GEOLOGICAL & GEOCHEMICAL REPORT ON THE 2009 YMIP-FUNDED EXPLORATION PROGRAM ON THE COBALT HILL PROPERTY

AHO 1 -20 (YC57784 – YC57800, YC67501 – YC67503)

NTS: 105M/15

Latitude: 63°59'N Longitude: 134°56'W

MINFILE # 105M 034

Mayo Mining District

Work Performed on September 9th to 12th 2009

For

Keno Hill Exploration Corp.
PO Box 15,
Keno City, Yukon
Y0B 1M0

Submitted By:
Lauren Blackburn, *B.Sc.*
Keno Hill Exploration Corp.
75 Walnut Cresent,
Whitehorse, Yukon
Y1A 5J3

March 30th, 2010

SUMMARY

In the summer of 2009 *Keno Hill Exploration Corp.* completed a YMIP-funded exploration program on the Cobalt Hill property located approximately 20 km northeast of Keno City on NTS map-sheet 105M/15. The AHO 1-20 claims were staked by Matthias Bindig on April 4th 2008 to cover MINFILE showing 105M 034 which was found during research on the Yukon Geological Survey's (*herein* YGS) MINFILE database. The program was completed from September 9th to 12th by Matthias Bindig (prospector) and Lauren Blackburn (geologist). A total of $11 545.23 was spent during the program. This program followed up on the 2008 exploration program which included locating mineralization, verifying the extent of trenching and collection of 5 rock samples.

The purpose of the program had six objectives: to establish mineralization styles, to complete detailed prospecting, reconnaissance mapping and geochemical soil sampling over and surrounding the main workings (quartz claims AHO 6, 8, 15 & 17), to collect samples of amphibolite with pyrrhotite mineralization from numerous localities on the property to send in for geochemical analysis and to map the known former access road. Typical polymetallic Keno-Hill style mineralization occurs as an extensive Ag-Pb-Zn ± Cu-vein trending ~330°; this vein was exposed by previously completed adit and trench-work and was located during the 2008 program.

In an attempt to better understand mineralization styles, three high-grade (galena ± anglesite) samples were collected from the main vein through detailed prospecting with the intent of establishing an association between mineralogy and textures with Ag-Pb-Zn ± Cu-grade. In total, 3 rock samples of high-grade galena ± anglesite were collected from the main vein and sent in for inductively coupled mass-spectrometry (ICP-MS) analysis and Au-fire assay at ACME Analytical Ltd. (Assay Certificate VAN09004668). The samples returned values ranging from 820 to 1855 g/t (23.78 – 53.80 oz/t) silver, ≤ 9.08% zinc and >10 000 ppm lead ranging from 49.49 to 81.81%. One sample of Mn-stained, vuggy vein rock with saddle dolomite ± galena was collected from the adit to test geochemistry outside of the high-grade zone. This sample reported 5.24% Zn and anomalous Ag (73.7 ppm) and Pb (>10 000 ppm).

Five samples of amphibolite ± pyrrhotite-chalcopyrite-pyrite-arsenopyrite were collected to analyze for Au. Samples returned Au values up to 10.5 ppb. In general, the amphibolite exposed at surface was not extensively skarnified and did not contain appreciable mineralization. Samples that reported anomalous Au were in general not associated with pyrrhotite mineralization but rather chalcopyrite ± pyrite mineralization. Two samples of psammite country rock and two quartz vein samples were collected and sent in for geochemical analysis. These three samples did not report appreciable mineralization.

AHO claims 6, 8, 15 and 17 were geologically mapped during the exploration program with the intent of better understanding possible vein displacement noted in 2008 and visible linear structures apparent on air photo (A21328-95). Seven trenches and one adit (completed sometime between 1949 and 1956) were geologically mapped during the program.

A total of 67 soil samples were collected using a 'Swede-pic' and sent in for 31-element ICP-MS and Au-fire assay at ACME Analytical Ltd. (Assay Certificate VAN09004666). The soil sampling grid was centered on the northern AHO claims around the known vein and trenches and extended to the south with the intension of highlighting the southern vein extension which appeared to be off-set by faulting. Samples reported values of up to 31.6 g/t Ag, 0.76% Pb (7614

ppm), 0.14% Zn (1422 ppm), 0.04% Cu (397 ppm) and 65.6 ppb Au. Cu and Zn soil geochemical anomalies may indicate vein displacement in the south where the vein was 'lost' (area around and south of Trench 7). These anomalies suggest dextral vein offset.

