10	<10	65	<10	55
E003243	<20	0.09	<10	<10	62	<10	27
E003244	<20	0.14	<10	<10	76	<10	45
E003245	<20	0.09	<10	<10	82	<10	41
E003246	<20	0.10	<10	<10	77	<10	42
E003247	<20	0.11	<10	<10	74	<10	33
E003248	<20	0.10	<10	<10	61	<10	41
E003249	<20	<0.01	<10	<10	1	<10	2
E003250	<20	0.03	<10	<10	23	<10	15
E003251	<20	0.08	<10	<10	67	<10	42
E003252	<20	0.09	<10	<10	74	<10	23
E003253	<20	0.10	<10	<10	90	<10	33
E003254	<20	0.11	<10	<10	49	<10	13
E003255	<20	0.05	<10	<10	30	<10	13
E003256	<20	0.10	<10	<10	79	<10	46
E003257	<20	0.08	<10	<10	54	<10	16
E003258	<20	0.14	<10	<10	63	<10	43
E003259	<20	0.10	<10	<10	89	<10	64
E003260	<20	0.10	<10	<10	89	<10	64



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## CERTIFICATE OF ANALYSIS VA09111202

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003261		0.08	<0.005	<0.2	1.00	6	<10	70	<0.5	<2	0.06	<0.5	3	18	11	1.93
E003262		0.10	<0.005	<0.2	1.56	8	<10	150	<0.5	<2	0.14	<0.5	14	30	26	3.06
E003263		0.12	<0.005	<0.2	1.72	5	<10	190	<0.5	<2	0.17	<0.5	9	36	14	3.27
E003264		0.22	<0.005	<0.2	0.96	4	<10	70	<0.5	<2	0.10	<0.5	6	36	12	2.43
E003265		0.28	<0.005	<0.2	1.85	7	<10	220	<0.5	<2	0.32	<0.5	11	47	22	2.78
E003266		0.14	<0.005	<0.2	0.83	2	<10	120	<0.5	<2	0.32	<0.5	5	29	21	1.27
E003267		0.10	<0.005	<0.2	1.78	5	<10	80	<0.5	<2	0.28	<0.5	11	84	43	3.08
E003268		0.16	<0.005	<0.2	1.82	7	<10	120	<0.5	<2	0.18	<0.5	8	25	11	2.76
E003269		0.12	<0.005	<0.2	2.77	13	<10	110	0.5	<2	0.16	<0.5	15	38	26	3.28
E003270		0.14	0.008	<0.2	1.55	7	<10	140	<0.5	<2	0.22	<0.5	10	29	34	2.36
E003271		Not Recvd														
E003272		0.06	NSS	<0.2	0.58	2	<10	150	<0.5	<2	0.37	<0.5	4	8	22	0.80
E003273		0.12	<0.005	<0.2	0.85	4	<10	60	<0.5	<2	0.14	<0.5	3	19	11	1.39
E003274		0.10	<0.005	<0.2	0.66	2	<10	90	<0.5	<2	0.07	<0.5	2	13	11	1.12
E003275		0.10	<0.005	<0.2	0.78	5	<10	90	<0.5	<2	0.09	<0.5	3	14	7	1.80
E003276		0.08	<0.005	<0.2	0.58	5	<10	100	<0.5	<2	0.10	<0.5	2	12	7	1.30
E003277		0.08	<0.005	<0.2	1.11	3	<10	110	<0.5	<2	0.12	<0.5	6	19	14	2.12
E003278		0.08	<0.005	<0.2	1.05	5	<10	100	<0.5	<2	0.13	<0.5	5	22	17	1.93
E003279		0.10	<0.005	<0.2	0.88	5	<10	100	<0.5	<2	0.12	<0.5	3	16	10	1.44
E003280		0.10	<0.005	<0.2	1.02	3	<10	120	<0.5	<2	0.12	<0.5	6	28	15	1.59
E003281		0.10	<0.005	<0.2	1.73	5	<10	140	<0.5	<2	0.16	<0.5	10	104	11	2.48
E003282		0.10	<0.005	<0.2	2.04	10	<10	140	<0.5	<2	0.15	<0.5	9	39	20	2.89
E003283		0.22	<0.005	<0.2	1.31	3	<10	70	<0.5	<2	0.13	<0.5	10	65	29	1.65
E003284		0.16	<0.005	<0.2	0.50	<2	<10	90	<0.5	<2	0.15	<0.5	2	9	13	0.73
E003285		0.20	<0.005	0.4	2.39	9	<10	170	<0.5	<2	0.16	<0.5	19	76	102	3.28
E003286		0.16	<0.005	<0.2	0.28	<2	<10	70	<0.5	<2	0.11	<0.5	1	9	9	0.45
E003287		0.28	<0.005	<0.2	0.91	4	<10	150	<0.5	<2	0.27	<0.5	4	33	25	1.51
E003288		0.22	<0.005	<0.2	0.81	3	<10	90	<0.5	<2	0.20	<0.5	9	177	16	1.42
E003289		0.30	<0.005	<0.2	1.45	4	<10	160	<0.5	2	0.15	<0.5	8	40	29	3.19
E003290		0.18	<0.005	<0.2	0.30	2	<10	60	<0.5	<2	0.06	<0.5	1	6	6	0.69
E003291		0.16	<0.005	<0.2	1.99	6	<10	80	<0.5	<2	0.50	<0.5	20	93	125	4.18
E003292		0.14	0.006	<0.2	1.44	3	<10	200	<0.5	<2	0.48	<0.5	41	153	106	3.00
E003293		0.18	<0.005	0.2	3.04	13	<10	150	0.5	<2	0.16	<0.5	27	69	113	4.41
E003294		0.16	<0.005	<0.2	1.30	9	<10	80	<0.5	<2	0.17	<0.5	6	22	20	2.52
E003295		0.22	<0.005	<0.2	1.87	8	<10	140	<0.5	<2	0.21	<0.5	11	57	26	3.09
E003296		0.24	<0.005	<0.2	0.65	4	<10	40	<0.5	<2	0.19	<0.5	6	37	25	1.15
E003297		0.18	<0.005	<0.2	1.02	6	<10	110	<0.5	<2	0.15	<0.5	3	17	12	1.65
E003298		0.14	<0.005	<0.2	0.49	<2	<10	70	<0.5	<2	0.07	<0.5	1	10	16	0.80
E003299		0.24	<0.005	0.2	1.57	8	<10	170	<0.5	<2	0.16	<0.5	9	42	23	2.95
E003300		0.32	<0.005	<0.2	2.37	10	<10	140	<0.5	<2	0.14	<0.5	14	48	33	3.39



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003261		10	<1	0.03	10	0.13	99	1	0.01	7	190	7	0.01	<2	1	7
E003262		10	1	0.04	<10	0.33	573	1	0.01	23	290	8	0.01	<2	2	12
E003263		10	<1	0.05	10	0.47	341	<1	0.02	17	260	7	0.01	<2	2	12
E003264		10	1	0.03	<10	0.24	112	1	0.01	28	200	5	0.01	<2	1	8
E003265		<10	<1	0.06	10	0.51	263	1	0.01	31	330	6	0.01	<2	3	25
E003266		10	<1	0.05	10	0.30	110	<1	0.02	20	530	4	0.04	<2	2	19
E003267		10	<1	0.03	<10	0.93	194	1	0.03	54	400	4	0.01	<2	4	10
E003268		10	<1	0.03	<10	0.36	188	<1	0.02	13	220	7	<0.01	<2	2	12
E003269		10	1	0.03	10	0.46	286	1	0.02	28	320	8	0.01	<2	4	12
E003270		<10	<1	0.04	10	0.43	176	1	0.02	21	750	5	0.03	<2	3	16
E003271																
E003272		<10	1	0.04	10	0.06	69	<1	0.04	7	1050	2	0.10	<2	1	32
E003273		<10	1	0.02	<10	0.22	93	<1	0.02	8	280	4	0.01	<2	1	11
E003274		<10	<1	0.03	10	0.10	50	<1	0.02	7	250	6	0.01	<2	1	9
E003275		10	<1	0.02	<10	0.13	133	1	0.01	7	230	5	0.01	<2	1	7
E003276		10	1	0.03	<10	0.13	86	1	0.01	5	320	4	0.01	<2	<1	10
E003277		<10	<1	0.02	<10	0.31	151	<1	0.02	10	300	4	0.01	<2	2	7
E003278		<10	<1	0.04	<10	0.22	173	<1	0.02	14	440	5	0.02	<2	1	11
E003279		<10	<1	0.02	<10	0.16	130	<1	0.02	8	270	4	0.01	<2	1	11
E003280		10	<1	0.02	<10	0.31	97	<1	0.02	12	100	4	<0.01	<2	1	7
E003281		10	<1	0.03	<10	0.65	165	1	0.01	49	170	5	<0.01	<2	3	10
E003282		10	<1	0.04	10	0.52	187	<1	0.01	26	330	6	<0.01	<2	3	13
E003283		<10	1	0.04	<10	0.58	113	<1	0.01	44	200	3	0.01	<2	2	6
E003284		<10	<1	0.02	<10	0.03	21	<1	0.02	10	1130	4	0.03	<2	<1	16
E003285		10	<1	0.03	10	0.59	232	1	0.01	243	250	9	0.01	<2	3	12
E003286		<10	1	0.02	<10	0.04	59	<1	0.02	10	550	2	0.01	<2	<1	10
E003287		<10	<1	0.04	<10	0.21	88	<1	0.02	25	340	6	0.02	<2	1	21
E003288		<10	<1	0.02	<10	0.96	108	<1	0.01	92	150	2	0.01	<2	2	8
E003289		10	<1	0.04	<10	0.57	210	1	0.02	26	420	6	0.01	<2	2	12
E003290		<10	1	0.02	<10	0.03	25	<1	0.02	5	440	2	0.02	<2	<1	7
E003291		10	1	0.03	<10	1.55	312	<1	0.02	134	1000	5	0.01	<2	2	27
E003292		<10	1	0.06	10	1.41	469	2	0.02	195	600	4	0.01	<2	4	27
E003293		10	<1	0.05	10	0.56	244	2	0.01	104	310	8	<0.01	<2	4	12
E003294		<10	<1	0.06	<10	0.33	176	1	0.01	12	330	4	<0.01	<2	2	12
E003295		10	1	0.05	10	0.58	249	1	0.01	39	360	6	<0.01	<2	3	13
E003296		<10	<1	0.02	<10	0.31	112	<1	0.01	45	260	<2	<0.01	<2	1	6
E003297		10	<1	0.03	10	0.22	107	1	0.01	6	280	6	<0.01	<2	1	12
E003298		<10	<1	0.02	<10	0.04	20	<1	0.02	5	680	<2	<0.01	<2	<1	9
E003299		10	<1	0.03	10	0.37	199	1	0.01	63	270	6	<0.01	<2	2	13
E003300		10	1	0.03	10	0.53	243	1	0.01	47	250	6	<0.01	<2	4	11



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## CERTIFICATE OF ANALYSIS VA09111202

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
E003261		<20	0.07	<10	<10	65	<10	26
E003262		<20	0.08	<10	<10	72	<10	47
E003263		<20	0.12	<10	<10	76	<10	54
E003264		<20	0.11	<10	<10	66	<10	28
E003265		<20	0.09	<10	<10	62	<10	39
E003266		<20	0.05	<10	<10	29	<10	24
E003267		<20	0.12	<10	<10	81	<10	31
E003268		<20	0.08	<10	<10	71	<10	49
E003269		<20	0.09	<10	<10	83	<10	63
E003270		<20	0.07	<10	<10	59	<10	40
E003271		<20	0.01	<10	<10	12	<10	16
E003272		<20	0.06	<10	<10	45	<10	22
E003273		<20	0.05	<10	<10	38	<10	20
E003274		<20	0.07	<10	<10	54	<10	27
E003275		<20	0.04	<10	<10	42	<10	28
E003276		<20	0.07	<10	<10	55	<10	30
E003277		<20	0.06	<10	<10	50	<10	32
E003278		<20	0.05	<10	<10	34	<10	22
E003279		<20	0.08	<10	<10	44	<10	22
E003280		<20	0.06	<10	<10	67	<10	32
E003281		<20	0.09	<10	<10	69	<10	40
E003282		<20	0.08	<10	<10	34	<10	20
E003283		<20	<0.01	<10	<10	14	<10	8
E003284		<20	0.08	<10	<10	79	<10	55
E003285		<20	0.01	<10	<10	11	<10	9
E003286		<20	0.05	<10	<10	42	<10	16
E003287		<20	0.06	<10	<10	40	<10	23
E003288		<20	0.13	<10	<10	71	<10	37
E003289		<20	0.01	<10	<10	15	<10	6
E003290		<20	0.21	<10	<10	71	<10	56
E003291		<20	0.08	<10	<10	46	<10	50
E003292		<20	0.10	<10	<10	86	<10	58
E003293		<20	0.08	<10	<10	54	<10	37
E003294		<20	0.10	<10	<10	67	<10	51
E003295		<20	0.05	<10	<10	27	<10	16
E003296		<20	0.05	<10	<10	45	<10	29
E003297		<20	0.01	<10	<10	16	<10	6
E003298		<20	0.08	<10	<10	73	<10	37
E003299		<20	0.09	<10	<10	76	<10	52
E003300		<20	0.09	<10	<10	76	<10	52



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## CERTIFICATE OF ANALYSIS VA09111202

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003301		0.18	<0.005	<0.2	1.44	7	<10	130	<0.5	<2	0.13	<0.5	5	28	14	2.47
E003302		0.36	0.005	<0.2	1.78	6	<10	120	<0.5	<2	0.16	<0.5	6	30	37	3.25
E003303		0.22	<0.005	<0.2	1.48	10	<10	180	<0.5	<2	0.17	0.5	5	30	12	3.29
E003304		0.22	<0.005	<0.2	1.00	21	<10	120	<0.5	<2	0.13	<0.5	4	20	13	2.13
E003305		0.16	<0.005	<0.2	0.68	5	<10	190	<0.5	<2	2.16	1.5	6	18	26	1.11
E003306		0.26	<0.005	<0.2	1.56	52	<10	120	0.6	<2	0.17	<0.5	16	38	84	5.76
E003307		0.20	<0.005	0.4	3.16	5	<10	100	<0.5	<2	0.40	<0.5	18	74	72	5.61
E003308		0.16	<0.005	<0.2	2.19	18	<10	160	<0.5	<2	0.07	<0.5	13	38	55	4.82
E003309		0.14	<0.005	0.2	2.06	13	<10	160	<0.5	<2	0.27	<0.5	8	35	16	3.92
E003310		Not Recvd														
E003311		0.14	<0.005	0.2	1.62	11	<10	220	<0.5	<2	0.11	<0.5	6	35	26	4.09
E003312		0.24	<0.005	<0.2	0.39	2	<10	70	<0.5	<2	0.10	<0.5	1	12	11	0.79
E003313		0.24	<0.005	0.3	2.23	46	<10	310	<0.5	<2	0.15	0.8	11	88	58	3.47
E003314		0.18	<0.005	0.4	1.17	23	<10	120	<0.5	<2	0.16	0.6	7	27	49	3.43
E003315		0.18	<0.005	0.3	0.85	13	<10	690	<0.5	<2	0.18	1.2	4	23	31	1.87
E003316		0.26	<0.005	0.2	0.45	5	<10	360	<0.5	<2	0.05	<0.5	1	11	15	1.04
E003317		0.14	<0.005	<0.2	0.35	2	<10	120	<0.5	<2	0.09	<0.5	1	11	8	0.64
E003318		0.26	<0.005	<0.2	2.45	15	<10	120	<0.5	<2	0.11	<0.5	9	41	20	3.86
E003319		0.22	<0.005	0.2	1.29	10	<10	100	<0.5	<2	0.15	<0.5	4	24	12	2.62
E003320		0.34	<0.005	<0.2	1.87	9	<10	150	<0.5	<2	0.13	<0.5	6	30	10	3.22
E003321		0.30	<0.005	0.3	2.11	12	<10	170	<0.5	<2	0.18	0.5	7	33	15	3.53
E003322		0.28	<0.005	<0.2	1.89	7	<10	110	<0.5	<2	0.13	<0.5	7	29	15	3.12
E003323		0.18	<0.005	0.3	1.25	9	<10	120	<0.5	<2	0.11	0.5	4	22	22	2.20
E003324		0.22	<0.005	0.5	1.32	11	<10	140	<0.5	<2	0.12	<0.5	5	24	15	2.56
E003325		0.34	<0.005	0.8	2.31	29	<10	210	0.5	<2	0.14	<0.5	9	28	23	3.15
E003326		0.14	<0.005	0.6	1.06	6	<10	190	<0.5	<2	0.14	0.8	4	19	22	2.63
E003327		0.26	<0.005	0.2	0.96	4	<10	160	<0.5	<2	0.14	<0.5	3	16	9	2.01
E003328		0.24	<0.005	<0.2	1.96	10	<10	140	<0.5	<2	0.12	<0.5	6	34	12	3.77
E003329		0.18	0.010	0.4	1.25	6	<10	210	<0.5	<2	0.09	<0.5	3	24	17	2.67
E003330		0.28	<0.005	0.5	1.98	8	<10	170	<0.5	<2	0.11	<0.5	6	34	24	3.33
E003331		0.20	<0.005	0.9	1.12	6	<10	160	<0.5	<2	0.18	0.9	4	23	14	2.48
E003332		0.20	<0.005	0.2	0.85	2	<10	140	<0.5	<2	0.08	<0.5	1	17	26	1.35
E003333		0.22	<0.005	0.2	2.32	12	<10	180	<0.5	<2	0.33	0.5	9	36	16	3.53
E003334		0.14	0.008	0.2	0.51	2	<10	90	<0.5	<2	0.07	<0.5	1	12	11	1.11
E003335		0.26	<0.005	<0.2	2.18	10	<10	240	<0.5	<2	0.11	<0.5	10	37	18	3.57
E003336		0.28	<0.005	<0.2	0.45	<2	<10	90	<0.5	<2	0.06	<0.5	1	8	20	0.85
E003337		0.22	<0.005	0.4	1.06	7	<10	100	<0.5	<2	0.08	<0.5	2	20	13	2.41
E003338		0.30	<0.005	0.3	1.71	9	<10	160	<0.5	<2	0.12	<0.5	4	30	39	3.12
E003339		0.30	<0.005	<0.2	4.24	21	<10	240	0.5	<2	0.15	0.5	15	55	31	4.21
E003340		0.32	<0.005	<0.2	2.19	12	<10	180	<0.5	<2	0.12	<0.5	8	38	17	3.59



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003301		10	<1	0.02	10	0.31	177	1	0.01	12	280	7	<0.01	<2	2	11
E003302		<10	1	0.04	10	0.43	193	<1	0.01	41	410	8	<0.01	<2	4	10
E003303		10	<1	0.06	10	0.33	208	1	0.01	12	470	8	<0.01	<2	2	14
E003304		10	<1	0.04	10	0.21	144	1	0.01	10	410	5	<0.01	<2	1	12
E003305		<10	<1	0.03	10	0.27	844	2	0.05	20	1250	4	0.19	<2	1	72
E003306		10	<1	0.12	30	0.58	1025	5	0.01	46	710	14	0.03	2	5	17
E003307		10	<1	0.12	30	2.03	634	2	<0.01	53	1750	9	0.02	<2	6	20
E003308		10	<1	0.07	20	0.91	364	2	<0.01	51	350	9	0.03	<2	5	23
E003309		10	<1	0.04	10	0.46	211	1	0.01	18	330	8	<0.01	<2	3	21
E003310																
E003311		10	<1	0.09	20	0.41	164	2	0.01	20	400	8	0.05	<2	3	17
E003312		<10	<1	0.02	<10	0.05	28	1	0.01	2	410	<2	0.01	<2	<1	10
E003313		10	<1	0.08	10	1.02	284	2	0.01	98	470	9	0.02	<2	6	16
E003314		<10	<1	0.07	10	0.33	218	3	0.01	28	760	6	0.07	<2	2	20
E003315		<10	<1	0.06	10	0.17	120	2	0.02	18	730	4	0.05	<2	1	20
E003316		<10	<1	0.02	<10	0.04	33	1	0.01	2	350	<2	0.01	<2	<1	7
E003317		<10	<1	0.02	<10	0.04	44	1	0.01	2	500	<2	<0.01	<2	<1	9
E003318		10	<1	0.03	10	0.47	216	2	0.01	17	390	9	<0.01	<2	3	10
E003319		10	<1	0.03	10	0.32	123	2	0.01	9	340	7	<0.01	<2	2	13
E003320		10	<1	0.02	10	0.36	125	2	0.01	11	190	7	<0.01	<2	3	12
E003321		10	<1	0.03	10	0.43	204	1	0.01	17	330	8	<0.01	<2	3	13
E003322		10	<1	0.03	10	0.41	267	2	0.01	12	180	7	<0.01	<2	3	11
E003323		10	<1	0.02	10	0.20	133	2	0.01	18	290	5	<0.01	<2	2	14
E003324		10	<1	0.03	10	0.26	298	2	0.01	11	250	7	<0.01	<2	3	11
E003325		10	<1	0.05	30	0.38	222	3	0.01	27	410	8	<0.01	2	4	16
E003326		<10	<1	0.04	10	0.17	212	2	0.01	21	440	7	0.01	<2	2	20
E003327		10	<1	0.02	10	0.15	122	1	0.01	3	150	6	<0.01	<2	2	10
E003328		10	1	0.03	10	0.42	195	1	0.01	14	310	8	<0.01	3	3	9
E003329		10	<1	0.06	10	0.27	108	2	0.01	11	370	7	0.06	3	2	15
E003330		10	<1	0.05	10	0.63	251	1	0.01	18	370	7	0.05	<2	3	13
E003331		10	<1	0.04	10	0.26	153	1	0.01	10	450	8	0.03	2	2	19
E003332		<10	<1	0.03	10	0.09	49	<1	0.01	5	1060	5	0.02	2	<1	14
E003333		<10	<1	0.05	10	0.41	224	1	0.01	33	590	9	0.02	4	1	23
E003334		<10	<1	0.03	<10	0.06	57	<1	0.01	5	410	3	0.02	<2	<1	10
E003335		10	<1	0.04	10	0.44	259	1	<0.01	22	400	8	0.01	3	3	13
E003336		<10	<1	0.01	<10	0.06	73	<1	0.01	5	210	<2	<0.01	<2	<1	8
E003337		10	<1	0.02	10	0.19	92	1	<0.01	7	290	7	0.01	3	1	12
E003338		<10	<1	0.06	10	0.39	148	2	0.01	16	340	7	0.06	2	3	21
E003339		10	1	0.04	10	0.54	282	2	0.01	41	420	8	0.02	<2	5	18
E003340		10	<1	0.04	10	0.46	195	1	0.01	21	330	11	0.02	<2	3	15



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Ti	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR	20	0.01	10	10	1	10	2	
E003301	<20	0.07	<10	<10	63	<10	34	
E003302	<20	0.05	<10	<10	69	<10	66	
E003303	<20	0.07	<10	<10	78	<10	52	
E003304	<20	0.03	<10	<10	48	<10	36	
E003305	<20	0.03	<10	<10	27	<10	30	
E003306	<20	0.07	<10	<10	93	<10	134	
E003307	<20	0.10	<10	<10	78	<10	92	
E003308	<20	0.02	<10	<10	56	<10	84	
E003309	<20	0.09	<10	<10	86	<10	64	
E003310								
E003311	<20	0.10	<10	<10	79	<10	49	
E003312	<20	0.01	<10	<10	19	<10	14	
E003313	<20	0.11	<10	<10	84	<10	116	
E003314	<20	0.04	<10	<10	51	<10	118	
E003315	<20	0.03	<10	<10	44	<10	55	
E003316	<20	0.02	<10	<10	23	<10	14	
E003317	<20	0.01	<10	<10	15	<10	9	
E003318	<20	0.08	<10	<10	81	<10	58	
E003319	<20	0.08	<10	<10	82	<10	34	
E003320	<20	0.10	<10	<10	85	<10	38	
E003321	<20	0.08	<10	<10	82	<10	62	
E003322	<20	0.09	<10	<10	88	<10	37	
E003323	<20	0.06	<10	<10	57	<10	64	
E003324	<20	0.06	<10	<10	74	<10	51	
E003325	<20	0.03	<10	<10	60	<10	104	
E003326	<20	0.07	<10	<10	67	<10	84	
E003327	<20	0.08	<10	<10	63	<10	23	
E003328	<20	0.11	<10	<10	94	<10	43	
E003329	<20	0.10	<10	<10	71	<10	36	
E003330	<20	0.11	<10	<10	92	<10	55	
E003331	<20	0.10	<10	<10	82	<10	44	
E003332	<20	0.03	<10	<10	28	<10	15	
E003333	<20	0.07	<10	<10	82	<10	61	
E003334	<20	0.03	<10	<10	28	<10	12	
E003335	<20	0.09	<10	<10	83	<10	65	
E003336	<20	0.02	<10	<10	18	<10	16	
E003337	<20	0.08	<10	<10	78	<10	29	
E003338	<20	0.08	<10	<10	74	<10	70	
E003339	<20	0.12	<10	<10	88	<10	74	
E003340	<20	0.09	<10	<10	80	<10	54	



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003341		0.22	<0.005	<0.2	1.26	6	<10	150	<0.5	<2	0.19	<0.5	4	21	11	2.29
E003342		0.28	<0.005	<0.2	2.36	13	<10	250	<0.5	<2	0.19	<0.5	10	37	17	3.54
E003343		0.26	<0.005	0.8	1.84	11	<10	170	<0.5	<2	0.14	<0.5	6	30	26	3.53
E003344		0.32	<0.005	0.2	1.87	11	<10	500	<0.5	<2	0.18	<0.5	7	32	12	3.56
E003345		0.30	<0.005	<0.2	1.64	14	<10	290	<0.5	<2	0.18	<0.5	6	28	17	3.11
E003346		0.26	0.006	<0.2	0.87	5	<10	80	<0.5	<2	0.13	<0.5	2	15	9	1.50
E003347		0.18	<0.005	<0.2	2.06	8	<10	190	<0.5	<2	0.15	<0.5	9	33	15	3.13
E003348		0.18	<0.005	<0.2	1.11	6	<10	120	<0.5	<2	0.11	<0.5	4	20	8	2.01
E003349		0.46	<0.005	<0.2	2.06	10	<10	210	<0.5	<2	0.17	<0.5	8	37	26	3.58
E003373		0.18	0.005	0.5	1.28	5	<10	190	0.7	<2	0.32	<0.5	8	25	31	1.81
E003374		0.28	0.014	<0.2	1.93	4	<10	590	1.4	<2	1.98	<0.5	8	27	29	1.71
E003375		0.34	<0.005	0.3	1.84	8	<10	280	1.9	<2	2.48	<0.5	5	19	68	1.57
E003376		Not Recvd														
E003377		0.22	<0.005	<0.2	1.02	5	<10	240	<0.5	<2	0.37	<0.5	6	21	11	2.07
E003378		0.20	0.007	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
E003379		0.16	0.007	0.3	1.28	8	<10	300	<0.5	<2	0.25	0.7	5	20	25	1.81
E003380		0.20	<0.005	<0.2	1.20	4	<10	180	<0.5	<2	0.62	<0.5	4	19	8	2.26
E003381		0.18	<0.005	0.5	1.01	4	<10	440	<0.5	<2	0.26	0.8	9	24	20	2.34
E003382		0.20	<0.005	<0.2	0.89	8	<10	140	<0.5	<2	0.18	<0.5	3	15	9	1.55
E003383		0.24	<0.005	<0.2	1.35	6	<10	260	<0.5	<2	0.34	<0.5	7	25	13	2.24
E003384		0.26	<0.005	<0.2	1.46	12	<10	160	<0.5	<2	0.22	<0.5	6	26	13	2.21
E003385		0.50	<0.005	<0.2	1.95	14	<10	190	<0.5	<2	0.22	<0.5	8	31	20	2.58
E003386		0.32	<0.005	<0.2	1.49	8	<10	250	<0.5	<2	0.22	<0.5	4	22	25	1.90
E003387		0.30	<0.005	<0.2	0.62	3	<10	110	<0.5	<2	0.16	<0.5	1	11	15	0.75
E003388		0.32	<0.005	<0.2	1.78	7	<10	210	0.6	<2	0.25	<0.5	5	30	28	2.24
E003389		0.16	<0.005	<0.2	0.57	2	<10	60	<0.5	<2	0.09	<0.5	2	12	7	1.09
E003390		Not Recvd														
E003391		0.22	<0.005	1.8	1.91	7	<10	540	0.6	<2	0.43	1.3	6	32	73	2.38
E003392		0.22	0.005	0.4	0.55	5	<10	120	<0.5	<2	0.08	<0.5	1	12	15	0.83
E003393		0.32	<0.005	<0.2	1.85	11	<10	190	<0.5	<2	0.20	<0.5	7	35	21	3.16
E003394		0.44	<0.005	0.5	1.91	12	<10	230	<0.5	<2	0.17	0.5	6	32	26	2.93
E003395		0.30	<0.005	0.5	1.76	8	<10	250	<0.5	<2	0.25	0.5	6	29	26	2.51
E003396		0.34	<0.005	<0.2	0.55	3	<10	220	<0.5	<2	0.17	<0.5	1	11	19	0.81
E003397		0.18	<0.005	<0.2	1.90	9	<10	230	<0.5	<2	0.20	<0.5	9	37	36	3.03
E003398		0.20	<0.005	<0.2	1.20	17	<10	230	<0.5	<2	0.16	<0.5	4	24	19	2.70
E003399		0.16	<0.005	0.3	0.38	<2	<10	80	<0.5	<2	0.11	<0.5	2	9	8	0.89
E003400		0.24	<0.005	0.7	1.07	6	<10	200	<0.5	<2	0.10	<0.5	3	18	21	1.82





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## CERTIFICATE OF ANALYSIS VA09111202

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003341		<10	<1	0.02	10	0.24	261	1	0.01	10	180	10	<0.01	<2	2	14
E003342		<10	<1	0.04	10	0.52	310	1	0.01	22	380	11	0.01	<2	3	19
E003343		10	<1	0.05	10	0.34	189	2	0.01	20	960	13	0.01	<2	3	16
E003344		10	<1	0.03	10	0.38	220	2	0.01	15	530	13	0.01	<2	2	18
E003345		10	<1	0.03	10	0.31	232	2	0.01	16	620	12	0.01	<2	2	20
E003346		10	<1	0.02	10	0.12	87	1	<0.01	5	110	9	<0.01	<2	1	11
E003347		10	<1	0.03	10	0.40	186	1	0.01	21	190	11	<0.01	<2	3	15
E003348		10	<1	0.03	10	0.23	123	1	0.01	11	250	11	0.01	<2	2	11
E003349		10	1	0.03	10	0.43	281	2	0.01	25	350	13	0.03	<2	4	19
E003373		10	<1	0.05	10	0.21	588	1	0.02	18	360	21	0.02	<2	3	37
E003374		<10	<1	0.05	20	0.36	548	1	0.02	29	1100	23	0.11	<2	5	201
E003375		<10	<1	0.07	40	0.34	300	1	0.02	35	840	17	0.15	<2	6	277
E003376																
E003377		10	<1	0.04	10	0.23	923	2	0.01	12	800	9	0.01	<2	2	29
E003378		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
E003379		10	<1	0.07	10	0.21	172	2	0.01	14	360	11	0.02	<2	2	39
E003380		10	<1	0.05	10	0.23	248	1	0.01	10	360	14	0.01	<2	2	56
E003381		<10	<1	0.05	10	0.23	990	2	0.01	19	510	10	0.01	<2	2	25
E003382		<10	<1	0.03	10	0.16	100	1	0.01	7	270	10	0.01	<2	1	15
E003383		<10	<1	0.07	10	0.35	751	1	0.01	15	480	12	0.02	<2	2	32
E003384		10	<1	0.05	10	0.32	171	1	0.01	15	320	13	0.01	<2	3	18
E003385		10	<1	0.04	10	0.48	180	1	0.01	22	250	12	0.01	<2	3	19
E003386		10	<1	0.05	10	0.23	157	1	0.02	14	250	12	0.01	<2	3	25
E003387		<10	<1	0.03	<10	0.08	36	<1	0.01	6	230	6	0.01	<2	1	22
E003388		10	<1	0.04	10	0.32	137	1	0.02	20	350	21	0.02	<2	3	34
E003389		<10	<1	0.02	<10	0.10	69	1	0.01	3	190	5	<0.01	<2	1	9
E003390																
E003391		10	<1	0.06	20	0.27	342	2	0.02	24	690	11	0.02	<2	4	48
E003392		<10	<1	0.02	10	0.08	36	1	0.01	2	240	3	<0.01	<2	1	12
E003393		10	<1	0.04	10	0.49	185	1	0.01	17	360	8	<0.01	<2	3	19
E003394		10	<1	0.03	10	0.43	188	2	0.01	17	250	7	<0.01	<2	3	17
E003395		<10	<1	0.04	10	0.32	152	1	0.01	16	360	6	<0.01	<2	3	28
E003396		<10	<1	0.02	<10	0.03	24	1	0.02	4	740	<2	<0.01	<2	<1	20
E003397		10	<1	0.05	10	0.51	271	1	0.02	20	450	6	<0.01	<2	4	17
E003398		<10	<1	0.06	10	0.27	201	2	0.01	15	970	6	0.01	<2	1	23
E003399		<10	<1	0.03	<10	0.06	292	1	0.02	2	560	<2	<0.01	<2	<1	8
E003400		<10	<1	0.02	10	0.12	79	1	0.01	7	820	7	<0.01	<2	2	11



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<b>CERTIFICATE OF ANALYSIS VA09111202</b>
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Method Analyte Units LOR	ME-ICP41 Th ppm	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
Sample Description	20	0.01	10	10	1	10	2
E003341	<20	0.07	<10	<10	64	<10	32
E003342	<20	0.09	<10	<10	76	<10	52
E003343	<20	0.07	<10	<10	78	<10	61
E003344	<20	0.07	<10	<10	85	<10	56
E003345	<20	0.06	<10	<10	76	<10	49
E003346	<20	0.08	<10	<10	56	<10	17
E003347	<20	0.08	<10	<10	72	<10	41
E003348	<20	0.07	<10	<10	57	<10	26
E003349	<20	0.11	<10	<10	106	<10	62
E003373	<20	0.06	<10	<10	41	<10	32
E003374	<20	0.04	<10	<10	30	<10	45
E003375	<20	0.02	<10	<10	24	<10	44
E003376							
E003377	<20	0.07	<10	<10	55	<10	56
E003378	NSS	NSS	NSS	NSS	NSS	NSS	NSS
E003379	<20	0.04	<10	<10	41	<10	45
E003380	<20	0.06	<10	<10	61	<10	50
E003381	<20	0.05	<10	<10	57	<10	74
E003382	<20	0.06	<10	<10	48	<10	22
E003383	<20	0.06	<10	<10	57	<10	44
E003384	<20	0.08	<10	<10	63	<10	42
E003385	<20	0.06	<10	<10	61	<10	57
E003386	<20	0.02	<10	<10	46	<10	43
E003387	<20	0.03	<10	<10	18	<10	17
E003388	<20	0.07	<10	<10	58	<10	46
E003389	<20	0.04	<10	<10	33	<10	21
E003390							
E003391	<20	0.03	<10	<10	52	<10	70
E003392	<20	0.03	<10	<10	23	<10	18
E003393	<20	0.08	<10	<10	70	<10	62
E003394	<20	0.07	<10	<10	76	<10	61
E003395	<20	0.06	<10	<10	65	<10	55
E003396	<20	0.01	<10	<10	15	<10	10
E003397	<20	0.07	<10	<10	69	<10	50
E003398	<20	0.04	<10	<10	62	<10	60
E003399	<20	0.04	<10	<10	22	<10	33
E003400	<20	0.05	<10	<10	45	<10	33



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## CERTIFICATE OF ANALYSIS VA09111202

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.