The old access road was mapped using a GPS during the program and is evident on air photos A21328-95 and A21328-96. The purpose of mapping this road was intended to verify the route in the event a road is re-established to the property. On January 7th 2009 quartz claims AHO 21 to 36 (*YD11271 – YD11282*) were staked by Monster Mining Corp. to cover the route of the old road.

Overall, this program was successful in completing the six objectives listed above. It is recommended that this work be followed up by a SC3DIP geophysical survey (3 initial test-lines over known mineralization), portable diamond drilling, prospecting to follow up soil sampling results, infill and extension of soil sampling and detailed mapping with focus on structural geology (to decipher whether the mineralization found is present as one vein that is locally dextrally off-set or is in fact multiple veins with roughly the same azimuth). Furthermore, the author recommends building/set-up of a small camp (1 permanent dry and 3 tear-down wall-tents) for ease of future work on the property and decreasing future helicopter mobe/de-mobe costs.

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1. INTRODUCTION

1.1 Underlying Agreements & Land Tenure

Matthias Bindig holds 100% interest in the AHO claims. No agreement(s) have been made to date known currently known by the author (refer to *Table 1. Claim Status*, below). The AHO 1-20 claims (*YC57784 – YC57800, YC67501 – YC67503*) are within the Mayo Mining District and comprise the 415 hectare Cobalt Hill Property. Presently, Monster Mining Corp. has first rights to optioning the Cobalt Hill Property.

Table 1. Claim Status

Grant Number	Claim Name	Claim Owner	Recording Date	Expiry Date
YC57784	Aho 1	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57785	Aho 2	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57786	Aho 3	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57787	Aho 4	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57788	Aho 5	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57789	Aho 6	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57790	Aho 7	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57791	Aho 8	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57792	Aho 9	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57793	Aho 10	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57794	Aho 11	Matthias Bindig - 100%	04/04/08	12/01/12
YC57795	Aho 12	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57796	Aho 13	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57797	Aho 14	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57798	Aho 15	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57799	Aho 16	Matthias Bindig - 100%.	04/04/08	12/01/12
YC57800	Aho 17	Matthias Bindig - 100%.	04/04/08	12/01/12
YC67501	Aho 18	Matthias Bindig - 100%.	04/04/08	12/01/12
YC67502	Aho 19	Matthias Bindig - 100%.	04/04/08	12/01/12
YC67503	Aho 20	Matthias Bindig - 100%.	04/04/08	12/01/12

1.2 Definitions & Units

The following are abbreviations used within this report:

- Distances are reported in meters (m), kilometres (km) and feet (ft).
- Geochemical data is reported in parts per million (ppm) the equivalent to grams per tonne (g/t) and ounces per tonne (oz/t).
- Mineralogical abbreviations include: anglesite (Ang), arsenopyrite (Apy), boulangerite (boul), bournonite (bour), chalcopyrite (Cpy), galena (Gal) jamesonite (Jam) and pyrrhotite (Pyrr).
- Elemental abbreviations include: silver (Ag), lead (Pb), copper (Cu), zinc (Zn), iron (Fe), manganese (Mn), arsenic (As), antimony (Sb) and gold (Au).
- Drilling abbreviations include: diamond drill hole (DDH) and rotary air-blast (RAB)
- Directional units include: north (N), east (E), south (S), west (W) and may be used in combination (*i.e.*, NNE for north-northeast).

1.3 Sources of Information

Sources of information include but are not limited to:

- Assessment Reports;
- Internal data (geological, structural, geochemical and geophysical);
- Yukon MINFILE; and
- Geological reports and maps from the Geological Survey of Canada (GSC) and Yukon Geological Survey (YGS).

2. PROPERTY LOCATION AND DESCRIPTION

2.1 Location and Access

The occurrence area is situated on the north slopes of Cobalt Hill south of the Keno-Ladue River on NTS map sheet 105M/15. The Cobalt Hill Property is located within the Mayo Mining District, 20 km northeast of Keno City which is 465 km by road to Whitehorse. The prospect is centered at 63° 59' 18.7" North Latitude, 134° 56' 54.0" West Longitude*. Please refer to *Figure 1. Location Map* and *Figure 2. Cobalt Hill Property Map*, on following pages.

The prospect is currently accessible by helicopter from Mayo airport 95 km SSW of the property, or by all-terrane vehicle (ATV) from Keno City. An old access road goes straight to the property but would need CAT work prior to use, however, this road has been re-established most of the way by Yukon Gold Corp. for access to the VMS Marg property (MINFILE 106D 009). If the target proves that is has development potential the original access route could be developed to extend the remaining distance to the property.