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## CERTIFICATE VA09111203

Project: HAO09-01

P.O. No.: HAO09-01

This report is for 161 Soil samples submitted to our lab in Vancouver, BC, Canada on 6-OCT-2009.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL

HENRY AWMACK

NEIL PERK

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41d	Screen to -100um, save both
LOG-22d	Sample login - Rcd w/o BarCode dup
SCR-41	Screen to -180um and save both
LOG-24	Pulp Login - Rcd w/o Barcode

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
ATTN: NEIL PERK  
700 - 700 PENDER ST.  
VANCOUVER BC V6C 1G8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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## CERTIFICATE OF ANALYSIS VA09111203

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003401		0.46	<0.005	<0.2	1.60	7	<10	120	<0.5	<2	0.22	<0.5	9	29	30	2.65
E003402		0.64	<0.005	<0.2	1.74	3	<10	140	<0.5	<2	0.28	<0.5	13	39	38	2.56
E003403		0.38	<0.005	0.2	2.80	6	<10	270	<0.5	<2	0.47	<0.5	22	65	67	3.75
E003404		0.46	<0.005	<0.2	1.70	9	<10	120	<0.5	<2	0.22	<0.5	11	50	27	3.31
E003405		0.48	<0.005	<0.2	1.45	4	<10	160	<0.5	<2	0.27	<0.5	10	35	38	2.58
E003406		0.36	0.024	<0.2	0.44	<2	<10	30	<0.5	<2	0.05	<0.5	2	9	8	0.92
E003407		0.54	<0.005	<0.2	1.87	4	<10	100	<0.5	<2	0.25	<0.5	13	144	39	2.84
E003408		0.50	<0.005	<0.2	1.90	3	<10	80	<0.5	<2	0.18	<0.5	11	87	42	3.33
E003409		0.50	<0.005	<0.2	1.65	4	<10	70	<0.5	<2	0.18	<0.5	8	54	28	2.93
E003410		0.10	<0.005	<0.2	0.02	<2	<10	10	<0.5	<2	0.01	<0.5	<1	1	<1	0.04
E003411		0.46	<0.005	<0.2	1.75	<2	<10	90	<0.5	<2	0.17	<0.5	10	63	32	3.07
E003412		0.28	<0.005	<0.2	0.31	<2	<10	40	<0.5	<2	0.06	<0.5	1	8	10	0.60
E003413		0.42	<0.005	<0.2	0.68	2	<10	80	<0.5	2	0.09	<0.5	1	15	19	1.33
E003414		0.44	<0.005	<0.2	1.75	8	<10	130	<0.5	<2	0.12	<0.5	7	30	17	3.14
E003415		0.50	<0.005	<0.2	1.84	13	<10	110	<0.5	<2	0.16	<0.5	8	30	19	4.35
E003416		0.44	<0.005	<0.2	2.24	10	<10	170	<0.5	<2	0.14	<0.5	9	34	17	3.21
E003417		0.44	<0.005	<0.2	0.86	3	<10	60	<0.5	<2	0.08	<0.5	2	13	9	1.62
E003418		0.48	<0.005	<0.2	1.46	36	<10	90	<0.5	2	0.10	<0.5	5	24	12	3.41
E003419		0.54	<0.005	<0.2	1.87	8	<10	170	<0.5	2	0.14	<0.5	9	22	26	2.79
E003420		0.50	<0.005	<0.2	1.70	7	<10	170	<0.5	<2	0.13	<0.5	9	19	26	2.60
E003421		0.48	<0.005	<0.2	0.87	8	<10	50	<0.5	<2	0.08	<0.5	1	11	11	1.51
E003422		0.38	<0.005	<0.2	1.56	9	<10	100	<0.5	<2	0.10	<0.5	5	22	10	3.02
E003423		0.34	<0.005	<0.2	0.30	<2	<10	50	<0.5	<2	0.04	<0.5	1	6	4	0.70
E003424		0.48	<0.005	<0.2	1.93	9	<10	130	<0.5	<2	0.19	<0.5	9	31	13	2.89
E003425		0.46	<0.005	<0.2	1.16	5	<10	100	<0.5	<2	0.11	<0.5	3	21	11	2.21
E003426		0.54	<0.005	<0.2	1.70	7	<10	130	<0.5	<2	0.12	<0.5	5	30	11	3.22
E003427		0.38	<0.005	<0.2	2.12	11	<10	170	<0.5	2	0.13	<0.5	8	32	15	3.30
E003428		0.40	<0.005	<0.2	1.09	6	<10	80	<0.5	<2	0.08	<0.5	3	21	8	1.99
E003429		0.34	<0.005	0.2	0.44	<2	<10	60	<0.5	<2	0.06	<0.5	1	6	3	0.70
E003430		0.36	<0.005	<0.2	1.80	10	<10	110	<0.5	<2	0.12	<0.5	7	29	17	3.97
E003431		Not Recvd														
E003432		0.42	<0.005	<0.2	2.14	7	<10	170	<0.5	<2	0.14	<0.5	7	27	14	3.17
E003433		0.34	<0.005	<0.2	0.73	4	<10	80	<0.5	<2	0.10	<0.5	2	12	9	1.51
E003434		0.38	<0.005	<0.2	1.59	11	<10	150	<0.5	<2	0.17	<0.5	6	25	11	3.16
E003435		0.52	<0.005	<0.2	1.71	7	<10	180	<0.5	<2	0.09	<0.5	5	19	9	2.65
E003436		0.30	<0.005	<0.2	1.33	7	<10	100	<0.5	<2	0.12	<0.5	3	24	11	2.57
E003437		0.24	<0.005	<0.2	1.44	5	<10	60	<0.5	<2	0.10	<0.5	3	22	10	2.71
E003438		0.36	<0.005	<0.2	1.38	10	<10	110	<0.5	2	0.09	<0.5	4	24	10	2.49
E003439		0.40	<0.005	<0.2	1.30	5	<10	120	<0.5	<2	0.16	<0.5	5	20	8	1.94
E003440		0.36	<0.005	<0.2	1.30	4	<10	130	<0.5	<2	0.16	<0.5	5	21	9	1.92



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CERTIFICATE OF ANALYSIS	VA09111203
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units LOR	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003401		10	<1	0.06	10	0.53	196	<1	0.01	19	500	5	0.04	<2	3	18
E003402		10	<1	0.03	10	0.57	204	<1	0.01	24	470	4	0.01	<2	4	20
E003403		10	<1	0.07	10	0.78	464	<1	0.02	46	650	3	0.05	<2	8	30
E003404		10	<1	0.04	10	0.57	391	<1	0.01	27	510	4	0.02	<2	6	14
E003405		<10	<1	0.06	10	0.55	222	<1	0.01	24	670	2	0.03	<2	3	17
E003406		<10	<1	0.01	<10	0.07	40	<1	0.01	3	230	<2	0.02	<2	<1	7
E003407		10	<1	0.06	10	0.96	179	<1	0.01	70	550	2	0.02	<2	3	15
E003408		10	<1	0.11	10	1.07	318	<1	0.01	58	390	<2	0.02	<2	4	10
E003409		10	<1	0.10	<10	0.88	205	<1	0.01	27	290	2	0.02	<2	3	11
E003410		<10	<1	<0.01	<10	0.01	<5	<1	<0.01	<1	20	<2	0.01	<2	<1	1
E003411		10	<1	0.20	<10	1.01	252	<1	0.01	29	280	<2	0.02	<2	4	9
E003412		<10	<1	0.02	<10	0.03	35	<1	0.01	2	400	<2	0.02	<2	<1	8
E003413		<10	<1	0.03	10	0.05	49	<1	0.01	5	550	8	0.04	<2	<1	12
E003414		10	<1	0.05	10	0.41	254	<1	0.01	18	320	5	0.02	<2	3	12
E003415		10	<1	0.12	10	0.48	296	<1	0.01	20	430	7	0.02	<2	3	15
E003416		10	<1	0.05	10	0.49	263	<1	0.01	20	280	7	0.02	<2	4	15
E003417		10	<1	0.04	10	0.12	100	<1	0.01	5	260	4	0.02	<2	1	11
E003418		10	<1	0.04	10	0.30	213	1	0.01	11	350	5	0.02	<2	2	11
E003419		10	<1	0.14	20	0.38	308	<1	0.01	14	500	5	0.02	<2	5	11
E003420		<10	<1	0.13	20	0.33	306	<1	0.01	12	480	6	0.02	<2	5	11
E003421		10	<1	0.06	10	0.16	117	<1	<0.01	5	200	6	0.01	<2	2	8
E003422		10	<1	0.06	10	0.34	154	<1	0.01	11	280	7	0.02	<2	3	11
E003423		<10	<1	0.02	10	0.03	33	<1	0.02	2	180	<2	0.02	<2	<1	6
E003424		10	<1	0.04	10	0.47	278	<1	0.01	18	450	6	0.02	<2	3	17
E003425		10	<1	0.04	10	0.21	135	<1	0.01	11	400	6	0.02	<2	2	12
E003426		10	<1	0.03	10	0.39	198	<1	0.01	14	230	8	0.01	<2	3	14
E003427		10	<1	0.04	10	0.41	179	<1	0.01	15	270	9	0.01	<2	4	14
E003428		<10	<1	0.03	10	0.19	87	<1	0.01	9	230	4	0.02	<2	1	9
E003429		<10	<1	0.02	<10	0.06	44	<1	0.02	3	120	2	0.01	<2	1	7
E003430		10	<1	0.08	10	0.48	243	<1	0.01	16	260	5	0.02	<2	3	12
E003431		10	<1	0.06	10	0.43	216	<1	0.01	17	260	8	0.01	2	4	14
E003432		10	<1	0.03	10	0.12	79	<1	0.01	5	280	5	0.02	<2	1	11
E003433		10	<1	0.06	10	0.40	216	<1	0.01	14	320	8	0.01	<2	3	16
E003434		10	<1	0.06	10	0.25	147	<1	0.01	12	160	7	0.01	<2	3	12
E003435		10	<1	0.06	10	0.25	147	<1	0.01	12	160	7	0.01	<2	3	12
E003436		10	<1	0.03	10	0.28	116	<1	0.01	9	280	9	0.02	<2	2	12
E003437		10	<1	0.05	10	0.25	125	<1	0.01	7	340	7	0.02	<2	2	10
E003438		10	<1	0.03	10	0.27	104	1	0.01	8	260	12	0.01	2	2	13
E003439		<10	<1	0.10	20	0.34	184	<1	0.02	9	280	6	0.01	<2	3	15
E003440		<10	<1	0.10	30	0.34	198	1	0.01	11	270	8	0.01	<2	3	16



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Th	Ti	Ti	U	V	W	
	Units	ppm	%	ppm	ppm	ppm	ppm	
LOR		20	0.01	10	10	1	10	
		Zn						
		ppm					2	
E003401		<20	0.09	<10	<10	59	<10	41
E003402		<20	0.10	<10	<10	62	<10	45
E003403		<20	0.09	<10	<10	76	<10	50
E003404		<20	0.04	<10	<10	56	<10	50
E003405		<20	0.08	<10	<10	60	<10	34
E003406		<20	0.03	<10	<10	24	<10	10
E003407		<20	0.11	<10	<10	62	<10	43
E003408		<20	0.10	<10	<10	67	<10	50
E003409		<20	0.12	<10	<10	66	<10	40
E003410		<20	<0.01	<10	<10	<1	<10	2
E003411		<20	0.13	<10	<10	71	<10	55
E003412		<20	0.01	<10	<10	14	<10	8
E003413		<20	0.01	<10	<10	28	<10	12
E003414		<20	0.09	<10	<10	72	<10	42
E003415		<20	0.11	<10	<10	81	<10	52
E003416		<20	0.09	<10	<10	69	<10	47
E003417		<20	0.08	<10	<10	55	<10	20
E003418		<20	0.10	<10	<10	75	<10	35
E003419		<20	0.03	<10	<10	42	<10	47
E003420		<20	0.03	<10	<10	38	<10	43
E003421		<20	0.11	<10	<10	69	<10	23
E003422		<20	0.06	<10	<10	65	<10	36
E003423		<20	0.02	<10	<10	17	<10	8
E003424		<20	0.09	<10	<10	64	<10	44
E003425		<20	0.05	<10	<10	49	<10	27
E003426		<20	0.09	<10	<10	73	<10	37
E003427		<20	0.09	<10	<10	70	<10	37
E003428		<20	0.06	<10	<10	45	<10	23
E003429		<20	0.05	<10	<10	21	<10	10
E003430		<20	0.13	<10	<10	83	<10	53
E003431		<20	0.09	<10	<10	66	<10	41
E003432		<20	0.05	<10	<10	49	<10	16
E003433		<20	0.10	<10	<10	83	<10	42
E003434		<20	0.03	<10	<10	46	<10	30
E003435		<20	0.08	<10	<10	72	<10	32
E003436		<20	0.07	<10	<10	57	<10	32
E003437		<20	0.08	<10	<10	69	<10	29
E003438		<20	0.08	<10	<10	43	<10	41
E003439		<20	0.08	<10	<10	41	<10	42
E003440		<20	0.08	<10	<10	41	<10	42



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Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003441		0.38	<0.005	<0.2	1.48	10	<10	100	<0.5	<2	0.09	<0.5	4	26	9	2.80
E003442		0.38	<0.005	<0.2	1.82	7	<10	130	<0.5	<2	0.15	<0.5	6	25	11	2.44
E003443		0.58	0.006	0.2	1.12	9	<10	140	<0.5	<2	0.14	<0.5	4	15	10	1.79
E003444		0.42	<0.005	<0.2	1.28	5	<10	80	<0.5	<2	0.09	<0.5	4	17	7	1.96
E003445		0.44	<0.005	<0.2	1.39	7	<10	100	<0.5	<2	0.09	<0.5	4	20	7	2.66
E003446		0.32	<0.005	<0.2	0.76	4	<10	80	<0.5	<2	0.05	<0.5	3	12	7	1.22
E003447		0.64	<0.005	<0.2	1.54	31	<10	170	<0.5	2	0.17	<0.5	4	17	11	2.43
E003448		0.44	<0.005	<0.2	3.39	6	<10	130	<0.5	2	0.16	<0.5	14	133	10	3.67
E003449		0.54	<0.005	<0.2	2.23	9	<10	160	<0.5	<2	0.12	<0.5	9	33	14	3.16
E003450		0.14	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	<0.01	<0.5	<1	<1	<1	0.02
E003451		0.46	<0.005	<0.2	2.41	8	<10	190	0.5	2	0.10	<0.5	11	37	14	3.27
E003452		0.48	<0.005	0.2	2.01	8	<10	150	<0.5	2	0.11	<0.5	6	33	10	3.61
E003453		0.46	<0.005	<0.2	1.32	8	<10	110	<0.5	2	0.07	<0.5	4	17	9	2.31
E003454		0.48	<0.005	<0.2	1.05	3	<10	120	<0.5	<2	0.07	<0.5	2	13	7	1.49
E003455		0.52	<0.005	<0.2	1.18	7	<10	70	<0.5	2	0.06	<0.5	4	18	7	1.89
E003456		0.36	<0.005	<0.2	1.01	4	<10	150	<0.5	<2	0.08	<0.5	2	16	7	1.42
E003457		0.42	<0.005	<0.2	1.89	8	<10	160	<0.5	<2	0.10	<0.5	6	30	12	3.05
E003458		0.34	0.009	<0.2	2.05	7	<10	240	<0.5	2	0.11	<0.5	9	34	13	2.93
E003459		0.32	0.005	<0.2	2.25	11	<10	220	<0.5	2	0.13	<0.5	12	45	16	3.50
E003460		0.32	<0.005	<0.2	2.42	9	<10	270	0.5	<2	0.14	<0.5	15	49	19	3.56
E003461		0.28	<0.005	0.2	2.95	15	<10	170	<0.5	2	0.25	<0.5	20	48	27	4.04
E003462		0.38	<0.005	0.2	2.76	8	<10	200	<0.5	<2	0.10	<0.5	18	43	22	3.55
E003463		0.28	<0.005	0.2	0.60	<2	<10	60	<0.5	<2	0.04	<0.5	2	9	11	1.08
E003464		0.38	<0.005	<0.2	1.94	10	<10	160	<0.5	<2	0.11	<0.5	8	36	16	3.12
E003465		0.48	<0.005	<0.2	2.05	9	<10	160	<0.5	2	0.12	<0.5	10	35	12	3.10
E003466		0.46	<0.005	<0.2	2.41	5	<10	300	0.5	2	0.32	<0.5	10	36	14	2.84
E003467		0.34	<0.005	<0.2	1.94	4	<10	240	<0.5	<2	0.27	<0.5	10	55	28	3.77
E003468		0.40	<0.005	<0.2	1.94	12	<10	300	<0.5	<2	0.07	<0.5	6	39	27	3.56
E003469		0.36	<0.005	<0.2	1.39	22	<10	120	<0.5	2	0.10	<0.5	4	23	15	2.62
E003470		0.50	<0.005	<0.2	2.15	10	<10	180	<0.5	2	0.16	<0.5	11	34	21	3.38
E003471		Not Recvd														
E003472		0.38	<0.005	0.3	2.10	9	<10	290	<0.5	<2	0.12	<0.5	9	36	27	4.13
E003473		0.40	<0.005	0.2	1.90	8	<10	140	<0.5	<2	0.10	<0.5	13	28	17	2.92
E003474		0.44	<0.005	<0.2	2.30	13	<10	200	<0.5	<2	0.12	<0.5	8	37	25	3.78
E003475		0.40	<0.005	1.2	3.08	12	<10	300	0.6	<2	0.12	<0.5	13	41	32	3.35
E003476		0.44	<0.005	0.7	2.22	10	<10	240	<0.5	<2	0.11	<0.5	7	36	19	3.61
E003477		0.34	<0.005	0.4	2.20	12	<10	230	<0.5	<2	0.11	<0.5	7	34	16	3.54
E003478		0.36	<0.005	0.5	1.58	10	<10	130	<0.5	<2	0.10	<0.5	4	28	11	3.17
E003479		0.22	<0.005	<0.2	0.30	<2	<10	40	<0.5	<2	0.06	<0.5	<1	6	5	0.50
E003480		0.22	<0.005	<0.2	0.30	3	<10	50	<0.5	<2	0.06	<0.5	1	6	5	0.51





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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003441		10	<1	0.03	10	0.27	116	1	0.02	8	370	12	0.01	<2	2	13
E003442		10	<1	0.06	10	0.38	168	1	0.02	13	320	9	0.02	<2	3	15
E003443		<10	<1	0.11	30	0.26	185	<1	0.01	7	270	11	0.01	2	3	14
E003444		10	<1	0.07	10	0.22	124	1	0.01	7	250	7	0.01	<2	2	11
E003445		10	<1	0.07	10	0.27	174	1	0.01	7	420	9	0.01	<2	2	12
E003446		<10	<1	0.03	10	0.15	87	1	0.02	4	130	5	0.01	<2	1	8
E003447		10	<1	0.11	10	0.31	296	2	0.01	7	270	15	0.01	<2	4	16
E003448		10	1	0.05	10	1.45	304	<1	0.02	73	170	10	0.01	<2	5	13
E003449		<10	<1	0.04	10	0.44	231	1	0.02	19	200	9	0.01	2	3	15
E003450		<10	<1	<0.01	<10	<0.01	<5	<1	0.01	<1	10	<2	0.01	<2	<1	1
E003451		<10	<1	0.04	10	0.48	317	1	0.02	17	160	10	0.01	2	4	14
E003452		10	<1	0.03	10	0.42	181	1	0.02	13	230	10	0.01	2	3	14
E003453		<10	<1	0.08	10	0.22	143	1	0.02	6	410	9	0.01	<2	2	12
E003454		10	<1	0.03	10	0.09	68	1	0.01	3	270	9	0.01	<2	2	13
E003455		10	<1	0.06	10	0.21	150	1	0.01	7	290	8	0.01	<2	2	9
E003456		10	1	0.04	10	0.21	78	1	0.01	6	150	11	0.01	<2	3	12
E003457		10	<1	0.04	10	0.36	199	1	0.01	12	210	12	0.01	<2	3	13
E003458		10	<1	0.05	10	0.42	381	1	0.02	20	210	11	0.01	2	3	13
E003459		10	<1	0.04	10	0.52	242	1	0.02	26	300	10	0.01	3	3	15
E003460		10	<1	0.05	10	0.58	247	1	0.02	30	300	9	0.01	<2	4	15
E003461		10	<1	0.03	10	0.42	367	1	0.02	51	470	10	0.02	<2	3	20
E003462		10	1	0.03	10	0.45	234	1	0.02	32	220	12	0.01	2	3	13
E003463		<10	<1	0.01	<10	0.07	40	1	0.02	3	90	4	0.01	<2	1	8
E003464		10	<1	0.02	10	0.29	165	1	0.02	22	210	9	0.01	2	3	13
E003465		<10	<1	0.04	10	0.47	331	1	0.02	18	260	7	0.01	<2	3	14
E003466		10	<1	0.03	10	0.94	230	1	0.02	22	250	9	0.01	<2	5	20
E003467		10	<1	0.03	<10	0.75	501	1	0.01	29	420	8	0.01	<2	5	13
E003468		10	<1	0.10	10	0.52	196	2	0.01	26	350	10	0.03	<2	3	12
E003469		10	<1	0.04	10	0.31	87	1	0.02	14	230	9	0.01	<2	2	13
E003470		10	<1	0.06	10	0.53	216	1	0.02	23	240	7	0.02	2	4	17
E003471																
E003472		10	<1	0.10	10	0.52	267	3	0.02	17	880	10	0.13	2	3	18
E003473		10	<1	0.03	10	0.36	516	1	0.02	17	260	9	0.02	<2	3	13
E003474		10	<1	0.07	10	0.54	199	2	0.02	19	290	9	0.05	3	4	15
E003475		10	<1	0.03	10	0.46	301	1	0.02	27	310	9	0.03	<2	5	14
E003476		10	1	0.03	10	0.41	179	1	0.02	18	390	9	0.02	<2	3	12
E003477		10	1	0.06	10	0.46	197	1	0.02	17	400	8	0.05	<2	3	15
E003478		10	1	0.02	10	0.29	132	<1	0.02	9	300	10	0.01	<2	3	11
E003479		<10	<1	0.01	<10	0.02	16	<1	0.02	1	170	<2	0.02	<2	<1	8
E003480		<10	<1	0.01	<10	0.02	16	<1	0.02	2	200	<2	0.02	<2	<1	8



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Ti	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm
LOR	20	0.01	10	10	1	10	Zn 2
E003441	<20	0.09	<10	<10	78	<10	28
E003442	<20	0.08	<10	<10	56	<10	43
E003443	<20	0.05	<10	<10	28	<10	37
E003444	<20	0.09	<10	<10	51	<10	30
E003445	<20	0.07	<10	<10	59	<10	42
E003446	<20	0.05	<10	<10	32	<10	18
E003447	<20	0.06	<10	<10	60	<10	42
E003448	<20	0.12	<10	<10	75	<10	60
E003449	<20	0.09	<10	<10	72	<10	43
E003450	<20	<0.01	<10	<10	<1	<10	<2
E003451	<20	0.09	<10	<10	76	<10	49
E003452	<20	0.10	<10	<10	84	<10	40
E003453	<20	0.05	<10	<10	51	<10	33
E003454	<20	0.07	<10	<10	48	<10	16
E003455	<20	0.05	<10	<10	43	<10	26
E003456	<20	0.06	<10	<10	43	<10	21
E003457	<20	0.08	<10	<10	72	<10	38
E003458	<20	0.08	<10	<10	73	<10	53
E003459	<20	0.10	<10	<10	83	<10	52
E003460	<20	0.10	<10	<10	82	<10	55
E003461	<20	0.09	<10	<10	90	<10	55
E003462	<20	0.09	<10	<10	86	<10	50
E003463	<20	0.05	<10	<10	29	<10	10
E003464	<20	0.08	<10	<10	83	<10	31
E003465	<20	0.10	<10	<10	73	<10	40
E003466	<20	0.11	<10	<10	73	<10	47
E003467	<20	0.13	<10	<10	92	<10	51
E003468	<20	0.10	<10	<10	88	<10	73
E003469	<20	0.07	<10	<10	59	<10	41
E003470	<20	0.11	<10	<10	78	<10	48
E003471	<20	0.09	<10	<10	96	<10	74
E003472	<20	0.08	<10	<10	70	<10	55
E003473	<20	0.10	<10	<10	84	<10	57
E003474	<20	0.09	<10	<10	77	<10	62
E003475	<20	0.09	<10	<10	77	<10	62
E003476	<20	0.09	<10	<10	85	<10	53
E003477	<20	0.08	<10	<10	78	<10	53
E003478	<20	0.09	<10	<10	83	<10	30
E003479	<20	0.02	<10	<10	13	<10	4
E003480	<20	0.02	<10	<10	12	<10	5



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Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003481		0.30	<0.005	0.2	1.54	10	<10	210	<0.5	<2	0.16	<0.5	6	25	11	2.83
E003482		0.34	<0.005	<0.2	1.20	9	<10	110	<0.5	2	0.09	<0.5	4	21	15	2.49
E003483		0.38	<0.005	0.3	2.20	12	<10	170	<0.5	<2	0.11	<0.5	9	43	21	3.28
E003484		0.40	<0.005	<0.2	1.74	6	<10	120	<0.5	<2	0.31	<0.5	20	49	54	2.65
E003485		0.46	<0.005	<0.2	1.41	4	<10	90	<0.5	<2	0.27	<0.5	28	132	162	2.25
E003486		0.34	<0.005	<0.2	1.33	4	<10	100	<0.5	<2	0.31	<0.5	18	66	64	1.88
E003487		0.34	<0.005	0.2	1.50	4	<10	110	<0.5	<2	0.29	<0.5	18	53	86	2.53
E003488		0.34	<0.005	<0.2	2.15	3	<10	210	<0.5	<2	0.67	<0.5	22	62	62	3.60
E003489		0.44	<0.005	<0.2	1.96	7	<10	200	<0.5	<2	0.39	<0.5	15	45	61	2.94
E003490		0.14	<0.005	<0.2	0.01	<2	<10	10	<0.5	3	0.01	<0.5	<1	1	2	0.02
E003491		0.40	<0.005	0.2	1.76	9	<10	130	<0.5	<2	0.27	<0.5	11	47	42	2.59
E003492		0.34	<0.005	0.2	2.80	11	<10	160	<0.5	<2	0.15	<0.5	13	41	46	3.37
E003493		0.40	<0.005	<0.2	1.18	6	<10	40	<0.5	<2	0.12	<0.5	8	24	39	2.62
E003494		0.44	<0.005	0.2	0.87	3	<10	70	<0.5	<2	0.33	<0.5	4	19	9	1.71
E003495		0.44	<0.005	0.2	2.41	2	<10	310	<0.5	<2	0.30	<0.5	15	128	170	4.57
E003496		0.40	<0.005	<0.2	2.78	13	<10	160	0.5	<2	0.20	<0.5	14	49	39	3.37
E003497		0.34	<0.005	<0.2	2.74	12	<10	210	<0.5	<2	0.40	<0.5	15	92	60	3.64
E003498		0.40	<0.005	<0.2	1.90	10	<10	50	<0.5	<2	0.13	<0.5	18	298	31	3.15
E003499		0.30	<0.005	0.2	2.47	24	<10	130	<0.5	<2	0.29	<0.5	10	60	21	3.26
E003500		0.38	<0.005	<0.2	2.71	28	<10	150	0.5	<2	0.34	<0.5	11	67	24	3.47
E003501		0.38	<0.005	<0.2	2.46	11	<10	170	<0.5	<2	0.11	<0.5	9	38	18	3.59
E003502		0.48	<0.005	0.2	1.76	7	<10	80	<0.5	<2	0.09	<0.5	8	37	38	2.63
E003503		0.40	<0.005	<0.2	2.02	11	<10	230	<0.5	<2	0.19	<0.5	8	34	21	3.04
E003504		0.52	<0.005	<0.2	1.99	7	<10	260	<0.5	<2	0.32	<0.5	12	40	43	2.79
E003505		0.42	<0.005	<0.2	2.17	13	<10	170	<0.5	<2	0.20	<0.5	18	153	61	3.35
E003506		0.34	0.006	0.3	1.98	14	<10	330	<0.5	<2	0.92	<0.5	23	51	39	4.12
E003507		0.38	<0.005	0.3	2.11	14	<10	170	<0.5	<2	0.18	<0.5	9	40	18	3.70
E003508		0.40	<0.005	<0.2	2.38	13	<10	130	<0.5	<2	0.16	<0.5	8	38	17	3.55
E003509		Not Recvd														
E003510		0.32	<0.005	<0.2	1.80	8	<10	140	<0.5	<2	0.23	<0.5	8	34	24	2.72
E003511		0.38	<0.005	<0.2	3.29	4	<10	140	<0.5	<2	0.43	<0.5	21	93	17	4.13
E003512		0.30	<0.005	<0.2	1.95	8	<10	120	<0.5	<2	0.20	<0.5	10	41	26	2.75
E003513		0.34	<0.005	<0.2	1.06	6	<10	70	<0.5	<2	0.19	<0.5	5	24	19	2.24
E003514		0.38	<0.005	<0.2	2.16	9	<10	140	<0.5	<2	0.31	<0.5	13	58	32	2.96
E003515		0.42	<0.005	<0.2	1.65	5	<10	120	<0.5	<2	0.23	<0.5	10	31	28	2.59
E003516		0.50	<0.005	0.3	1.78	8	<10	180	<0.5	<2	0.37	<0.5	9	42	43	2.43
E003517		0.48	<0.005	<0.2	2.13	8	<10	180	<0.5	<2	0.28	<0.5	10	36	28	2.52
E003518		0.42	<0.005	<0.2	2.80	7	<10	60	<0.5	<2	0.17	<0.5	12	233	14	3.14
E003519		0.24	<0.005	<0.2	0.56	2	<10	70	<0.5	<2	0.15	<0.5	3	20	14	1.41
E003520		0.22	0.009	<0.2	0.50	6	<10	50	<0.5	<2	0.12	<0.5	3	18	9	1.30



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CERTIFICATE OF ANALYSIS	VA09111203
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units LOR	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003481		10	1	0.03	10	0.33	166	<1	0.02	13	260	9	0.02	<2	2	18
E003482		10	1	0.03	10	0.22	108	<1	0.01	12	260	7	0.02	<2	2	10
E003483		10	1	0.05	10	0.56	185	<1	0.02	28	270	8	0.04	2	3	12
E003484		<10	1	0.09	10	0.74	290	<1	0.02	62	730	3	0.02	<2	3	18
E003485		<10	<1	0.07	10	0.96	180	<1	0.02	176	440	2	0.02	<2	3	15
E003486		<10	1	0.06	10	0.65	160	<1	0.03	88	360	3	0.03	<2	3	19
E003487		<10	1	0.06	10	0.59	196	<1	0.02	66	600	3	0.04	<2	3	19
E003488		10	<1	0.47	10	1.26	387	<1	0.03	61	2000	<2	0.05	2	3	27
E003489		10	1	0.13	10	0.80	197	<1	0.03	46	840	5	0.02	2	4	23
E003490		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	2	10	3	0.01	<2	<1	1
E003491		10	<1	0.05	10	0.63	156	<1	0.02	39	590	4	0.02	<2	3	18
E003492		10	1	0.04	10	0.54	239	<1	0.02	32	270	9	0.02	<2	3	14
E003493		10	<1	0.03	<10	0.35	150	<1	0.02	22	230	4	0.01	3	2	7
E003494		<10	<1	0.02	10	0.16	120	<1	0.02	15	290	6	0.01	<2	2	18
E003495		10	<1	0.51	10	1.48	384	1	0.03	71	1230	<2	0.56	<2	3	40
E003496		10	<1	0.06	10	0.59	249	<1	0.02	42	290	7	0.02	2	4	19
E003497		10	1	0.04	10	0.84	366	1	0.02	46	290	5	0.02	<2	5	23
E003498		10	<1	0.02	<10	1.39	268	<1	0.02	98	250	<2	0.01	<2	6	13
E003499		10	<1	0.03	10	0.74	417	<1	0.02	29	280	6	0.01	<2	5	21
E003500		10	1	0.03	10	0.89	454	<1	0.02	33	320	5	0.01	<2	6	24
E003501		10	1	0.03	10	0.39	210	1	0.02	22	390	9	0.02	<2	3	11
E003502		10	<1	0.02	<10	0.47	138	<1	0.02	25	220	3	0.02	<2	3	7
E003503		10	1	0.05	10	0.47	228	<1	0.02	20	460	7	0.01	2	3	19
E003504		10	<1	0.05	10	0.76	267	<1	0.02	32	460	4	0.01	<2	5	22
E003505		10	1	0.11	10	0.99	258	<1	0.02	122	410	5	0.08	<2	3	21
E003506		10	<1	0.19	10	0.79	1170	1	0.03	46	1690	8	0.04	3	6	45
E003507		10	1	0.06	10	0.60	562	<1	0.02	21	490	7	0.02	<2	4	16
E003508		10	1	0.04	10	0.59	267	<1	0.02	19	200	9	0.01	<2	5	16
E003509																
E003510		10	1	0.04	10	0.53	321	<1	0.02	20	410	6	0.02	<2	2	19
E003511		10	<1	0.03	<10	2.57	533	<1	0.02	50	400	4	0.02	<2	4	24
E003512		10	<1	0.05	10	0.63	349	<1	0.02	27	590	7	0.02	<2	3	14
E003513		<10	1	0.03	<10	0.31	188	<1	0.01	11	330	5	0.02	<2	1	15
E003514		<10	<1	0.04	10	0.88	486	<1	0.02	36	470	6	0.01	<2	5	20
E003515		<10	<1	0.04	10	0.59	287	<1	0.02	20	510	6	0.02	<2	3	15
E003516		<10	<1	0.03	10	0.70	227	<1	0.02	28	490	6	<0.01	<2	6	20
E003517		10	<1	0.04	10	0.61	185	<1	0.02	22	610	8	0.02	<2	4	20
E003518		10	<1	0.02	<10	1.87	266	<1	0.01	103	170	5	<0.01	<2	3	9
E003519		<10	<1	0.03	<10	0.12	121	<1	0.01	11	280	4	0.01	<2	1	15
E003520		<10	<1	0.03	<10	0.11	97	<1	0.01	10	260	5	0.01	<2	1	11



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## CERTIFICATE OF ANALYSIS VA09111203

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
E003481		<20	0.09	<10	<10	74	<10	35
E003482		<20	0.07	<10	<10	67	<10	29
E003483		<20	0.10	<10	<10	78	<10	53
E003484		<20	0.12	<10	<10	54	<10	46
E003485		<20	0.10	<10	<10	47	<10	34
E003486		<20	0.10	<10	<10	43	<10	41
E003487		<20	0.10	<10	<10	49	<10	38
E003488		<20	0.20	<10	<10	68	<10	62
E003489		<20	0.14	<10	<10	59	<10	57
E003490		<20	<0.01	<10	<10	<1	<10	6
E003491		<20	0.10	<10	<10	55	<10	44
E003492		<20	0.10	<10	<10	76	<10	47
E003493		<20	0.15	<10	<10	70	<10	29
E003494		<20	0.05	<10	<10	37	<10	22
E003495		<20	0.23	<10	<10	80	<10	32
E003496		<20	0.11	<10	<10	72	<10	50
E003497		<20	0.08	<10	<10	91	<10	50
E003498		<20	0.09	<10	<10	95	<10	39
E003499		<20	0.03	<10	<10	74	<10	45
E003500		<20	0.03	<10	<10	76	<10	50
E003501		<20	0.08	<10	<10	89	<10	62
E003502		<20	0.06	<10	<10	59	<10	38
E003503		<20	0.09	<10	<10	74	<10	44
E003504		<20	0.12	<10	<10	63	<10	54
E003505		<20	0.14	<10	<10	69	<10	39
E003506		<20	0.10	<10	<10	83	<10	99
E003507		<20	0.10	<10	<10	91	<10	61
E003508		<20	0.11	<10	<10	93	<10	49
E003509								
E003510		<20	0.07	<10	<10	70	<10	45
E003511		<20	0.19	<10	<10	96	<10	65
E003512		<20	0.07	<10	<10	63	<10	51
E003513		<20	0.07	<10	<10	67	<10	29
E003514		<20	0.08	<10	<10	67	<10	51
E003515		<20	0.07	<10	<10	58	<10	43
E003516		<20	0.08	<10	<10	55	<10	41
E003517		<20	0.07	<10	<10	60	<10	47
E003518		<20	0.15	<10	<10	73	<10	49
E003519		<20	0.07	<10	<10	51	<10	23
E003520		<20	0.06	<10	<10	41	<10	18



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Project: HAO09-01

## CERTIFICATE OF ANALYSIS VA09111203

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003521		0.14	<0.005	<0.2	0.89	4	<10	40	<0.5	2	0.11	<0.5	5	35	16	1.67
E003522		0.26	<0.005	0.2	1.61	7	<10	100	<0.5	<2	0.14	<0.5	7	45	21	2.55
E003523		0.24	0.006	<0.2	1.61	8	<10	120	<0.5	2	0.21	<0.5	13	45	41	2.50
E003524		0.26	<0.005	<0.2	1.28	6	<10	70	<0.5	2	0.11	<0.5	6	40	18	1.89
E003525		0.42	<0.005	<0.2	1.84	11	<10	60	<0.5	<2	0.13	<0.5	9	88	25	4.09
E003526		0.20	<0.005	<0.2	1.65	9	<10	100	<0.5	2	0.17	<0.5	6	40	16	2.91
E003527		0.32	<0.005	<0.2	2.01	3	<10	150	0.6	<2	0.38	<0.5	12	30	40	3.38
E003528		0.38	<0.005	0.3	2.16	7	<10	230	0.6	<2	0.25	<0.5	10	29	34	3.02
E003529		0.32	<0.005	<0.2	1.58	6	<10	100	<0.5	<2	0.11	<0.5	5	22	15	3.05
E003530		0.14	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.02
E003531		0.40	<0.005	<0.2	1.52	5	<10	140	<0.5	<2	0.13	0.6	6	18	14	2.50
E003532		0.44	<0.005	<0.2	2.21	5	<10	170	<0.5	<2	0.14	<0.5	7	27	16	3.14
E003533		0.30	<0.005	<0.2	1.93	9	<10	130	<0.5	<2	0.12	<0.5	5	26	10	3.37
E003534		0.40	<0.005	<0.2	1.84	9	<10	140	<0.5	<2	0.10	<0.5	7	27	12	3.17
E003535		0.38	<0.005	<0.2	1.00	7	<10	90	<0.5	<2	0.09	<0.5	3	17	11	2.22
E003536		0.34	<0.005	<0.2	1.15	7	<10	110	<0.5	<2	0.10	<0.5	3	17	6	2.16
E003537		0.40	<0.005	<0.2	2.00	9	<10	110	<0.5	<2	0.10	<0.5	6	30	11	3.82
E003538		0.46	<0.005	<0.2	1.75	9	<10	320	<0.5	<2	0.53	<0.5	7	21	16	2.28
E003539		0.42	0.007	0.2	1.98	24	<10	220	0.5	<2	0.41	<0.5	10	35	27	3.49
E003540		0.40	0.008	<0.2	2.00	23	<10	210	0.5	<2	0.39	<0.5	10	35	28	3.41
E003541		0.28	<0.005	<0.2	2.84	13	<10	130	0.6	<2	0.11	<0.5	12	43	26	4.14
E003542		0.42	<0.005	<0.2	2.29	8	<10	190	<0.5	<2	0.18	<0.5	15	68	21	3.17
E003543		0.48	<0.005	<0.2	2.02	8	<10	120	<0.5	<2	0.19	<0.5	7	44	15	2.61
E003544		0.20	<0.005	<0.2	1.32	7	<10	140	<0.5	<2	0.10	<0.5	5	21	10	2.55
E003545		0.42	<0.005	<0.2	2.33	11	<10	120	<0.5	<2	0.15	<0.5	11	81	19	3.86
E003546		0.50	<0.005	<0.2	1.95	6	<10	140	<0.5	<2	0.23	<0.5	7	48	18	2.82
E003547		0.40	0.007	<0.2	1.74	7	<10	140	<0.5	2	0.22	<0.5	10	82	28	2.77
E003548		0.36	<0.005	<0.2	2.32	12	<10	180	<0.5	<2	0.15	<0.5	10	63	18	3.32
E003549		0.54	<0.005	<0.2	1.87	7	<10	190	<0.5	<2	0.38	<0.5	7	31	11	2.66
E003550		<0.02														
E003551		0.44	<0.005	<0.2	1.14	5	<10	100	<0.5	<2	0.08	<0.5	3	17	20	1.73
E003552		0.28	<0.005	<0.2	1.44	8	<10	150	<0.5	<2	0.13	<0.5	5	25	11	2.78
E003553		0.36	<0.005	1.1	2.66	11	<10	240	0.5	<2	0.17	0.7	11	39	23	3.74
E003554		0.40	<0.005	<0.2	2.80	11	<10	240	0.6	<2	0.18	<0.5	14	45	27	3.80
E003555		0.36	<0.005	0.2	2.68	12	<10	210	1.1	<2	0.25	<0.5	9	35	35	3.96
E003556		0.38	<0.005	0.5	1.32	5	<10	200	<0.5	<2	0.25	<0.5	3	17	24	1.62
E003557		0.36	<0.005	0.8	1.45	9	<10	230	<0.5	<2	0.15	1.1	7	24	13	2.60
E003558		0.26	<0.005	0.6	1.42	5	<10	290	<0.5	<2	0.32	1.5	11	24	13	2.82
E003559		0.30	<0.005	0.3	0.86	19	<10	280	<0.5	<2	0.18	2.5	5	22	39	2.05
E003560		0.32	<0.005	0.3	0.96	27	<10	270	0.5	<2	0.16	2.1	4	27	45	2.25



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## CERTIFICATE OF ANALYSIS VA09111203

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003521		10	<1	0.03	<10	0.34	152	<1	0.01	19	260	5	0.01	<2	2	10
E003522		10	<1	0.03	10	0.50	195	<1	0.01	24	400	9	0.02	<2	2	14
E003523		<10	<1	0.04	10	0.59	400	<1	0.02	28	470	10	0.02	<2	3	16
E003524		<10	1	0.03	<10	0.44	146	<1	0.01	22	240	7	<0.01	<2	1	11
E003525		10	<1	0.05	10	0.94	271	<1	0.01	38	420	7	0.01	<2	3	11
E003526		10	<1	0.04	10	0.56	217	<1	0.01	18	300	9	0.01	<2	3	15
E003527		10	<1	0.07	10	0.94	953	<1	0.02	20	880	4	0.01	<2	7	17
E003528		10	<1	0.10	10	0.77	296	<1	0.01	19	410	60	<0.01	<2	4	17
E003529		10	<1	0.11	10	0.37	195	1	0.01	9	310	8	0.01	<2	2	12
E003530		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	20	2	<0.01	<2	<1	1
E003531		10	<1	0.06	10	0.30	183	<1	0.01	10	260	10	<0.01	<2	2	13
E003532		10	<1	0.04	10	0.43	204	<1	0.01	16	240	9	<0.01	<2	3	14
E003533		10	<1	0.03	10	0.34	131	<1	0.01	10	280	10	<0.01	<2	3	13
E003534		10	<1	0.04	10	0.28	207	1	0.01	13	400	10	<0.01	<2	3	11
E003535		10	<1	0.05	10	0.21	197	1	0.01	9	420	9	<0.01	<2	2	10
E003536		10	<1	0.04	10	0.20	268	<1	0.01	7	320	11	<0.01	<2	2	12
E003537		10	<1	0.05	10	0.39	180	<1	0.01	13	340	8	<0.01	<2	3	11
E003538		10	<1	0.05	20	0.35	292	<1	0.02	13	560	7	0.02	<2	4	30
E003539		<10	<1	0.06	10	0.64	272	<1	0.02	21	600	8	0.01	<2	4	26
E003540		<10	<1	0.06	10	0.65	219	<1	0.02	24	610	8	0.01	<2	4	24
E003541		10	<1	0.07	10	0.55	300	1	0.01	25	470	10	0.01	<2	4	11
E003542		10	<1	0.04	10	0.80	406	<1	0.02	43	310	9	<0.01	<2	4	15
E003543		10	<1	0.03	10	0.70	174	<1	0.01	19	170	10	<0.01	<2	4	14
E003544		10	<1	0.03	10	0.23	315	1	0.01	8	200	13	<0.01	<2	2	11
E003545		10	<1	0.05	10	0.82	209	1	0.01	40	390	10	0.01	<2	3	12
E003546		10	<1	0.03	10	0.68	183	<1	0.01	21	170	10	<0.01	<2	3	17
E003547		10	<1	0.03	10	0.65	166	<1	0.01	55	180	10	<0.01	<2	3	15
E003548		10	1	0.04	10	0.70	240	1	0.01	31	210	9	<0.01	<2	3	15
E003549		10	<1	0.05	10	0.59	163	1	0.01	16	280	7	<0.01	<2	3	19
E003550		10	<1	0.05	10	0.59	163	1	0.01	16	280	7	<0.01	<2	3	19
E003551		10	1	0.03	10	0.14	153	1	0.01	5	410	8	0.01	2	1	11
E003552		10	<1	0.03	10	0.31	234	2	0.01	10	280	9	<0.01	<2	2	13
E003553		10	1	0.03	10	0.49	371	2	0.01	27	420	13	0.01	<2	3	19
E003554		10	1	0.05	10	0.57	365	1	0.02	28	520	9	0.01	<2	5	21
E003555		10	<1	0.05	20	0.73	339	1	0.01	37	740	12	0.02	<2	5	31
E003556		<10	<1	0.03	10	0.22	100	1	0.01	11	860	9	0.03	<2	1	29
E003557		10	1	0.03	10	0.29	806	2	0.01	12	720	11	<0.01	2	2	15
E003558		10	1	0.03	10	0.32	2020	2	0.02	14	1170	8	0.01	<2	2	24
E003559		10	<1	0.06	10	0.20	352	5	0.01	26	640	133	0.01	<2	1	51
E003560		10	1	0.05	10	0.23	282	7	0.01	33	690	174	0.01	2	1	64



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Project: HAO09-01

<b>CERTIFICATE OF ANALYSIS VA09111203</b>
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Ti	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm
LOR	20	0.01	10	10	1	10	Zn 2
E003521	<20	0.08	<10	<10	56	<10	31
E003522	<20	0.07	<10	<10	69	<10	36
E003523	<20	0.08	<10	<10	63	<10	61
E003524	<20	0.06	<10	<10	46	<10	26
E003525	<20	0.13	<10	<10	100	<10	47
E003526	<20	0.13	<10	<10	82	<10	40
E003527	<20	0.06	<10	<10	74	<10	43
E003528	<20	0.11	<10	<10	60	<10	182
E003529	<20	0.10	<10	<10	68	<10	124
E003530	<20	<0.01	<10	<10	1	<10	2
E003531	<20	0.08	<10	<10	55	<10	43
E003532	<20	0.10	<10	<10	68	<10	58
E003533	<20	0.11	<10	<10	81	<10	34
E003534	<20	0.09	<10	<10	75	<10	37
E003535	<20	0.08	<10	<10	64	<10	32
E003536	<20	0.08	<10	<10	61	<10	27
E003537	<20	0.10	<10	<10	79	<10	38
E003538	<20	0.03	<10	<10	43	<10	40
E003539	<20	0.05	<10	<10	68	<10	55
E003540	<20	0.05	<10	<10	68	<10	55
E003541	<20	0.08	<10	<10	84	<10	55
E003542	<20	0.08	<10	<10	70	<10	45
E003543	<20	0.05	<10	<10	67	<10	42
E003544	<20	0.09	<10	<10	74	<10	31
E003545	<20	0.10	<10	<10	87	<10	49
E003546	<20	0.09	<10	<10	78	<10	41
E003547	<20	0.09	<10	<10	77	<10	32
E003548	<20	0.09	<10	<10	78	<10	47
E003549	<20	0.09	<10	<10	68	<10	38
E003550							
E003551	<20	0.04	<10	<10	38	<10	16
E003552	<20	0.08	<10	<10	76	<10	35
E003553	<20	0.09	<10	<10	89	<10	73
E003554	<20	0.09	<10	<10	78	<10	54
E003555	<20	0.14	<10	<10	84	<10	104
E003556	<20	0.04	<10	<10	34	<10	45
E003557	<20	0.08	<10	<10	74	<10	140
E003558	<20	0.07	<10	<10	64	<10	125
E003559	<20	0.04	<10	<10	110	<10	198
E003560	<20	0.04	<10	<10	146	<10	242





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Sample Description	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
E003561	0.34	<0.005	0.6	2.20	15	<10	260	<0.5	<2	0.11	<0.5	9	35	32	3.43



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CERTIFICATE OF ANALYSIS	VA09111203
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Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
Sample Description  E003561	10	1	0.03	10	0.54	286	2	0.01	32	250	8	<0.01	<2	3	13



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## CERTIFICATE OF ANALYSIS VA09111203

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Th	Ti	Tl	U	V	W	
Units		ppm	%	ppm	ppm	ppm	ppm	
LOR		20	0.01	10	10	1	10	
E003561	Zn	<20	0.08	<10	<10	75	<10	78



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## CERTIFICATE VA09111204

Project: HAO09-01

P.O. No.: HAO09-01

This report is for 179 Soil samples submitted to our lab in Vancouver, BC, Canada on 6-OCT-2009.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL  
NEIL PERK

HENRY AWMACK

MURRAY JONES

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-34	Pulp Splitting Charge
LOG-24	Pulp Login - Rcd w/o Barcode

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.