2.2 Physiography & Climate

The AHO 1-20 claims are located on the north end of Cobalt Hill, roughly due south of the Keno-Ladue River and northeast of Keno City. The northern-most claims cover a steep NNW-facing slope and the remainder of the claims are gently sloping roughly to the south as rolling hills that are sparsely to densely covered in foliage (primarily dwarf birch, willow, small coniferous trees and a diverse range of mosses and lichens). One distinctive incised valley present on the property has a creek which flows to the NNW and likely represents a discrete structural feature (presumed to be a fault). The climate in this area range from -40 to +30°C with relatively minimal precipitation.

3. PROPERTY HISTORY

The Cobalt Hill property history dates back to the early 1920s when the Keno Hill area was extensively staked. Work has occurred continuously on the claims less a short period of time during the 1930s and from the late 1970s to present. The property history summarized in *Table 2.* (refer page 10) is based primarily on the YGS's MINFILE capsule 105M 034 (Deklerk and Traynor (*compilers*), 2008).

**The location posted on the YGS MINFILE database is incorrectly placed by 1.5 – 2.0 km to the west.*

100000 0 100000
(meters)

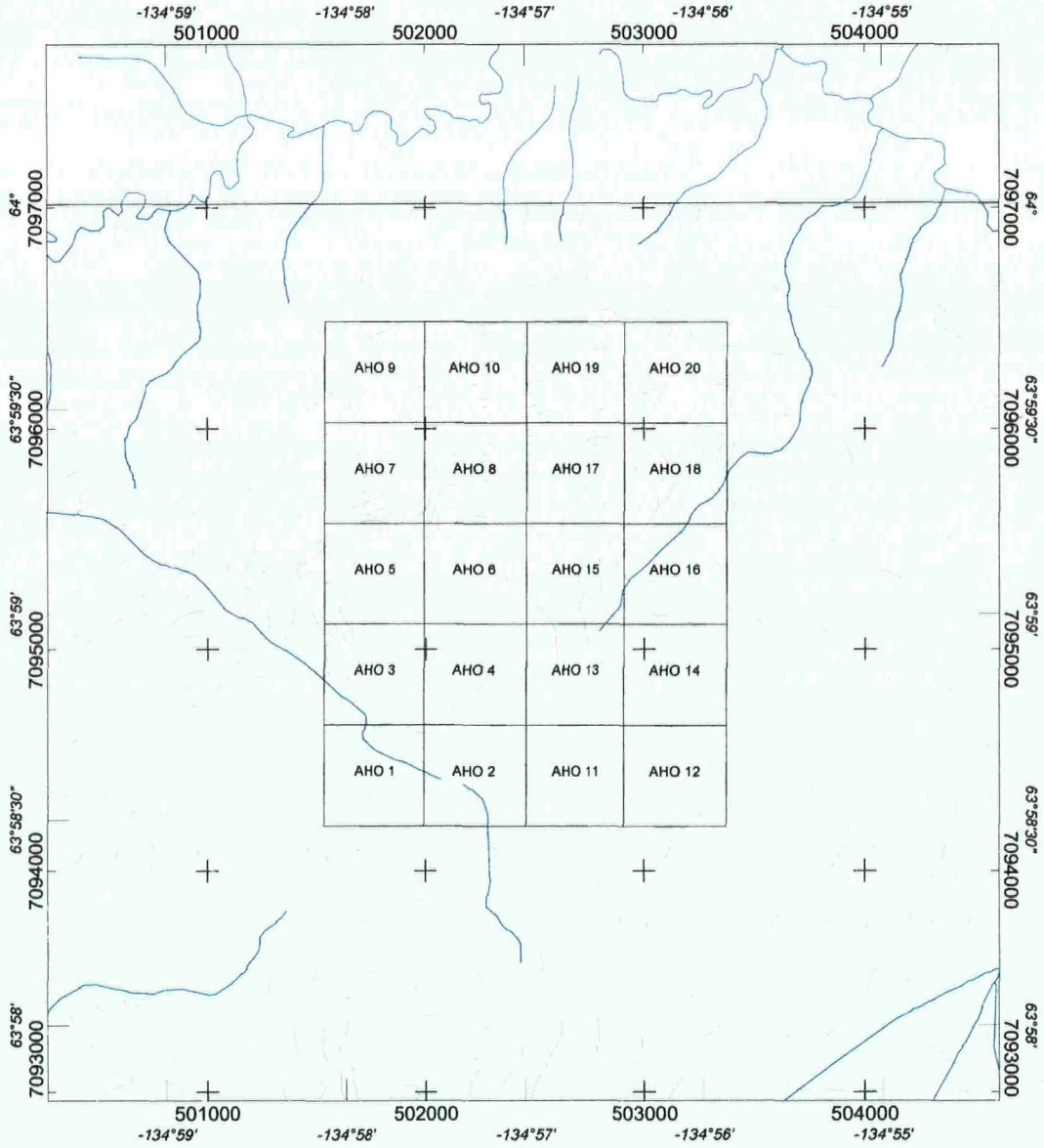
Monster Mining Corp.

Cobalt Hill- 2009 Exploration Program
Figure 1. Location Map

NTS Map-sheet- 105M/15
Datum- NAD83
Drafted by- L.R. Blackburn

Mining District- Mayo
UTM- Zone 8N
Date- January 13th 2010

Keno Hill Exploration Corp.



Scale

250 0 250 500 750 1000 1250

(meters)

Keno Hill Exploration Corp. / Monster Mining Corp.

Cobalt Hill - 2008 Exploration Program
Figure 2. Cobalt Hill Property Map

NTS Map-sheet- 105M/15
Datum- NAD83
Drafted by- L.R. Blackburn

Mining District: Mayp
UTM- Zone 8N
Date- January 13th 2010

Keno Hill Exploration Corp.

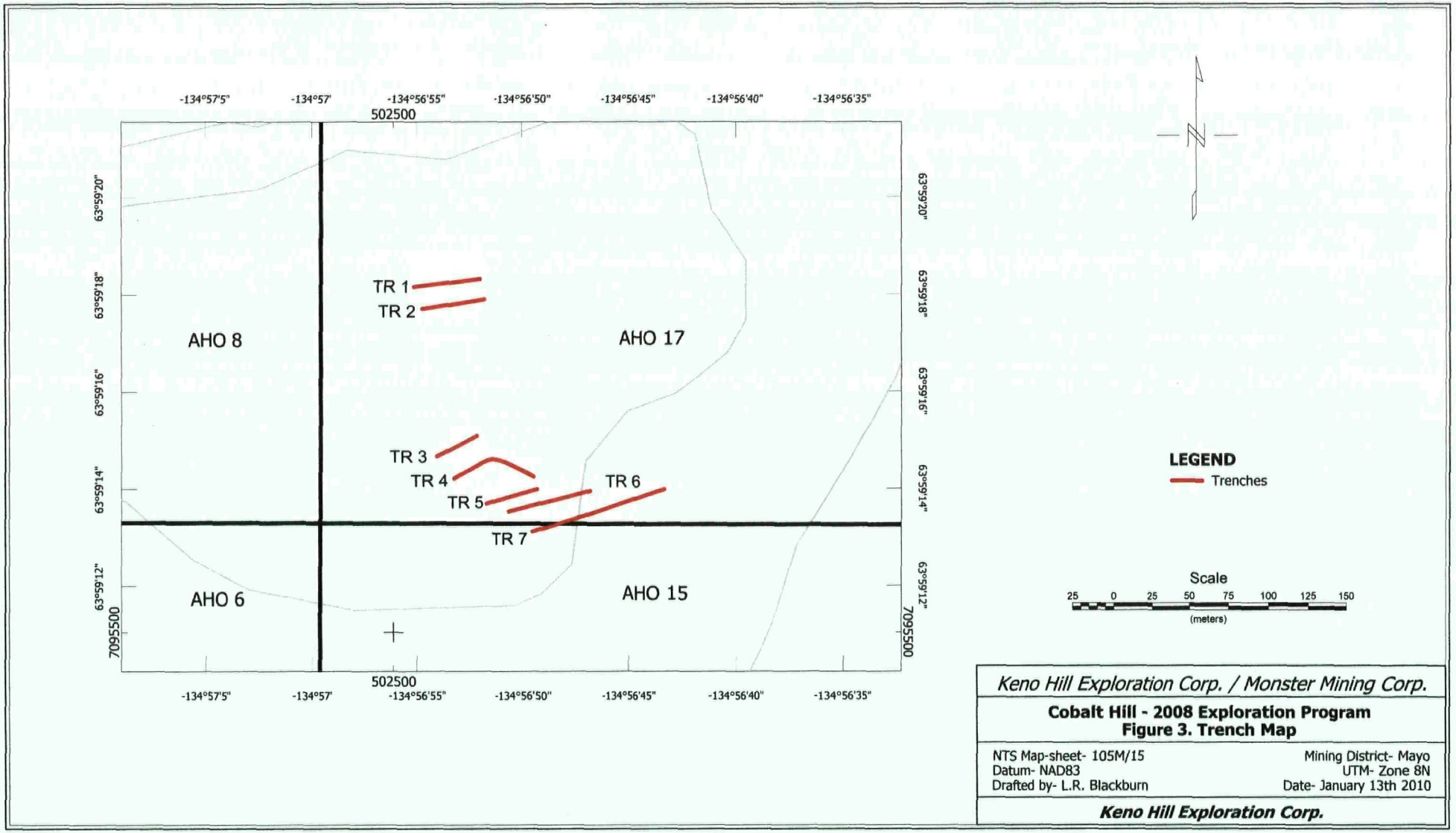
Table 2. Property History*

1922	Originally staked as Eliza Jane (*etc.*) by J. McDonald, D. McLean and W.H. Forbes (*14741*)
1926	Re-staked by H. Sutherland as Wick (*16212*)
1942	Re-staked as Ladue (*56439*) by E.W. Runner and C. Brefalt, sold to Fred Taylor.
1949	Fred Taylor ships out 4.5 tonnes of ore to the United Keno Hill mill (in 1948, Willie Winkile claims were tied onto the property by T.J. O'Neill and sold to a Noranda subsidiary (Mayo ML) and transferred to Maybrun ML in 1953; Barnaby Rudge and Alba Madonna claims were staked J. Cox in 1948 and were later sold to Yukeno Lead and Silver ML in 1949).
1949-56	Fred Taylor continues to trench on the property (In 1950 the PJ claims are staked by Yukon E and Dev. CL).
1960-67	Restaked at Tyro (*80435*) in 1960 by Conwest, Rico (*81212*) in 1962 by Rio Plata Silver ML, Pax (*83528*) in 1964 by Fred Taylor. The Pax claims were tied onto by the R claims (*84344*) by United Keno Hill in 1965. From 1964-67 the Pax group was explored by Fred Taylor by hand trenching and option in 1968 to Silver Christal ML (who continued trenching over the year). United Keno Hill carried out a soil sampling survey in 1965 (author has not been able to locate the resulting data). A 12.2m adit was driven into a vein on the property by C. Brefalt sometime in 1947 to 1948.
1974-76	Restaked as Max (*88726*) in 1974 by R. Grant, Silver (*YA1348*) in 19975 by Strebchuk and in 1976 the Cobalt Hill No. 1 claim was tied on by W. Malicky. All of the claims were subsequently transferred to Julian Mg Corp in 1985.
April 4th 2008	AHO 1-20 (*YC57784 – YC57800, YC67501 – YC67503*) claims are staked by Matthias Bindig.