ATTN: NEIL PERK

700 - 700 PENDER ST.

VANCOUVER BC V6C 1G8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS	VA09111204
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Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003562		0.30	<0.005	0.6	2.40	15	<10	150	<0.5	<2	0.09	<0.5	8	36	20	3.64
E003563		0.32	<0.005	0.5	1.90	8	<10	100	<0.5	<2	0.08	<0.5	6	30	16	3.22
E003564		0.30	<0.005	0.8	1.31	10	<10	120	<0.5	<2	0.10	0.9	5	22	13	2.97
E003565		0.26	<0.005	0.2	2.21	16	<10	200	<0.5	<2	0.16	<0.5	7	36	27	3.56
E003566		0.34	<0.005	<0.2	1.59	16	<10	150	<0.5	<2	0.12	<0.5	4	27	14	3.28
E003567		0.34	<0.005	0.6	1.50	21	<10	210	<0.5	<2	0.10	0.6	6	26	18	3.33
E003568		0.42	<0.005	1.1	1.78	17	<10	120	<0.5	<2	0.10	0.5	9	30	15	3.53
E003569		0.28	<0.005	0.3	2.64	17	<10	110	<0.5	<2	0.12	<0.5	8	39	14	3.54
E003570		0.14	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	<0.01	<0.5	<1	<1	<1	0.01
E003571		0.36	<0.005	0.2	1.94	12	<10	120	<0.5	<2	0.09	<0.5	8	29	12	3.26
E003572		0.40	<0.005	<0.2	1.45	10	<10	120	<0.5	<2	0.09	<0.5	3	25	19	2.75
E003573		0.32	<0.005	0.3	1.87	12	<10	110	<0.5	<2	0.11	<0.5	6	29	14	3.16
E003574		0.32	<0.005	0.3	2.72	15	<10	170	<0.5	<2	0.14	<0.5	8	39	15	3.85
E003575		0.26	<0.005	0.4	1.35	81	<10	140	<0.5	<2	0.14	1.4	5	25	21	3.15
E003576		0.32	<0.005	<0.2	0.96	5	<10	160	<0.5	<2	0.12	1.4	5	14	9	1.68
E003577		0.34	<0.005	0.6	2.48	15	<10	160	<0.5	<2	0.15	<0.5	7	35	14	3.62
E003578		0.34	<0.005	1.9	2.12	22	<10	360	<0.5	<2	0.17	<0.5	6	33	20	3.96
E003579		0.22	<0.005	1.1	1.38	7	<10	260	<0.5	<2	0.14	4.2	6	23	13	2.65
E003580		0.28	<0.005	0.9	1.93	13	<10	240	<0.5	<2	0.15	1.7	7	30	13	3.42
E003581		0.32	<0.005	1.5	2.00	28	<10	180	<0.5	<2	0.14	0.6	10	30	14	3.41
E003582		0.36	<0.005	1.8	2.34	17	<10	210	0.5	<2	0.17	0.5	8	39	57	3.22
E003583		0.44	<0.005	<0.2	2.26	17	<10	170	<0.5	<2	0.12	<0.5	8	36	29	3.91
E003584		0.40	<0.005	<0.2	1.70	237	<10	130	0.5	<2	0.31	<0.5	9	49	94	4.99
E003585		0.36	<0.005	0.3	2.08	14	<10	230	<0.5	<2	0.17	<0.5	10	32	15	3.42
E003586		0.32	<0.005	0.2	1.54	15	<10	140	<0.5	<2	0.17	<0.5	6	26	10	2.72
E003587		0.38	<0.005	0.3	2.81	21	<10	220	0.5	<2	0.15	<0.5	15	41	21	3.69
E003588		0.30	<0.005	0.2	1.91	13	<10	100	<0.5	<2	0.13	<0.5	6	30	14	3.54
E003589		0.38	<0.005	0.3	0.52	5	<10	110	<0.5	<2	0.07	0.5	1	13	8	0.88
E003590		<0.02	<0.005	0.3	0.52	4	<10	110	<0.5	<2	0.07	0.6	1	13	9	0.89
E003591		0.34	0.069	0.4	2.89	65	<10	320	0.6	<2	0.18	<0.5	10	55	53	3.73
E003592		0.24	<0.005	<0.2	0.88	5	<10	160	<0.5	<2	0.14	<0.5	4	16	11	1.51
E003593		0.22	<0.005	0.4	1.08	22	<10	130	<0.5	<2	0.21	<0.5	3	19	13	1.92
E003594		0.46	<0.005	<0.2	1.00	10	<10	80	<0.5	<2	0.14	<0.5	5	48	12	2.15
E003595		0.28	<0.005	0.3	1.31	89	<10	130	<0.5	<2	0.18	<0.5	5	33	16	2.09
E003596		0.34	<0.005	<0.2	2.05	49	<10	120	<0.5	<2	0.17	<0.5	8	84	39	3.46
E003597		0.32	0.005	0.3	1.65	8	<10	130	<0.5	<2	0.19	<0.5	6	33	23	2.83
E003598		0.34	<0.005	0.5	1.52	8	<10	150	1.2	2	0.24	<0.5	5	22	26	2.42
E003599		0.30	<0.005	<0.2	2.04	12	<10	240	<0.5	<2	0.31	<0.5	11	30	13	3.13
E003600		0.38	<0.005	<0.2	2.32	10	<10	260	0.6	<2	0.25	<0.5	13	35	16	3.29
E003601		0.28	<0.005	<0.2	1.76	8	<10	140	<0.5	<2	0.13	<0.5	11	73	24	3.19



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## CERTIFICATE OF ANALYSIS VA09111204

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003562		10	1	0.04	10	0.42	231	2	0.01	27	340	11	0.01	<2	3	13
E003563		10	<1	0.03	10	0.32	189	2	0.01	15	280	9	0.01	<2	2	10
E003564		10	<1	0.03	10	0.22	288	2	0.01	14	390	17	0.01	<2	2	13
E003565		10	1	0.03	10	0.47	223	1	0.01	22	330	9	0.02	<2	3	19
E003566		10	<1	0.04	10	0.32	131	3	0.01	12	400	9	0.01	2	2	14
E003567		10	1	0.07	10	0.31	352	3	0.01	14	910	14	0.07	<2	2	15
E003568		10	1	0.03	10	0.31	400	3	0.01	14	520	8	0.01	<2	3	10
E003569		10	<1	0.04	10	0.35	226	2	0.01	18	540	8	0.02	<2	3	13
E003570		<10	<1	<0.01	<10	<0.01	<5	<1	0.01	<1	10	<2	0.01	<2	<1	<1
E003571		10	<1	0.03	10	0.30	425	1	0.01	16	430	10	<0.01	<2	2	10
E003572		10	<1	0.06	10	0.37	148	1	0.01	9	340	9	0.07	2	2	12
E003573		10	1	0.03	10	0.31	158	1	0.01	14	370	8	0.01	<2	3	13
E003574		10	1	0.04	10	0.45	226	1	0.01	19	480	11	0.02	2	3	15
E003575		10	<1	0.04	10	0.38	314	2	0.01	11	660	34	0.03	2	2	17
E003576		10	<1	0.03	10	0.17	277	1	0.01	6	340	8	<0.01	<2	1	14
E003577		10	1	0.03	10	0.34	213	1	0.01	16	440	11	0.01	<2	3	14
E003578		10	<1	0.04	10	0.36	231	2	0.01	15	410	29	0.03	3	3	20
E003579		10	<1	0.03	10	0.25	1110	2	0.01	15	420	10	0.01	2	2	15
E003580		10	<1	0.03	10	0.35	406	2	0.01	18	440	9	<0.01	<2	2	16
E003581		10	1	0.02	10	0.33	406	2	0.01	14	480	15	0.01	2	3	14
E003582		10	1	0.03	10	0.48	218	2	0.01	32	290	10	0.01	<2	5	18
E003583		10	1	0.04	10	0.49	256	2	0.01	25	350	10	0.01	<2	4	14
E003584		10	<1	0.13	20	0.95	468	2	<0.01	51	1160	42	<0.01	16	2	19
E003585		10	1	0.03	10	0.38	298	1	0.01	21	520	10	0.01	<2	3	17
E003586		10	<1	0.04	10	0.33	175	1	0.01	13	480	8	<0.01	<2	2	15
E003587		10	1	0.03	10	0.48	257	2	0.01	27	410	10	<0.01	<2	4	15
E003588		10	<1	0.04	10	0.41	174	2	0.01	16	570	9	0.01	<2	3	14
E003589		<10	<1	0.04	10	0.07	96	1	0.01	3	450	7	0.02	<2	1	11
E003590		<10	<1	0.04	10	0.07	97	1	0.01	4	460	7	0.02	<2	1	11
E003591		10	1	0.05	10	0.64	232	2	0.01	29	260	23	0.03	4	5	26
E003592		10	<1	0.03	10	0.14	673	1	0.01	6	460	9	<0.01	<2	1	14
E003593		10	<1	0.02	10	0.25	100	1	0.01	13	240	11	<0.01	<2	2	20
E003594		10	1	0.09	10	0.52	192	1	0.01	28	570	16	<0.01	2	2	12
E003595		10	1	0.07	10	0.39	194	1	0.01	21	450	15	0.02	5	2	33
E003596		10	<1	0.07	10	0.94	366	3	0.01	52	420	13	<0.01	4	5	62
E003597		10	<1	0.03	10	0.38	150	2	0.01	16	370	8	<0.01	<2	3	23
E003598		10	1	0.03	10	0.23	272	2	0.01	9	530	18	<0.01	2	3	23
E003599		10	<1	0.03	10	0.41	666	2	0.01	17	530	11	<0.01	<2	2	28
E003600		10	<1	0.03	10	0.46	561	2	0.01	21	370	11	<0.01	<2	3	25
E003601		10	<1	0.04	10	0.49	361	1	0.01	52	350	7	<0.01	<2	3	11



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CERTIFICATE OF ANALYSIS	VA09111204
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Ti	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
E003562		<20	0.09	<10	<10	84	<10	63
E003563		<20	0.08	<10	<10	78	<10	41
E003564		<20	0.08	<10	<10	77	<10	67
E003565		<20	0.09	<10	<10	73	<10	49
E003566		<20	0.09	<10	<10	81	<10	36
E003567		<20	0.07	<10	<10	76	<10	60
E003568		<20	0.08	<10	<10	88	<10	64
E003569		<20	0.08	<10	<10	75	<10	46
E003570		<20	<0.01	<10	<10	<1	<10	3
E003571		<20	0.08	<10	<10	74	<10	51
E003572		<20	0.09	<10	<10	68	<10	37
E003573		<20	0.09	<10	<10	76	<10	41
E003574		<20	0.09	<10	<10	75	<10	68
E003575		<20	0.07	<10	<10	78	<10	178
E003576		<20	0.07	<10	<10	50	<10	44
E003577		<20	0.08	<10	<10	80	<10	48
E003578		<20	0.09	<10	<10	93	<10	70
E003579		<20	0.07	<10	<10	66	<10	115
E003580		<20	0.08	<10	<10	82	<10	131
E003581		<20	0.08	<10	<10	82	<10	73
E003582		<20	0.09	<10	<10	78	<10	81
E003583		<20	0.10	<10	<10	87	<10	70
E003584		<20	0.05	<10	<10	98	<10	145
E003585		<20	0.08	<10	<10	76	<10	53
E003586		<20	0.08	<10	<10	71	<10	36
E003587		<20	0.09	<10	<10	75	<10	51
E003588		<20	0.08	<10	<10	74	<10	48
E003589		<20	0.07	<10	<10	27	<10	15
E003590		<20	0.06	<10	<10	27	<10	16
E003591		<20	0.12	<10	<10	93	<10	61
E003592		<20	0.06	<10	<10	48	<10	31
E003593		<20	0.07	<10	<10	63	<10	28
E003594		<20	0.22	<10	<10	72	<10	41
E003595		<20	0.09	<10	<10	54	<10	48
E003596		<20	0.11	<10	<10	94	<10	110
E003597		<20	0.09	<10	<10	70	<10	38
E003598		<20	0.07	<10	<10	60	<10	34
E003599		<20	0.08	<10	<10	73	<10	62
E003600		<20	0.08	<10	<10	77	<10	65
E003601		<20	0.11	<10	<10	82	<10	43



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## CERTIFICATE OF ANALYSIS VA09111204

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003602		0.28	<0.005	0.2	2.78	3	<10	110	0.5	<2	0.12	<0.5	13	105	38	4.01
E003603		0.32	<0.005	0.2	2.58	8	<10	120	<0.5	<2	0.19	<0.5	15	82	44	3.57
E003604		0.28	<0.005	<0.2	1.90	8	<10	150	<0.5	<2	0.21	<0.5	17	76	53	3.27
E003605		0.26	<0.005	<0.2	2.00	9	<10	200	<0.5	<2	0.13	<0.5	9	33	14	2.76
E003606		0.32	<0.005	<0.2	2.00	7	<10	200	<0.5	<2	0.26	<0.5	10	39	37	2.71
E003607		0.28	<0.005	0.3	1.51	9	<10	230	<0.5	<2	0.20	<0.5	5	24	12	2.50
E003608		0.30	<0.005	0.2	2.23	8	<10	200	<0.5	<2	0.15	<0.5	12	39	18	3.70
E003609		0.28	<0.005	0.2	1.85	8	<10	120	<0.5	<2	0.11	<0.5	8	52	14	2.72
E003610		0.32	<0.005	<0.2	1.92	4	<10	90	<0.5	<2	0.16	<0.5	6	13	10	2.93
E003611		0.24	<0.005	<0.2	2.10	10	<10	110	<0.5	<2	0.12	<0.5	6	32	15	3.72
E003612		0.22	<0.005	0.2	1.66	9	<10	100	<0.5	<2	0.14	<0.5	11	51	38	3.34
E003613		0.30	<0.005	0.2	1.58	14	<10	120	<0.5	<2	0.15	<0.5	12	50	42	2.81
E003614		0.26	<0.005	0.3	1.74	9	<10	160	<0.5	<2	0.17	<0.5	7	29	20	2.56
E003615		0.22	<0.005	0.2	1.36	8	<10	100	<0.5	<2	0.22	<0.5	15	61	123	4.75
E003616		0.22	<0.005	<0.2	1.80	9	<10	200	<0.5	<2	0.17	<0.5	15	31	46	2.82
E003617		0.22	<0.005	<0.2	2.13	10	<10	210	<0.5	<2	0.23	<0.5	17	63	18	3.12
E003618		0.28	<0.005	<0.2	1.77	6	<10	190	<0.5	<2	0.30	<0.5	10	30	11	2.30
E003619		0.24	<0.005	<0.2	1.05	4	<10	100	<0.5	<2	0.15	<0.5	4	20	10	1.83
E003620		0.18	<0.005	<0.2	1.67	10	<10	170	<0.5	<2	0.18	<0.5	13	55	22	2.78
E003621		0.26	<0.005	0.2	1.52	4	<10	50	<0.5	<2	0.16	<0.5	16	117	37	1.98
E003622		0.24	<0.005	<0.2	1.95	12	<10	190	<0.5	<2	0.55	<0.5	14	45	26	3.07
E003623		0.26	<0.005	<0.2	1.39	7	<10	90	<0.5	<2	0.22	<0.5	44	115	67	2.50
E003624		0.22	<0.005	<0.2	2.45	10	<10	240	0.5	<2	0.40	<0.5	64	43	51	3.55
E003625		0.20	<0.005	0.6	1.97	8	<10	320	<0.5	<2	0.28	<0.5	21	94	32	2.72
E003626		0.26	<0.005	<0.2	1.61	11	<10	240	<0.5	<2	0.44	<0.5	7	24	10	2.74
E003627		0.30	<0.005	<0.2	2.06	10	<10	210	0.5	<2	0.34	<0.5	9	31	13	3.10
E003628		0.26	<0.005	0.2	1.99	14	<10	150	0.5	<2	0.34	<0.5	9	33	13	3.10
E003629		0.30	<0.005	<0.2	1.51	7	<10	180	<0.5	<2	0.34	<0.5	10	31	12	2.68
E003630		<0.02	<0.005	0.2	1.60	7	<10	200	0.5	<2	0.39	<0.5	11	33	13	2.76
E003631		0.18	<0.005	0.2	1.69	8	<10	170	<0.5	<2	0.19	<0.5	7	25	11	2.70
E003632		0.20	<0.005	<0.2	1.56	7	<10	120	<0.5	<2	0.11	<0.5	7	21	10	2.78
E003633		0.26	<0.005	0.2	2.14	17	<10	210	<0.5	<2	0.12	<0.5	10	30	16	3.28
E003634		0.32	<0.005	<0.2	1.40	28	<10	190	<0.5	<2	0.12	<0.5	8	22	10	3.21
E003635		0.32	<0.005	<0.2	1.81	5	<10	180	<0.5	<2	0.21	<0.5	8	28	11	2.76
E003636		0.20	<0.005	<0.2	1.50	9	<10	260	<0.5	<2	0.35	<0.5	10	24	11	2.62
E003637		0.18	<0.005	0.3	1.08	7	<10	210	<0.5	<2	0.35	<0.5	6	18	10	2.51
E003638		0.22	<0.005	<0.2	1.24	12	<10	450	<0.5	<2	0.33	<0.5	6	22	12	2.47
E003639		0.22	<0.005	0.3	1.40	5	<10	540	0.6	<2	0.71	<0.5	9	19	21	2.67
E003640		0.20	0.007	<0.2	0.52	6	<10	500	<0.5	<2	3.04	<0.5	5	9	23	1.15
E003641		0.24	<0.005	0.2	0.78	8	<10	200	<0.5	<2	0.07	<0.5	8	13	56	2.47





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## CERTIFICATE OF ANALYSIS VA09111204

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003602		10	1	0.12	10	1.44	217	1	0.01	73	170	<2	<0.01	<2	5	12
E003603		10	1	0.17	10	1.01	242	2	0.01	73	370	6	0.01	<2	2	13
E003604		10	<1	0.06	<10	0.96	388	1	0.01	51	600	4	0.01	<2	2	17
E003605		10	1	0.04	10	0.54	304	1	0.01	20	260	6	<0.01	<2	2	13
E003606		10	1	0.04	10	0.57	233	1	0.01	29	360	8	<0.01	<2	4	20
E003607		10	<1	0.04	10	0.35	146	1	0.01	13	260	8	<0.01	<2	3	18
E003608		10	<1	0.02	10	0.46	271	1	0.01	30	280	8	0.01	<2	3	15
E003609		10	1	0.03	<10	0.61	362	1	0.01	25	180	6	<0.01	<2	2	10
E003610		10	<1	0.04	<10	0.82	239	1	0.01	8	270	3	<0.01	<2	3	14
E003611		10	1	0.03	10	0.35	201	1	0.01	17	290	9	<0.01	<2	3	12
E003612		10	<1	0.03	10	0.44	194	1	0.01	87	320	6	0.01	2	2	14
E003613		10	1	0.02	<10	0.38	160	1	0.01	59	270	9	<0.01	<2	3	13
E003614		10	<1	0.03	10	0.33	140	1	0.01	23	270	8	<0.01	<2	3	17
E003615		10	<1	0.03	<10	0.28	131	3	0.01	60	490	5	0.03	<2	3	23
E003616		10	<1	0.04	10	0.38	229	1	0.01	48	460	7	0.01	<2	2	15
E003617		10	<1	0.03	10	0.53	505	1	0.01	49	590	7	<0.01	2	3	18
E003618		10	<1	0.06	10	0.52	315	1	0.01	29	700	6	<0.01	<2	2	20
E003619		10	<1	0.03	10	0.20	182	1	0.01	13	280	6	<0.01	<2	2	13
E003620		10	<1	0.03	10	0.46	1570	1	0.01	50	730	5	<0.01	<2	2	13
E003621		<10	1	0.02	<10	0.98	152	<1	0.01	136	300	3	<0.01	<2	2	10
E003622		10	1	0.06	10	0.57	385	1	0.01	47	600	6	<0.01	<2	3	41
E003623		10	1	0.02	<10	1.17	247	<1	0.01	251	140	3	<0.01	<2	2	10
E003624		10	1	0.04	10	0.51	1625	1	0.01	200	970	9	0.01	<2	3	28
E003625		10	1	0.05	10	0.82	528	1	0.01	95	390	5	0.01	<2	3	21
E003626		10	2	0.14	10	0.45	227	1	0.01	14	950	8	0.01	<2	3	25
E003627		10	1	0.10	10	0.51	403	1	0.01	19	320	24	<0.01	<2	3	26
E003628		10	1	0.10	10	0.52	361	1	0.01	19	280	15	<0.01	<2	3	26
E003629		10	1	0.17	10	0.54	424	1	0.01	20	510	8	<0.01	<2	3	25
E003630		10	1	0.19	10	0.57	506	1	0.01	22	540	7	<0.01	<2	3	28
E003631		10	<1	0.08	10	0.40	237	1	0.01	14	170	9	<0.01	<2	2	16
E003632		10	1	0.27	10	0.48	243	1	0.01	12	200	8	<0.01	2	2	12
E003633		<10	1	0.04	10	0.40	322	1	0.01	19	240	7	<0.01	<2	3	13
E003634		10	1	0.07	10	0.29	220	1	<0.01	17	410	5	<0.01	<2	3	12
E003635		<10	2	0.12	10	0.51	185	<1	0.01	15	200	9	<0.01	<2	4	17
E003636		<10	1	0.23	10	0.47	801	1	0.01	15	230	5	0.01	<2	3	25
E003637		10	1	0.15	10	0.31	227	1	0.01	12	190	7	0.01	<2	3	22
E003638		<10	2	0.09	10	0.35	258	<1	0.01	14	140	13	<0.01	3	3	21
E003639		10	1	0.08	10	0.37	487	1	0.02	12	210	7	0.01	<2	4	38
E003640		<10	1	0.04	10	0.34	262	<1	0.01	7	650	8	0.12	<2	2	108
E003641		<10	1	0.07	10	0.18	284	3	<0.01	27	400	8	0.05	<2	2	25



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## CERTIFICATE OF ANALYSIS VA09111204

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
E003602		<20	0.14	<10	<10	70	<10	53
E003603		<20	0.16	<10	<10	63	<10	63
E003604		<20	0.13	<10	<10	63	<10	58
E003605		<20	0.08	<10	<10	58	<10	56
E003606		<20	0.10	<10	<10	65	<10	41
E003607		<20	0.08	<10	<10	71	<10	30
E003608		<20	0.10	<10	<10	88	<10	48
E003609		<20	0.10	<10	<10	64	<10	39
E003610		<20	0.08	<10	<10	43	<10	55
E003611		<20	0.09	<10	<10	94	<10	42
E003612		<20	0.09	<10	<10	79	<10	41
E003613		<20	0.08	<10	<10	73	<10	42
E003614		<20	0.09	<10	<10	74	<10	27
E003615		<20	0.10	<10	<10	73	<10	35
E003616		<20	0.08	<10	<10	70	<10	38
E003617		<20	0.07	<10	<10	75	<10	64
E003618		<20	0.05	<10	<10	51	<10	76
E003619		<20	0.06	<10	<10	53	<10	28
E003620		<20	0.07	<10	<10	65	<10	75
E003621		<20	0.09	<10	<10	40	<10	45
E003622		<20	0.09	<10	<10	73	<10	49
E003623		<20	0.06	<10	<10	46	<10	37
E003624		<20	0.08	<10	<10	67	<10	111
E003625		<20	0.09	<10	<10	60	<10	48
E003626		<20	0.07	<10	<10	56	<10	52
E003627		<20	0.08	<10	<10	66	<10	61
E003628		<20	0.09	<10	<10	67	<10	57
E003629		<20	0.08	<10	<10	55	<10	49
E003630		<20	0.08	<10	<10	55	<10	52
E003631		<20	0.08	<10	<10	60	<10	42
E003632		<20	0.09	<10	<10	49	<10	48
E003633		<20	0.06	<10	<10	65	<10	55
E003634		<20	0.05	<10	<10	58	<10	55
E003635		<20	0.09	<10	<10	55	<10	45
E003636		<20	0.09	<10	<10	49	<10	44
E003637		<20	0.06	<10	<10	45	<10	33
E003638		<20	0.05	<10	<10	50	<10	37
E003639		<20	0.05	<10	<10	48	<10	35
E003640		<20	0.01	<10	<10	17	<10	20
E003641		<20	0.02	<10	<10	29	<10	75



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## CERTIFICATE OF ANALYSIS VA09111204

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003642		0.32	<0.005	0.6	2.01	20	<10	180	<0.5	<2	0.16	<0.5	8	32	25	3.38
E003643		0.34	<0.005	<0.2	1.91	7	<10	140	<0.5	<2	0.15	<0.5	8	35	16	2.84
E003644		0.26	<0.005	0.4	1.72	8	<10	180	<0.5	<2	0.19	<0.5	8	31	15	2.71
E003645		0.24	<0.005	0.7	1.61	25	<10	180	<0.5	<2	0.16	<0.5	7	30	18	3.26
E003646		0.26	<0.005	0.3	1.54	9	<10	260	<0.5	<2	0.16	<0.5	11	27	15	3.00
E003647		0.24	<0.005	0.8	1.78	16	<10	210	<0.5	<2	0.14	<0.5	9	33	33	3.46
E003648		0.20	<0.005	<0.2	1.08	14	<10	260	<0.5	<2	0.14	<0.5	6	24	17	3.18
E003649		0.32	<0.005	<0.2	1.40	12	<10	160	<0.5	<2	0.13	<0.5	4	26	18	3.30
E003650		0.06	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	0.01	<0.5	<1	1	<1	0.02
E003651		0.24	<0.005	0.4	1.58	9	<10	170	<0.5	<2	0.12	<0.5	23	23	13	2.87
E003652		0.22	<0.005	0.5	1.38	7	<10	310	<0.5	<2	0.18	<0.5	8	22	13	2.44
E003653		0.12	<0.005	0.6	1.02	7	<10	640	<0.5	<2	0.30	0.5	9	21	21	2.76
E003654		0.26	<0.005	0.2	1.46	7	<10	650	0.5	<2	0.20	<0.5	11	31	20	3.02
E003655		0.22	0.005	<0.2	1.31	9	<10	580	<0.5	<2	0.35	<0.5	10	28	18	2.77
E003656		0.20	<0.005	0.3	1.36	11	<10	390	<0.5	<2	0.36	<0.5	10	33	17	2.60
E003657		0.18	<0.005	0.5	1.69	7	<10	280	0.5	<2	0.33	<0.5	9	34	16	2.80
E003658		0.26	<0.005	<0.2	1.49	9	<10	250	<0.5	<2	0.35	<0.5	13	72	24	2.92
E003659		0.14	<0.005	0.3	1.73	10	<10	590	<0.5	<2	0.39	<0.5	11	50	15	3.03
E003660		0.18	<0.005	<0.2	1.67	9	<10	360	<0.5	<2	0.49	<0.5	10	37	16	2.82
E003661		0.30	<0.005	0.4	2.07	8	<10	710	<0.5	<2	0.42	<0.5	13	48	13	3.36
E003662		0.20	<0.005	0.2	3.39	4	<10	760	<0.5	<2	0.43	<0.5	13	116	28	4.97
E003663		0.24	<0.005	0.3	1.28	10	<10	310	<0.5	<2	0.12	1.0	9	24	15	2.65
E003664		0.26	<0.005	0.3	2.44	14	<10	230	0.5	<2	0.14	0.5	9	41	26	3.71
E003665		0.22	<0.005	0.3	2.16	9	<10	360	<0.5	<2	0.19	1.8	11	38	36	3.80
E003666		0.20	<0.005	<0.2	1.43	9	<10	310	<0.5	<2	0.23	0.9	7	19	9	2.65
E003667		0.30	<0.005	0.4	2.89	13	<10	270	0.5	<2	0.11	<0.5	10	40	29	3.78
E003668		0.28	<0.005	0.4	1.95	10	<10	410	<0.5	<2	0.20	<0.5	12	38	17	3.26
E003669		0.20	<0.005	0.3	1.67	10	<10	300	<0.5	<2	0.12	<0.5	14	28	13	2.62
E003670		<0.02	<0.005	0.5	1.79	8	<10	340	<0.5	<2	0.13	<0.5	19	30	15	2.75
E003671		0.24	<0.005	0.6	1.96	46	<10	290	<0.5	<2	0.18	<0.5	8	30	13	3.31
E003672		0.32	<0.005	0.5	2.56	16	<10	200	<0.5	<2	0.13	<0.5	10	44	24	3.60
E003673		0.26	<0.005	<0.2	2.65	10	<10	220	0.6	<2	0.11	<0.5	12	41	24	3.28
E003674		0.24	<0.005	0.6	1.76	7	<10	600	<0.5	<2	0.34	1.0	15	32	40	3.42
E003675		0.30	<0.005	0.5	2.53	20	<10	310	0.6	<2	0.14	<0.5	12	38	40	3.47
E003676		0.24	<0.005	0.2	1.65	10	<10	210	<0.5	<2	0.29	<0.5	6	30	13	2.63
E003677		0.30	<0.005	0.2	1.60	11	<10	450	<0.5	<2	0.86	<0.5	7	33	27	2.65
E003678		0.20	<0.005	0.2	1.27	9	<10	530	<0.5	<2	2.20	0.5	13	26	40	2.23
E003679		0.26	<0.005	<0.2	1.10	21	<10	270	<0.5	<2	1.27	<0.5	6	24	30	2.27
E003680		0.28	<0.005	0.2	1.22	19	<10	270	<0.5	<2	1.22	<0.5	7	27	26	2.31
E003681		0.12	<0.005	0.3	0.66	38	<10	390	<0.5	<2	3.31	<0.5	7	13	33	1.69



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003642		10	2	0.05	10	0.33	170	2	0.01	20	330	7	0.01	3	3	23
E003643		10	1	0.06	10	0.48	198	1	0.01	19	120	6	<0.01	<2	3	17
E003644		10	1	0.05	10	0.41	207	1	0.01	16	190	7	0.01	2	3	21
E003645		10	2	0.06	10	0.36	247	2	0.01	13	510	8	0.01	<2	3	21
E003646		10	1	0.03	10	0.27	681	1	0.01	18	720	8	<0.01	<2	3	13
E003647		10	1	0.04	10	0.29	255	2	0.01	37	530	10	0.01	<2	4	20
E003648		10	2	0.07	10	0.23	322	3	0.01	15	1540	12	0.06	<2	3	18
E003649		10	1	0.05	10	0.28	166	2	0.01	13	520	9	0.01	<2	3	18
E003650		<10	1	<0.01	<10	<0.01	<5	<1	<0.01	<1	20	<2	<0.01	<2	<1	1
E003651		10	1	0.03	10	0.28	980	1	0.01	12	490	8	0.01	<2	2	13
E003652		10	1	0.06	10	0.29	576	1	0.01	14	460	7	<0.01	<2	2	19
E003653		10	1	0.06	10	0.19	563	2	0.01	24	610	8	0.01	<2	2	34
E003654		<10	1	0.07	10	0.36	594	1	0.01	23	400	6	0.01	<2	4	23
E003655		10	1	0.15	10	0.36	791	1	0.01	27	530	5	0.01	<2	3	31
E003656		10	1	0.19	10	0.39	430	<1	0.01	23	390	6	0.01	<2	5	24
E003657		10	1	0.07	10	0.41	298	2	0.01	19	570	8	0.02	<2	5	25
E003658		<10	1	0.13	10	0.51	339	1	0.01	23	280	6	0.01	<2	6	24
E003659		10	<1	0.26	10	0.69	522	1	0.01	18	360	4	0.01	<2	4	25
E003660		10	1	0.29	10	0.58	450	1	0.02	18	310	4	0.01	<2	5	29
E003661		10	2	0.27	10	0.75	506	1	0.01	20	550	6	0.01	<2	4	28
E003662		10	2	1.48	10	2.04	743	1	0.01	28	950	4	0.01	<2	4	23
E003663		<10	1	0.06	10	0.31	1550	2	0.01	12	480	9	0.01	<2	2	13
E003664		10	1	0.08	10	0.58	268	2	0.01	23	510	9	0.04	<2	3	18
E003665		10	1	0.06	10	0.52	433	2	0.01	47	590	9	0.05	<2	3	22
E003666		10	1	0.11	10	0.35	461	1	0.01	12	830	8	0.01	<2	2	22
E003667		10	2	0.04	10	0.47	236	2	0.01	22	410	10	0.04	<2	3	15
E003668		10	1	0.07	10	0.48	594	1	0.01	39	290	7	0.01	<2	3	18
E003669		10	2	0.05	10	0.36	1565	1	0.01	25	400	10	0.01	<2	2	13
E003670		10	1	0.05	10	0.39	2360	1	0.01	28	450	9	0.01	<2	2	14
E003671		10	2	0.07	10	0.36	297	1	0.01	18	490	9	0.01	2	2	17
E003672		10	1	0.04	10	0.47	209	2	0.01	19	430	10	0.01	<2	5	15
E003673		10	1	0.05	10	0.51	313	1	0.01	35	260	10	0.01	<2	3	12
E003674		10	2	0.10	10	0.55	1985	2	0.01	27	1440	6	0.04	2	3	40
E003675		10	1	0.06	10	0.48	405	2	0.01	38	470	9	0.02	<2	4	16
E003676		10	1	0.04	10	0.44	189	1	0.01	15	400	8	0.01	<2	3	19
E003677		10	1	0.04	10	0.44	240	<1	0.02	22	660	6	0.04	<2	4	37
E003678		<10	1	0.03	10	0.31	1025	1	0.02	33	810	4	0.08	4	4	65
E003679		<10	1	0.04	10	0.30	236	<1	0.01	18	710	6	0.07	3	4	44
E003680		10	1	0.04	10	0.36	187	<1	0.01	19	710	6	0.06	3	5	43
E003681		<10	1	0.03	10	0.17	759	1	0.02	22	870	3	0.13	3	2	95



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## CERTIFICATE OF ANALYSIS VA09111204

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
E003642		<20	0.06	<10	<10	74	<10	47
E003643		<20	0.09	<10	<10	73	<10	45
E003644		<20	0.08	<10	<10	70	<10	43
E003645		<20	0.08	<10	<10	87	<10	47
E003646		<20	0.08	<10	<10	75	<10	49
E003647		<20	0.06	<10	<10	79	<10	104
E003648		<20	0.08	<10	<10	85	<10	64
E003649		<20	0.07	<10	<10	89	<10	43
E003650		<20	<0.01	<10	<10	<1	<10	<2
E003651		<20	0.07	<10	<10	70	<10	72
E003652		<20	0.06	<10	<10	59	<10	68
E003653		<20	0.03	<10	<10	59	<10	77
E003654		<20	0.07	<10	<10	66	<10	69
E003655		<20	0.07	<10	<10	56	<10	67
E003656		<20	0.09	<10	<10	60	<10	40
E003657		<20	0.07	<10	<10	62	<10	47
E003658		<20	0.08	<10	<10	78	<10	43
E003659		<20	0.12	<10	<10	72	<10	55
E003660		<20	0.11	<10	<10	65	<10	46
E003661		<20	0.13	<10	<10	77	<10	69
E003662		<20	0.27	<10	<10	103	<10	122
E003663		<20	0.08	<10	<10	73	<10	68
E003664		<20	0.10	<10	<10	88	<10	131
E003665		<20	0.08	<10	<10	91	<10	276
E003666		<20	0.07	<10	<10	57	<10	108
E003667		<20	0.09	<10	<10	89	<10	64
E003668		<20	0.11	<10	<10	83	<10	85
E003669		<20	0.08	<10	<10	61	<10	93
E003670		<20	0.08	<10	<10	63	<10	98
E003671		<20	0.08	<10	<10	82	<10	76
E003672		<20	0.09	<10	<10	79	<10	45
E003673		<20	0.09	<10	<10	73	<10	60
E003674		<20	0.07	<10	<10	79	<10	139
E003675		<20	0.06	<10	<10	75	<10	65
E003676		<20	0.07	<10	<10	65	<10	45
E003677		<20	0.05	<10	<10	61	<10	50
E003678		<20	0.03	<10	<10	43	<10	55
E003679		<20	0.03	<10	<10	48	<10	60
E003680		<20	0.03	<10	<10	52	<10	69
E003681		<20	0.02	<10	<10	26	<10	45