August 31st 2008	Matthias Bindig and Lauren Blackburn map trenches and collect 5 vein (rock) samples on quartz claim AHO 17 (*YC57800*).

**Please refer to Section Appendix for MINFILE capsule 105M 034.*

In 2008, M. Bindig and L. Blackburn spent a half a day on the property mapping/verifying trench locations and collecting vein samples.

During the 2009 YMIP-funded exploration program, M. Bindig and L. Blackburn mapped the trenches via GPS (see following page for *Figure 3. Trench Map*). In an attempt to better understand mineralization styles, three high-grade (galena ± anglesite) samples were collected from the main vein during the 2009 program with the intent of establishing an association between mineralogy and textures with Ag-Pb-Zn ± Cu-grade. Five samples of amphibolite ± pyrrhotite-chalcopyrite-pyrite-arsenopyrite were collected to analyze for Au. Two samples of psammite country rock and two quartz vein samples were collected from the trenches. All of the above rock samples were sent in for geochemical analysis. AHO claims 6, 8, 15 and 17 were geologically mapped during the 2009 exploration program with the intent of better understanding possible vein displacement noted in 2008 and visible linear structures apparent on air photo (A21328-95). Seven trenches and one adit (completed sometime between 1949 and 1956) were geologically mapped during the program. Furthermore, a total of 67 soil samples were collected on a grid centered on the northern AHO claims around the known vein and trenches and extended to the south with the intension of highlighting the southern vein extension which appeared to be off-set by faulting. Lastly, The old access road was mapped using a GPS during the program and is evident on air photos A21328-95 and A21328-96. The purpose of mapping this road was intended to verify the route in the event a road is re-established to the property.



Keno Hill Exploration Corp. / Monster Mining Corp.

Cobalt Hill - 2008 Exploration Program
Figure 3. Trench Map

NTS Map-sheet- 105M/15
Datum- NAD83
Drafted by- L.R. Blackburn

Mining District- Mayo
UTM- Zone 8N
Date- January 13th 2010

Keno Hill Exploration Corp.