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## CERTIFICATE OF ANALYSIS VA09111204

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003682		0.28	<0.005	0.3	1.28	5	<10	120	<0.5	<2	0.27	<0.5	6	21	16	2.17
E003683		0.36	<0.005	<0.2	2.14	6	<10	200	0.7	<2	0.35	<0.5	11	33	37	3.51
E003684		0.38	<0.005	<0.2	1.82	5	<10	160	1.0	<2	0.53	<0.5	9	43	56	3.20
E003685		0.28	<0.005	0.2	2.58	9	<10	130	<0.5	<2	0.32	<0.5	14	42	34	3.31
E003686		0.24	<0.005	<0.2	1.92	6	<10	80	<0.5	<2	0.15	<0.5	9	29	18	3.47
E003687		0.30	<0.005	<0.2	1.73	8	<10	80	<0.5	<2	0.22	<0.5	12	25	20	2.65
E003688		0.14	<0.005	<0.2	0.69	4	<10	70	<0.5	<2	0.24	<0.5	5	14	20	1.30
E003689		0.20	<0.005	<0.2	0.92	3	<10	120	<0.5	<2	0.33	<0.5	5	15	25	1.34
E003690		0.06	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.02
E003691		0.14	<0.005	<0.2	0.80	3	<10	100	<0.5	<2	0.56	<0.5	5	10	15	1.03
E003692		0.28	<0.005	<0.2	1.61	8	<10	120	<0.5	<2	0.24	<0.5	7	25	15	2.53
E003693		0.36	<0.005	<0.2	1.85	7	<10	160	0.6	<2	0.27	<0.5	8	22	19	2.59
E003694		0.34	<0.005	<0.2	2.09	9	<10	200	0.6	<2	0.37	<0.5	12	40	34	3.17
E003695		0.34	<0.005	<0.2	1.98	5	<10	170	<0.5	<2	0.31	<0.5	9	31	22	2.68
E003696		0.24	<0.005	<0.2	1.89	7	<10	230	<0.5	<2	0.55	<0.5	10	26	24	2.75
E003697		0.24	<0.005	<0.2	1.79	7	<10	180	<0.5	<2	0.78	<0.5	10	26	20	2.47
E003698		0.22	<0.005	<0.2	1.74	6	<10	130	<0.5	<2	0.38	<0.5	10	27	19	2.75
E003699		0.22	<0.005	0.2	1.01	5	<10	140	<0.5	<2	0.30	<0.5	6	19	21	1.72
E003700		0.22	<0.005	<0.2	0.99	4	<10	140	<0.5	<2	0.27	<0.5	5	18	18	1.62
E003701		0.28	<0.005	<0.2	2.13	11	<10	170	0.5	<2	0.19	<0.5	10	46	23	3.12
E003702		0.32	<0.005	<0.2	3.28	14	<10	120	<0.5	<2	0.27	<0.5	27	446	15	3.15
E003703		0.32	<0.005	<0.2	1.65	10	<10	150	<0.5	<2	0.14	<0.5	5	30	13	3.19
E003704		0.22	<0.005	<0.2	3.06	13	<10	90	0.8	<2	0.34	<0.5	11	43	26	3.47
E003705		0.20	<0.005	0.2	0.59	6	<10	80	<0.5	<2	0.10	<0.5	3	15	17	1.68
E003706		0.26	<0.005	<0.2	1.60	7	<10	140	<0.5	<2	0.17	<0.5	6	22	10	2.34
E003707		0.32	<0.005	<0.2	1.56	7	<10	170	<0.5	<2	0.11	<0.5	6	18	13	2.45
E003708		0.22	<0.005	0.2	1.35	9	<10	220	0.5	<2	0.27	<0.5	25	22	31	2.76
E003709		0.24	<0.005	<0.2	2.07	9	<10	160	<0.5	<2	0.23	<0.5	11	33	31	3.04
E003710		<0.02	<0.005	<0.2	2.09	9	<10	160	<0.5	<2	0.23	<0.5	11	34	32	3.10
E003711		0.28	<0.005	<0.2	2.07	5	<10	180	<0.5	<2	0.49	<0.5	10	37	16	2.67
E003712		0.38	<0.005	<0.2	2.28	8	<10	280	<0.5	<2	0.31	<0.5	13	30	16	3.53
E003713		0.28	<0.005	<0.2	1.89	9	<10	140	<0.5	<2	0.18	<0.5	9	29	23	2.75
E003714		0.26	<0.005	<0.2	0.67	2	<10	120	<0.5	<2	0.20	<0.5	3	12	15	1.11
E003715		0.26	<0.005	<0.2	1.71	13	<10	120	<0.5	<2	0.11	<0.5	8	29	10	4.27
E003716		0.24	<0.005	<0.2	1.67	8	<10	110	<0.5	<2	0.22	<0.5	6	26	13	2.81
E003717		0.24	<0.005	<0.2	1.66	6	<10	140	<0.5	<2	0.21	<0.5	8	21	20	3.06
E003718		0.32	0.011	<0.2	2.80	8	<10	190	0.5	<2	0.17	<0.5	14	36	22	3.63
E003719		0.22	<0.005	<0.2	1.61	4	<10	140	<0.5	<2	0.34	<0.5	11	22	13	2.32
E003720		0.28	<0.005	<0.2	2.12	9	<10	200	<0.5	<2	0.44	<0.5	13	31	19	2.91
E003721		0.24	<0.005	0.3	3.08	14	<10	140	0.7	<2	0.29	<0.5	19	65	29	4.66



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003682		10	<1	0.04	10	0.39	147	1	0.01	16	680	5	0.02	<2	2	16
E003683		10	1	0.22	30	0.65	299	<1	0.01	31	880	9	0.01	<2	5	22
E003684		10	1	0.15	30	0.79	153	<1	0.01	34	1060	17	0.01	<2	9	28
E003685		10	2	0.05	10	0.62	234	1	0.02	27	310	7	0.01	<2	5	25
E003686		10	1	0.04	10	0.38	228	1	0.01	15	240	7	0.02	<2	3	13
E003687		10	1	0.04	<10	0.38	156	<1	0.01	20	420	4	0.02	<2	2	17
E003688		<10	1	0.05	10	0.19	147	<1	0.02	7	850	2	0.08	<2	1	17
E003689		<10	1	0.04	10	0.22	107	1	0.02	11	750	3	0.09	<2	1	26
E003690		<10	1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.01	<2	<1	1
E003691		<10	1	0.02	20	0.15	801	<1	0.03	7	960	3	0.06	<2	1	38
E003692		10	<1	0.05	10	0.44	266	1	0.01	17	310	10	0.02	<2	3	18
E003693		<10	<1	0.17	20	0.52	184	<1	0.01	17	620	11	0.02	<2	3	18
E003694		10	<1	0.04	30	0.62	424	<1	0.01	28	280	7	0.01	<2	7	31
E003695		10	<1	0.04	10	0.52	176	<1	0.01	24	270	7	0.01	<2	3	26
E003696		10	<1	0.03	10	0.47	688	<1	0.02	17	430	10	0.02	<2	3	41
E003697		10	<1	0.03	10	0.42	455	<1	0.02	16	390	13	0.03	<2	3	54
E003698		10	<1	0.04	10	0.49	614	<1	0.02	18	360	58	0.02	<2	3	29
E003699		<10	<1	0.04	10	0.25	157	<1	0.01	15	490	11	0.04	<2	2	26
E003700		<10	<1	0.03	10	0.24	118	<1	0.01	12	320	11	0.03	<2	2	24
E003701		10	<1	0.04	20	0.50	237	<1	0.01	54	400	14	0.02	<2	3	19
E003702		10	<1	0.04	10	3.04	222	<1	0.01	478	170	2	0.01	<2	3	21
E003703		10	<1	0.04	10	0.38	155	1	0.01	18	250	7	0.02	<2	3	17
E003704		10	<1	0.03	10	0.58	231	<1	0.01	32	250	33	0.02	<2	5	34
E003705		10	<1	0.04	10	0.08	179	1	0.01	11	390	5	0.03	<2	1	12
E003706		10	<1	0.04	10	0.31	163	<1	0.01	13	310	13	0.01	<2	2	16
E003707		10	<1	0.04	10	0.27	170	<1	0.01	13	230	5	0.01	<2	1	11
E003708		10	<1	0.04	20	0.22	2530	2	0.02	16	520	12	0.03	<2	3	24
E003709		10	<1	0.04	10	0.53	256	<1	0.01	28	380	6	0.02	<2	4	20
E003710		10	<1	0.04	10	0.52	263	1	0.01	28	400	5	0.02	<2	4	20
E003711		10	<1	0.05	10	0.33	385	<1	0.02	23	280	5	0.02	<2	2	39
E003712		10	<1	0.12	10	0.58	632	<1	0.01	21	240	7	0.01	<2	3	24
E003713		10	1	0.06	10	0.47	229	<1	0.01	21	230	7	0.02	<2	3	18
E003714		<10	<1	0.04	10	0.11	136	<1	0.02	5	220	5	0.02	<2	1	19
E003715		10	<1	0.04	10	0.35	310	2	0.02	10	410	14	0.02	<2	2	13
E003716		10	<1	0.06	10	0.35	171	1	0.02	13	270	17	0.02	<2	2	18
E003717		<10	<1	0.17	10	0.49	174	<1	0.02	23	260	6	0.02	<2	1	18
E003718		10	1	0.08	10	0.58	335	<1	0.02	28	320	11	0.02	<2	4	16
E003719		<10	<1	0.03	10	0.50	1020	1	0.03	13	470	9	0.03	<2	2	22
E003720		10	<1	0.04	10	0.70	1010	<1	0.03	21	540	11	0.02	<2	3	28
E003721		10	<1	0.06	10	0.99	333	1	0.02	50	490	33	0.02	<2	3	21



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Th	Ti	Ti	U	V	W	
	Units	ppm	%	ppm	ppm	ppm	ppm	
LOR		20	0.01	10	10	1	10	
							Zn	
							ppm	
							2	
E003682		<20	0.06	<10	<10	45	<10	43
E003683		<20	0.08	<10	<10	54	<10	107
E003684		<20	0.08	<10	<10	63	<10	156
E003685		<20	0.13	<10	<10	82	<10	54
E003686		<20	0.15	<10	<10	97	<10	39
E003687		<20	0.09	<10	<10	63	<10	36
E003688		<20	0.03	<10	<10	32	<10	38
E003689		<20	0.04	<10	<10	31	<10	30
E003690		<20	<0.01	<10	<10	<1	<10	<2
E003691		<20	0.04	<10	<10	20	<10	18
E003692		<20	0.08	<10	<10	60	<10	42
E003693		<20	0.06	<10	<10	45	<10	48
E003694		<20	0.11	<10	<10	69	<10	50
E003695		<20	0.09	<10	<10	52	<10	44
E003696		<20	0.07	<10	<10	65	<10	49
E003697		<20	0.08	<10	<10	61	<10	43
E003698		<20	0.09	<10	<10	71	<10	48
E003699		<20	0.05	<10	<10	37	<10	26
E003700		<20	0.06	<10	<10	38	<10	23
E003701		<20	0.08	<10	<10	63	<10	45
E003702		<20	0.10	<10	<10	48	<10	59
E003703		<20	0.10	<10	<10	86	<10	37
E003704		<20	0.09	<10	<10	86	<10	60
E003705		<20	0.06	<10	<10	56	<10	31
E003706		<20	0.04	<10	<10	59	<10	34
E003707		<20	0.05	<10	<10	55	<10	42
E003708		<20	0.06	<10	<10	61	<10	36
E003709		<20	0.09	<10	<10	71	<10	44
E003710		<20	0.09	<10	<10	73	<10	45
E003711		<20	0.06	<10	<10	66	<10	49
E003712		<20	0.10	<10	<10	71	<10	68
E003713		<20	0.10	<10	<10	59	<10	45
E003714		<20	0.05	<10	<10	32	<10	18
E003715		<20	0.13	<10	<10	103	<10	37
E003716		<20	0.10	<10	<10	72	<10	33
E003717		<20	0.12	<10	<10	46	<10	59
E003718		<20	0.12	<10	<10	74	<10	58
E003719		<20	0.07	<10	<10	50	<10	32
E003720		<20	0.09	<10	<10	64	<10	43
E003721		<20	0.10	<10	<10	88	<10	52





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CERTIFICATE OF ANALYSIS	VA09111204
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Sample Description	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003722	0.28	<0.005	<0.2	1.33	8	<10	70	<0.5	<2	0.11	<0.5	6	19	14	3.07
E003723	0.38	<0.005	<0.2	2.55	9	<10	230	0.6	<2	0.21	<0.5	11	33	23	3.47
E003724	0.24	<0.005	<0.2	2.00	11	<10	180	<0.5	<2	0.25	<0.5	10	43	27	3.19
E003725	0.24	0.011	<0.2	0.63	3	<10	70	<0.5	<2	0.08	<0.5	2	11	15	1.03
E003726	0.36	<0.005	<0.2	2.03	7	<10	160	<0.5	<2	0.18	<0.5	8	21	12	2.93
E003727	0.36	<0.005	<0.2	2.21	7	<10	210	<0.5	<2	0.25	<0.5	10	37	34	2.89
E003728	0.22	0.033	0.4	0.92	4	<10	110	<0.5	<2	0.16	<0.5	5	20	37	1.51
E003729	0.22	0.005	0.2	0.52	5	<10	80	<0.5	<2	0.12	<0.5	2	12	14	0.91
E003730	0.04	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.02
E003731	0.34	<0.005	0.2	1.81	17	<10	180	<0.5	<2	0.16	<0.5	6	28	20	3.11
E003732	0.36	<0.005	<0.2	1.98	8	<10	150	<0.5	<2	0.24	<0.5	10	49	24	2.78
E003733	0.26	<0.005	0.3	1.26	8	<10	540	<0.5	<2	1.70	<0.5	6	26	25	1.70
E003734	0.40	<0.005	<0.2	2.50	6	<10	150	<0.5	<2	0.18	<0.5	10	51	26	3.79
E003735	0.34	<0.005	0.2	1.52	3	<10	160	<0.5	<2	0.54	<0.5	7	40	23	2.28
E003736	0.22	0.026	0.3	1.19	5	<10	90	<0.5	<2	0.25	<0.5	5	42	17	1.78
E003737	0.30	<0.005	<0.2	1.75	8	<10	180	<0.5	<2	1.07	<0.5	14	114	17	2.19
E003738	0.28	0.025	0.3	1.10	35	<10	1640	0.6	<2	1.23	<0.5	6	18	14	1.57
E003739	0.26	0.040	0.5	1.06	46	<10	470	0.5	<2	0.44	<0.5	5	18	11	1.26
E003740	0.30	0.042	0.2	1.11	56	<10	440	<0.5	<2	0.40	<0.5	5	18	10	1.31



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Project: HAO09-01

## CERTIFICATE OF ANALYSIS VA09111204

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003722		<10	<1	0.05	10	0.41	151	1	0.02	11	140	6	0.02	<2	1	10
E003723		10	<1	0.07	10	0.56	288	<1	0.02	22	330	13	0.02	<2	4	20
E003724		<10	<1	0.05	10	0.69	314	1	0.02	23	490	15	0.03	<2	4	17
E003725		<10	<1	0.02	10	0.07	46	<1	0.01	5	400	17	0.03	<2	<1	11
E003726		10	1	0.05	10	0.47	220	<1	0.01	12	430	10	0.02	<2	3	15
E003727		10	<1	0.03	10	0.68	297	<1	0.01	21	260	4	0.01	2	5	20
E003728		<10	<1	0.03	10	0.17	128	<1	0.01	15	530	3	0.04	2	1	17
E003729		<10	1	0.03	<10	0.10	55	<1	0.01	6	310	4	0.01	<2	1	13
E003730		<10	1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	<0.01	<2	<1	<1
E003731		10	1	0.03	10	0.36	214	1	0.01	16	380	10	0.01	<2	3	17
E003732		<10	2	0.04	10	0.75	318	1	0.01	26	460	5	0.01	<2	5	18
E003733		<10	1	0.02	10	0.28	405	<1	0.01	20	1220	2	0.11	<2	3	62
E003734		10	1	0.03	10	0.87	321	1	0.01	21	320	8	0.01	<2	7	15
E003735		10	1	0.05	30	0.69	246	<1	0.01	19	570	10	0.03	<2	4	27
E003736		10	1	0.04	10	0.40	144	1	0.02	20	530	4	0.03	<2	3	17
E003737		10	1	0.03	10	0.91	590	<1	0.02	29	580	4	0.05	<2	5	39
E003738		<10	1	0.05	40	0.20	534	1	0.01	9	1240	17	0.11	<2	3	91
E003739		<10	1	0.06	30	0.19	232	<1	0.01	8	1070	12	0.10	<2	2	40
E003740		<10	1	0.06	30	0.19	240	<1	0.01	8	1000	13	0.08	<2	2	37



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## CERTIFICATE OF ANALYSIS VA09111204

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		20	0.01	10	10	1	10	2
E003722		<20	0.09	<10	<10	53	<10	42
E003723		<20	0.09	<10	<10	72	<10	51
E003724		<20	0.07	<10	<10	72	<10	53
E003725		<20	0.02	<10	<10	26	<10	16
E003726		<20	0.02	<10	<10	53	<10	46
E003727		<20	0.07	<10	<10	62	<10	55
E003728		<20	0.03	<10	<10	37	<10	24
E003729		<20	0.04	<10	<10	27	<10	17
E003730		<20	<0.01	<10	<10	<1	<10	<2
E003731		<20	0.07	<10	<10	81	<10	47
E003732		<20	0.07	<10	<10	64	<10	55
E003733		<20	0.02	<10	<10	35	<10	21
E003734		<20	0.04	<10	<10	87	<10	50
E003735		<20	0.06	<10	<10	50	<10	49
E003736		<20	0.05	<10	<10	49	<10	38
E003737		<20	0.05	<10	<10	57	<10	44
E003738		<20	0.02	<10	<10	35	<10	26
E003739		<20	0.02	<10	<10	19	<10	31
E003740		<20	0.03	<10	<10	21	<10	32



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## CERTIFICATE VA09111205

Project: HAO09-01

P.O. No.: HAO09-01

This report is for 240 Soil samples submitted to our lab in Vancouver, BC, Canada on 6-OCT-2009.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL  
NEIL PERK

HENRY AWMACK

MURRAY JONES

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-24	Pulp Login - Rcd w/o Barcode
SCR-41	Screen to -180um and save both
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-34	Pulp Splitting Charge

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.

ATTN: NEIL PERK

700 - 700 PENDER ST.

VANCOUVER BC V6C 1G8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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## CERTIFICATE OF ANALYSIS VA09111205

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR															
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003741		0.38	0.010	<0.2	1.70	19	<10	360	0.6	<2	0.25	<0.5	7	27	18	2.42
E003742		0.26	<0.005	<0.2	1.35	11	<10	180	<0.5	<2	0.22	<0.5	6	34	16	2.04
E003743		0.38	<0.005	<0.2	1.54	5	<10	80	<0.5	<2	0.16	<0.5	8	80	29	2.76
E003744		0.36	0.007	0.2	2.53	10	<10	190	0.7	<2	0.16	<0.5	9	44	37	3.34
E003745		0.34	0.006	<0.2	1.80	9	<10	150	<0.5	<2	0.19	<0.5	6	34	16	2.72
E003746		0.34	0.005	<0.2	1.87	10	<10	170	<0.5	<2	0.18	<0.5	7	33	12	3.26
E003747		0.34	0.005	<0.2	1.29	13	<10	80	<0.5	<2	0.08	<0.5	3	20	6	3.01
E003748		0.38	0.005	<0.2	1.73	12	<10	110	<0.5	<2	0.09	<0.5	4	20	10	2.94
E003749		0.34	<0.005	<0.2	2.07	10	<10	190	0.5	<2	0.16	<0.5	7	29	15	2.96
E003750		Not Recvd														
E003751		0.32	<0.005	<0.2	1.71	12	<10	100	<0.5	<2	0.11	<0.5	5	30	9	3.98
E003752		0.34	0.005	0.3	2.04	11	<10	190	<0.5	<2	0.11	<0.5	7	32	15	3.20
E003753		0.44	<0.005	<0.2	2.42	9	<10	120	<0.5	<2	0.16	<0.5	8	45	15	3.37
E003754		0.30	<0.005	<0.2	1.85	11	<10	310	<0.5	<2	0.18	<0.5	8	45	18	3.78
E003755		0.30	<0.005	0.2	1.51	9	<10	200	<0.5	<2	0.19	<0.5	5	30	13	3.21
E003756		0.34	<0.005	<0.2	2.59	10	<10	180	<0.5	<2	0.11	<0.5	9	47	20	3.62
E003757		0.32	<0.005	<0.2	2.10	12	<10	160	<0.5	<2	0.12	<0.5	6	33	17	3.75
E003758		0.22	0.006	<0.2	1.01	4	<10	100	<0.5	<2	0.09	<0.5	2	20	12	1.78
E003759		0.30	0.005	<0.2	1.50	11	<10	150	<0.5	<2	0.16	<0.5	5	29	16	3.76
E003760		0.34	<0.005	<0.2	1.47	10	<10	130	<0.5	<2	0.13	<0.5	6	31	21	3.34
E003761		0.36	<0.005	<0.2	2.78	10	<10	160	0.5	<2	0.11	<0.5	9	26	22	4.56
E003762		0.28	0.011	<0.2	0.86	5	<10	80	<0.5	<2	0.08	<0.5	2	14	12	1.41
E003763		0.20	0.006	<0.2	1.54	95	<10	130	<0.5	<2	0.18	<0.5	9	52	40	2.51
E003764		0.36	0.006	<0.2	2.35	14	<10	110	<0.5	<2	0.15	<0.5	12	92	26	3.53
E003765		0.22	0.006	0.3	0.50	2	<10	60	<0.5	<2	0.10	<0.5	3	12	16	0.91
E003766		0.34	<0.005	<0.2	1.51	7	<10	130	<0.5	<2	0.17	<0.5	5	27	15	2.76
E003767		0.34	<0.005	<0.2	2.01	8	<10	230	<0.5	<2	0.34	<0.5	12	46	37	3.08
E003768		0.44	0.005	<0.2	2.12	5	<10	150	<0.5	<2	0.21	<0.5	13	60	40	2.73
E003769		0.30	<0.005	<0.2	1.56	11	<10	100	<0.5	<2	0.16	<0.5	8	35	19	3.56
E003770		0.04	0.005	<0.2	0.01	<2	<10	10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.03
E003771		0.38	0.005	<0.2	1.02	5	<10	70	<0.5	<2	0.11	<0.5	5	18	16	2.18
E003772		0.32	<0.005	0.3	2.20	15	<10	170	<0.5	<2	0.14	<0.5	8	37	19	3.93
E003773		0.30	<0.005	0.3	2.47	52	<10	150	0.5	<2	0.12	<0.5	12	41	35	4.97
E003774		0.40	<0.005	0.3	2.60	17	<10	210	0.6	<2	0.19	<0.5	9	32	23	3.49
E003775		0.42	<0.005	<0.2	2.15	8	<10	120	<0.5	<2	0.18	<0.5	9	29	38	4.09
E003776		0.38	0.006	<0.2	1.95	10	<10	160	<0.5	<2	0.16	<0.5	8	38	23	3.45
E003777		0.40	<0.005	0.4	2.89	11	<10	200	0.5	<2	0.14	<0.5	10	40	22	3.87
E003778		0.34	0.006	0.3	2.00	15	<10	200	<0.5	<2	0.15	<0.5	8	28	21	3.67
E003779		0.34	0.005	0.5	1.68	9	<10	300	0.8	<2	0.25	<0.5	10	22	45	2.28
E003780		0.22	<0.005	0.4	1.49	7	<10	250	0.7	<2	0.20	<0.5	9	18	36	1.93



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Project: HAO09-01

## CERTIFICATE OF ANALYSIS VA09111205

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003741		<10	<1	0.06	20	0.40	356	<1	0.01	16	460	16	0.01	<2	4	20
E003742		<10	<1	0.06	20	0.38	185	<1	0.01	19	420	13	0.01	<2	3	17
E003743		10	<1	0.03	<10	0.91	205	<1	0.01	34	220	6	0.01	<2	3	11
E003744		10	<1	0.04	10	0.56	262	1	0.01	30	360	6	0.01	2	4	16
E003745		10	<1	0.04	10	0.50	156	1	0.01	19	260	10	0.02	<2	3	14
E003746		<10	<1	0.04	10	0.45	188	<1	0.01	15	490	14	0.02	<2	3	14
E003747		10	<1	0.05	10	0.20	195	1	0.01	7	270	15	0.01	<2	3	9
E003748		10	<1	0.06	10	0.24	147	<1	0.01	9	230	14	0.01	<2	3	10
E003749		10	<1	0.04	10	0.42	220	1	0.01	17	370	13	0.01	<2	3	17
E003750																
E003751		10	<1	0.04	10	0.34	169	1	0.01	10	330	10	0.01	<2	2	12
E003752		10	<1	0.03	10	0.37	238	1	0.01	13	240	9	0.01	<2	3	14
E003753		10	<1	0.04	10	0.52	222	1	0.01	20	350	7	0.01	2	4	16
E003754		10	<1	0.05	10	0.65	239	1	0.01	22	380	7	0.02	<2	4	14
E003755		10	<1	0.06	10	0.37	353	1	0.01	13	290	9	0.01	<2	3	17
E003756		10	<1	0.03	10	0.51	314	1	0.01	21	280	9	0.01	<2	4	13
E003757		10	<1	0.03	10	0.31	233	1	0.01	14	250	11	0.01	<2	4	14
E003758		10	<1	0.02	10	0.12	60	<1	0.01	7	430	6	0.02	<2	1	13
E003759		10	<1	0.03	10	0.27	230	2	0.01	14	410	13	0.01	<2	2	17
E003760		10	<1	0.04	10	0.28	232	1	0.01	19	420	11	0.01	<2	2	14
E003761		10	<1	0.12	10	0.83	316	1	0.01	15	440	7	0.01	<2	8	11
E003762		10	<1	0.02	<10	0.12	67	1	0.01	7	200	7	0.01	<2	1	11
E003763		10	<1	0.03	10	0.49	172	1	0.01	46	460	7	0.01	<2	3	17
E003764		10	<1	0.02	10	0.72	218	1	0.01	47	360	7	0.02	2	3	14
E003765		<10	<1	0.02	<10	0.06	57	<1	0.01	6	430	4	0.02	<2	<1	11
E003766		10	<1	0.03	10	0.29	128	1	0.01	13	420	11	0.02	<2	2	16
E003767		10	<1	0.03	10	0.70	333	<1	0.01	29	510	7	0.01	<2	6	25
E003768		<10	<1	0.03	10	0.81	249	<1	0.01	32	350	4	<0.01	<2	4	18
E003769		10	<1	0.03	10	0.52	237	1	0.01	15	440	7	0.02	<2	2	13
E003770		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	1	10	<2	<0.01	<2	<1	1
E003771		10	<1	0.11	<10	0.31	186	1	0.01	14	310	9	<0.01	<2	1	11
E003772		10	<1	0.03	10	0.42	260	1	0.01	18	250	13	<0.01	<2	4	16
E003773		10	<1	0.07	10	0.57	239	1	0.01	38	270	9	<0.01	2	7	11
E003774		10	<1	0.05	10	0.49	239	1	0.01	20	380	10	<0.01	<2	4	17
E003775		10	<1	0.23	10	0.78	366	1	0.01	37	460	14	0.01	2	3	15
E003776		10	<1	0.08	10	0.53	206	1	0.01	22	520	9	0.01	2	3	17
E003777		10	<1	0.04	10	0.46	287	1	0.01	19	360	11	0.01	2	4	16
E003778		10	<1	0.04	10	0.29	207	1	0.01	23	330	12	0.01	2	3	17
E003779		<10	<1	0.04	70	0.20	571	1	0.02	20	400	8	0.02	<2	3	27
E003780		<10	<1	0.04	60	0.16	606	1	0.02	17	350	7	0.02	<2	3	22



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## CERTIFICATE OF ANALYSIS VA09111205

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
E003741		<20	0.06	<10	<10	50	<10	43
E003742		<20	0.06	<10	<10	48	<10	41
E003743		<20	0.10	<10	<10	66	<10	41
E003744		<20	0.10	<10	<10	75	<10	52
E003745		<20	0.09	<10	<10	64	<10	39
E003746		<20	0.07	<10	<10	67	<10	45
E003747		<20	0.10	<10	<10	116	<10	23
E003748		<20	0.04	<10	<10	65	<10	26
E003749		<20	0.08	<10	<10	67	<10	39
E003750								
E003751		<20	0.11	<10	<10	92	<10	32
E003752		<20	0.08	<10	<10	80	<10	40
E003753		<20	0.09	<10	<10	75	<10	44
E003754		<20	0.10	<10	<10	87	<10	45
E003755		<20	0.08	<10	<10	83	<10	43
E003756		<20	0.11	<10	<10	87	<10	48
E003757		<20	0.10	<10	<10	104	<10	41
E003758		<20	0.04	<10	<10	45	<10	16
E003759		<20	0.08	<10	<10	85	<10	40
E003760		<20	0.05	<10	<10	67	<10	45
E003761		<20	0.11	<10	<10	79	<10	99
E003762		<20	0.06	<10	<10	46	<10	21
E003763		<20	0.08	<10	<10	68	<10	41
E003764		<20	0.08	<10	<10	73	<10	42
E003765		<20	0.03	<10	<10	25	<10	13
E003766		<20	0.07	<10	<10	65	<10	31
E003767		<20	0.10	<10	<10	71	<10	56
E003768		<20	0.10	<10	<10	63	<10	46
E003769		<20	0.12	<10	<10	100	<10	40
E003770		<20	<0.01	<10	<10	<1	<10	2
E003771		<20	0.13	<10	<10	51	<10	35
E003772		<20	0.12	<10	<10	101	<10	43
E003773		<20	0.06	<10	<10	91	<10	79
E003774		<20	0.05	<10	<10	72	<10	45
E003775		<20	0.13	<10	<10	69	<10	77
E003776		<20	0.10	<10	<10	91	<10	46
E003777		<20	0.10	<10	<10	88	<10	49
E003778		<20	0.07	<10	<10	78	<10	48
E003779		<20	0.05	<10	<10	47	<10	37
E003780		<20	0.05	<10	<10	40	<10	30



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CERTIFICATE OF ANALYSIS	VA09111205
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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003781		0.44	<0.005	0.3	2.34	12	<10	230	0.5	<2	0.12	<0.5	13	35	20	3.70
E003782		0.34	<0.005	0.4	1.49	9	<10	170	<0.5	<2	0.15	<0.5	8	24	13	2.63
E003783		0.34	<0.005	0.4	1.57	11	<10	170	<0.5	<2	0.16	<0.5	6	25	16	2.69
E003784		0.36	<0.005	0.3	1.44	14	<10	290	<0.5	<2	0.20	<0.5	6	28	23	2.56
E003785		0.30	<0.005	0.3	1.58	11	<10	250	<0.5	<2	0.23	<0.5	10	27	17	2.93
E003786		0.32	<0.005	0.2	1.64	14	<10	190	<0.5	<2	0.16	<0.5	8	28	14	2.99
E003787		0.34	<0.005	<0.2	1.71	7	<10	170	<0.5	<2	0.16	<0.5	7	26	14	3.27
E003788		0.40	<0.005	0.2	1.27	4	<10	100	<0.5	<2	0.15	<0.5	8	19	13	2.50
E003789		0.34	<0.005	0.2	1.63	8	<10	190	<0.5	<2	0.18	<0.5	9	26	13	2.87
E003790		Not Recvd														
E003791		0.36	<0.005	0.2	2.17	8	<10	150	<0.5	<2	0.27	<0.5	9	31	19	3.19
E003792		0.34	<0.005	0.2	2.05	7	<10	140	<0.5	<2	0.30	<0.5	12	41	18	3.52
E003793		0.42	<0.005	<0.2	2.59	12	<10	160	0.5	<2	0.28	<0.5	12	45	20	3.89
E003794		0.32	<0.005	<0.2	2.14	7	<10	170	<0.5	<2	0.26	<0.5	15	64	27	3.32
E003795		0.40	<0.005	<0.2	1.45	5	<10	360	<0.5	<2	0.29	<0.5	12	30	17	2.46
E003796		0.38	<0.005	<0.2	1.58	7	<10	190	<0.5	<2	0.49	<0.5	10	47	29	2.92
E003797		0.36	<0.005	<0.2	1.35	6	<10	100	<0.5	<2	0.19	<0.5	6	25	12	2.41
E003798		0.30	0.006	0.2	1.52	5	<10	220	0.6	<2	0.43	<0.5	20	29	27	2.55
E003799		0.28	<0.005	0.2	1.86	4	<10	180	0.9	<2	0.31	<0.5	14	23	18	2.67
E003800		0.32	<0.005	<0.2	1.77	5	<10	180	0.8	<2	0.35	<0.5	10	25	17	2.82
E003801		0.36	<0.005	<0.2	2.14	7	<10	110	<0.5	<2	0.17	<0.5	17	209	34	3.34
E003802		0.34	<0.005	<0.2	1.82	8	<10	140	0.5	<2	0.11	<0.5	6	28	18	3.02
E003803		0.42	<0.005	<0.2	1.61	6	<10	130	<0.5	<2	0.13	<0.5	5	23	10	2.57
E003804		0.44	0.009	<0.2	1.55	3	<10	300	0.6	<2	0.38	<0.5	8	29	19	2.33
E003805		0.48	<0.005	<0.2	1.69	5	<10	300	0.6	<2	0.41	<0.5	9	33	22	2.58
E003806		0.48	0.006	<0.2	1.98	8	<10	230	0.5	<2	0.34	<0.5	11	33	17	2.82
E003807		0.58	<0.005	<0.2	1.87	6	<10	190	0.5	<2	0.32	<0.5	8	31	20	2.53
E003808		0.38	<0.005	<0.2	1.35	8	<10	100	<0.5	<2	0.19	<0.5	4	24	10	2.14
E003809		0.40	<0.005	<0.2	1.88	10	<10	170	<0.5	<2	0.15	<0.5	7	31	19	2.89
E003810		0.06	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.01
E003811		0.28	<0.005	<0.2	1.21	6	<10	90	<0.5	<2	0.11	<0.5	3	30	15	2.18
E003812		0.40	<0.005	<0.2	1.66	8	<10	110	<0.5	<2	0.16	<0.5	11	39	40	3.31
E003813		0.34	<0.005	<0.2	1.34	5	<10	170	<0.5	<2	0.12	<0.5	4	21	14	2.43
E003814		0.42	<0.005	<0.2	3.20	9	<10	170	0.5	<2	0.26	<0.5	17	207	12	4.77
E003815		0.34	<0.005	<0.2	2.21	12	<10	160	<0.5	<2	0.13	<0.5	7	37	16	3.54
E003816		0.42	<0.005	<0.2	1.56	9	<10	130	<0.5	<2	0.12	<0.5	4	28	11	3.20
E003817		0.40	<0.005	<0.2	1.75	13	<10	160	<0.5	<2	0.19	<0.5	8	30	15	3.04
E003818		0.44	<0.005	<0.2	1.81	6	<10	210	<0.5	<2	0.16	<0.5	10	35	36	3.74
E003819		0.34	<0.005	<0.2	1.18	7	<10	120	<0.5	<2	0.09	<0.5	5	23	17	2.40
E003820		0.40	<0.005	<0.2	1.24	7	<10	120	<0.5	<2	0.09	<0.5	5	23	18	2.43





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## CERTIFICATE OF ANALYSIS VA09111205

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003781		10	<1	0.04	10	0.41	496	1	0.01	21	350	11	<0.01	2	3	14
E003782		10	<1	0.04	10	0.34	401	1	0.01	14	250	9	<0.01	<2	2	16
E003783		10	<1	0.05	20	0.34	280	1	0.01	15	300	13	<0.01	<2	3	16
E003784		10	<1	0.06	20	0.38	278	1	0.01	20	220	12	<0.01	<2	3	19
E003785		10	<1	0.07	10	0.35	1090	1	0.02	19	420	9	0.01	2	2	21
E003786		10	<1	0.08	20	0.39	382	1	0.01	18	400	12	<0.01	2	2	17
E003787		10	<1	0.06	20	0.34	545	1	0.01	14	520	17	<0.01	<2	2	15
E003788		10	<1	0.05	<10	0.34	359	1	0.02	10	180	5	<0.01	<2	2	14
E003789		10	<1	0.08	10	0.42	377	1	0.01	15	300	7	<0.01	<2	2	17
E003790																
E003791		10	<1	0.06	<10	0.57	356	1	0.01	17	250	6	<0.01	<2	3	20
E003792		10	<1	0.10	<10	0.53	374	1	0.02	24	620	7	<0.01	<2	3	22
E003793		10	<1	0.21	10	0.62	360	1	0.01	27	520	8	<0.01	<2	3	20
E003794		10	<1	0.06	10	0.81	257	1	0.01	56	480	4	<0.01	<2	3	19
E003795		<10	<1	0.08	10	0.38	746	<1	0.02	24	230	5	<0.01	<2	3	26
E003796		10	<1	0.24	<10	0.64	741	<1	0.02	31	320	4	<0.01	<2	3	33
E003797		10	<1	0.07	10	0.39	190	1	0.01	15	220	10	<0.01	<2	2	15
E003798		10	<1	0.12	20	0.36	1885	1	0.02	22	380	15	<0.01	<2	3	33
E003799		10	<1	0.10	50	0.32	1390	1	0.02	15	570	28	0.01	<2	4	28
E003800		10	<1	0.09	40	0.39	869	1	0.01	16	500	29	<0.01	<2	4	27
E003801		10	<1	0.05	10	1.11	286	1	0.01	68	270	5	0.01	<2	3	12
E003802		10	<1	0.06	10	0.32	326	1	0.01	14	510	21	0.02	<2	2	11
E003803		10	<1	0.04	10	0.34	148	<1	0.01	11	310	13	0.01	<2	3	13
E003804		<10	<1	0.05	30	0.44	327	<1	0.02	16	510	13	0.01	<2	5	26
E003805		10	<1	0.05	20	0.50	321	<1	0.02	19	510	9	0.01	<2	6	29
E003806		10	<1	0.05	10	0.48	531	<1	0.02	18	570	11	0.01	<2	4	25
E003807		<10	<1	0.05	10	0.50	255	<1	0.01	18	510	9	0.01	<2	5	23
E003808		10	<1	0.06	10	0.38	145	1	0.01	11	330	10	0.01	<2	2	16
E003809		10	<1	0.06	20	0.40	301	1	0.01	16	420	11	0.02	<2	3	15
E003810		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	<0.01	<2	<1	1
E003811		10	<1	0.03	10	0.26	98	1	0.01	11	490	7	0.01	<2	1	12
E003812		10	<1	0.18	10	0.81	292	1	0.01	21	430	4	0.01	<2	3	12
E003813		<10	<1	0.03	10	0.18	129	1	0.01	9	530	12	0.02	<2	1	15
E003814		10	<1	0.05	10	1.38	405	<1	0.01	81	250	9	<0.01	<2	9	34
E003815		10	<1	0.04	10	0.42	241	1	0.01	16	400	11	0.01	<2	4	14
E003816		10	<1	0.03	10	0.28	140	1	0.01	8	290	13	0.01	<2	2	13
E003817		10	<1	0.06	10	0.41	238	1	0.01	15	630	9	0.01	<2	3	15
E003818		10	<1	0.49	20	0.71	382	1	0.01	28	900	4	0.02	<2	3	14
E003819		<10	<1	0.10	10	0.29	195	1	0.01	12	440	7	0.01	<2	1	10
E003820		<10	<1	0.10	10	0.29	201	1	0.01	13	470	8	0.01	<2	1	10