4. GEOLOGIC SETTING

4.1 Regional Geology

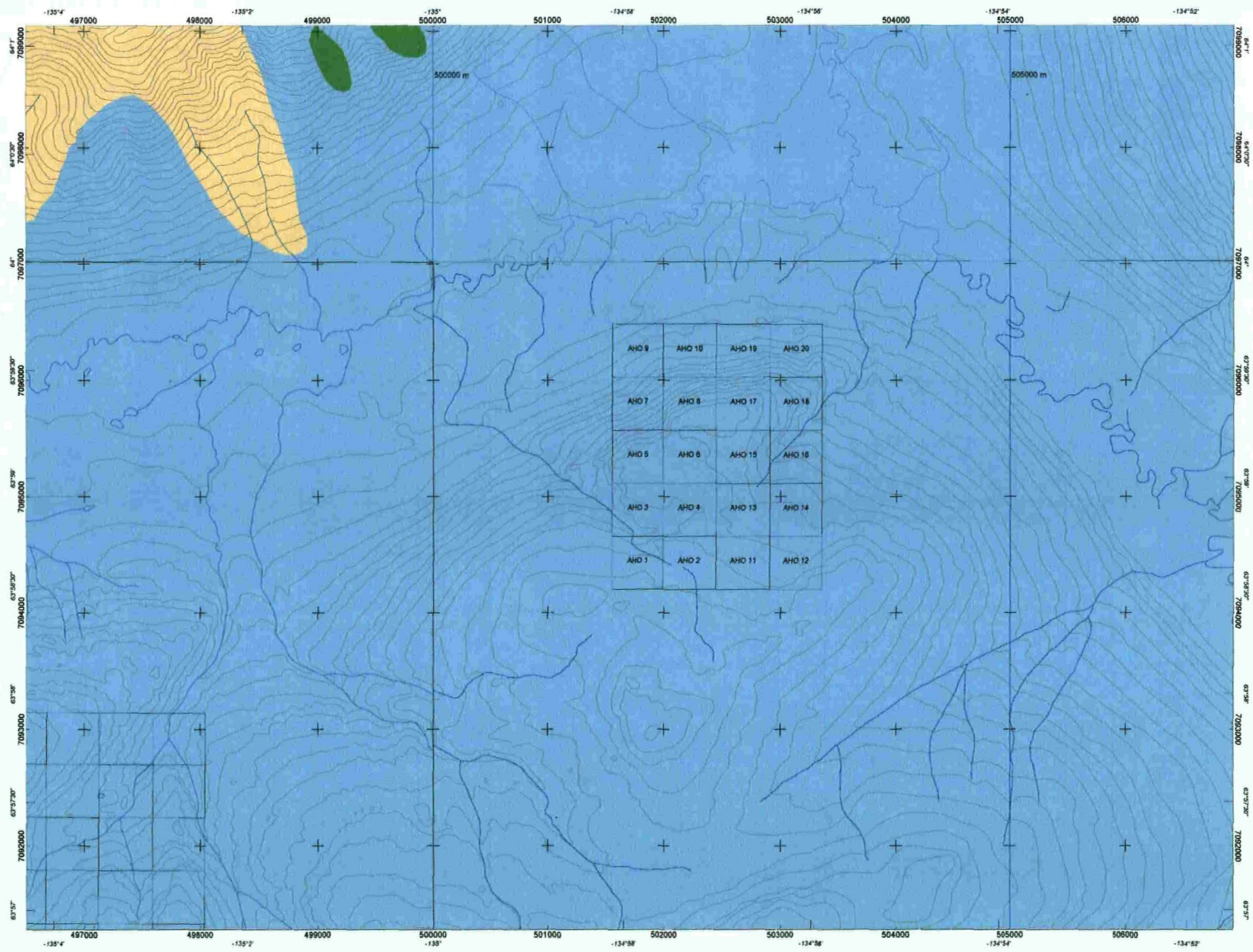
The prospect is located on the 1:250 000-scale Mayo (105M) map-sheet and 1:50 000-scale map sheet 105M/15. The most recent mapping of the area was 1:250 000-scale and was completed in 1992 by C.F. Roots and D.C. Murphy (Geology of the Mayo Map Area, Bulletin 7; see *Table 3. Regional Geological Units* below).

The claims are situated on the north-eastern side of the Tintina Trench within the north-western Ominieca Belt in a band of regional-scale thrust faults—the Robert Service, Dawson and Tombstone Thrusts imbricate rocks of the Selwyn Basin and MacKenzie Platform (Blackburn, 2010). The Cobalt Hill prospect is situated within the pericratonic Selwyn Basin on the cratonic margin with Ancestral North America (see following page for *Figure 4. Regional Geology*). Selwyn Basin comprises an offshelf continental margin, deep-water shales and clastic wedges forming a basin bounded by platform carbonates to the northeast, the Tintina fault truncates the basin to the southwest (Pigage, 2006). The Aho claims are within the Robert Service Thrust sheet which occurs between grey quartzite and carbonaceous phyllite of the Keno Hill Quartzite and the muscovite-chlorite phyllite and gritty psammite of the Hyland Group (Roots, 1997).