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<b>CERTIFICATE OF ANALYSIS</b>	<b>VA09111205</b>
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Th	Ti	Ti	U	V	W	
	Units	ppm	%	ppm	ppm	ppm	ppm	
LOR		20	0.01	10	10	1	10	
Zn							2	
E003781		<20	0.09	<10	<10	87	<10	55
E003782		<20	0.08	<10	<10	68	<10	38
E003783		<20	0.08	<10	<10	68	<10	40
E003784		<20	0.07	<10	<10	63	<10	43
E003785		<20	0.08	<10	<10	71	<10	48
E003786		<20	0.08	<10	<10	70	<10	46
E003787		<20	0.08	<10	<10	77	<10	75
E003788		<20	0.08	<10	<10	64	<10	50
E003789		<20	0.09	<10	<10	73	<10	60
E003790								
E003791		<20	0.10	<10	<10	83	<10	70
E003792		<20	0.10	<10	<10	74	<10	67
E003793		<20	0.11	<10	<10	88	<10	94
E003794		<20	0.09	<10	<10	76	<10	71
E003795		<20	0.08	<10	<10	56	<10	41
E003796		<20	0.10	<10	<10	63	<10	50
E003797		<20	0.09	<10	<10	63	<10	38
E003798		<20	0.08	<10	<10	54	<10	43
E003799		<20	0.05	<10	<10	51	<10	38
E003800		<20	0.07	<10	<10	56	<10	42
E003801		<20	0.12	<10	<10	77	<10	47
E003802		<20	0.03	<10	<10	54	<10	40
E003803		<20	0.07	<10	<10	65	<10	36
E003804		<20	0.09	<10	<10	52	<10	46
E003805		<20	0.09	<10	<10	56	<10	50
E003806		<20	0.08	<10	<10	62	<10	54
E003807		<20	0.09	<10	<10	54	<10	50
E003808		<20	0.09	<10	<10	60	<10	45
E003809		<20	0.07	<10	<10	68	<10	52
E003810		<20	<0.01	<10	<10	<1	<10	3
E003811		<20	0.06	<10	<10	61	<10	25
E003812		<20	0.12	<10	<10	72	<10	50
E003813		<20	0.04	<10	<10	58	<10	26
E003814		<20	0.13	<10	<10	93	<10	95
E003815		<20	0.10	<10	<10	81	<10	44
E003816		<20	0.08	<10	<10	86	<10	34
E003817		<20	0.07	<10	<10	64	<10	46
E003818		<20	0.15	<10	<10	70	<10	88
E003819		<20	0.07	<10	<10	50	<10	42
E003820		<20	0.06	<10	<10	50	<10	43



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## CERTIFICATE OF ANALYSIS VA09111205

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003821		0.42	<0.005	<0.2	1.82	8	<10	150	<0.5	<2	0.20	<0.5	10	33	13	4.28
E003822		0.26	<0.005	<0.2	1.26	8	<10	80	<0.5	<2	0.09	<0.5	3	25	11	2.97
E003823		0.28	<0.005	<0.2	0.89	2	<10	340	<0.5	<2	0.09	<0.5	1	15	19	1.26
E003824		0.30	<0.005	<0.2	0.71	2	<10	120	<0.5	<2	0.07	<0.5	1	11	9	1.06
E003825		0.34	<0.005	<0.2	1.21	7	<10	230	<0.5	<2	0.10	<0.5	3	20	13	2.26
E003826		0.50	<0.005	<0.2	1.54	8	<10	120	<0.5	<2	0.14	<0.5	7	25	11	3.16
E003827		0.30	<0.005	<0.2	2.59	12	<10	190	0.5	<2	0.12	<0.5	12	37	16	3.36
E003828		0.32	<0.005	<0.2	3.24	14	<10	160	0.5	<2	0.11	<0.5	9	41	18	3.43
E003829		0.24	<0.005	<0.2	1.03	4	<10	170	<0.5	<2	0.09	<0.5	2	17	20	1.63
E003830		<0.02	<0.005	<0.2	1.02	3	<10	170	<0.5	<2	0.08	<0.5	2	17	20	1.59
E003831		0.42	<0.005	<0.2	1.81	9	<10	190	<0.5	<2	0.15	<0.5	7	26	11	2.98
E003832		0.38	<0.005	<0.2	2.20	9	<10	190	<0.5	<2	0.12	<0.5	8	28	13	2.92
E003833		0.38	<0.005	<0.2	1.67	12	<10	130	<0.5	<2	0.13	<0.5	6	28	12	3.33
E003834		0.38	<0.005	<0.2	1.88	10	<10	210	<0.5	<2	0.16	<0.5	6	28	10	3.20
E003835		0.44	<0.005	<0.2	1.22	4	<10	190	<0.5	<2	0.09	<0.5	4	13	6	2.24
E003836		0.40	<0.005	<0.2	2.64	13	<10	280	0.6	<2	0.15	<0.5	14	44	26	3.97
E003837		0.36	<0.005	<0.2	2.40	12	<10	180	<0.5	<2	0.15	<0.5	9	36	15	3.67
E003838		0.36	<0.005	<0.2	1.66	8	<10	200	<0.5	<2	0.14	<0.5	6	27	13	2.57
E003839		0.32	<0.005	<0.2	1.81	12	<10	110	<0.5	<2	0.12	<0.5	5	27	10	3.83
E003840		0.36	<0.005	<0.2	1.77	11	<10	110	<0.5	<2	0.12	<0.5	5	27	10	3.80
E003841		0.42	<0.005	<0.2	0.68	2	<10	50	<0.5	<2	0.05	<0.5	1	8	4	1.01
E003842		0.36	<0.005	<0.2	1.75	8	<10	160	<0.5	<2	0.14	<0.5	6	29	14	2.87
E003843		0.38	<0.005	<0.2	1.93	13	<10	140	<0.5	<2	0.10	<0.5	5	36	14	3.87
E003844		0.40	<0.005	<0.2	1.10	5	<10	100	<0.5	<2	0.10	<0.5	3	16	9	2.16
E003845		0.52	<0.005	<0.2	1.27	5	<10	240	<0.5	<2	0.17	<0.5	5	16	8	2.18
E003846		0.44	<0.005	<0.2	1.54	7	<10	190	<0.5	<2	0.19	<0.5	5	22	12	2.24
E003847		0.42	<0.005	<0.2	1.49	5	<10	160	<0.5	<2	0.27	<0.5	6	25	18	2.24
E003848		0.42	<0.005	<0.2	0.48	<2	<10	60	<0.5	<2	0.05	<0.5	1	5	4	0.74
E003849		0.44	<0.005	<0.2	1.08	4	<10	150	<0.5	<2	0.14	<0.5	4	15	8	1.66
E003850		0.06	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	<0.01	<0.5	<1	<1	<1	0.01
E003851		0.42	<0.005	<0.2	1.31	4	<10	120	<0.5	<2	0.12	<0.5	4	18	8	1.86
E003852		0.42	<0.005	<0.2	1.36	4	<10	140	<0.5	<2	0.16	<0.5	4	22	10	1.83
E003853		0.40	<0.005	<0.2	1.57	5	<10	230	<0.5	<2	0.33	<0.5	5	27	18	2.27
E003854		0.38	<0.005	<0.2	1.05	3	<10	100	<0.5	<2	0.15	<0.5	3	17	11	1.51
E003855		0.38	<0.005	<0.2	1.42	6	<10	170	<0.5	<2	0.26	<0.5	6	25	15	2.03
E003856		0.48	<0.005	<0.2	2.54	6	<10	250	0.6	<2	0.20	<0.5	12	29	15	4.11
E003857		0.44	<0.005	<0.2	1.85	8	<10	170	<0.5	<2	0.21	<0.5	6	29	16	2.62
E003858		0.36	<0.005	<0.2	1.84	8	<10	230	<0.5	<2	0.23	<0.5	7	34	21	2.60
E003859		0.42	0.005	<0.2	1.86	7	<10	140	<0.5	<2	0.13	<0.5	6	25	14	2.49
E003860		0.40	<0.005	<0.2	1.91	7	<10	160	<0.5	<2	0.13	<0.5	6	25	15	2.57



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## CERTIFICATE OF ANALYSIS VA09111205

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003821		10	<1	0.22	10	0.68	549	1	0.01	21	1060	6	0.01	<2	3	11
E003822		10	<1	0.05	10	0.25	162	1	0.01	9	290	10	0.01	<2	2	11
E003823		<10	<1	0.03	20	0.04	39	<1	0.01	5	970	4	0.03	<2	<1	13
E003824		10	<1	0.04	10	0.08	51	<1	0.01	3	250	7	0.01	<2	1	10
E003825		10	<1	0.03	20	0.22	119	1	0.01	8	500	9	0.01	<2	1	11
E003826		10	<1	0.14	20	0.56	339	1	0.01	12	690	6	<0.01	<2	3	16
E003827		10	<1	0.04	10	0.49	336	1	0.01	22	280	8	0.01	<2	4	15
E003828		10	<1	0.06	10	0.48	240	1	0.01	20	340	9	0.01	<2	4	12
E003829		10	<1	0.05	20	0.14	104	1	0.02	7	550	5	0.02	<2	1	13
E003830		<10	<1	0.05	20	0.14	105	1	0.02	7	560	5	0.02	<2	1	12
E003831		10	<1	0.08	10	0.44	250	<1	0.01	16	260	7	0.01	<2	3	14
E003832		10	<1	0.07	10	0.46	216	<1	0.01	18	240	7	<0.01	<2	3	14
E003833		10	<1	0.04	10	0.41	228	1	0.01	14	370	8	0.01	<2	3	13
E003834		10	<1	0.04	10	0.35	222	1	0.01	13	350	11	<0.01	<2	3	17
E003835		<10	<1	0.14	10	0.25	177	<1	0.01	7	180	9	<0.01	<2	2	9
E003836		10	<1	0.04	10	0.61	439	1	0.02	27	320	9	0.01	<2	5	18
E003837		10	<1	0.04	10	0.49	224	1	0.01	19	320	11	0.01	<2	4	14
E003838		10	<1	0.04	10	0.34	189	1	0.01	13	220	10	<0.01	<2	3	14
E003839		10	<1	0.05	10	0.30	232	1	0.01	11	380	11	<0.01	<2	3	11
E003840		10	<1	0.04	10	0.29	228	1	0.01	10	380	11	<0.01	<2	3	11
E003841		<10	<1	0.05	<10	0.07	63	<1	0.01	3	160	5	<0.01	<2	1	7
E003842		10	<1	0.03	10	0.36	187	<1	0.01	15	190	8	0.01	<2	3	15
E003843		10	<1	0.03	10	0.37	183	2	0.01	12	340	10	0.01	<2	3	11
E003844		10	<1	0.04	<10	0.17	150	<1	0.01	8	260	10	0.01	<2	2	10
E003845		<10	<1	0.04	10	0.29	157	<1	0.01	9	170	9	<0.01	<2	3	14
E003846		10	<1	0.03	10	0.38	163	<1	0.01	12	240	8	<0.01	<2	3	16
E003847		<10	<1	0.04	20	0.43	168	<1	0.02	15	460	7	<0.01	<2	4	21
E003848		<10	<1	0.03	<10	0.03	33	<1	0.01	2	110	3	<0.01	<2	1	7
E003849		<10	<1	0.06	20	0.21	134	<1	0.01	8	190	9	0.01	<2	2	14
E003850		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	<0.01	<2	<1	<1
E003851		<10	<1	0.05	10	0.29	138	<1	0.01	9	80	8	<0.01	<2	2	12
E003852		<10	<1	0.03	10	0.32	125	<1	0.01	10	190	7	<0.01	<2	2	14
E003853		<10	<1	0.04	10	0.39	150	<1	0.02	13	370	8	0.01	<2	4	27
E003854		<10	<1	0.03	10	0.16	85	<1	0.01	7	220	7	0.01	<2	2	15
E003855		<10	<1	0.04	20	0.36	184	<1	0.02	12	350	6	0.01	<2	3	22
E003856		10	<1	0.32	<10	1.21	310	<1	0.01	14	230	6	<0.01	<2	3	24
E003857		10	<1	0.03	10	0.42	163	<1	0.01	15	150	6	<0.01	<2	3	22
E003858		10	<1	0.03	10	0.44	192	<1	0.01	18	210	7	<0.01	<2	4	22
E003859		10	<1	0.04	10	0.30	158	1	0.01	16	280	8	0.01	<2	2	13
E003860		10	<1	0.05	10	0.31	171	<1	0.01	17	300	8	0.01	<2	2	13



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Ti	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR	20	0.01	10	10	1	10	2	
E003821	<20	0.14	<10	<10	74	<10	78	
E003822	<20	0.12	<10	<10	86	<10	37	
E003823	<20	0.01	<10	<10	21	<10	11	
E003824	<20	0.06	<10	<10	34	<10	16	
E003825	<20	0.07	<10	<10	63	<10	29	
E003826	<20	0.15	<10	<10	75	<10	65	
E003827	<20	0.09	<10	<10	70	<10	51	
E003828	<20	0.10	<10	<10	71	<10	46	
E003829	<20	0.04	<10	<10	35	<10	24	
E003830	<20	0.04	<10	<10	34	<10	24	
E003831	<20	0.08	<10	<10	56	<10	51	
E003832	<20	0.06	<10	<10	57	<10	52	
E003833	<20	0.08	<10	<10	74	<10	49	
E003834	<20	0.06	<10	<10	67	<10	49	
E003835	<20	0.04	<10	<10	34	<10	51	
E003836	<20	0.10	<10	<10	80	<10	80	
E003837	<20	0.08	<10	<10	68	<10	44	
E003838	<20	0.06	<10	<10	60	<10	37	
E003839	<20	0.06	<10	<10	68	<10	40	
E003840	<20	0.07	<10	<10	71	<10	39	
E003841	<20	0.03	<10	<10	23	<10	21	
E003842	<20	0.09	<10	<10	71	<10	37	
E003843	<20	0.09	<10	<10	86	<10	42	
E003844	<20	0.05	<10	<10	52	<10	36	
E003845	<20	0.05	<10	<10	37	<10	35	
E003846	<20	0.06	<10	<10	49	<10	38	
E003847	<20	0.09	<10	<10	48	<10	40	
E003848	<20	0.02	<10	<10	16	<10	12	
E003849	<20	0.04	<10	<10	35	<10	30	
E003850	<20	<0.01	<10	<10	<1	<10	2	
E003851	<20	0.06	<10	<10	40	<10	31	
E003852	<20	0.06	<10	<10	41	<10	32	
E003853	<20	0.08	<10	<10	50	<10	39	
E003854	<20	0.07	<10	<10	37	<10	22	
E003855	<20	0.09	<10	<10	50	<10	38	
E003856	<20	0.17	<10	<10	80	<10	59	
E003857	<20	0.09	<10	<10	66	<10	38	
E003858	<20	0.08	<10	<10	63	<10	43	
E003859	<20	0.08	<10	<10	58	<10	36	
E003860	<20	0.08	<10	<10	57	<10	37	



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Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003861		0.40	<0.005	<0.2	1.55	7	<10	130	<0.5	<2	0.14	<0.5	4	25	10	2.52
E003862		0.30	<0.005	<0.2	2.01	10	<10	220	<0.5	<2	0.14	<0.5	7	32	13	3.36
E003863		0.40	<0.005	<0.2	0.55	<2	<10	40	<0.5	<2	0.05	<0.5	1	5	3	0.61
E003864		0.32	<0.005	<0.2	1.90	9	<10	170	<0.5	<2	0.10	<0.5	7	28	13	3.06
E003865		0.38	0.005	<0.2	1.65	6	<10	160	<0.5	<2	0.22	<0.5	6	26	13	2.35
E003866		0.40	<0.005	<0.2	2.48	12	<10	180	<0.5	<2	0.13	<0.5	8	35	15	3.64
E003867		0.40	<0.005	<0.2	1.42	9	<10	90	<0.5	<2	0.06	<0.5	5	18	8	2.62
E003868		0.44	<0.005	<0.2	1.46	11	<10	110	<0.5	<2	0.10	<0.5	5	24	9	2.87
E003869		0.36	<0.005	<0.2	2.19	8	<10	180	<0.5	<2	0.10	<0.5	9	23	11	2.57
E003870		<0.02	<0.005	<0.2	2.26	7	<10	180	<0.5	<2	0.10	<0.5	9	24	11	2.59
E003871		0.38	<0.005	<0.2	2.74	16	<10	130	<0.5	<2	0.13	<0.5	8	33	14	3.23
E003872		0.46	<0.005	<0.2	1.25	8	<10	70	<0.5	<2	0.08	<0.5	3	13	5	2.40
E003873		0.36	<0.005	<0.2	2.01	10	<10	260	<0.5	<2	0.17	<0.5	7	32	11	3.12
E003874		0.36	<0.005	<0.2	2.42	10	<10	250	0.5	<2	0.12	<0.5	11	38	14	3.33
E003875		0.34	<0.005	<0.2	2.05	7	<10	250	<0.5	<2	0.17	<0.5	13	33	13	3.09
E003876		0.30	<0.005	<0.2	1.76	8	<10	320	<0.5	<2	0.17	<0.5	9	28	10	2.68
E003877		0.36	<0.005	<0.2	1.43	3	<10	190	<0.5	<2	0.22	<0.5	9	56	9	1.97
E003878		0.28	<0.005	<0.2	1.57	6	<10	200	<0.5	<2	0.28	<0.5	8	33	11	2.68
E003879		0.36	<0.005	<0.2	2.52	10	<10	190	0.9	<2	0.20	<0.5	11	33	14	4.07
E003880		0.36	<0.005	<0.2	2.63	9	<10	190	0.9	<2	0.21	<0.5	12	35	14	4.25
E003881		0.30	<0.005	<0.2	1.64	10	<10	160	<0.5	<2	0.21	<0.5	6	27	12	2.81
E003882		0.28	<0.005	0.2	1.71	8	<10	560	<0.5	<2	0.36	<0.5	7	29	28	2.37
E003883		0.38	<0.005	<0.2	1.92	15	<10	210	<0.5	<2	0.16	<0.5	6	31	10	2.83
E003884		0.32	<0.005	0.3	1.84	12	<10	350	<0.5	<2	0.12	0.5	6	33	16	3.65
E003885		0.30	<0.005	0.3	2.87	11	<10	300	0.5	<2	0.12	<0.5	12	40	19	3.81
E003886		0.32	<0.005	0.7	1.54	6	<10	310	<0.5	<2	0.17	<0.5	7	25	13	2.78
E003887		0.34	<0.005	0.5	2.01	8	<10	260	<0.5	<2	0.17	<0.5	8	34	16	3.00
E003888		0.32	<0.005	0.2	2.71	12	<10	200	0.5	<2	0.15	<0.5	12	41	23	3.38
E003889		0.42	<0.005	0.5	1.81	8	<10	290	0.5	<2	0.27	<0.5	8	37	26	2.84
E003890		0.06	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.01
E003891		0.36	<0.005	0.5	1.57	6	<10	270	<0.5	<2	0.16	0.5	14	27	16	2.94
E003892		0.28	<0.005	0.2	2.11	9	<10	170	<0.5	<2	0.18	<0.5	7	34	12	3.31
E003893		0.28	<0.005	0.9	0.95	6	<10	190	<0.5	<2	0.14	<0.5	4	18	9	2.02
E003894		0.32	<0.005	0.3	2.62	12	<10	530	0.5	<2	0.14	0.5	11	41	16	3.23
E003895		0.28	<0.005	0.9	2.02	10	<10	250	<0.5	<2	0.15	0.5	10	33	14	3.14
E003896		0.30	<0.005	0.2	1.74	8	<10	390	<0.5	<2	0.23	0.6	11	29	12	2.80
E003897		0.28	0.006	0.8	1.76	8	<10	220	<0.5	<2	0.13	0.6	10	30	13	2.95
E003898		0.32	<0.005	0.5	1.49	8	<10	400	<0.5	<2	0.22	0.5	9	25	11	2.53
E003899		0.34	<0.005	0.5	1.79	13	<10	190	<0.5	<2	0.15	<0.5	8	34	13	3.44
E003900		0.34	<0.005	0.6	1.72	11	<10	190	<0.5	<2	0.15	<0.5	8	33	12	3.38



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## CERTIFICATE OF ANALYSIS VA09111205

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	
E003861	10	<1	0.02	10	0.34	158	1	0.01	12	150	7	<0.01	<2	2	15	
E003862	10	<1	0.04	10	0.40	283	1	0.01	17	310	10	<0.01	<2	3	15	
E003863	<10	<1	0.04	<10	0.03	23	<1	0.01	2	170	2	<0.01	<2	<1	7	
E003864	10	<1	0.02	10	0.29	254	1	0.01	14	240	9	<0.01	<2	2	13	
E003865	10	<1	0.02	10	0.32	184	<1	0.01	14	130	8	<0.01	<2	3	22	
E003866	10	<1	0.03	10	0.47	209	<1	0.01	19	160	8	<0.01	<2	4	13	
E003867	<10	<1	0.05	10	0.22	156	<1	0.01	9	130	16	<0.01	<2	3	7	
E003868	10	<1	0.04	20	0.30	177	1	0.01	12	350	9	<0.01	<2	2	11	
E003869	10	<1	0.05	10	0.24	228	<1	0.01	21	570	9	<0.01	<2	3	10	
E003870	10	<1	0.05	10	0.25	230	<1	0.01	21	580	9	<0.01	<2	3	11	
E003871	<10	<1	0.05	10	0.38	173	<1	0.01	18	380	9	<0.01	<2	4	11	
E003872	<10	1	0.06	10	0.15	104	1	0.01	4	350	10	<0.01	<2	2	7	
E003873	10	<1	0.04	10	0.41	271	1	0.02	16	250	9	<0.01	2	3	17	
E003874	10	1	0.04	10	0.45	437	1	0.02	19	250	10	<0.01	<2	4	13	
E003875	10	1	0.03	10	0.41	799	1	0.02	18	240	11	<0.01	2	3	17	
E003876	<10	1	0.07	10	0.40	945	1	0.02	15	260	9	<0.01	<2	3	15	
E003877	<10	1	0.05	<10	0.51	853	<1	0.02	25	490	6	<0.01	<2	3	13	
E003878	10	<1	0.08	10	0.43	426	1	0.02	17	280	8	<0.01	<2	3	20	
E003879	10	1	0.05	10	0.52	455	2	0.02	23	460	7	<0.01	3	3	17	
E003880	10	<1	0.06	10	0.54	472	1	0.02	25	490	9	<0.01	<2	3	19	
E003881	10	<1	0.03	10	0.31	192	1	0.02	14	270	9	<0.01	3	3	14	
E003882	10	1	0.04	10	0.56	221	1	0.03	24	580	7	<0.01	<2	3	22	
E003883	10	<1	0.02	10	0.37	138	<1	0.01	14	260	13	<0.01	3	3	14	
E003884	10	<1	0.02	10	0.36	175	1	0.02	17	240	10	<0.01	2	3	12	
E003885	10	<1	0.03	10	0.45	230	1	<0.01	27	300	10	<0.01	3	3	13	
E003886	10	1	0.02	10	0.30	353	1	0.01	12	320	7	<0.01	<2	2	14	
E003887	10	1	0.03	10	0.44	214	1	0.01	20	220	10	<0.01	<2	3	16	
E003888	10	1	0.03	10	0.49	244	1	0.02	25	390	9	<0.01	3	5	15	
E003889	<10	<1	0.03	10	0.50	220	1	0.02	21	550	9	<0.01	2	6	22	
E003890	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	<0.01	<2	<1	1	
E003891	<10	<1	0.04	10	0.33	375	1	0.02	24	290	9	<0.01	<2	2	14	
E003892	<10	<1	0.03	10	0.45	197	1	0.01	17	340	9	<0.01	<2	3	16	
E003893	10	<1	0.03	10	0.20	233	1	0.01	7	550	7	<0.01	3	2	11	
E003894	10	1	0.03	10	0.48	270	1	0.02	25	210	10	<0.01	2	4	13	
E003895	10	<1	0.02	10	0.41	286	1	0.01	18	380	9	<0.01	3	3	14	
E003896	<10	<1	0.04	10	0.41	984	1	0.02	17	610	7	<0.01	<2	2	21	
E003897	<10	<1	0.03	10	0.37	329	1	0.02	19	370	9	<0.01	3	2	12	
E003898	<10	<1	0.03	10	0.35	561	1	0.02	15	210	7	<0.01	2	2	21	
E003899	10	<1	0.03	10	0.41	326	2	0.01	19	340	10	<0.01	<2	2	14	
E003900	10	1	0.03	10	0.40	321	1	0.01	17	350	9	<0.01	2	2	14	



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Th	Ti	Tl	U	V	W	
	Units	ppm	%	ppm	ppm	ppm	ppm	
LOR		20	0.01	10	10	1	10	
							Zn	
							ppm	
							2	
E003861		<20	0.07	<10	<10	61	<10	33
E003862		<20	0.08	<10	<10	78	<10	45
E003863		<20	0.01	<10	<10	13	<10	9
E003864		<20	0.07	<10	<10	72	<10	39
E003865		<20	0.07	<10	<10	62	<10	32
E003866		<20	0.09	<10	<10	77	<10	46
E003867		<20	0.03	<10	<10	42	<10	27
E003868		<20	0.05	<10	<10	58	<10	37
E003869		<20	0.07	<10	<10	49	<10	50
E003870		<20	0.07	<10	<10	51	<10	51
E003871		<20	0.06	<10	<10	54	<10	36
E003872		<20	0.04	<10	<10	44	<10	21
E003873		<20	0.09	<10	<10	76	<10	42
E003874		<20	0.09	<10	<10	77	<10	61
E003875		<20	0.08	<10	<10	73	<10	47
E003876		<20	0.06	<10	<10	64	<10	43
E003877		<20	0.07	<10	<10	45	<10	57
E003878		<20	0.08	<10	<10	66	<10	36
E003879		<20	0.19	<10	<10	95	<10	69
E003880		<20	0.21	<10	<10	99	<10	73
E003881		<20	0.08	<10	<10	71	<10	42
E003882		<20	0.07	<10	<10	60	<10	54
E003883		<20	0.09	<10	<10	80	<10	42
E003884		<20	0.10	<10	<10	98	<10	54
E003885		<20	0.07	<10	<10	77	<10	60
E003886		<20	0.07	<10	<10	73	<10	47
E003887		<20	0.08	<10	<10	72	<10	57
E003888		<20	0.09	<10	<10	72	<10	45
E003889		<20	0.06	<10	<10	61	<10	49
E003890		<20	<0.01	<10	<10	<1	<10	<2
E003891		<20	0.07	<10	<10	66	<10	99
E003892		<20	0.07	<10	<10	73	<10	46
E003893		<20	0.07	<10	<10	55	<10	30
E003894		<20	0.08	<10	<10	70	<10	42
E003895		<20	0.07	<10	<10	72	<10	53
E003896		<20	0.06	<10	<10	67	<10	84
E003897		<20	0.06	<10	<10	70	<10	85
E003898		<20	0.06	<10	<10	63	<10	53
E003899		<20	0.09	<10	<10	80	<10	50
E003900		<20	0.09	<10	<10	79	<10	50





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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003901		0.32	<0.005	0.7	1.52	5	<10	170	<0.5	<2	0.17	<0.5	7	26	13	2.74
E003902		0.26	<0.005	1.7	1.28	9	<10	170	<0.5	<2	0.12	0.5	5	25	15	2.41
E003903		0.34	<0.005	1.3	2.25	11	<10	250	<0.5	<2	0.19	<0.5	11	37	16	3.56
E003904		0.34	<0.005	1.2	1.54	8	<10	180	<0.5	<2	0.16	<0.5	6	28	10	2.59
E003905		0.30	<0.005	0.5	1.80	8	<10	250	<0.5	<2	0.14	<0.5	8	30	12	2.91
E003906		0.30	<0.005	<0.2	1.79	7	<10	230	<0.5	<2	0.18	<0.5	8	30	16	2.52
E003907		0.30	<0.005	<0.2	1.90	11	<10	220	<0.5	<2	0.17	<0.5	8	31	12	2.94
E003908		0.28	0.005	<0.2	1.60	8	<10	220	<0.5	<2	0.13	<0.5	5	26	9	2.63
E003909		0.32	<0.005	0.5	1.19	5	<10	170	<0.5	<2	0.15	<0.5	4	21	9	1.99
E003910		<0.02	<0.005	0.5	1.18	7	<10	170	<0.5	<2	0.15	<0.5	4	21	8	1.97
E003911		0.40	<0.005	<0.2	2.76	10	<10	340	0.5	<2	0.12	<0.5	9	40	31	4.27
E003912		0.42	<0.005	<0.2	1.18	4	<10	210	<0.5	<2	0.07	<0.5	9	19	49	3.43
E003913		0.40	<0.005	0.3	1.10	6	<10	200	<0.5	<2	0.15	<0.5	4	19	24	2.45
E003914		0.28	0.005	0.2	2.52	12	<10	270	<0.5	<2	0.12	<0.5	10	40	25	3.67
E003915		0.36	<0.005	<0.2	1.36	8	<10	280	<0.5	<2	0.13	<0.5	4	23	28	2.36
E003916		0.38	<0.005	<0.2	2.02	8	<10	210	<0.5	<2	0.13	<0.5	7	31	19	3.04
E003917		0.36	<0.005	0.3	1.78	10	<10	220	<0.5	<2	0.15	0.5	7	27	13	2.83
E003918		0.34	<0.005	0.7	2.18	8	<10	150	<0.5	<2	0.11	<0.5	6	35	20	3.36
E003919		0.32	<0.005	0.6	1.99	8	<10	430	<0.5	<2	0.27	<0.5	12	34	14	3.06
E003920		0.36	<0.005	0.5	2.10	9	<10	460	<0.5	<2	0.26	<0.5	11	36	16	3.09
E003921		0.38	<0.005	<0.2	2.27	14	<10	220	<0.5	<2	0.18	<0.5	10	37	22	3.75
E003922		0.40	<0.005	<0.2	1.36	65	<10	210	<0.5	<2	0.14	<0.5	6	28	18	2.28
E003923		0.42	<0.005	<0.2	2.33	12	<10	180	<0.5	<2	0.15	<0.5	13	43	14	4.23
E003924		0.44	0.008	0.2	1.58	8	<10	370	0.5	<2	0.22	<0.5	8	30	19	2.60
E003925		0.38	<0.005	0.3	2.46	10	<10	300	0.5	<2	0.16	0.5	10	39	19	3.50
E003926		0.36	<0.005	<0.2	0.80	5	<10	150	<0.5	<2	0.08	<0.5	6	18	21	2.34
E003927		0.40	<0.005	0.3	3.00	8	<10	470	0.6	<2	0.17	<0.5	14	55	32	4.03
E003928		0.38	<0.005	<0.2	1.86	8	<10	280	<0.5	<2	0.27	<0.5	6	29	17	2.77
E003929		0.40	<0.005	0.2	2.56	11	<10	240	<0.5	<2	0.17	<0.5	10	41	22	3.76
E003930		0.06	<0.005	<0.2	<0.01	<2	<10	<10	<0.5	2	<0.01	<0.5	<1	<1	<1	<0.01
E003931		0.40	<0.005	<0.2	2.39	12	<10	210	<0.5	<2	0.18	<0.5	14	54	31	3.92
E003932		0.46	<0.005	<0.2	1.66	10	<10	200	<0.5	<2	0.19	<0.5	10	29	17	3.42
E003933		0.42	<0.005	0.3	3.40	4	<10	590	0.5	<2	0.75	<0.5	20	63	57	5.67
E003934		0.42	<0.005	0.2	1.68	8	<10	230	<0.5	<2	0.16	<0.5	8	33	16	2.91
E003935		0.40	<0.005	<0.2	1.42	7	<10	230	<0.5	<2	0.17	<0.5	5	26	13	2.49
E003936		0.42	<0.005	<0.2	1.77	10	<10	330	<0.5	<2	0.21	<0.5	10	35	34	2.96
E003937		0.34	0.006	0.6	2.63	12	<10	270	0.5	<2	0.22	<0.5	11	39	24	3.09
E003938		0.38	0.005	0.3	1.58	8	<10	270	<0.5	<2	0.21	<0.5	7	28	12	2.53
E003939		0.36	<0.005	0.2	1.66	7	<10	220	<0.5	<2	0.15	<0.5	7	30	16	2.89
E003940		0.40	<0.005	0.2	1.67	6	<10	220	<0.5	<2	0.16	<0.5	7	29	16	2.90



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## CERTIFICATE OF ANALYSIS VA09111205

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003901		<10	<1	0.02	10	0.29	278	1	0.02	12	230	9	<0.01	3	2	14
E003902		<10	<1	0.04	10	0.28	152	2	0.01	13	600	8	<0.01	2	2	14
E003903		<10	1	0.03	10	0.47	237	1	0.02	22	350	12	<0.01	3	3	16
E003904		<10	1	0.03	10	0.37	270	1	0.01	14	380	8	<0.01	<2	2	16
E003905		10	1	0.03	10	0.43	378	1	0.02	20	270	9	<0.01	2	3	13
E003906		<10	<1	0.02	10	0.44	165	1	0.02	19	190	8	<0.01	2	3	17
E003907		10	1	0.02	10	0.45	197	1	0.01	19	310	10	<0.01	<2	3	15
E003908		<10	<1	0.02	10	0.33	129	1	0.01	12	230	9	<0.01	<2	2	14
E003909		<10	<1	0.02	10	0.27	119	1	0.01	9	140	5	<0.01	<2	2	13
E003910		<10	<1	0.02	10	0.27	118	1	0.01	9	140	6	<0.01	2	2	13
E003911		10	1	0.16	20	0.64	297	3	0.02	20	570	12	0.09	2	3	20
E003912		<10	<1	0.28	30	0.40	413	3	0.02	27	560	17	0.20	<2	3	18
E003913		<10	<1	0.05	10	0.23	159	2	0.01	14	340	13	0.03	3	2	23
E003914		<10	1	0.03	10	0.46	274	1	0.02	28	430	9	<0.01	<2	3	14
E003915		10	<1	0.06	10	0.27	153	2	0.02	9	470	13	0.03	<2	2	17
E003916		<10	1	0.04	10	0.39	157	1	0.02	16	250	9	0.01	<2	3	13
E003917		10	1	0.03	10	0.32	288	1	0.02	13	270	9	<0.01	2	2	18
E003918		10	<1	0.07	10	0.40	199	2	0.01	20	280	10	0.01	<2	3	14
E003919		10	<1	0.05	10	0.39	1230	2	0.02	22	480	12	<0.01	2	3	22
E003920		10	<1	0.05	10	0.43	908	1	0.02	25	450	12	<0.01	<2	3	22
E003921		<10	<1	0.13	10	0.59	216	1	0.02	26	500	7	<0.01	<2	3	17
E003922		<10	<1	0.04	10	0.38	170	1	0.01	18	220	13	<0.01	2	3	13
E003923		10	<1	0.07	10	0.47	398	1	0.01	21	530	10	<0.01	2	3	15
E003924		<10	1	0.04	20	0.46	195	1	0.02	21	320	10	<0.01	3	5	19
E003925		10	<1	0.04	10	0.46	291	1	0.02	27	250	15	<0.01	2	3	15
E003926		<10	<1	0.05	10	0.18	211	2	0.01	23	250	13	<0.01	3	1	8
E003927		10	<1	0.17	10	1.01	351	1	0.02	48	300	9	<0.01	2	6	14
E003928		<10	<1	0.04	10	0.45	243	1	0.02	20	410	9	<0.01	<2	3	21
E003929		10	1	0.05	10	0.49	236	1	0.02	29	370	8	<0.01	2	4	17
E003930		<10	1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2	<1	1
E003931		10	<1	0.04	10	0.60	314	1	0.02	33	260	7	<0.01	3	6	14
E003932		<10	1	0.06	10	0.41	274	1	0.01	24	460	5	<0.01	2	5	18
E003933		10	1	1.10	30	1.76	716	2	0.02	51	2860	8	<0.01	<2	8	43
E003934		<10	1	0.04	10	0.39	312	1	0.01	22	250	7	<0.01	2	4	16
E003935		10	<1	0.04	10	0.33	232	1	0.02	12	290	8	<0.01	<2	3	16
E003936		<10	1	0.04	10	0.49	251	1	0.02	32	280	6	<0.01	2	4	19
E003937		<10	1	0.05	10	0.50	213	1	0.02	33	520	8	<0.01	<2	4	21
E003938		<10	<1	0.04	10	0.40	272	1	0.02	16	280	8	<0.01	<2	3	19
E003939		<10	<1	0.04	10	0.33	249	1	0.01	19	390	7	<0.01	2	3	15
E003940		<10	1	0.04	10	0.33	273	1	0.01	19	410	6	<0.01	2	3	16



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## CERTIFICATE OF ANALYSIS VA09111205

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
E003901		<20	0.07	<10	<10	72	<10	42
E003902		<20	0.06	<10	<10	57	<10	37
E003903		<20	0.08	<10	<10	74	<10	49
E003904		<20	0.06	<10	<10	62	<10	43
E003905		<20	0.08	<10	<10	71	<10	67
E003906		<20	0.06	<10	<10	56	<10	38
E003907		<20	0.06	<10	<10	65	<10	47
E003908		<20	0.07	<10	<10	67	<10	35
E003909		<20	0.07	<10	<10	60	<10	28
E003910		<20	0.07	<10	<10	60	<10	28
E003911		<20	0.11	<10	<10	81	<10	90
E003912		<20	0.05	<10	<10	34	<10	137
E003913		<20	0.05	<10	<10	54	<10	46
E003914		<20	0.07	<10	<10	70	<10	62
E003915		<20	0.06	<10	<10	63	<10	39
E003916		<20	0.08	<10	<10	66	<10	45
E003917		<20	0.07	<10	<10	72	<10	43
E003918		<20	0.08	<10	<10	82	<10	67
E003919		<20	0.08	<10	<10	75	<10	67
E003920		<20	0.07	<10	<10	75	<10	70
E003921		<20	0.10	<10	<10	67	<10	76
E003922		<20	0.06	<10	<10	57	<10	56
E003923		<20	0.10	<10	<10	86	<10	51
E003924		<20	0.06	<10	<10	52	<10	43
E003925		<20	0.09	<10	<10	80	<10	70
E003926		<20	0.02	<10	<10	37	<10	58
E003927		<20	0.13	<10	<10	94	<10	88
E003928		<20	0.04	<10	<10	56	<10	46
E003929		<20	0.09	<10	<10	73	<10	53
E003930		<20	<0.01	<10	<10	<1	<10	<2
E003931		<20	0.08	<10	<10	90	<10	58
E003932		<20	0.04	<10	<10	74	<10	57
E003933		<20	0.24	<10	<10	141	<10	136
E003934		<20	0.04	<10	<10	62	<10	48
E003935		<20	0.06	<10	<10	60	<10	42
E003936		<20	0.06	<10	<10	63	<10	70
E003937		<20	0.07	<10	<10	63	<10	42
E003938		<20	0.07	<10	<10	62	<10	38
E003939		<20	0.03	<10	<10	66	<10	58
E003940		<20	0.04	<10	<10	67	<10	59



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## CERTIFICATE OF ANALYSIS VA09111205

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003941		0.34	<0.005	<0.2	1.96	9	<10	240	<0.5	<2	0.13	<0.5	8	34	15	2.88
E003942		0.30	<0.005	0.6	1.82	17	<10	340	<0.5	<2	0.14	<0.5	12	32	15	2.81
E003943		0.36	<0.005	<0.2	1.83	7	<10	180	<0.5	<2	0.11	<0.5	8	35	20	3.77
E003944		0.38	0.005	<0.2	2.17	22	<10	350	<0.5	<2	0.22	<0.5	10	33	19	3.13
E003945		0.28	0.005	<0.2	2.39	11	<10	280	<0.5	<2	0.18	<0.5	13	45	22	4.02
E003946		0.34	<0.005	<0.2	2.39	9	<10	250	<0.5	<2	0.20	<0.5	13	46	39	4.20
E003947		0.38	<0.005	<0.2	1.96	12	<10	540	0.5	<2	0.30	<0.5	10	66	38	3.89
E003948		0.42	<0.005	<0.2	1.85	10	<10	280	<0.5	<2	0.22	<0.5	9	36	22	3.64
E003949		0.36	0.005	<0.2	2.73	14	<10	680	0.6	<2	0.28	0.6	14	48	43	4.16
E003950		<0.02	0.007	<0.2	2.59	12	<10	600	0.5	<2	0.24	<0.5	14	44	40	3.68
E003951		0.30	<0.005	<0.2	0.46	<2	<10	60	<0.5	<2	0.09	<0.5	3	8	11	1.01
E003952		0.30	<0.005	<0.2	0.44	<2	<10	40	<0.5	<2	0.07	<0.5	2	9	10	0.81
E003953		0.30	0.005	<0.2	2.15	5	<10	170	<0.5	<2	0.32	<0.5	12	31	32	3.35
E003954		0.32	<0.005	<0.2	1.92	6	<10	190	<0.5	<2	0.26	<0.5	11	27	18	3.12
E003955		0.36	0.005	<0.2	1.92	4	<10	110	<0.5	<2	0.26	<0.5	9	28	19	2.87
E003956		0.34	<0.005	<0.2	1.74	2	<10	140	<0.5	<2	0.31	<0.5	11	28	26	2.61
E003957		0.32	<0.005	<0.2	1.84	5	<10	140	<0.5	<2	0.30	<0.5	10	30	27	2.75
E003958		0.30	<0.005	<0.2	2.43	5	<10	200	0.5	<2	0.31	<0.5	14	36	28	3.29
E003959		0.32	<0.005	<0.2	1.66	4	<10	150	<0.5	<2	0.18	<0.5	8	25	21	2.78
E003960		0.32	0.006	<0.2	1.71	4	<10	150	<0.5	<2	0.18	<0.5	8	25	21	2.83
E003961		0.30	0.005	<0.2	2.79	7	<10	170	0.6	<2	0.24	<0.5	13	38	39	3.55
E003962		0.40	<0.005	<0.2	2.17	3	<10	200	<0.5	<2	0.29	<0.5	15	29	17	3.35
E003963		0.40	<0.005	0.5	2.49	9	<10	170	0.5	<2	0.28	1.1	14	36	31	3.45
E003964		0.40	<0.005	0.4	2.19	3	<10	200	0.5	<2	0.25	1.5	13	43	24	3.53
E003965		0.42	<0.005	<0.2	2.59	7	<10	280	0.6	<2	0.50	<0.5	12	44	24	3.41
E003966		0.36	<0.005	<0.2	2.12	2	<10	270	0.6	<2	0.86	<0.5	17	24	38	3.92
E003967		0.38	<0.005	<0.2	1.65	<2	<10	270	0.8	<2	1.29	<0.5	10	17	36	2.30
E003968		0.40	<0.005	<0.2	2.23	4	<10	130	<0.5	<2	0.32	<0.5	10	27	20	3.53
E003969		0.40	<0.005	<0.2	2.22	7	<10	160	<0.5	<2	0.18	<0.5	9	32	17	3.61
E003970		0.06	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	<0.01	<0.5	<1	<1	2	0.02
E003971		0.38	<0.005	<0.2	2.68	7	<10	130	<0.5	<2	0.16	<0.5	10	40	21	4.89
E003972		0.34	<0.005	<0.2	2.90	10	<10	210	0.5	<2	0.17	<0.5	12	39	18	4.04
E003973		0.36	<0.005	<0.2	2.80	8	<10	210	0.5	<2	0.14	<0.5	10	39	23	3.50
E003974		0.40	<0.005	<0.2	2.40	3	<10	130	<0.5	<2	0.27	<0.5	14	22	35	4.87
E003975		0.36	<0.005	<0.2	2.71	2	<10	210	0.6	<2	0.27	<0.5	13	39	12	4.34
E003976		0.44	<0.005	<0.2	2.73	7	<10	250	<0.5	<2	0.13	<0.5	11	35	21	4.26
E003977		0.34	<0.005	<0.2	2.39	5	<10	180	0.5	<2	0.16	<0.5	16	32	20	3.45
E003978		0.46	<0.005	<0.2	2.30	4	<10	170	0.5	<2	0.26	<0.5	13	31	18	3.41
E003979		0.34	0.006	<0.2	1.57	3	<10	100	<0.5	<2	0.16	<0.5	10	21	13	2.89
E003980		0.42	0.006	<0.2	1.54	3	<10	90	<0.5	<2	0.15	<0.5	9	19	13	2.84



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003941		<10	1	0.03	10	0.45	246	1	0.01	21	260	6	<0.01	<2	3	14
E003942		<10	<1	0.03	10	0.32	569	1	0.02	29	350	7	<0.01	5	3	14
E003943		10	<1	0.06	10	0.43	275	1	0.01	25	490	11	0.01	<2	3	11
E003944		10	<1	0.06	10	0.43	168	1	0.01	27	400	10	0.01	<2	4	23
E003945		10	<1	0.08	10	0.62	247	1	0.01	32	560	10	0.01	<2	3	16
E003946		10	<1	0.37	20	0.77	327	1	0.01	35	730	9	0.03	<2	3	19
E003947		10	<1	0.27	10	0.78	334	1	0.01	42	830	10	0.01	<2	6	19
E003948		10	<1	0.11	10	0.61	190	<1	0.01	22	630	9	0.01	<2	3	17
E003949		10	<1	0.04	10	0.53	339	1	0.01	45	400	12	0.01	<2	5	25
E003950		10	<1	0.04	10	0.48	296	1	0.01	42	360	11	<0.01	<2	5	24
E003951		<10	<1	0.02	<10	0.07	71	<1	0.02	5	240	4	0.02	<2	1	9
E003952		<10	<1	0.02	<10	0.06	45	<1	0.02	4	270	5	0.01	<2	<1	8
E003953		10	<1	0.04	10	0.60	264	<1	0.02	21	390	8	0.01	<2	4	26
E003954		10	<1	0.03	10	0.42	407	<1	0.02	15	370	10	0.01	<2	3	23
E003955		10	<1	0.06	10	0.50	205	<1	0.02	15	350	9	0.01	<2	3	19
E003956		10	<1	0.04	10	0.55	287	<1	0.02	19	370	7	0.02	<2	3	26
E003957		10	<1	0.04	10	0.53	227	<1	0.02	20	470	8	0.01	<2	3	22
E003958		10	<1	0.04	10	0.63	402	<1	0.02	26	570	9	0.02	<2	5	24
E003959		10	<1	0.02	10	0.34	153	<1	0.02	15	340	10	0.01	<2	3	15
E003960		10	<1	0.03	10	0.36	155	<1	0.02	16	350	10	0.01	<2	3	15
E003961		10	<1	0.04	10	0.57	308	<1	0.02	27	490	10	0.02	<2	5	21
E003962		10	<1	0.09	10	0.49	503	<1	0.02	22	470	11	0.01	<2	3	17
E003963		10	<1	0.05	10	0.61	285	1	0.01	36	520	12	0.01	<2	3	21
E003964		10	<1	0.04	10	0.41	322	2	0.02	44	790	12	0.01	<2	3	18
E003965		10	<1	0.04	10	0.61	449	<1	0.02	30	240	14	0.01	<2	6	30
E003966		<10	<1	0.04	10	0.76	416	<1	0.02	24	770	17	0.01	<2	4	31
E003967		10	<1	0.07	30	0.36	674	<1	0.02	19	730	18	0.03	<2	3	44
E003968		10	<1	0.04	10	0.65	205	<1	0.01	15	200	9	0.01	<2	5	20
E003969		10	<1	0.04	10	0.46	224	1	0.01	17	260	9	0.01	<2	3	14
E003970		<10	<1	<0.01	<10	<0.01	<5	<1	0.04	<1	10	2	<0.01	<2	<1	<1
E003971		10	<1	0.05	10	0.80	289	1	0.01	20	360	10	0.01	<2	5	15
E003972		10	<1	0.03	10	0.51	250	1	0.02	23	320	12	0.01	<2	4	18
E003973		10	<1	0.04	10	0.49	261	1	0.02	22	230	12	0.01	<2	4	17
E003974		10	<1	0.07	<10	0.99	387	1	0.01	11	480	7	<0.01	<2	5	22
E003975		10	<1	0.46	10	1.19	395	<1	0.01	23	470	6	<0.01	<2	3	23
E003976		10	<1	0.04	10	0.54	271	1	0.01	20	390	11	0.01	<2	3	13
E003977		10	<1	0.03	10	0.53	796	1	0.02	20	380	10	0.01	<2	4	15
E003978		10	1	0.05	10	0.58	267	<1	0.01	21	510	8	<0.01	<2	3	22
E003979		10	<1	0.06	10	0.42	433	<1	0.02	14	470	9	0.01	<2	2	11
E003980		10	<1	0.07	<10	0.44	369	<1	0.02	13	450	7	<0.01	<2	2	11



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Finalized Date: 21-OCT-2009  
Account: EIA

Project: HAO09-01

## CERTIFICATE OF ANALYSIS VA09111205

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
E003941		<20	0.07	<10	<10	68	<10	61
E003942		<20	0.04	<10	<10	65	<10	65
E003943		<20	0.07	<10	<10	85	<10	65
E003944		<20	0.04	<10	<10	63	<10	44
E003945		<20	0.08	<10	<10	81	<10	61
E003946		<20	0.13	<10	<10	75	<10	71
E003947		<20	0.08	<10	<10	102	<10	123
E003948		<20	0.09	<10	<10	89	<10	61
E003949		<20	0.07	<10	<10	89	<10	78
E003950		<20	0.06	<10	<10	82	<10	72
E003951		<20	0.05	<10	<10	28	<10	15
E003952		<20	0.04	<10	<10	22	<10	12
E003953		<20	0.11	<10	<10	77	<10	47
E003954		<20	0.10	<10	<10	81	<10	37
E003955		<20	0.09	<10	<10	68	<10	40
E003956		<20	0.09	<10	<10	58	<10	45
E003957		<20	0.10	<10	<10	70	<10	43
E003958		<20	0.11	<10	<10	77	<10	53
E003959		<20	0.09	<10	<10	72	<10	32
E003960		<20	0.09	<10	<10	73	<10	34
E003961		<20	0.11	<10	<10	74	<10	56
E003962		<20	0.09	<10	<10	68	<10	70
E003963		<20	0.09	<10	<10	91	<10	112
E003964		<20	0.08	<10	<10	160	<10	246
E003965		<20	0.09	<10	<10	83	<10	53
E003966		<20	0.11	<10	<10	54	<10	66
E003967		<20	0.03	<10	<10	35	<10	35
E003968		<20	0.06	<10	<10	77	<10	49
E003969		<20	0.13	<10	<10	93	<10	45
E003970		<20	<0.01	<10	<10	<1	<10	3
E003971		<20	0.16	<10	<10	104	<10	61
E003972		<20	0.10	<10	<10	89	<10	47
E003973		<20	0.10	<10	<10	82	<10	45
E003974		<20	0.18	<10	<10	102	<10	65
E003975		<20	0.19	<10	<10	74	<10	78
E003976		<20	0.10	<10	<10	90	<10	48
E003977		<20	0.09	<10	<10	83	<10	65
E003978		<20	0.07	<10	<10	78	<10	63
E003979		<20	0.08	<10	<10	62	<10	66
E003980		<20	0.08	<10	<10	58	<10	57



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Finalized Date: 22-OCT-2009

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## CERTIFICATE VA09111206

Project: HAO09-01

P.O. No.: HAO09-01

This report is for 221 Soil samples submitted to our lab in Vancouver, BC, Canada on 6-OCT-2009.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL  
NEIL PERK

HENRY AWMACK

MURRAY JONES

## SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both
LOG-22d	Sample login - Rcd w/o BarCode dup
SPL-34	Pulp Splitting Charge
LOG-24	Pulp Login - Rcd w/o Barcode

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.

ATTN: NEIL PERK

700 - 700 PENDER ST.

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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## CERTIFICATE OF ANALYSIS VA09111206

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E003981		0.38	<0.005	0.3	2.46	12	<10	210	0.8	<2	0.23	<0.5	11	39	23	3.62
E003982		0.36	<0.005	<0.2	1.56	5	<10	300	<0.5	<2	0.47	0.5	12	27	24	2.63
E003983		0.34	<0.005	<0.2	1.61	4	<10	140	<0.5	<2	0.17	<0.5	12	26	12	2.64
E003984		0.36	<0.005	0.2	2.42	10	<10	170	<0.5	<2	0.17	<0.5	14	34	15	3.61
E003985		0.32	<0.005	0.2	1.76	11	<10	180	<0.5	<2	0.23	<0.5	12	29	13	3.08
E003986		0.40	<0.005	0.2	2.18	9	<10	180	<0.5	<2	0.26	<0.5	11	37	15	3.38
E003987		0.40	<0.005	0.3	2.34	10	<10	180	<0.5	<2	0.23	<0.5	11	36	16	3.50
E003988		0.34	<0.005	<0.2	1.53	7	<10	140	<0.5	<2	0.23	<0.5	8	28	18	2.64
E003989		0.38	<0.005	0.2	2.92	12	<10	210	0.5	<2	0.18	<0.5	12	45	24	3.79
E003990		<0.02	<0.005	<0.2	2.88	13	<10	210	0.5	<2	0.17	<0.5	12	44	23	3.71
E003991		0.42	<0.005	<0.2	2.33	9	<10	210	0.6	<2	0.37	<0.5	13	38	15	3.38
E003992		0.36	<0.005	<0.2	1.59	10	<10	230	<0.5	<2	0.35	<0.5	10	29	17	2.64
E003993		0.40	<0.005	<0.2	1.96	9	<10	170	<0.5	<2	0.40	<0.5	11	68	12	2.88
E003994		0.40	<0.005	0.2	1.69	4	<10	300	0.5	<2	0.37	<0.5	13	28	14	2.50
E003995		0.40	<0.005	0.2	1.59	8	<10	180	<0.5	<2	0.18	<0.5	5	22	12	2.36
E003996		0.40	<0.005	<0.2	1.36	7	<10	120	<0.5	<2	0.15	<0.5	5	28	8	2.15
E003997		0.44	<0.005	0.2	1.82	8	<10	190	0.5	<2	0.23	<0.5	6	27	18	2.35
E003998		0.40	<0.005	<0.2	1.76	6	<10	460	0.7	<2	0.35	<0.5	5	22	16	2.07
E003999		0.46	<0.005	<0.2	0.84	6	<10	120	<0.5	<2	0.11	<0.5	2	15	7	1.38
E004000		0.50	<0.005	<0.2	0.85	6	<10	130	<0.5	<2	0.11	<0.5	3	14	7	1.40
E004001		0.50	<0.005	<0.2	1.23	5	<10	230	<0.5	<2	0.20	<0.5	4	21	9	1.98
E004002		0.38	<0.005	0.3	1.99	12	<10	240	0.8	<2	0.14	<0.5	5	28	26	2.61
E004003		0.44	<0.005	<0.2	1.34	10	<10	160	<0.5	<2	0.13	<0.5	3	17	8	1.99
E004004		0.40	<0.005	<0.2	1.37	9	<10	630	0.7	<2	0.22	<0.5	3	19	18	1.75
E004005		0.46	<0.005	<0.2	1.31	9	<10	150	<0.5	<2	0.13	<0.5	4	18	10	1.85
E004006		0.50	<0.005	<0.2	1.01	5	<10	270	<0.5	<2	0.17	<0.5	3	13	7	1.33
E004007		0.38	<0.005	<0.2	2.50	14	<10	170	<0.5	<2	0.13	<0.5	8	34	17	3.55
E004008		0.38	<0.005	<0.2	1.89	8	<10	130	<0.5	<2	0.12	<0.5	6	29	10	2.97
E004009		0.42	<0.005	<0.2	1.81	8	<10	230	0.5	<2	0.26	<0.5	8	32	21	2.61
E004010		0.10	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.02
E004011		0.42	<0.005	<0.2	2.39	11	<10	270	<0.5	<2	0.21	<0.5	9	36	13	3.25
E004012		0.42	<0.005	<0.2	0.53	4	<10	60	<0.5	<2	0.05	<0.5	1	7	4	0.80
E004013		0.38	<0.005	<0.2	2.46	11	<10	370	<0.5	<2	0.26	<0.5	9	36	19	3.21
E004014		0.40	<0.005	<0.2	2.74	13	<10	270	<0.5	<2	0.16	<0.5	11	39	19	3.30
E004015		0.46	<0.005	<0.2	1.24	9	<10	100	<0.5	<2	0.09	<0.5	4	20	8	2.66
E004016		0.38	<0.005	0.2	2.46	10	<10	280	<0.5	<2	0.22	<0.5	8	34	17	3.21
E004017		0.38	0.008	0.2	1.43	9	<10	140	<0.5	<2	0.13	<0.5	4	27	8	2.59
E004018		0.40	<0.005	<0.2	2.02	11	<10	170	<0.5	<2	0.16	<0.5	7	31	11	2.90
E004019		0.26	<0.005	<0.2	1.50	6	<10	160	<0.5	<2	0.09	<0.5	4	22	10	2.59
E004020		0.30	<0.005	<0.2	1.40	8	<10	140	<0.5	<2	0.09	<0.5	4	23	9	2.68





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Finalized Date: 22-OCT-2009  
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## CERTIFICATE OF ANALYSIS VA09111206

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E003981		10	1	0.06	20	0.62	329	1	0.01	27	270	11	<0.01	<2	4	20
E003982		10	<1	0.05	10	0.36	735	2	0.01	38	1280	4	<0.01	<2	2	22
E003983		10	2	0.05	10	0.38	1080	1	0.01	16	330	8	<0.01	<2	2	13
E003984		10	1	0.04	10	0.47	553	1	0.01	22	370	12	<0.01	<2	3	16
E003985		10	1	0.05	10	0.37	1660	1	0.01	17	300	9	<0.01	<2	3	18
E003986		10	1	0.07	10	0.55	490	1	0.01	26	230	10	<0.01	2	3	21
E003987		10	1	0.04	10	0.49	359	1	0.01	22	220	9	<0.01	<2	3	18
E003988		10	1	0.05	10	0.53	348	1	0.01	21	230	9	<0.01	<2	2	17
E003989		10	1	0.04	10	0.64	290	1	0.01	32	160	13	<0.01	<2	4	17
E003990		10	1	0.04	10	0.63	285	1	0.01	32	160	10	<0.01	<2	4	17
E003991		10	1	0.08	10	0.60	405	1	0.01	24	260	12	<0.01	<2	3	29
E003992		10	1	0.10	10	0.40	986	<1	0.02	21	310	7	<0.01	<2	3	27
E003993		10	1	0.08	10	0.99	227	<1	0.02	80	310	7	<0.01	<2	3	28
E003994		10	2	0.08	10	0.35	1415	1	0.02	20	180	9	<0.01	<2	3	26
E003995		10	1	0.05	10	0.29	230	1	0.01	12	270	11	<0.01	<2	2	16
E003996		<10	1	0.08	10	0.39	192	1	0.01	14	240	10	<0.01	<2	3	14
E003997		10	1	0.04	20	0.40	149	<1	0.01	13	330	15	<0.01	<2	4	18
E003998		10	1	0.07	50	0.26	322	<1	0.01	11	470	18	0.02	<2	5	32
E003999		<10	1	0.08	30	0.13	119	<1	0.01	5	290	8	0.01	<2	2	12
E004000		10	2	0.08	30	0.13	117	<1	0.01	5	300	10	0.01	<2	2	12
E004001		<10	1	0.06	20	0.31	227	<1	0.01	11	300	11	<0.01	<2	3	17
E004002		10	1	0.05	30	0.29	199	1	0.01	14	360	13	0.01	<2	4	16
E004003		<10	1	0.05	10	0.25	140	<1	0.01	7	190	11	<0.01	<2	3	12
E004004		10	1	0.05	30	0.19	115	1	0.01	10	300	15	0.02	<2	3	24
E004005		<10	<1	0.04	10	0.24	123	1	0.01	9	210	8	0.01	<2	2	12
E004006		<10	<1	0.05	10	0.17	142	1	0.01	6	220	6	0.01	<2	2	16
E004007		10	<1	0.04	10	0.39	191	2	0.01	19	300	11	0.02	<2	3	15
E004008		10	<1	0.03	10	0.33	187	1	0.01	12	230	8	0.01	<2	3	15
E004009		10	<1	0.04	20	0.49	261	1	0.02	19	280	7	0.01	<2	5	23
E004010		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.01	<2	<1	<1
E004011		10	<1	0.03	10	0.48	206	1	0.01	20	130	7	<0.01	<2	3	22
E004012		<10	<1	0.03	10	0.08	36	<1	0.01	2	120	4	<0.01	<2	1	6
E004013		10	<1	0.05	10	0.50	211	1	0.01	23	170	9	0.01	<2	4	27
E004014		10	1	0.05	10	0.54	249	1	0.01	25	200	8	0.01	<2	4	19
E004015		10	<1	0.06	10	0.24	245	2	0.01	9	540	9	0.01	<2	2	8
E004016		10	1	0.05	10	0.48	213	1	0.01	20	390	8	0.01	<2	4	19
E004017		10	<1	0.02	10	0.27	98	1	0.01	8	180	7	0.01	<2	2	14
E004018		10	<1	0.03	10	0.41	179	1	0.01	14	150	7	<0.01	<2	3	17
E004019		10	<1	0.03	10	0.24	119	1	0.01	9	220	7	0.01	<2	2	13
E004020		10	<1	0.03	10	0.24	116	1	0.01	8	240	7	0.01	<2	2	12



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Account: EIA

Project: HAO09-01

<b>CERTIFICATE OF ANALYSIS VA09111206</b>
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Ti	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm
LOR		20	0.01	10	10	1	10
Zn							2
E003981	<20	0.10	<10	<10	78	<10	58
E003982	<20	0.06	<10	<10	74	<10	107
E003983	<20	0.08	<10	<10	57	<10	61
E003984	<20	0.10	<10	<10	82	<10	56
E003985	<20	0.07	<10	<10	74	<10	54
E003986	<20	0.09	<10	<10	74	<10	63
E003987	<20	0.10	<10	<10	87	<10	63
E003988	<20	0.08	<10	<10	54	<10	55
E003989	<20	0.12	<10	<10	86	<10	58
E003990	<20	0.11	<10	<10	84	<10	56
E003991	<20	0.09	<10	<10	73	<10	89
E003992	<20	0.09	<10	<10	61	<10	59
E003993	<20	0.11	<10	<10	58	<10	53
E003994	<20	0.07	<10	<10	56	<10	57
E003995	<20	0.05	<10	<10	54	<10	38
E003996	<20	0.06	<10	<10	47	<10	42
E003997	<20	0.06	<10	<10	52	<10	42
E003998	<20	0.04	<10	<10	39	<10	42
E003999	<20	0.04	<10	<10	29	<10	29
E004000	<20	0.04	<10	<10	29	<10	29
E004001	<20	0.06	<10	<10	44	<10	41
E004002	<20	0.04	<10	<10	54	<10	41
E004003	<20	0.05	<10	<10	48	<10	30
E004004	<20	0.03	<10	<10	41	<10	28
E004005	<20	0.05	<10	<10	44	<10	30
E004006	<20	0.04	<10	<10	29	<10	23
E004007	<20	0.08	<10	<10	76	<10	39
E004008	<20	0.08	<10	<10	69	<10	33
E004009	<20	0.09	<10	<10	61	<10	44
E004010	<20	<0.01	<10	<10	<1	<10	<2
E004011	<20	0.10	<10	<10	77	<10	44
E004012	<20	0.04	<10	<10	24	<10	8
E004013	<20	0.09	<10	<10	72	<10	39
E004014	<20	0.09	<10	<10	71	<10	51
E004015	<20	0.05	<10	<10	61	<10	35
E004016	<20	0.09	<10	<10	70	<10	45
E004017	<20	0.09	<10	<10	74	<10	26
E004018	<20	0.07	<10	<10	64	<10	36
E004019	<20	0.08	<10	<10	67	<10	28
E004020	<20	0.09	<10	<10	73	<10	28



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## CERTIFICATE OF ANALYSIS VA09111206

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E004021		0.40	<0.005	<0.2	2.11	11	<10	310	0.5	<2	0.19	<0.5	9	38	14	3.09
E004022		0.34	<0.005	0.3	0.81	2	<10	150	<0.5	<2	0.11	<0.5	3	13	9	1.10
E004023		0.42	<0.005	0.3	1.97	10	<10	260	<0.5	<2	0.26	<0.5	6	29	16	2.58
E004024		0.34	<0.005	0.2	1.63	4	<10	280	<0.5	<2	0.24	<0.5	5	25	16	2.06
E004025		0.36	<0.005	<0.2	1.46	7	<10	210	<0.5	<2	0.19	<0.5	4	23	18	1.91
E004026		0.38	<0.005	<0.2	1.58	7	<10	240	<0.5	<2	0.25	<0.5	6	26	16	2.13
E004027		0.36	<0.005	<0.2	2.09	8	<10	190	<0.5	<2	0.22	<0.5	7	27	10	2.86
E004028		0.46	<0.005	0.2	1.70	9	<10	200	<0.5	<2	0.19	<0.5	6	24	10	2.56
E004029		0.42	<0.005	<0.2	0.91	4	<10	160	<0.5	<2	0.13	<0.5	3	14	6	1.28
E004030		<0.02	<0.005	<0.2	0.88	3	<10	160	<0.5	<2	0.13	<0.5	3	14	6	1.25
E004031		0.36	<0.005	0.2	1.33	6	<10	240	0.5	<2	0.22	<0.5	6	21	15	1.88
E004032		0.42	<0.005	0.2	1.35	5	<10	360	0.5	<2	0.13	<0.5	3	18	18	1.74
E004033		0.38	<0.005	<0.2	1.63	7	<10	190	<0.5	<2	0.26	<0.5	5	29	10	2.34
E004034		0.42	<0.005	<0.2	1.70	7	<10	310	<0.5	<2	0.60	<0.5	8	40	22	2.44
E004035		0.44	<0.005	0.3	1.74	7	<10	230	<0.5	<2	0.32	<0.5	9	48	19	2.49
E004036		0.40	0.007	<0.2	1.71	6	<10	270	<0.5	<2	0.50	<0.5	10	54	24	2.32
E004037		0.42	<0.005	<0.2	2.10	4	<10	240	<0.5	<2	0.38	<0.5	11	75	34	2.82
E004038		0.40	<0.005	<0.2	1.63	5	<10	120	<0.5	<2	0.22	<0.5	8	54	18	2.44
E004039		0.38	<0.005	0.2	1.85	7	<10	170	<0.5	<2	0.22	<0.5	8	56	20	2.66
E004040		0.42	<0.005	<0.2	1.78	6	<10	170	<0.5	<2	0.21	<0.5	8	55	20	2.56
E004041		0.40	<0.005	<0.2	1.44	4	<10	140	<0.5	<2	0.18	<0.5	8	51	23	2.17
E004042		0.44	<0.005	<0.2	1.47	4	<10	190	<0.5	<2	0.26	<0.5	8	51	23	2.26
E004043		0.50	<0.005	<0.2	1.44	4	<10	110	<0.5	<2	0.25	<0.5	8	65	25	2.13
E004044		0.50	<0.005	<0.2	1.72	3	<10	200	<0.5	<2	0.36	<0.5	10	74	26	2.63
E004045		0.36	<0.005	<0.2	2.73	13	<10	140	0.6	<2	0.27	<0.5	21	44	34	3.27
E004046		0.32	<0.005	0.5	1.27	6	<10	110	<0.5	<2	0.28	<0.5	9	24	33	2.14
E004047		0.42	<0.005	0.2	2.36	10	<10	180	<0.5	<2	0.18	<0.5	10	34	13	3.16
E004048		0.40	<0.005	0.3	2.76	10	<10	220	0.6	<2	0.23	<0.5	14	45	26	3.81
E004049		0.40	<0.005	0.2	1.80	14	<10	100	<0.5	<2	0.10	<0.5	13	45	20	3.39
E004050		0.08	<0.005	<0.2	0.01	<2	<10	10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.01
E004051		0.34	<0.005	0.3	2.11	6	<10	150	<0.5	<2	0.17	<0.5	10	31	13	3.43
E004052		0.38	<0.005	<0.2	2.28	9	<10	240	0.7	<2	0.60	<0.5	12	34	19	3.13
E004053		0.30	<0.005	0.4	2.13	13	<10	160	<0.5	<2	0.19	<0.5	9	30	14	3.43
E004054		0.40	<0.005	0.3	2.70	14	<10	190	<0.5	<2	0.15	<0.5	12	41	24	3.89
E004055		0.40	<0.005	0.3	2.50	13	<10	220	<0.5	<2	0.12	<0.5	10	38	19	3.87
E004056		0.46	<0.005	<0.2	1.12	8	<10	70	0.5	<2	0.44	<0.5	6	21	13	3.11
E004057		0.40	<0.005	0.2	2.95	12	<10	220	0.8	<2	0.57	<0.5	17	45	25	3.88
E004058		0.34	<0.005	0.3	2.98	14	<10	200	0.6	<2	0.14	<0.5	14	43	25	3.47
E004059		0.38	<0.005	0.3	2.35	8	<10	190	0.5	<2	0.11	<0.5	18	38	18	3.53
E004060		0.36	<0.005	0.4	2.45	7	<10	200	0.5	<2	0.12	<0.5	19	40	20	3.64



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E004021		<10	<1	0.03	10	0.50	244	1	0.01	20	170	7	<0.01	<2	4	20
E004022		<10	<1	0.03	10	0.11	67	<1	0.01	5	300	3	0.01	<2	1	13
E004023		10	<1	0.04	10	0.42	171	1	0.01	16	320	8	0.01	<2	4	23
E004024		<10	<1	0.05	10	0.31	122	1	0.01	13	320	6	0.01	<2	3	23
E004025		10	<1	0.05	10	0.31	120	1	0.01	12	310	7	0.01	<2	3	19
E004026		<10	<1	0.04	20	0.39	152	1	0.01	14	410	6	0.01	<2	3	22
E004027		10	<1	0.08	10	0.50	252	1	0.01	14	360	5	0.01	<2	3	20
E004028		10	<1	0.05	20	0.36	234	1	0.01	13	310	7	0.01	<2	3	18
E004029		10	<1	0.05	20	0.17	133	1	0.01	6	230	6	0.01	<2	2	14
E004030		<10	<1	0.05	20	0.16	130	1	<0.01	6	230	5	0.01	<2	2	13
E004031		<10	<1	0.07	20	0.29	228	1	0.01	12	320	9	0.01	<2	3	21
E004032		10	<1	0.09	20	0.15	117	1	0.01	8	220	11	0.01	<2	3	15
E004033		10	1	0.05	10	0.40	156	1	0.01	14	350	6	0.01	<2	3	21
E004034		10	<1	0.06	10	0.56	333	1	0.02	23	490	5	0.02	<2	4	41
E004035		<10	<1	0.04	10	0.60	204	1	0.01	24	370	7	0.01	<2	4	22
E004036		<10	1	0.09	10	0.68	300	1	0.02	30	450	3	0.01	<2	5	32
E004037		10	1	0.07	10	0.86	217	1	0.02	37	480	5	0.02	<2	5	24
E004038		10	<1	0.03	10	0.63	181	1	<0.01	26	340	3	<0.01	<2	3	15
E004039		10	<1	0.03	10	0.65	165	1	0.01	27	260	4	<0.01	<2	3	16
E004040		10	<1	0.03	10	0.63	176	1	0.01	27	280	4	0.01	<2	3	16
E004041		10	<1	0.05	10	0.60	145	1	0.01	25	360	2	0.01	2	3	12
E004042		<10	<1	0.04	10	0.72	179	1	0.01	26	360	2	0.01	<2	3	15
E004043		10	<1	0.03	10	0.84	183	1	0.01	42	360	2	0.01	2	3	14
E004044		<10	<1	0.09	10	0.94	193	1	0.01	40	490	<2	0.01	<2	3	18
E004045		10	<1	0.05	10	0.72	329	1	0.02	55	330	5	0.02	<2	4	19
E004046		10	<1	0.04	10	0.34	200	1	0.02	24	410	3	0.02	<2	2	19
E004047		10	1	0.04	10	0.54	253	1	0.01	21	250	7	0.01	<2	3	16
E004048		10	1	0.09	10	0.68	305	1	0.01	37	290	11	0.01	<2	3	22
E004049		10	1	0.05	10	0.54	781	1	0.01	29	330	6	0.04	<2	4	10
E004050		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.03	<2	<1	<1
E004051		10	<1	0.04	10	0.43	364	2	0.01	18	240	13	0.05	<2	3	15
E004052		10	<1	0.04	20	0.47	392	1	0.02	25	300	11	0.05	<2	6	50
E004053		10	1	0.04	10	0.39	251	2	0.01	19	290	9	0.05	<2	3	16
E004054		10	1	0.06	10	0.56	274	2	0.01	39	250	14	0.03	<2	3	13
E004055		10	<1	0.05	10	0.50	280	2	0.01	29	250	6	0.02	<2	4	13
E004056		10	<1	0.04	10	0.28	171	2	0.01	16	360	13	0.01	<2	4	36
E004057		10	<1	0.04	10	0.45	218	1	0.01	39	480	16	0.01	<2	6	44
E004058		10	<1	0.04	10	0.55	332	2	0.01	33	260	8	0.02	<2	4	14
E004059		10	1	0.03	10	0.46	503	1	0.01	27	200	9	0.04	<2	4	11
E004060		10	1	0.03	10	0.48	551	2	0.01	31	200	9	0.03	<2	4	11



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## CERTIFICATE OF ANALYSIS VA09111206

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
E004021		<20	0.09	<10	<10	68	<10	48
E004022		<20	0.06	<10	<10	31	<10	16
E004023		<20	0.09	<10	<10	61	<10	41
E004024		<20	0.07	<10	<10	46	<10	37
E004025		<20	0.07	<10	<10	43	<10	37
E004026		<20	0.08	<10	<10	48	<10	43
E004027		<20	0.09	<10	<10	63	<10	50
E004028		<20	0.09	<10	<10	66	<10	40
E004029		<20	0.06	<10	<10	32	<10	23
E004030		<20	0.06	<10	<10	31	<10	22
E004031		<20	0.06	<10	<10	43	<10	33
E004032		<20	0.05	<10	<10	38	<10	26
E004033		<20	0.08	<10	<10	61	<10	37
E004034		<20	0.09	<10	<10	55	<10	44
E004035		<20	0.08	<10	<10	55	<10	49
E004036		<20	0.10	<10	<10	50	<10	44
E004037		<20	0.13	<10	<10	65	<10	42
E004038		<20	0.09	<10	<10	60	<10	40
E004039		<20	0.10	<10	<10	64	<10	45
E004040		<20	0.10	<10	<10	63	<10	43
E004041		<20	0.09	<10	<10	50	<10	37
E004042		<20	0.09	<10	<10	51	<10	41
E004043		<20	0.10	<10	<10	46	<10	53
E004044		<20	0.11	<10	<10	52	<10	52
E004045		<20	0.10	<10	<10	78	<10	53
E004046		<20	0.08	<10	<10	52	<10	31
E004047		<20	0.11	<10	<10	78	<10	41
E004048		<20	0.11	<10	<10	78	<10	56
E004049		<20	0.09	<10	<10	74	<10	60
E004050		<20	<0.01	<10	<10	<1	<10	2
E004051		<20	0.10	<10	<10	85	<10	55
E004052		<20	0.08	<10	<10	70	<10	45
E004053		<20	0.09	<10	<10	80	<10	42
E004054		<20	0.10	<10	<10	82	<10	49
E004055		<20	0.07	<10	<10	77	<10	47
E004056		<20	0.08	<10	<10	65	<10	51
E004057		<20	0.04	<10	<10	63	<10	52
E004058		<20	0.10	<10	<10	75	<10	47
E004059		<20	0.09	<10	<10	80	<10	43
E004060		<20	0.09	<10	<10	81	<10	44



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Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E004061		0.42	<0.005	0.3	1.21	4	<10	170	<0.5	<2	0.19	<0.5	9	25	22	2.74
E004062		0.42	<0.005	0.2	2.61	10	<10	160	<0.5	<2	0.18	<0.5	18	43	32	4.26
E004063		0.34	<0.005	<0.2	2.57	6	<10	120	<0.5	<2	0.25	<0.5	14	30	16	3.27
E004064		0.38	<0.005	<0.2	2.10	8	<10	100	<0.5	<2	0.12	<0.5	10	25	16	3.07
E004065		0.38	<0.005	0.3	2.21	5	<10	260	<0.5	<2	0.23	<0.5	21	32	16	3.22
E004066		0.42	0.013	<0.2	1.95	4	<10	170	0.5	<2	0.34	<0.5	15	29	17	3.03
E004067		0.40	<0.005	<0.2	1.48	4	<10	230	<0.5	<2	0.29	<0.5	12	25	10	2.33
E004068		0.44	<0.005	0.2	1.43	3	<10	170	<0.5	<2	0.16	<0.5	14	70	12	1.93
E004069		0.38	0.010	<0.2	1.49	2	<10	190	<0.5	<2	0.32	<0.5	15	30	10	2.40
E004070		<0.02	<0.005	<0.2	1.51	4	<10	190	<0.5	<2	0.32	<0.5	16	31	12	2.42
E004071		0.36	<0.005	<0.2	1.86	3	<10	220	0.5	<2	0.45	<0.5	22	31	13	2.63
E004072		0.38	<0.005	<0.2	1.77	7	<10	180	0.5	<2	0.40	<0.5	18	36	16	2.79
E004073		0.42	<0.005	<0.2	2.00	4	<10	310	0.5	<2	0.49	<0.5	11	32	13	3.12
E004074		0.38	<0.005	0.3	1.37	7	<10	230	<0.5	<2	0.30	<0.5	8	22	9	2.33
E004075		0.44	<0.005	<0.2	0.98	4	<10	240	<0.5	<2	0.27	<0.5	6	11	8	1.63
E004076		0.42	<0.005	<0.2	1.88	10	<10	200	<0.5	<2	0.24	<0.5	8	32	12	3.06
E004077		0.40	<0.005	<0.2	1.44	4	<10	120	<0.5	<2	0.12	<0.5	5	22	10	2.65
E004078		0.36	<0.005	<0.2	2.13	5	<10	180	<0.5	<2	0.15	<0.5	14	31	13	3.14
E004079		0.38	<0.005	<0.2	1.36	3	<10	220	<0.5	<2	0.24	<0.5	7	20	8	2.40
E004080		0.40	<0.005	<0.2	1.36	5	<10	200	<0.5	<2	0.25	<0.5	7	20	9	2.40
E004081		0.38	<0.005	<0.2	1.52	4	<10	210	<0.5	<2	0.23	<0.5	9	24	12	2.60
E004082		0.36	<0.005	<0.2	1.79	3	<10	220	<0.5	<2	0.24	<0.5	11	27	12	2.87
E004083		0.40	<0.005	0.3	1.48	5	<10	240	<0.5	<2	0.31	<0.5	8	25	10	2.59
E004084		0.32	<0.005	<0.2	1.59	5	<10	160	0.5	<2	0.16	<0.5	9	26	11	2.65
E004151		0.32	<0.005	0.4	1.34	6	<10	160	<0.5	<2	0.12	<0.5	7	25	17	2.92
E004152		0.40	<0.005	0.3	1.90	7	<10	260	<0.5	<2	0.17	<0.5	6	31	15	3.38
E004153		0.42	<0.005	0.3	2.41	8	<10	330	0.5	<2	0.13	<0.5	11	35	45	3.87
E004154		0.26	<0.005	0.3	1.55	9	<10	180	<0.5	<2	0.10	<0.5	7	24	16	2.79
E004155		0.30	<0.005	0.4	1.56	5	<10	300	<0.5	<2	0.23	1.1	9	27	14	2.85
E004156		0.26	<0.005	0.2	1.85	9	<10	240	<0.5	<2	0.14	<0.5	7	31	16	3.10
E004157		0.36	<0.005	0.5	1.47	6	<10	330	<0.5	<2	0.11	<0.5	12	20	11	2.39
E004158		0.34	<0.005	0.9	1.50	7	<10	230	<0.5	<2	0.12	<0.5	7	25	14	2.81
E004159		0.24	<0.005	<0.2	1.30	7	<10	120	<0.5	<2	0.15	<0.5	8	26	18	2.34
E004160		0.22	<0.005	<0.2	1.22	5	<10	120	<0.5	<2	0.16	<0.5	7	23	16	2.22
E004161		0.36	<0.005	<0.2	0.88	3	<10	120	<0.5	<2	0.12	<0.5	3	12	8	1.35
E004162		0.40	<0.005	<0.2	1.67	<2	<10	230	<0.5	<2	0.28	<0.5	16	59	19	2.50
E004163		0.36	<0.005	<0.2	1.54	9	<10	90	<0.5	<2	0.18	<0.5	10	94	10	2.43
E004164		0.34	<0.005	<0.2	1.45	7	<10	180	<0.5	<2	0.19	<0.5	10	38	13	2.62
E004165		0.34	<0.005	0.2	1.86	3	<10	160	<0.5	<2	0.16	<0.5	8	27	14	2.93
E004166		0.34	<0.005	<0.2	1.27	2	<10	210	<0.5	<2	0.29	<0.5	8	70	13	2.20



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E004061		10	<1	0.05	<10	0.23	276	1	0.01	31	310	3	0.05	<2	2	17
E004062		10	<1	0.04	10	0.59	241	1	0.01	57	310	8	0.03	<2	4	18
E004063		10	1	0.03	<10	0.63	238	1	0.01	18	570	7	0.03	<2	2	19
E004064		10	<1	0.03	10	0.40	649	2	0.01	16	500	5	0.03	2	3	12
E004065		10	<1	0.03	10	0.47	938	1	0.02	18	370	7	0.04	<2	3	21
E004066		<10	<1	0.07	10	0.71	327	1	0.01	20	840	3	0.03	<2	4	24
E004067		<10	<1	0.06	10	0.46	441	1	0.01	16	370	3	0.04	<2	2	23
E004068		<10	<1	0.05	<10	0.52	187	1	0.01	50	290	16	0.04	<2	1	15
E004069		<10	<1	0.07	10	0.51	372	1	0.01	22	270	3	0.03	<2	2	23
E004070		10	<1	0.07	10	0.52	375	1	0.01	22	280	3	0.03	<2	2	23
E004071		<10	<1	0.08	10	0.47	576	1	0.02	24	610	3	0.03	<2	4	30
E004072		<10	<1	0.08	10	0.65	374	1	0.01	27	360	2	0.04	<2	3	25
E004073		10	<1	0.22	10	0.60	339	1	0.02	21	330	7	0.05	<2	3	31
E004074		<10	1	0.10	10	0.34	497	1	0.02	12	140	10	0.05	<2	3	27
E004075		<10	<1	0.17	10	0.25	549	1	0.02	8	160	9	0.05	<2	1	25
E004076		10	<1	0.08	10	0.47	285	2	0.02	16	180	7	0.05	<2	3	21
E004077		10	<1	0.05	10	0.30	245	1	0.01	12	180	12	0.01	<2	2	12
E004078		10	1	0.04	10	0.44	433	1	<0.01	18	160	11	<0.01	<2	3	15
E004079		<10	1	0.07	10	0.31	616	1	0.02	11	230	10	0.01	<2	2	21
E004080		<10	<1	0.07	10	0.31	539	1	0.02	11	240	9	0.01	<2	2	21
E004081		10	<1	0.04	10	0.33	1340	1	0.02	13	220	13	0.01	<2	2	20
E004082		<10	1	0.04	10	0.39	1085	1	0.02	15	240	9	0.01	<2	2	20
E004083		<10	1	0.05	10	0.38	1010	1	0.01	13	260	9	0.01	<2	3	22
E004084		10	<1	0.04	10	0.37	741	1	0.01	13	370	9	0.01	<2	2	15
E004151		<10	<1	0.03	10	0.29	205	2	0.01	17	320	6	0.01	<2	2	13
E004152		10	<1	0.04	10	0.46	173	1	0.01	13	320	10	0.03	<2	3	17
E004153		10	1	0.06	10	0.53	229	1	0.01	34	270	8	0.05	<2	4	14
E004154		<10	<1	0.04	10	0.31	377	1	0.01	19	860	6	<0.01	<2	2	10
E004155		10	1	0.03	10	0.40	740	1	0.01	13	650	6	0.02	<2	2	21
E004156		<10	1	0.03	10	0.41	231	1	0.01	18	420	7	0.01	<2	3	13
E004157		10	<1	0.03	10	0.24	1985	1	0.01	10	340	7	0.01	<2	2	12
E004158		10	<1	0.04	10	0.28	600	1	0.01	13	440	6	0.03	<2	2	12
E004159		<10	1	0.06	10	0.43	278	<1	0.02	17	380	5	0.01	<2	2	15
E004160		10	<1	0.07	10	0.40	275	<1	0.01	16	400	5	0.01	2	2	15
E004161		<10	<1	0.03	10	0.14	116	1	0.01	6	230	3	0.01	<2	1	12
E004162		10	<1	0.03	<10	0.77	528	<1	0.02	64	330	2	0.01	<2	2	20
E004163		<10	1	0.05	10	0.81	117	1	0.01	83	250	2	<0.01	5	5	11
E004164		10	<1	0.03	<10	0.46	345	1	0.02	32	340	6	0.01	<2	2	15
E004165		<10	<1	0.03	10	0.39	238	1	0.01	17	210	5	0.01	<2	3	13
E004166		<10	<1	0.10	<10	0.54	397	1	0.01	31	260	4	0.01	<2	2	19



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<b>CERTIFICATE OF ANALYSIS</b>	<b>VA09111206</b>
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR	20	0.01	10	10	1	10	2	
E004061	<20	0.06	<10	<10	55	<10	34	
E004062	<20	0.11	<10	<10	80	<10	39	
E004063	<20	0.08	<10	<10	69	<10	61	
E004064	<20	0.09	<10	<10	74	<10	59	
E004065	<20	0.09	<10	<10	78	<10	63	
E004066	<20	0.07	<10	<10	57	<10	54	
E004067	<20	0.08	<10	<10	54	<10	37	
E004068	<20	0.05	<10	<10	41	<10	34	
E004069	<20	0.05	<10	<10	45	<10	37	
E004070	<20	0.06	<10	<10	47	<10	39	
E004071	<20	0.07	<10	<10	54	<10	52	
E004072	<20	0.06	<10	<10	53	<10	44	
E004073	<20	0.05	<10	<10	65	<10	55	
E004074	<20	0.06	<10	<10	52	<10	30	
E004075	<20	0.05	<10	<10	32	<10	39	
E004076	<20	0.09	<10	<10	73	<10	49	
E004077	<20	0.07	<10	<10	67	<10	44	
E004078	<20	0.08	<10	<10	75	<10	47	
E004079	<20	0.06	<10	<10	56	<10	56	
E004080	<20	0.06	<10	<10	54	<10	55	
E004081	<20	0.07	<10	<10	62	<10	61	
E004082	<20	0.08	<10	<10	71	<10	53	
E004083	<20	0.07	<10	<10	62	<10	56	
E004084	<20	0.08	<10	<10	65	<10	59	
E004151	<20	0.08	<10	<10	68	<10	45	
E004152	<20	0.09	<10	<10	86	<10	56	
E004153	<20	0.08	<10	<10	68	<10	79	
E004154	<20	0.06	<10	<10	68	<10	64	
E004155	<20	0.06	<10	<10	67	<10	74	
E004156	<20	0.07	<10	<10	74	<10	63	
E004157	<20	0.04	<10	<10	61	<10	50	
E004158	<20	0.06	<10	<10	68	<10	52	
E004159	<20	0.08	<10	<10	51	<10	41	
E004160	<20	0.07	<10	<10	49	<10	40	
E004161	<20	0.04	<10	<10	37	<10	20	
E004162	<20	0.12	<10	<10	61	<10	49	
E004163	<20	0.06	<10	<10	62	<10	19	
E004164	<20	0.08	<10	<10	66	<10	44	
E004165	<20	0.07	<10	<10	69	<10	46	
E004166	<20	0.09	<10	<10	51	<10	40	





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Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E004167		0.36	<0.005	<0.2	1.55	3	<10	370	<0.5	<2	0.25	<0.5	15	53	11	2.41
E004168		0.36	<0.005	<0.2	1.31	3	<10	270	<0.5	<2	0.21	<0.5	12	27	13	2.42
E004169		0.32	<0.005	<0.2	1.15	4	<10	180	<0.5	<2	0.18	<0.5	6	27	11	1.89
E004170		0.06	<0.005	<0.2	0.02	<2	<10	10	<0.5	<2	0.01	<0.5	1	1	<1	0.04
E004171		0.36	<0.005	<0.2	1.20	4	<10	190	<0.5	<2	0.23	<0.5	6	23	19	2.07
E004172		0.32	<0.005	0.5	1.13	6	<10	220	<0.5	<2	0.25	<0.5	5	21	12	1.98
E004173		0.34	<0.005	0.2	1.07	6	<10	270	<0.5	<2	0.23	<0.5	6	22	11	2.22
E004174		0.18	<0.005	0.3	1.28	6	<10	420	<0.5	<2	0.33	0.5	13	24	17	2.38
E004175		0.34	<0.005	0.3	1.35	9	<10	580	<0.5	<2	0.42	<0.5	10	25	21	2.23
E004176		0.24	<0.005	0.3	1.24	8	<10	360	<0.5	<2	0.24	<0.5	16	25	13	2.65
E004177		0.26	<0.005	<0.2	1.11	3	<10	300	<0.5	<2	0.24	0.6	11	22	13	2.22
E004178		0.22	<0.005	0.2	1.40	4	<10	230	<0.5	<2	0.18	<0.5	13	24	13	2.46
E004179		0.24	<0.005	0.4	0.91	8	<10	250	<0.5	<2	0.19	<0.5	7	18	13	1.90
E004180		0.24	<0.005	0.2	0.95	5	<10	220	<0.5	<2	0.17	<0.5	8	19	12	1.98
E004181		0.26	<0.005	0.2	0.98	5	<10	210	<0.5	<2	0.25	<0.5	6	21	15	2.10
E004182		0.22	<0.005	0.4	1.21	10	<10	280	<0.5	<2	0.16	<0.5	6	20	14	1.98
E004183		0.26	<0.005	<0.2	1.15	7	<10	200	<0.5	<2	0.16	<0.5	4	21	9	1.83
E004184		0.36	<0.005	0.3	1.37	43	<10	170	<0.5	<2	0.13	<0.5	7	26	18	2.57
E004185		0.26	0.010	0.3	1.23	9	<10	170	<0.5	<2	0.12	<0.5	5	26	10	2.29
E004186		0.26	<0.005	0.4	1.32	8	<10	220	<0.5	<2	0.14	<0.5	6	26	13	2.19
E004187		0.32	<0.005	0.3	1.31	6	<10	450	<0.5	<2	0.33	<0.5	8	27	12	2.39
E004188		0.28	<0.005	0.3	1.72	7	<10	670	<0.5	<2	0.39	<0.5	13	34	17	2.98
E004189		0.40	<0.005	0.4	1.84	5	<10	780	<0.5	<2	0.40	0.5	16	65	26	3.16
E004190		Not Recvd														
E004191		0.28	<0.005	0.2	1.33	4	<10	490	<0.5	<2	0.39	<0.5	11	25	10	2.32
E004192		0.34	0.005	0.9	1.30	95	<10	670	<0.5	<2	0.29	<0.5	5	21	18	3.21
E004193		0.34	<0.005	0.5	1.97	11	<10	660	0.5	<2	0.45	0.6	25	61	58	4.02
E004194		0.40	<0.005	0.3	2.01	8	<10	440	<0.5	<2	0.36	<0.5	19	51	63	3.74
E004195		0.30	<0.005	0.7	1.87	9	<10	610	<0.5	<2	0.57	0.8	18	59	53	4.32
E004196		0.40	<0.005	0.9	1.59	20	<10	370	0.5	<2	0.49	1.3	16	34	53	3.31
E004197		0.30	<0.005	<0.2	1.87	36	<10	340	0.6	<2	0.40	<0.5	17	62	32	4.01
E004198		0.26	<0.005	0.3	2.32	4	<10	850	<0.5	<2	0.66	0.5	30	102	54	4.46
E004199		0.36	<0.005	<0.2	2.02	17	<10	420	0.6	<2	0.48	<0.5	15	45	38	3.33
E004200		0.42	<0.005	<0.2	1.95	17	<10	430	0.6	<2	0.50	<0.5	15	43	38	3.29
E004201		0.46	<0.005	<0.2	1.92	6	<10	200	0.5	<2	0.27	<0.5	13	32	13	3.38
E004202		0.40	<0.005	0.2	1.07	7	<10	150	<0.5	<2	0.20	<0.5	4	20	7	2.13
E004203		0.42	<0.005	0.5	1.38	7	<10	250	<0.5	<2	0.06	<0.5	6	21	34	2.12
E004204		0.36	<0.005	0.5	0.95	5	<10	160	<0.5	<2	0.16	<0.5	4	16	11	1.77
E004205		0.32	<0.005	0.4	1.23	6	<10	160	<0.5	<2	0.11	<0.5	4	22	11	2.14
E004206		0.32	<0.005	0.6	1.23	8	<10	200	<0.5	<2	0.10	<0.5	4	22	10	2.32



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units LOR	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
E004167		<10	1	0.06	<10	0.64	585	<1	0.01	27	450	3	0.01	<2	2	20
E004168		<10	1	0.05	10	0.35	523	1	0.01	16	280	6	0.01	<2	2	18
E004169		10	<1	0.04	10	0.38	295	1	0.01	14	250	5	0.01	<2	2	16
E004170		<10	<1	<0.01	<10	0.01	<5	<1	<0.01	<1	10	<2	0.01	<2	<1	1
E004171		<10	<1	0.06	10	0.37	213	1	0.01	16	330	5	0.01	<2	3	18
E004172		10	<1	0.04	10	0.33	149	1	0.01	11	430	6	0.01	<2	2	21
E004173		<10	<1	0.07	10	0.34	389	1	0.01	12	340	5	0.01	<2	2	20
E004174		<10	1	0.07	10	0.38	1425	1	0.02	19	680	4	0.01	<2	3	28
E004175		<10	<1	0.05	10	0.42	689	1	0.02	18	660	5	0.01	<2	3	33
E004176		<10	<1	0.05	10	0.36	1310	1	0.01	14	670	6	0.01	<2	2	22
E004177		<10	1	0.05	10	0.32	1060	1	0.01	13	370	7	0.01	<2	2	23
E004178		<10	1	0.05	10	0.34	960	1	0.02	12	510	6	0.01	<2	3	18
E004179		<10	<1	0.10	10	0.27	1080	1	0.01	12	530	6	0.02	<2	2	17
E004180		<10	<1	0.10	10	0.27	1040	2	0.01	12	420	6	0.01	<2	2	15
E004181		<10	1	0.18	10	0.32	491	2	0.01	14	640	7	0.02	<2	2	20
E004182		<10	<1	0.04	10	0.26	490	1	0.01	13	460	7	0.01	<2	2	16
E004183		10	1	0.03	10	0.29	226	1	0.01	11	250	6	0.01	<2	2	15
E004184		10	<1	0.03	10	0.31	212	1	0.01	20	280	11	0.01	2	2	14
E004185		<10	<1	0.03	10	0.29	234	2	0.01	16	350	6	0.01	<2	1	13
E004186		<10	<1	0.05	10	0.32	439	2	0.01	16	260	7	0.01	<2	2	13
E004187		<10	1	0.12	10	0.38	587	1	0.01	21	920	7	0.01	<2	3	23
E004188		10	1	0.14	10	0.59	572	1	0.02	25	1000	6	0.01	<2	4	26
E004189		10	1	0.26	10	0.82	759	2	0.01	59	900	7	0.01	<2	5	27
E004190																
E004191		10	<1	0.06	10	0.37	1310	1	0.01	16	930	5	0.01	<2	3	27
E004192		<10	<1	0.09	10	0.28	229	7	0.02	21	1320	10	0.08	6	3	48
E004193		10	<1	0.53	30	0.87	918	2	0.01	83	1100	5	0.03	<2	6	35
E004194		10	<1	0.75	30	0.96	419	1	0.01	59	970	6	0.02	<2	5	25
E004195		10	<1	0.42	20	0.73	596	2	0.02	52	1060	7	0.08	<2	5	50
E004196		10	<1	0.23	20	0.54	531	3	0.02	27	900	9	0.15	<2	4	51
E004197		10	<1	0.49	10	0.88	457	2	0.01	34	580	6	0.03	<2	6	26
E004198		10	1	1.03	10	1.26	742	1	0.01	94	1610	2	0.03	<2	4	36
E004199		10	<1	0.26	20	0.63	430	1	0.01	44	640	8	0.03	2	7	33
E004200		<10	<1	0.31	20	0.63	490	1	0.01	42	680	9	0.03	3	6	35
E004201		10	<1	0.43	10	0.67	564	1	0.01	20	270	7	0.01	<2	3	21
E004202		10	<1	0.09	10	0.31	189	1	0.01	9	200	7	0.01	<2	2	15
E004203		<10	1	0.03	10	0.20	145	1	0.01	18	160	5	0.01	<2	2	11
E004204		<10	<1	0.06	10	0.21	101	1	0.01	9	200	5	0.03	<2	2	17
E004205		10	<1	0.05	10	0.34	114	1	0.01	9	250	6	0.05	<2	2	12
E004206		10	<1	0.03	10	0.23	132	1	0.01	10	150	8	0.03	<2	2	12



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<b>CERTIFICATE OF ANALYSIS VA09111206</b>
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Ti	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
E004167		<20	0.10	<10	<10	49	<10	46
E004168		<20	0.07	<10	<10	58	<10	33
E004169		<20	0.07	<10	<10	50	<10	29
E004170		<20	<0.01	<10	<10	1	<10	4
E004171		<20	0.06	<10	<10	48	<10	38
E004172		<20	0.06	<10	<10	51	<10	34
E004173		<20	0.07	<10	<10	55	<10	51
E004174		<20	0.07	<10	<10	53	<10	68
E004175		<20	0.07	<10	<10	55	<10	48
E004176		<20	0.07	<10	<10	63	<10	75
E004177		<20	0.06	<10	<10	57	<10	66
E004178		<20	0.07	<10	<10	59	<10	59
E004179		<20	0.06	<10	<10	47	<10	69
E004180		<20	0.06	<10	<10	50	<10	64
E004181		<20	0.06	<10	<10	46	<10	67
E004182		<20	0.04	<10	<10	50	<10	46
E004183		<20	0.05	<10	<10	51	<10	37
E004184		<20	0.04	<10	<10	57	<10	54
E004185		<20	0.05	<10	<10	57	<10	52
E004186		<20	0.05	<10	<10	53	<10	54
E004187		<20	0.07	<10	<10	50	<10	75
E004188		<20	0.11	<10	<10	64	<10	82
E004189		<20	0.12	<10	<10	71	<10	125
E004190								
E004191		<20	0.07	<10	<10	51	<10	73
E004192		<20	0.03	<10	<10	54	<10	104
E004193		<20	0.12	<10	<10	87	<10	173
E004194		<20	0.15	<10	<10	86	<10	111
E004195		<20	0.12	<10	<10	92	<10	130
E004196		<20	0.07	<10	<10	66	<10	128
E004197		<20	0.11	<10	<10	75	<10	77
E004198		<20	0.20	<10	<10	85	<10	133
E004199		<20	0.09	<10	<10	65	<10	78
E004200		<20	0.09	<10	<10	63	<10	79
E004201		<20	0.14	<10	<10	58	<10	64
E004202		<20	0.09	<10	<10	56	<10	31
E004203		<20	0.03	<10	<10	42	<10	42
E004204		<20	0.08	<10	<10	46	<10	27
E004205		<20	0.07	<10	<10	46	<10	38
E004206		<20	0.08	<10	<10	67	<10	30



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## CERTIFICATE OF ANALYSIS VA09111206

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E004207		0.38	<0.005	0.4	1.85	11	<10	180	<0.5	<2	0.12	<0.5	7	28	18	2.66
E004208		0.46	<0.005	1.0	1.76	9	<10	230	<0.5	<2	0.16	<0.5	5	29	15	2.84
E004209		0.44	<0.005	1.8	2.40	16	<10	360	0.5	<2	0.19	<0.5	10	45	24	3.06
E004210		0.04	<0.005	<0.2	0.04	2	<10	10	<0.5	<2	0.01	<0.5	<1	1	<1	0.63
E004211		0.46	<0.005	0.5	1.57	5	<10	550	0.5	<2	0.35	<0.5	10	52	16	3.01
E004212		0.26	<0.005	0.3	1.25	6	<10	270	<0.5	<2	0.18	<0.5	8	25	13	2.29
E004213		0.32	<0.005	0.5	1.58	7	<10	420	<0.5	<2	0.31	<0.5	9	34	12	2.63
E004214		0.30	<0.005	<0.2	2.63	7	<10	570	0.6	<2	0.29	<0.5	13	90	23	3.97
E004215		0.32	<0.005	<0.2	2.01	4	<10	440	<0.5	<2	0.27	<0.5	11	44	12	3.13
E004216		0.26	<0.005	<0.2	1.81	6	<10	380	<0.5	<2	0.28	<0.5	9	41	16	2.99
E004251		0.34	<0.005	<0.2	0.95	4	<10	110	<0.5	<2	0.11	<0.5	7	17	7	2.34
E004252		0.34	<0.005	<0.2	1.35	<2	<10	360	<0.5	<2	0.42	<0.5	9	18	8	2.01
E004253		0.34	<0.005	<0.2	1.29	5	<10	350	<0.5	<2	0.37	<0.5	8	23	9	2.17
E004254		0.30	<0.005	<0.2	1.82	<2	<10	160	<0.5	<2	0.23	<0.5	11	50	10	2.81
E004255		0.22	<0.005	<0.2	1.29	3	<10	250	<0.5	<2	0.25	<0.5	11	21	9	2.31
E003350		0.32	<0.005	0.2	1.19	9	<10	460	<0.5	<2	0.48	<0.5	7	21	11	2.26
E003351		0.18	<0.005	0.4	1.45	6	<10	560	<0.5	<2	0.24	<0.5	14	21	20	2.52
E003352		0.14	NSS	<0.2	0.25	<2	<10	120	<0.5	<2	0.22	<0.5	1	6	6	0.53
E003353		0.20	<0.005	0.5	1.53	6	<10	320	<0.5	<2	0.22	<0.5	9	27	16	2.62
E003354		0.16	<0.005	<0.2	1.28	6	<10	430	<0.5	<2	0.15	<0.5	7	23	16	2.65
E003355		0.14	<0.005	<0.2	1.47	7	<10	530	<0.5	<2	0.33	<0.5	11	36	18	2.77
E003356		0.12	<0.005	<0.2	1.76	4	<10	730	<0.5	<2	0.37	<0.5	16	64	26	3.30
E003357		0.18	<0.005	0.3	1.24	12	<10	220	<0.5	<2	0.13	0.8	6	20	10	2.44
E003358		0.28	<0.005	0.2	1.69	12	<10	230	<0.5	<2	0.11	0.5	8	30	24	3.35
E003359		0.18	<0.005	0.6	1.28	6	<10	590	<0.5	<2	0.50	2.6	10	22	16	2.58
E003360		Not Recvd														
E003361		0.18	<0.005	<0.2	2.54	4	<10	390	1.0	<2	0.60	<0.5	15	39	9	4.46
E003362		0.18	<0.005	<0.2	1.49	6	<10	230	<0.5	<2	0.32	<0.5	8	49	30	2.88
E003363		0.28	<0.005	<0.2	1.74	11	<10	260	0.5	<2	0.45	<0.5	8	30	17	2.60
E003364		0.22	<0.005	0.2	0.89	11	<10	210	<0.5	<2	0.13	1.0	5	21	17	1.83
E003365		0.18	<0.005	<0.2	1.08	32	<10	270	<0.5	<2	0.44	<0.5	6	22	17	2.85
E003366		0.28	<0.005	<0.2	0.95	7	<10	110	<0.5	<2	0.21	<0.5	7	14	11	1.81
E003367		0.32	<0.005	<0.2	1.51	7	<10	160	<0.5	<2	0.26	<0.5	8	72	13	2.25
E003368		0.34	<0.005	<0.2	1.76	10	<10	230	<0.5	<2	0.32	<0.5	11	42	24	2.86
E003369		0.22	<0.005	<0.2	2.19	12	<10	170	<0.5	<2	0.10	<0.5	9	43	19	3.32
E003370		0.24	<0.005	0.3	1.53	3	<10	240	<0.5	<2	0.25	<0.5	15	29	20	2.53
E003371		0.24	<0.005	0.5	1.89	8	<10	140	<0.5	<2	0.09	<0.5	9	38	23	3.39
E003372		0.36	<0.005	<0.2	0.69	4	<10	110	<0.5	<2	0.10	<0.5	2	15	7	1.30
E004101		0.28	<0.005	0.2	2.03	7	<10	480	<0.5	<2	0.23	0.5	12	39	19	3.32
E004102		0.20	<0.005	0.5	1.30	13	<10	180	<0.5	<2	0.24	<0.5	5	22	11	2.30



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
E004207		<10	1	0.04	10	0.36	203	1	0.01	17	240	8	0.04	<2	3	16
E004208		10	1	0.03	10	0.31	205	2	0.02	12	230	8	0.01	<2	3	15
E004209		10	1	0.06	10	0.50	338	2	0.01	33	440	10	0.01	<2	4	19
E004210		<10	<1	<0.01	<10	0.01	<5	<1	0.01	<1	20	<2	0.01	<2	<1	1
E004211		10	1	0.06	10	0.40	432	1	0.01	22	670	7	0.01	<2	4	23
E004212		10	<1	0.05	<10	0.29	770	1	0.03	18	470	4	0.01	<2	2	16
E004213		10	<1	0.11	10	0.41	983	1	0.03	20	540	7	0.01	<2	3	23
E004214		10	<1	0.52	10	1.28	415	1	0.03	28	400	4	0.01	<2	5	19
E004215		10	<1	0.34	10	0.73	466	1	0.03	21	540	6	0.01	<2	3	20
E004216		10	1	0.18	10	0.52	383	1	0.02	19	230	8	0.01	<2	5	18
E004251		10	<1	0.03	<10	0.20	414	1	0.02	8	570	10	0.01	<2	1	10
E004252		<10	<1	0.05	10	0.28	490	1	0.02	10	370	5	0.01	<2	2	29
E004253		<10	1	0.06	10	0.34	800	1	0.02	11	290	7	0.01	<2	2	28
E004254		10	<1	0.12	10	0.69	233	1	0.02	34	220	6	0.01	<2	3	18
E004255		10	<1	0.09	10	0.35	898	1	0.03	12	450	8	0.01	<2	2	21
E003350		<10	<1	0.06	10	0.29	1030	1	0.02	13	430	7	0.02	<2	2	29
E003351		<10	<1	0.11	10	0.35	829	1	0.02	23	890	10	0.04	<2	2	26
E003352		<10	<1	0.03	<10	0.04	69	1	0.03	3	430	9	0.03	<2	<1	18
E003353		<10	<1	0.07	10	0.39	624	1	0.02	15	620	9	0.03	<2	3	19
E003354		<10	<1	0.03	10	0.24	740	2	0.02	15	390	10	0.01	<2	2	18
E003355		10	<1	0.11	10	0.43	1540	2	0.02	23	750	8	0.02	<2	3	20
E003356		10	1	0.08	<10	0.78	337	1	0.02	51	650	3	0.01	<2	3	18
E003357		10	<1	0.05	10	0.24	677	2	0.02	11	510	9	0.01	2	2	14
E003358		10	<1	0.04	10	0.30	341	3	0.01	29	390	10	0.01	<2	3	11
E003359		<10	<1	0.13	10	0.30	1465	1	0.02	19	960	9	0.02	<2	3	38
E003360																
E003361		10	<1	1.04	<10	1.54	1350	<1	0.03	24	1020	3	0.02	<2	5	25
E003362		10	<1	0.11	10	0.64	430	1	0.02	30	470	9	0.02	<2	3	17
E003363		<10	<1	0.04	10	0.39	294	1	0.02	18	380	7	0.02	<2	4	25
E003364		<10	<1	0.02	10	0.17	458	2	0.02	18	250	8	0.01	2	2	11
E003365		<10	<1	0.04	10	0.19	917	2	0.02	21	340	9	0.01	6	2	20
E003366		<10	<1	0.03	<10	0.27	142	1	0.02	8	210	5	0.01	<2	2	13
E003367		<10	<1	0.03	10	0.55	182	1	0.02	45	140	6	0.01	<2	3	17
E003368		10	<1	0.03	10	0.58	351	1	0.02	22	420	6	0.01	<2	4	26
E003369		10	1	0.02	10	0.45	235	1	0.02	26	190	8	0.01	<2	3	12
E003370		10	<1	0.06	10	0.41	1230	1	0.02	16	550	8	0.02	<2	2	18
E003371		10	<1	0.04	10	0.43	304	2	0.02	20	360	12	0.02	<2	3	11
E003372		10	<1	0.04	10	0.13	76	1	0.02	5	170	8	0.02	<2	1	10
E004101		<10	1	0.06	10	0.59	702	1	0.02	27	230	10	0.03	<2	3	21
E004102		10	<1	0.07	10	0.28	213	2	0.02	11	350	9	0.02	<2	2	16



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## CERTIFICATE OF ANALYSIS VA09111206

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
E004207		<20	0.05	<10	<10	62	<10	45
E004208		<20	0.08	<10	<10	75	<10	34
E004209		<20	0.09	<10	<10	91	<10	87
E004210		<20	<0.01	<10	<10	1	<10	3
E004211		<20	0.07	<10	<10	74	<10	69
E004212		<20	0.07	<10	<10	56	<10	46
E004213		<20	0.08	<10	<10	62	<10	51
E004214		<20	0.19	<10	<10	103	<10	105
E004215		<20	0.13	<10	<10	64	<10	74
E004216		<20	0.10	<10	<10	69	<10	46
E004251		<20	0.07	<10	<10	60	<10	42
E004252		<20	0.06	<10	<10	46	<10	46
E004253		<20	0.07	<10	<10	53	<10	44
E004254		<20	0.10	<10	<10	58	<10	60
E004255		<20	0.08	<10	<10	49	<10	70
E003350		<20	0.04	<10	<10	50	<10	45
E003351		<20	0.09	<10	<10	48	<10	58
E003352		<20	0.01	<10	<10	12	<10	13
E003353		<20	0.07	<10	<10	61	<10	58
E003354		<20	0.05	<10	<10	65	<10	62
E003355		<20	0.08	<10	<10	61	<10	44
E003356		<20	0.15	<10	<10	72	<10	52
E003357		<20	0.05	<10	<10	62	<10	80
E003358		<20	0.04	<10	<10	71	<10	71
E003359		<20	0.06	<10	<10	51	<10	152
E003360								
E003361		<20	0.27	<10	<10	82	<10	125
E003362		<20	0.08	<10	<10	72	<10	66
E003363		<20	0.05	<10	<10	58	<10	41
E003364		<20	0.04	<10	<10	57	<10	70
E003365		<20	0.04	<10	<10	61	<10	68
E003366		<20	0.02	<10	<10	41	<10	22
E003367		<20	0.07	<10	<10	56	<10	32
E003368		<20	0.12	<10	<10	71	<10	45
E003369		<20	0.09	<10	<10	77	<10	48
E003370		<20	0.10	<10	<10	61	<10	49
E003371		<20	0.10	<10	<10	81	<10	71
E003372		<20	0.08	<10	<10	43	<10	16
E004101		<20	0.09	<10	<10	85	<10	77
E004102		<20	0.06	<10	<10	60	<10	34



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VANCOUVER BC V6C 1G8

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Plus Appendix Pages  
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Project: HAO09-01

CERTIFICATE OF ANALYSIS	VA09111206
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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
E004103		0.32	<0.005	<0.2	1.56	9	<10	210	<0.5	<2	0.23	<0.5	7	23	13	2.37
E004104		0.22	<0.005	1.0	1.12	7	<10	420	<0.5	<2	0.28	3.8	5	23	18	1.95
E004105		0.24	<0.005	0.7	1.22	13	<10	820	<0.5	<2	1.97	0.6	11	31	41	2.19
E004106		0.24	<0.005	0.4	1.50	69	<10	1180	<0.5	<2	0.74	0.7	15	40	37	3.19
E004107		0.16	<0.005	0.4	0.67	9	<10	640	<0.5	<2	0.17	1.0	3	14	11	0.86
E004108		0.20	<0.005	0.2	0.94	8	<10	160	<0.5	<2	0.10	<0.5	3	16	12	1.89
E004109		0.42	<0.005	<0.2	2.12	11	<10	200	<0.5	<2	0.14	<0.5	9	38	19	3.42
E004110		0.28	<0.005	<0.2	1.73	9	<10	780	<0.5	<2	0.21	0.6	11	82	35	2.95
E004111		Not Recvd														
E004112		0.32	<0.005	0.3	1.68	6	<10	340	<0.5	<2	0.14	0.6	9	36	38	3.62
E004113		0.30	<0.005	<0.2	1.17	5	<10	100	<0.5	<2	0.07	<0.5	6	24	20	2.62
E004114		0.26	<0.005	<0.2	1.76	8	<10	150	<0.5	<2	0.12	<0.5	6	28	15	3.04
E004115		0.38	<0.005	<0.2	1.58	6	<10	240	<0.5	<2	0.23	0.6	8	29	43	3.32
E004116		0.30	<0.005	<0.2	1.27	7	<10	230	<0.5	<2	0.25	<0.5	6	21	13	2.52
E004117		0.38	<0.005	0.3	2.23	13	<10	280	<0.5	<2	0.16	<0.5	11	37	20	3.65
E004118		0.30	<0.005	<0.2	1.65	10	<10	260	<0.5	<2	0.15	<0.5	7	26	17	2.88
E004119		0.20	<0.005	<0.2	0.73	3	<10	140	<0.5	<2	0.10	<0.5	2	12	7	1.22
E004120		0.34	<0.005	0.3	1.27	6	<10	410	<0.5	<2	0.13	0.6	4	19	29	1.88
E004121		0.38	<0.005	0.2	1.26	7	<10	430	<0.5	<2	0.37	0.5	10	26	19	2.25
E004122		0.32	<0.005	<0.2	1.58	10	<10	490	<0.5	<2	0.41	<0.5	9	30	18	2.70
E004123		0.30	<0.005	<0.2	1.32	93	<10	470	<0.5	<2	0.29	0.5	9	24	19	2.42



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Project: HAO09-01

<b>CERTIFICATE OF ANALYSIS</b>	<b>VA09111206</b>
--------------------------------	-------------------

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
E004103		10	<1	0.04	10	0.35	177	1	0.02	13	270	7	0.02	<2	2	19
E004104		10	<1	0.06	10	0.29	224	2	0.02	18	410	6	0.02	<2	2	18
E004105		<10	1	0.04	20	0.42	600	1	0.03	28	780	8	0.07	<2	4	56
E004106		<10	<1	0.06	10	0.46	328	3	0.02	39	680	8	0.03	2	5	40
E004107		<10	<1	0.06	<10	0.14	404	1	0.02	6	260	7	0.01	<2	2	14
E004108		10	<1	0.03	10	0.14	122	2	0.02	7	360	7	0.01	<2	2	10
E004109		10	<1	0.05	10	0.49	174	1	0.01	22	280	8	0.02	<2	3	15
E004110		10	1	0.11	10	0.62	251	1	0.02	68	510	3	0.01	<2	4	17
E004111																
E004112		10	1	0.09	10	0.49	393	2	0.02	30	690	8	0.08	<2	4	18
E004113		10	<1	0.04	10	0.21	191	1	0.01	21	250	7	0.02	<2	2	11
E004114		10	1	0.03	10	0.34	202	1	0.01	17	250	7	0.01	<2	3	14
E004115		<10	1	0.08	10	0.38	454	1	0.01	35	540	8	0.01	<2	3	21
E004116		10	1	0.05	10	0.28	462	1	0.01	14	460	9	0.01	<2	2	18
E004117		10	1	0.05	10	0.42	278	1	0.01	23	570	9	0.01	<2	3	18
E004118		10	1	0.05	10	0.30	242	1	0.01	18	580	8	0.01	<2	2	16
E004119		<10	<1	0.04	10	0.13	119	<1	0.02	6	530	4	0.01	<2	1	13
E004120		<10	1	0.06	10	0.11	82	1	0.02	11	640	7	0.02	<2	1	19
E004121		<10	<1	0.05	10	0.28	450	1	0.02	16	320	5	0.01	<2	4	25
E004122		10	<1	0.05	10	0.40	434	1	0.02	20	330	9	0.01	<2	3	27
E004123		<10	<1	0.08	10	0.33	1080	1	0.02	19	500	8	0.02	<2	3	29





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Project: HAO09-01

## CERTIFICATE OF ANALYSIS VA09111206

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
		20	0.01	10	10	1	10	2
E004103		<20	0.06	<10	<10	57	<10	46
E004104		<20	0.06	<10	<10	57	<10	97
E004105		<20	0.04	<10	<10	48	<10	66
E004106		<20	0.05	<10	<10	71	<10	107
E004107		<20	0.03	<10	<10	26	<10	44
E004108		<20	0.07	<10	<10	53	<10	31
E004109		<20	0.09	<10	<10	71	<10	53
E004110		<20	0.13	<10	<10	71	<10	119
E004111								
E004112		<20	0.11	<10	<10	100	<10	95
E004113		<20	0.08	<10	<10	75	<10	41
E004114		<20	0.06	<10	<10	67	<10	50
E004115		<20	0.04	<10	<10	67	<10	105
E004116		<20	0.04	<10	<10	64	<10	51
E004117		<20	0.07	<10	<10	73	<10	52
E004118		<20	0.06	<10	<10	61	<10	46
E004119		<20	0.05	<10	<10	34	<10	26
E004120		<20	0.02	<10	<10	42	<10	29
E004121		<20	0.04	<10	<10	55	<10	37
E004122		<20	0.06	<10	<10	64	<10	48
E004123		<20	0.04	<10	<10	55	<10	55



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## CERTIFICATE OF ANALYSIS VA09111206

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.

**Appendix E: Quality Control / Quality**  
**Assurance**

## QUALITY CONTROL / QUALITY ASSURANCE

### I Chain of Custody

All samples were packed in rice sacks and sealed with uniquely-numbered non-resealable security straps. Rice sacks were flown to Dawson then trucked to Whitehorse. Samples were then shipped via Byers Transportation System Inc. to ALS Chemex Labs Ltd. in Terrace, British Columbia, an ISO 9001 registered laboratory. ALS Chemex reported that all bags were received in good condition, with all security straps intact, and with no evidence of tampering.

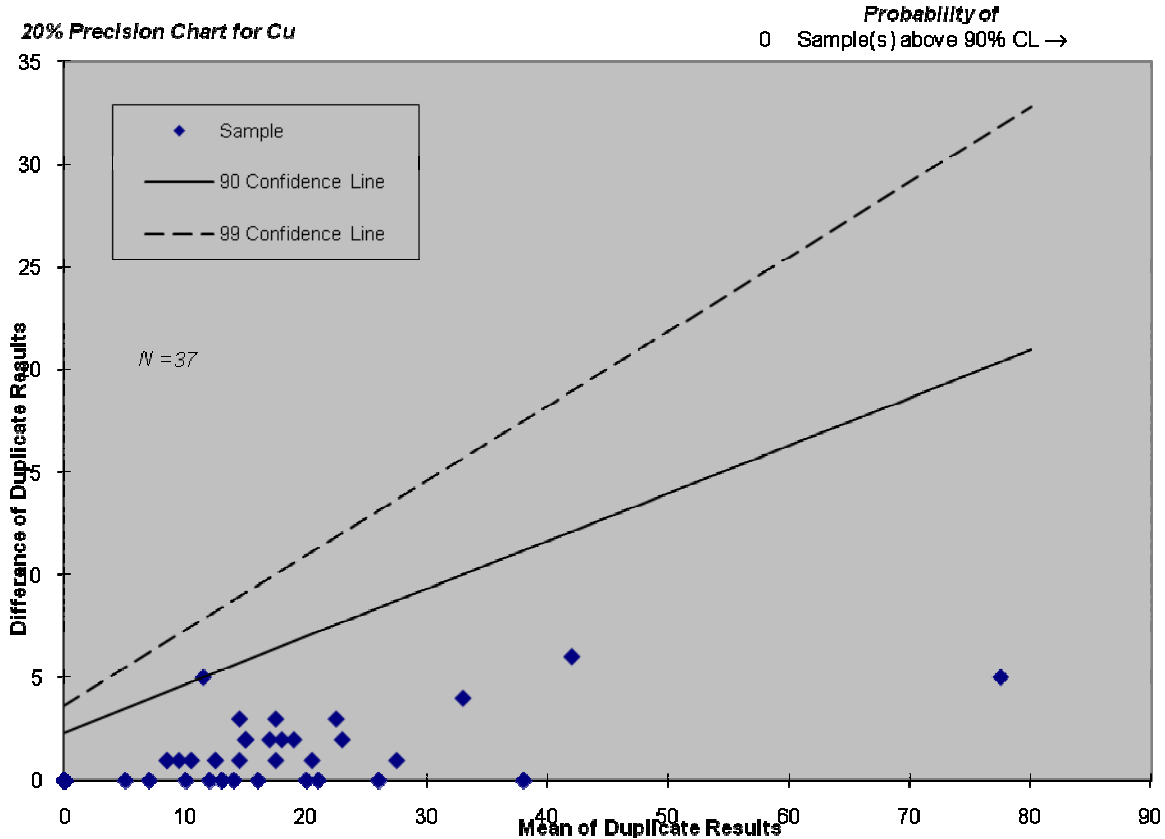
### II Blanks

Blanks are samples which are known to be barren of mineralization and are inserted into the sample stream in the field to determine whether contamination has occurred after sample collection. A total of 25 soil blanks were inserted into the sample sequence (approximately every 40<sup>th</sup> sample) and submitted for analysis. Blank material for the program comprised commercially available silica silt from the same company that supplies ALS Chemex Labs with their blank material. Low analytical values indicate no contamination within the lab and no tampering of the samples.

Sample	Au ppm	Ag ppm	As ppm	Cu ppm	Mo ppm	Pb ppm	Sb ppm	Zn ppm
E003010	<0.005	<0.2	<2	<1	<1	<2	<2	3
E003050	0.005	<0.2	<2	<1	<1	<2	2	2
E003090	0.007	<0.2	<2	<1	<1	<2	<2	3
E003130	<0.005	<0.2	<2	1	<1	<2	<2	2
E003170	<0.005	<0.2	3	<1	<1	<2	<2	2
E003250	<0.005	<0.2	<2	<1	<1	<2	<2	2
E003410	<0.005	<0.2	<2	<1	<1	<2	<2	2
E003450	<0.005	<0.2	<2	<1	<1	<2	<2	<2
E003490	<0.005	<0.2	<2	2	<1	3	<2	6
E003530	<0.005	<0.2	<2	<1	<1	2	<2	2
E003570	<0.005	<0.2	<2	<1	<1	<2	<2	3
E003650	<0.005	<0.2	<2	<1	<1	<2	<2	<2
E003690	<0.005	<0.2	<2	<1	<1	<2	<2	<2
E003730	<0.005	<0.2	<2	<1	<1	<2	<2	<2
E003770	0.005	<0.2	<2	<1	<1	<2	<2	2
E003810	<0.005	<0.2	<2	<1	<1	<2	<2	3
E003850	<0.005	<0.2	<2	<1	<1	<2	<2	2
E003890	<0.005	<0.2	<2	<1	<1	<2	<2	<2
E003930	<0.005	<0.2	<2	<1	<1	<2	<2	<2
E003970	<0.005	<0.2	<2	2	<1	2	<2	3
E004010	<0.005	<0.2	<2	<1	<1	<2	<2	<2
E004050	<0.005	<0.2	<2	<1	<1	<2	<2	2
E004170	<0.005	<0.2	<2	<1	<1	<2	<2	4
E004210	<0.005	<0.2	2	<1	<1	<2	<2	3
E004210	<0.005	<0.2	2	<1	<1	<2	<2	3

### III Field Duplicate Analysis

Field duplicates are collection and analysis of two separate samples from the same field location. They are used to measure the reproducibility of sampling, which includes both laboratory variation and sample variation. A total of 37 soil sample duplicates were collected during the 2009 program by collecting two samples from the same location. Results are generally good with 20% reproducibility for Au-Cu, 30% for Ag-Pb-Zn, 40% for Sb, and 60% for As-Mo.



The above graph shows an example for the reproducibility of Cu with all samples falling below the 90% confidence line for 20% precision.

### VI Conclusions

- There is no evidence of tampering with the samples between collection and the laboratory.
- Low analytical values for the blank material submitted indicate no contamination within the lab for soil samples.
- Field duplicate analysis show generally good reproducibility for the elements of interest.
- ALS Chemex carries out their own in-house laboratory QA/QC program, including blanks, duplicates and standards, and ensures that laboratory QA/QC is satisfactory prior to certifying their analyses.

**Appendix F: Compact Disc**

**Report text, geochemical databases, drafting and plot files, photographs**



**Appendix G: Geologist's Certificate**



GEOLOGIST'S CERTIFICATE

Neil W. Perk  
406-518 Beatty St.  
Vancouver, BC, Canada

I, Neil Perk, am a Project Geologist with Equity Exploration Consultants Ltd., with offices at Suite 700–700 West Pender Street in the City of Vancouver, B.C., in the Province of British Columbia.

I am a graduate of the University of Victoria (2006) with an Honours Bachelor of Science degree in Earth Science, and I have practiced my profession continuously since 2006.

Since 2006 I have been involved in mineral exploration for gold, silver, copper, lead and zinc, and uranium in Canada, Argentina, and Peru.

I am presently a Consulting Geologist and have been so since March 2007.

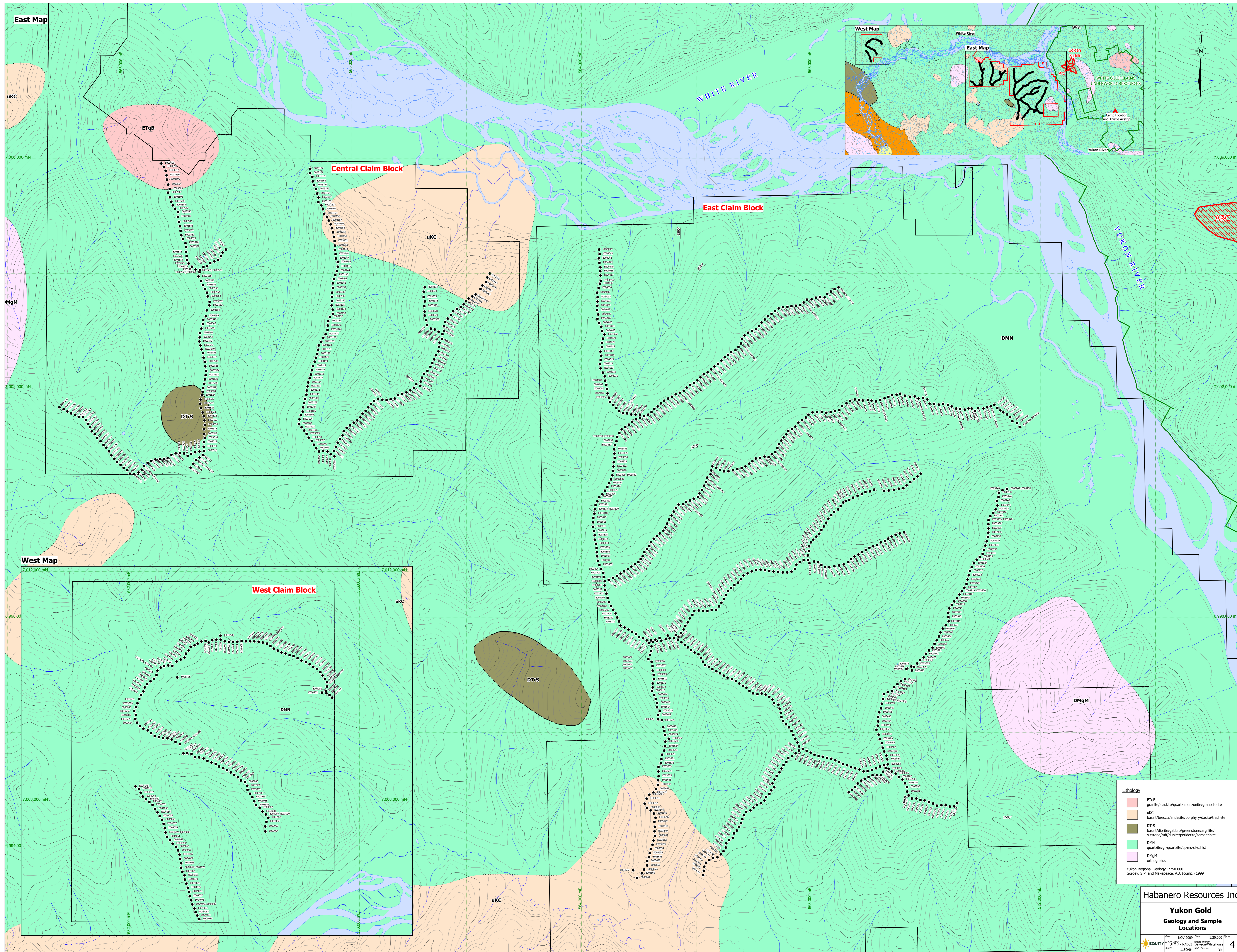
I supervised the September 2009 exploration program on the Yukon Gold property and have examined the property in the field.

Dated at Vancouver, British Columbia, this 9<sup>th</sup> day of December, 2009.

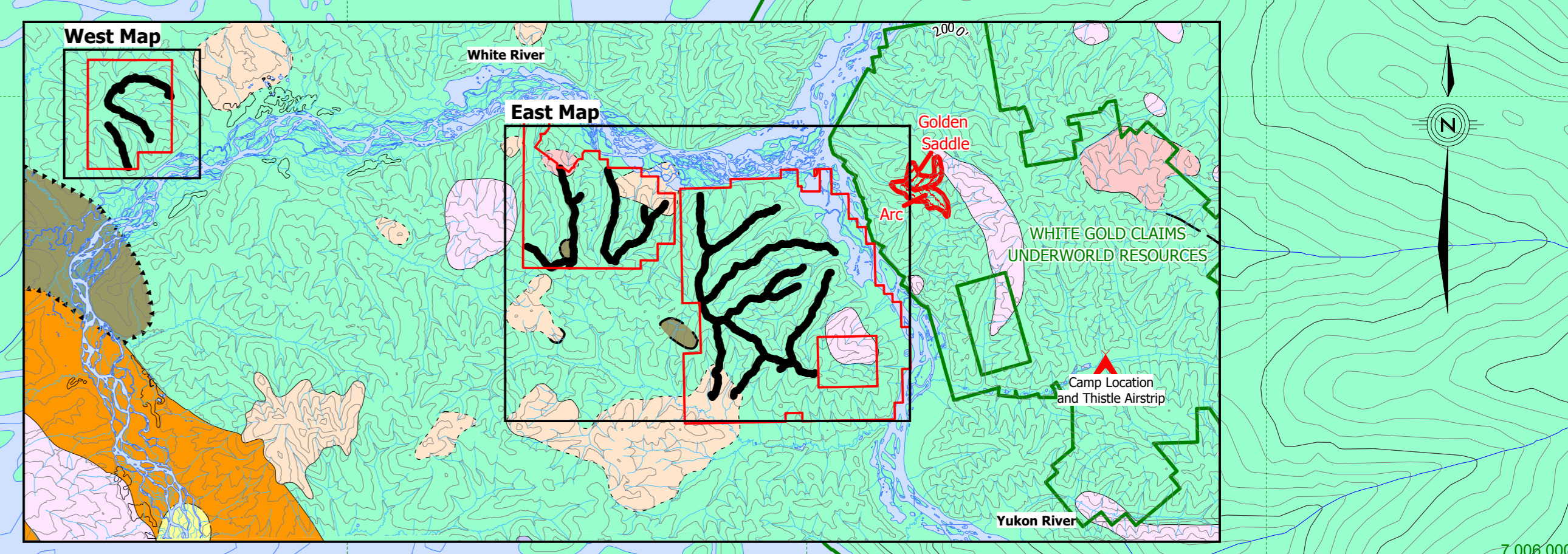
---

Neil Perk, B.Sc.

**Appendix H: Figures**



East Map



uKc

7,008,000 mN

MgM

7,002,000 mN

West Map

6,998,000

7,008,000 mN

6,994,000

7,008,000 mN

7,002,000 mN

6,998,000 mN

7,008,000 mN

6,994,000

**Lithology**

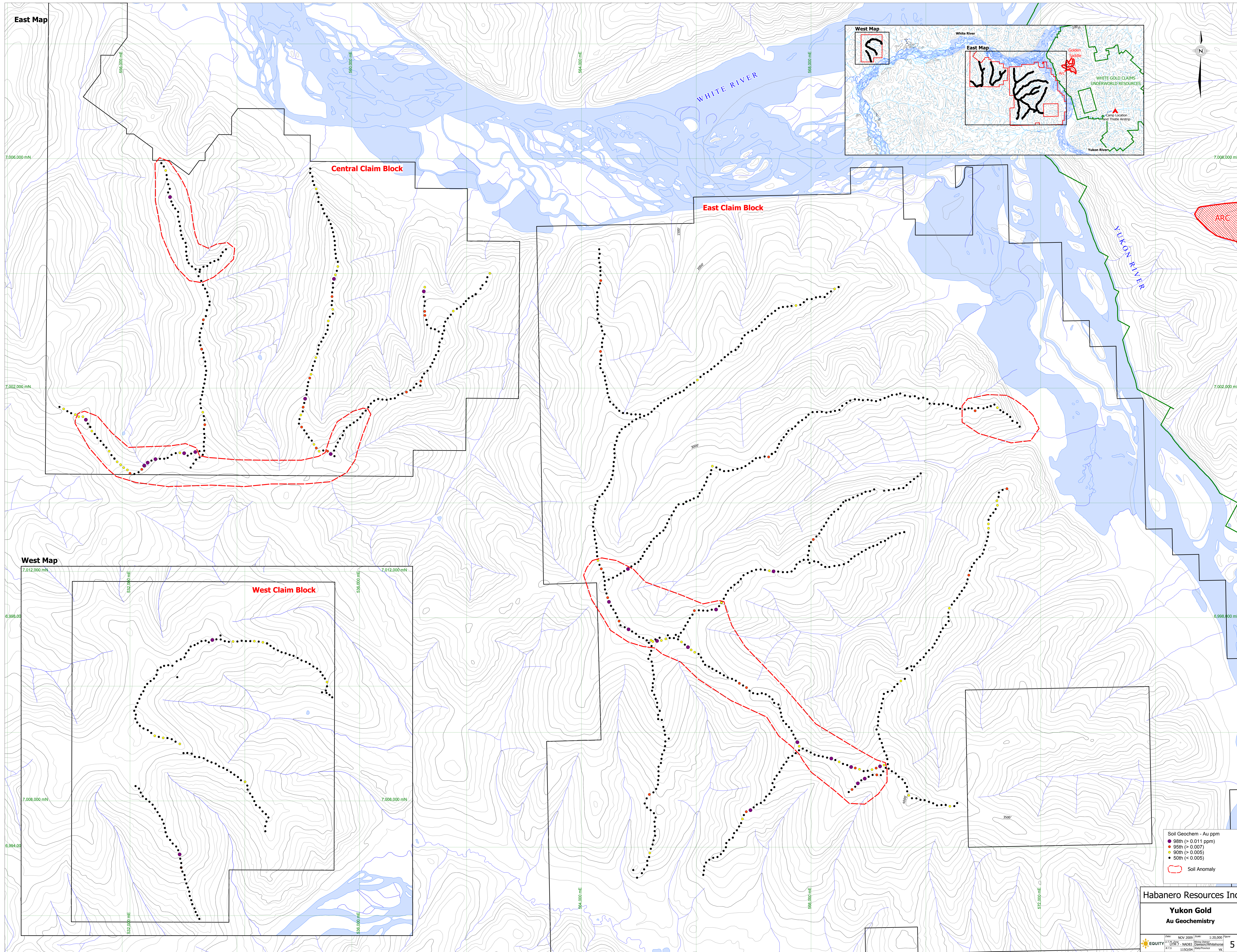
- ETqB granite/alkalic/quartz monzonite/granodiorite
- uKc basalt/breccia/andesite/porphyry/diáche/trachyte
- DTIS basalt/diorite/gabbro/greenstone/argillite/siltstone/tuff/dunite/pendotite/serpentine
- DMN quartzite/gr-quartzite/qz-ms-cl-schist
- DMGm orthogneiss

Yukon Regional Geology 1:250 000  
 Gordey, S.P. and Makepeace, A.J. (comp.) 1999

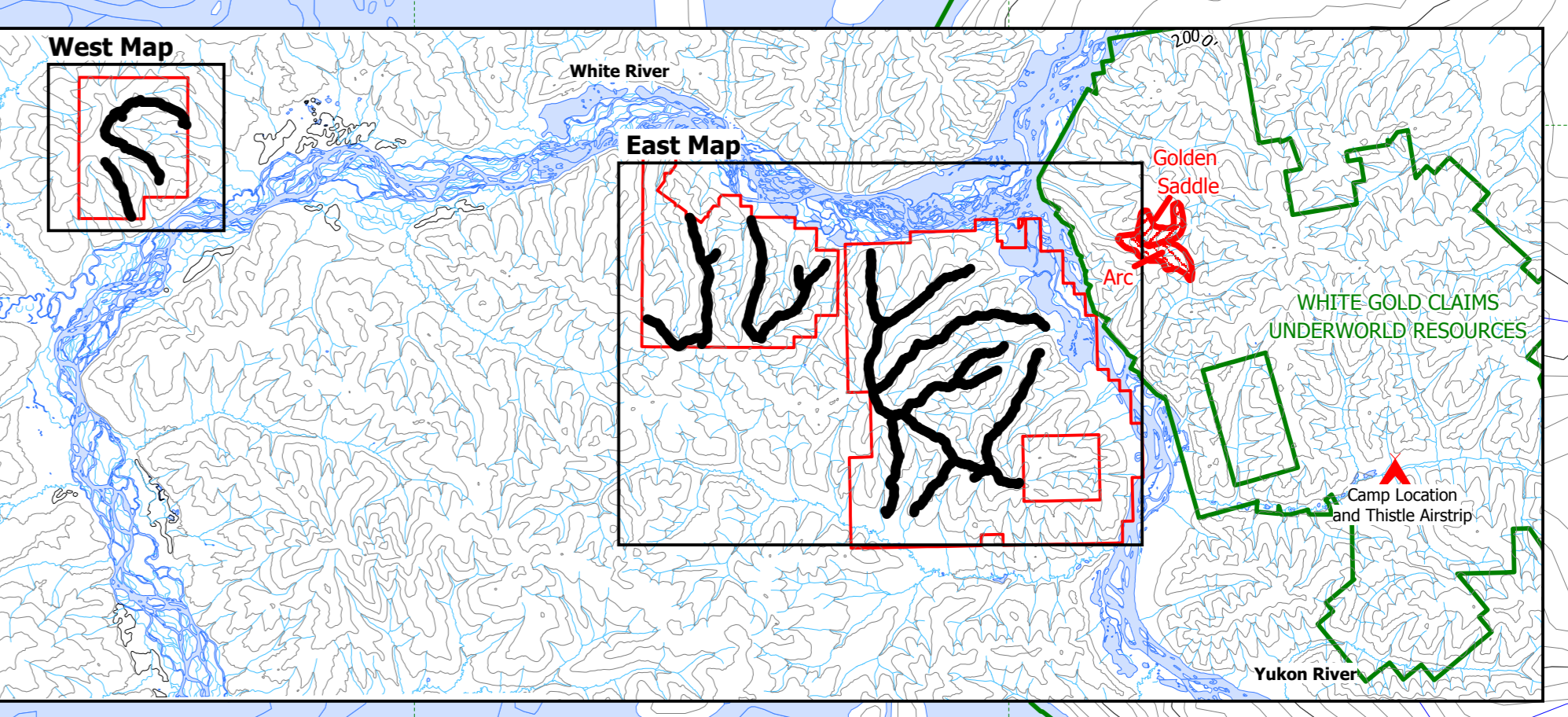
**Habanero Resources Inc.**

**Yukon Gold  
 Geology and Sample  
 Locations**

Date: NOV 2009 Scale: 1:20,000  
 EQUITY (FORM 7 - NAD83) Geology/Whitehorse  
 1150/04  
 4



East Map



Central Claim Block

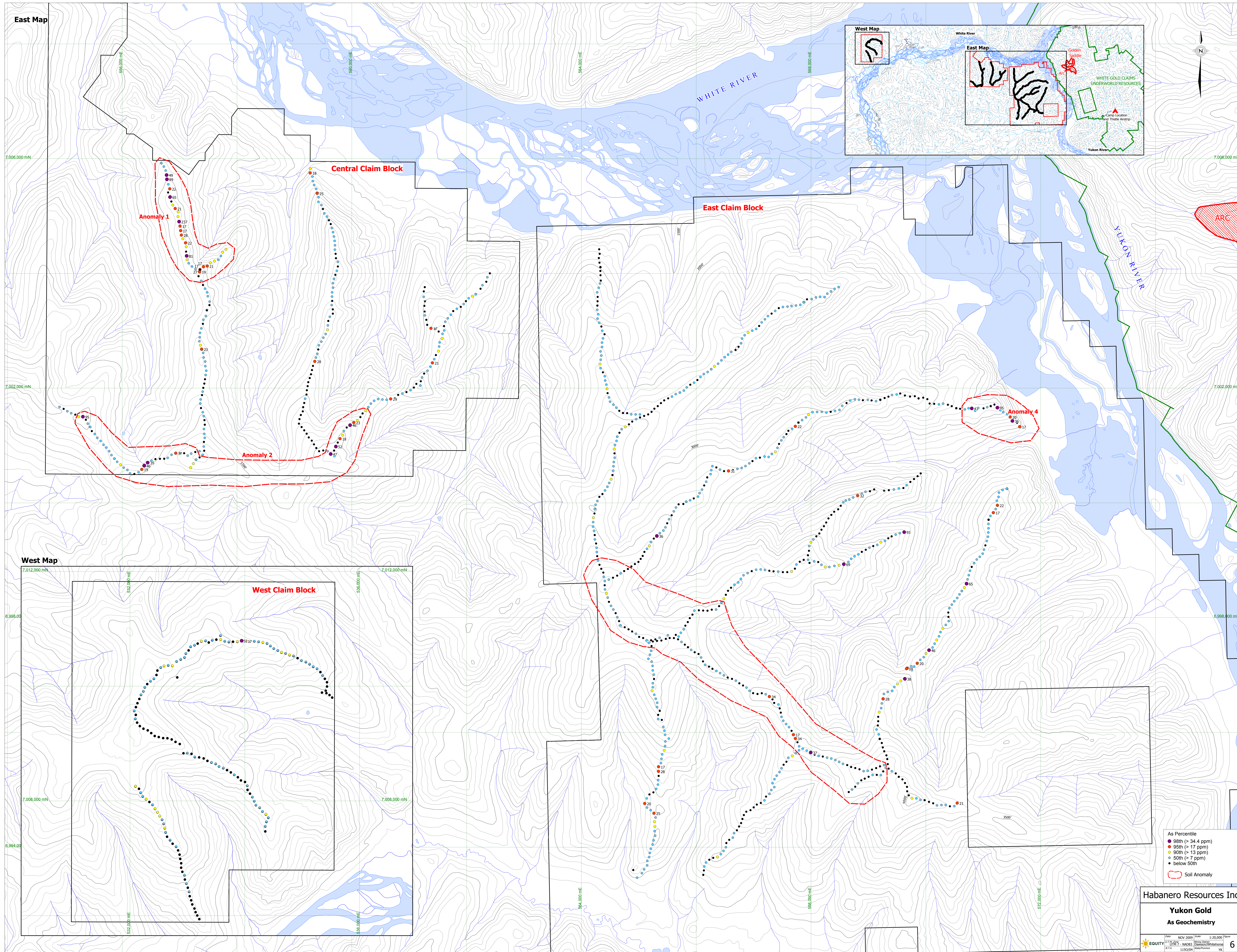
East Claim Block

West Claim Block

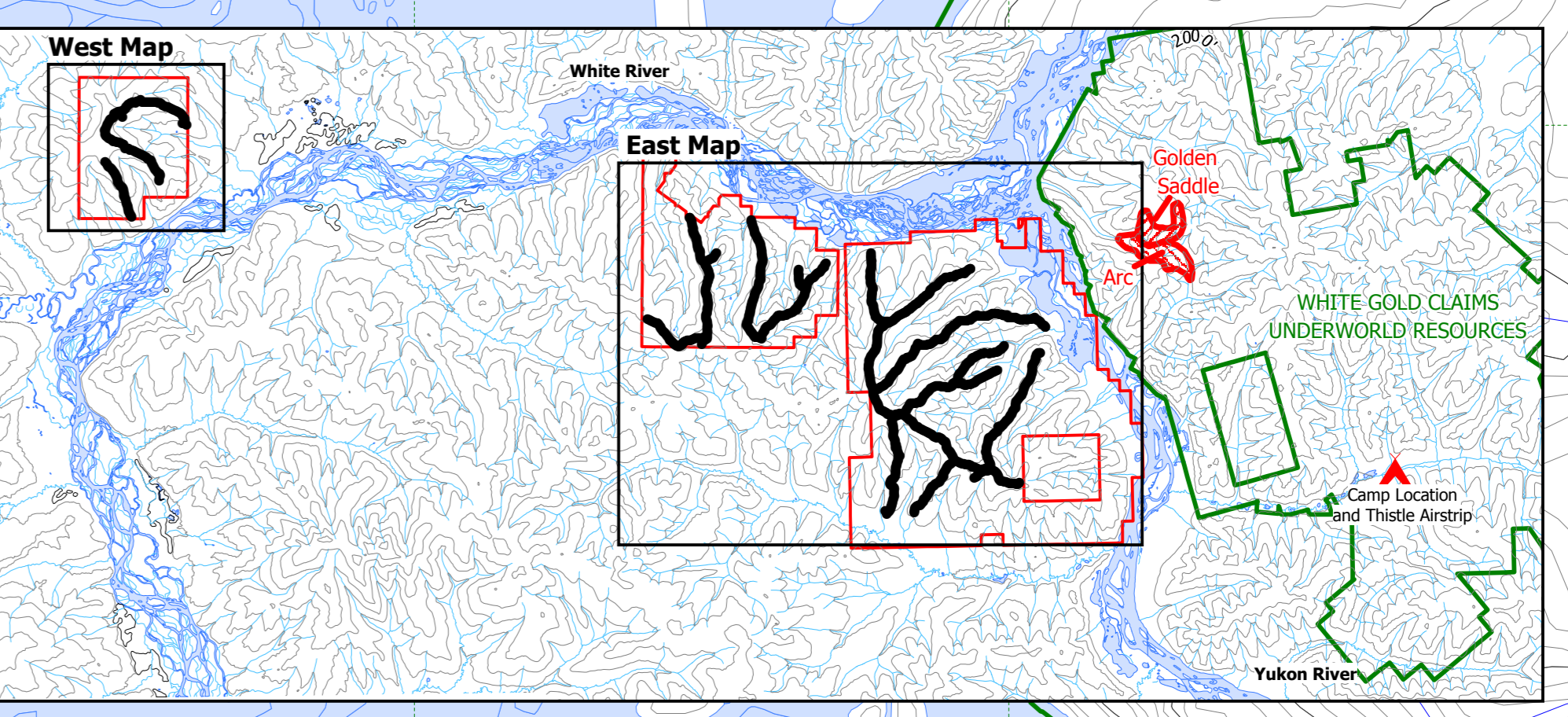
- Soil Geochem - Au ppm
- 98th (> 0.011 ppm)
- 95th (> 0.007)
- 90th (> 0.005)
- 50th (< 0.005)
- Soil Anomaly

Habanero Resources Inc.

Yukon Gold  
Au Geochemistry



East Map



Anomaly 1

Central Claim Block

East Claim Block

Anomaly 2

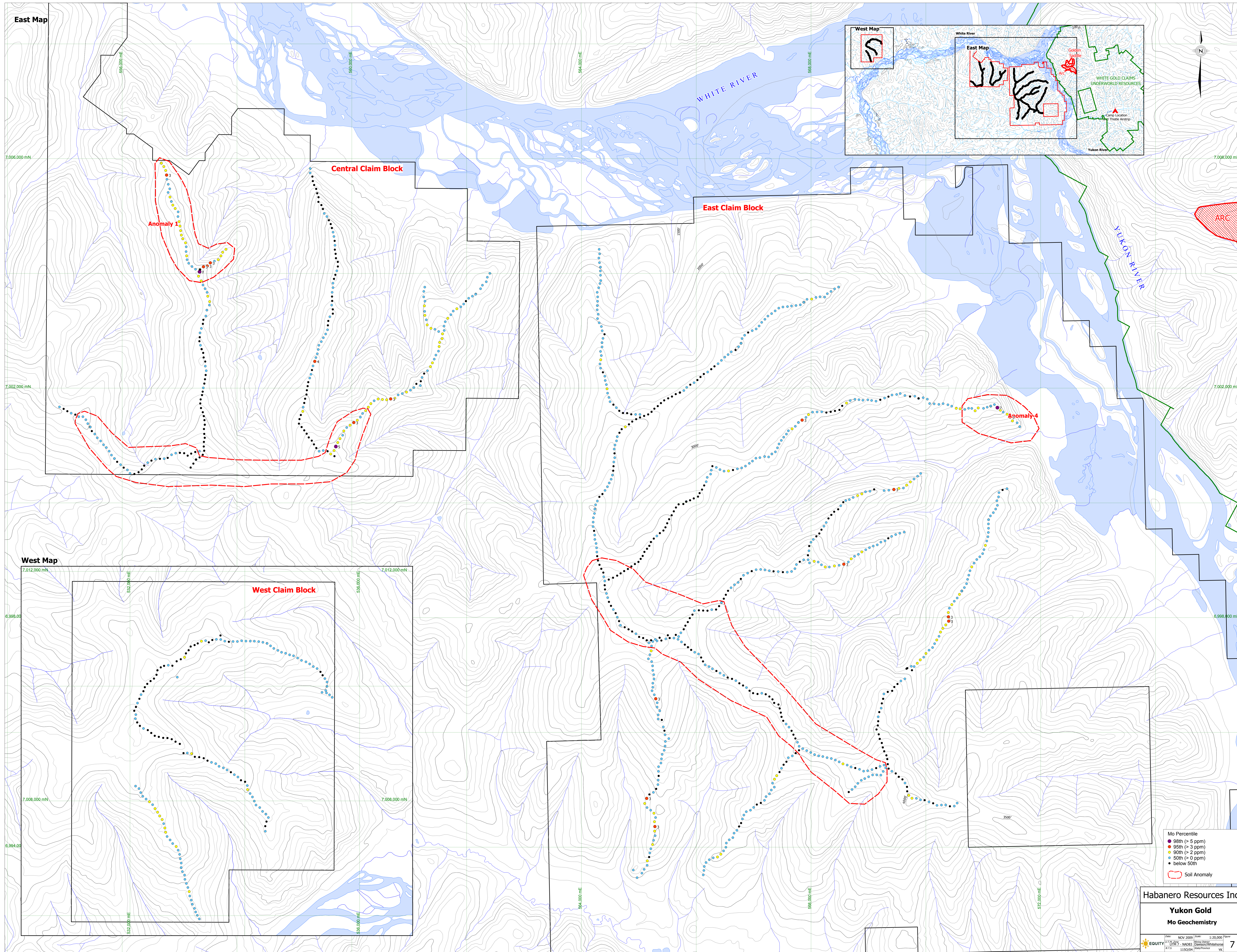
Anomaly 4

West Claim Block

- As Percentile
- 98th (> 34.4 ppm)
- 95th (> 17 ppm)
- 90th (> 13 ppm)
- 50th (> 7 ppm)
- below 50th
- Soil Anomaly

Habanero Resources Inc.

Yukon Gold  
As Geochemistry



East Map

West Map

East Map

Central Claim Block

East Claim Block

West Claim Block

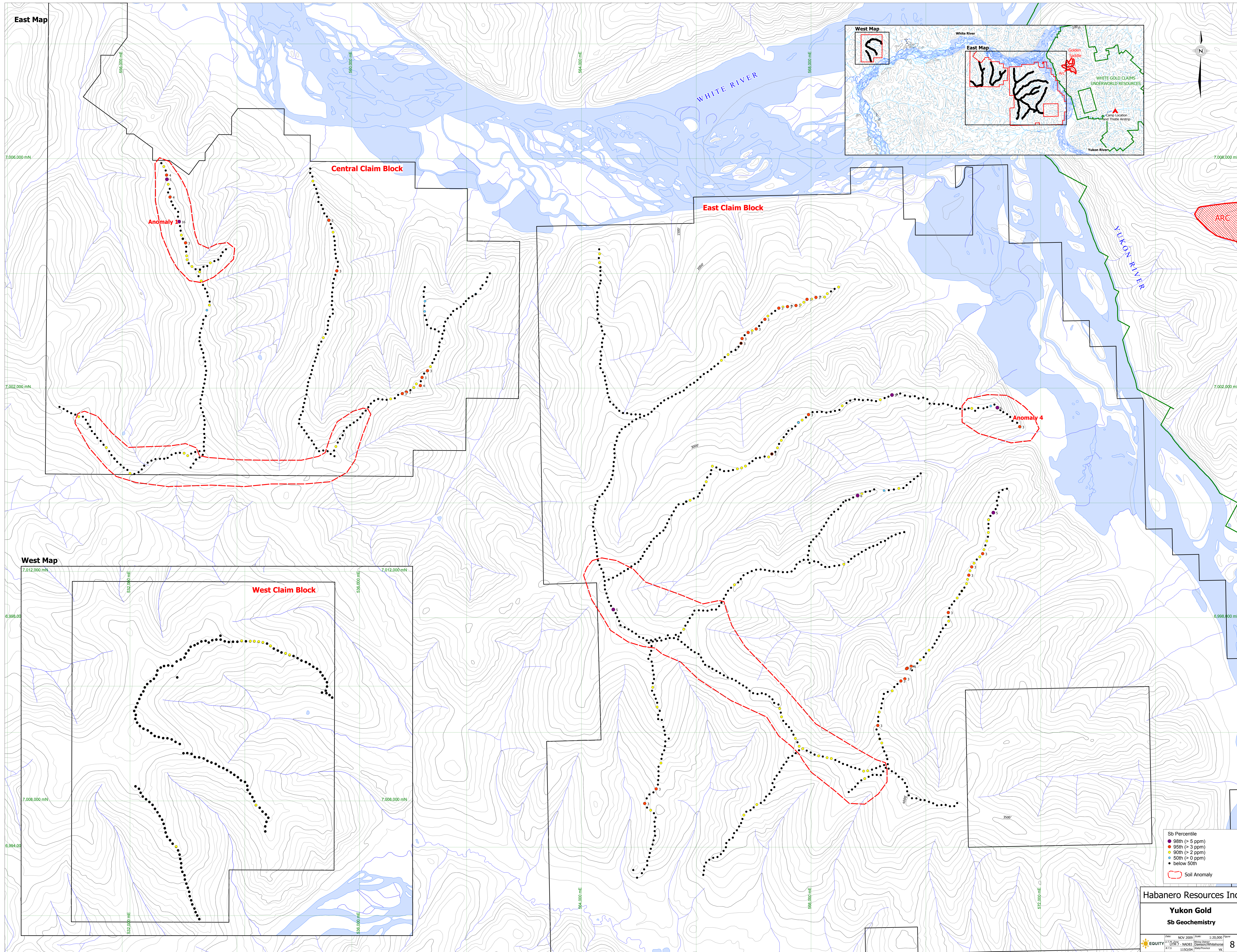
Anomaly 1

Anomaly 4

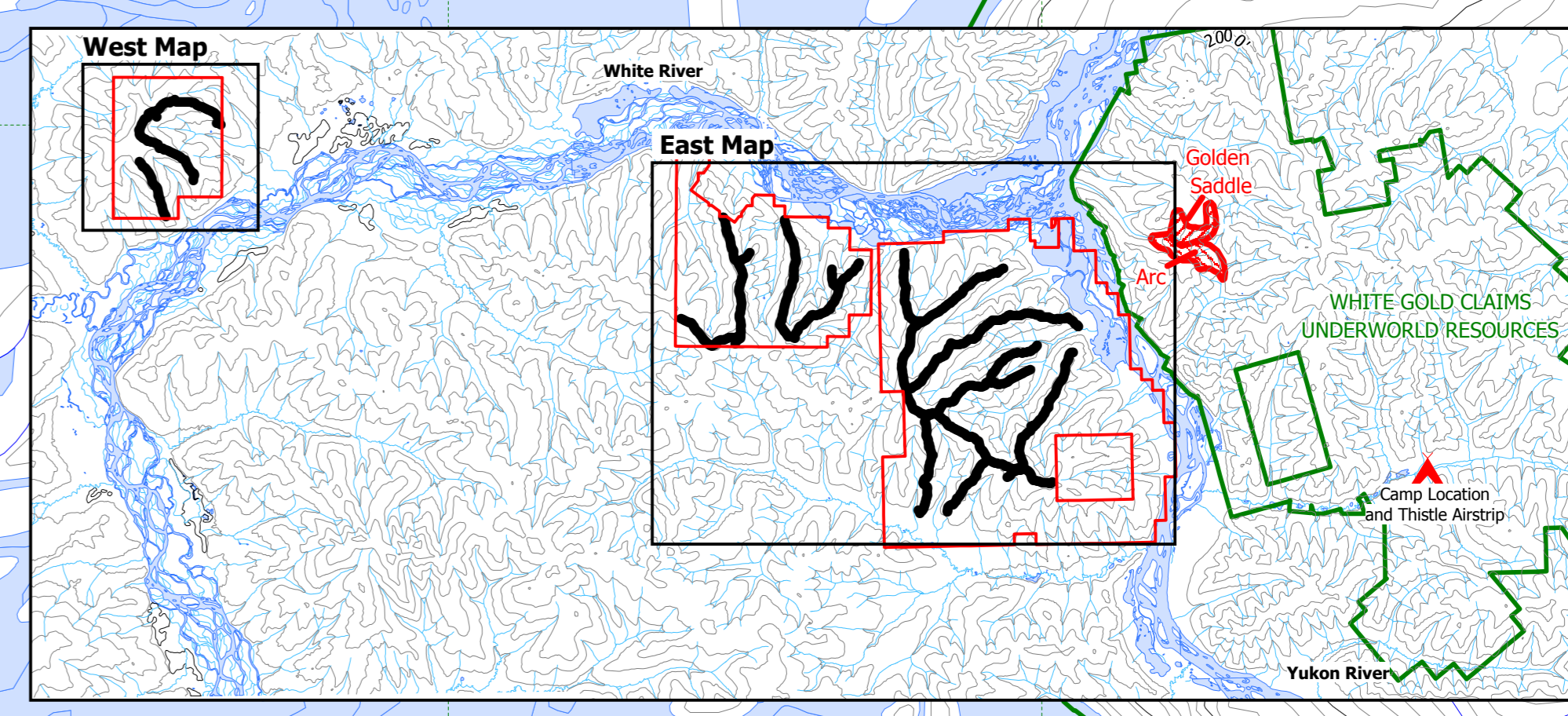
- Mo Percentile
- 98th (> 5 ppm)
- 95th (> 3 ppm)
- 90th (> 2 ppm)
- 50th (> 0 ppm)
- below 50th
- Soil Anomaly

Habanero Resources Inc.

Yukon Gold  
Mo Geochemistry



East Map



Anomaly 1

Central Claim Block

East Claim Block

Anomaly 4

ARC

West Map

West Claim Block

- Sb Percentile
- 98th (> 5 ppm)
- 95th (> 3 ppm)
- 90th (> 2 ppm)
- 50th (> 0 ppm)
- below 50th
- Soil Anomaly

Habano Resources Inc.

Yukon Gold  
Sb Geochemistry