Table 3. Regional Geological Units (Gordey, S.P. and Makepeace, A.J. (*compilers*), 2003)

Unit	*Age*	*Rock Type*
Hyland Group (PCH)	Upper Proterozoic to Lower Cambrian	Greenschist facies metamorphosed coarse turbiditic clastic rocks, limestone and fine clastic rocks; characteristic maroon to green shales and mafic volcanic rocks.
Earn Group (DME)	Devonian to Mississippian	Graphitic shale, chert, siltstone, sandstone, greywacke and conglomerate; minor felsic to intermediate volcanic rocks.
Galena Suite (TrG)	Triassic	Massive, medium-grained hornblende diorite and gabbro sills; massive chloritic and locally serpentinized greenstone (diorite, gabbro, and altered equivalents) sills.

The Hyland Group and Earn Group together form the Dawson Range Mineral Belt (formally known as the Dawson Thrust Sheet) which is bound by the Dawson Thrust to the NW and the Tombstone Thrust to the SW. In the Keno district, the Keno Hill Quartzite (Early Carboniferous) hosts the 'blow-outs' of polymetallic Ag-Pb-Zn ± Au veins and is extensively exposed within the Dawson Thrust Sheet.



Keno Hill Exploration Corp. / Monster Mining Corp.

Cobalt Hill - 2009 Exploration Program
Figure 4. Regional Geology

NTS Map-sheet: 105M/15 — Mining District: Mayo
Datum: NAD 83 — UTM: Zone 8N
Drafted By: L.R. Blackburn — Date: January 13th 2010

Keno Hill Exploration Corp.

4.2 Property Geology

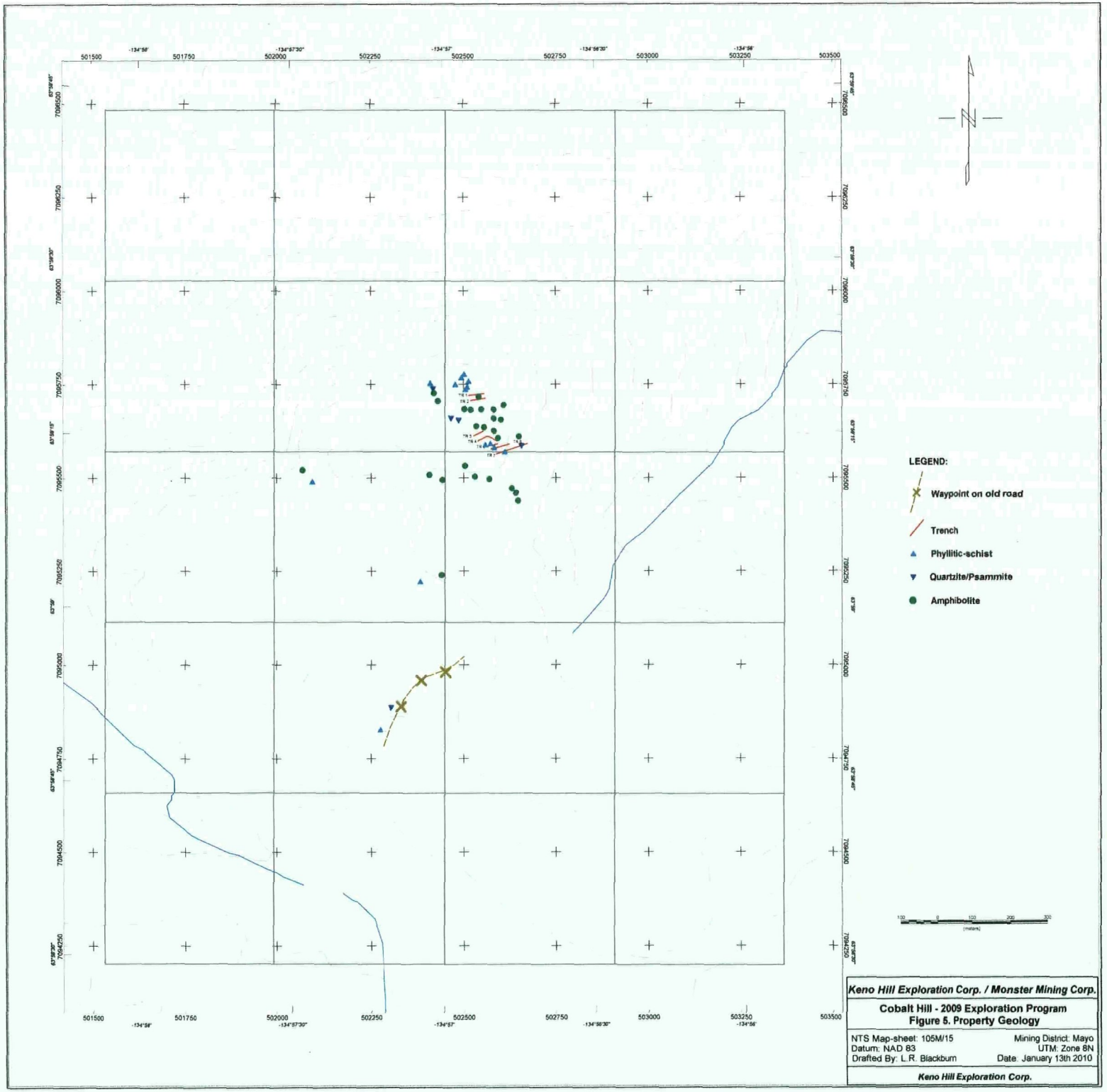
The following is taken from Blackburn, 2009 (see following page for *Figure 5. Cobalt Hill Property Geology)*:

> *The Cobalt Hill Project is located within the regional Upper Proterozoic to Lower Cambrian Hyland Group (PCH). The property is underlain by meta-sediments, primarily phyllitic-schists, quartzite and "greenstone" bodies. These units as a whole trend roughly east-west and dip moderately to the south.*
>
> *Upon further inspection the "greenstones" units were found to be, more specifically, medium- to coarse-grained non- to weakly-foliated amphibolites (in contrast to the more typical massive, blocky intrusive greenstones in the Keno district). These resistant rocks form outcrops that appear like 'whale-backs' and trend roughly the same orientation as the fine-grained meta-sediments (~E-W) suggesting that they are most likely para-amphibolites derived from metamorphism of marls/wackes and volcanic sediment material. However, the presence of pyrrhotite which is commonly associated with basic igneous rocks was noted within the amphibolite rocks thereby not ruling out an ortho-amphibolite genesis.*

In 2009 the units were more closely examined and can be described as an east-west trending, south-dipping package of meta-siliciclastics composed chiefly of meta-sandstone (quartzite/psammite) and mudstone/siltstone (phyllitic-schist). Phyllitic-schists are generally strongly foliated and contain strung out, large (>10 cm long), quartz augens formed from elongation of early foliation-parallel milky white quartz veins. Quartzite/psammite (clean and dirty meta-sandstones) are strongly bedded (mm- to cm-scale beds) and form more resistant outcrops that increase in prevalence to the south of the central worked claims (AHO 17, 15 and 6).

In general, the rocks coarsen to the south from predominant phyllitic-schist to quartzite. Therefore, country rock competency increases to the south and the rocks are more favourable host rock in the southern end of the trenches. Although host rock competency is more favourable to the south, historically the vein was 'lost' in the southern trenches. Aerial topography and field relationships suggest a fault cuts the vein in trench seven and offsets it with dextral sense (unknown offset).

Resistant, competent 'greenstones' can be found sporadically throughout the property and are favourable host rock for vein-style mineralization. During the 2009 field program field relationships observed suggest that the 'greenstones' are in fact ortho-amphibolites (*i.e.,* igneous protolith). Xenoliths of psammite were observed enveloped within amphibolite at the southern-most trenched area in outcrop (see photo right).


LEGEND:
Waypoint on old road
Trench
Phyllitic-schist
Quartzite/Psammite
Amphibolite
Keno Hill Exploration Corp. / Monster Mining Corp.
Cobalt Hill - 2009 Exploration Program
Figure 5. Property Geology
NTS Map-sheet: 105M/15
Datum: NAD 83
Drafted By: L.R. Blackburn
Mining District: Mayo
UTM: Zone 8N
Date: January 13th 2010
Keno Hill Exploration Corp.

5. 2009 EXPLORATION PROGRAM SUMMARY

The 2009 exploration program for the Cobalt Hill property consisted of six phases:
1) Reconnaissance mapping;
2) detailed prospecting;
3) establishing mineralization styles;
4) Au-mineralization in amphibolite;
5) soil geochemical sampling; and
6) old access road mapping.

5.1 Reconnaissance mapping

AHO claims 6, 8, 15 and 17 were geologically mapped during the exploration program with the intent of better understanding structures apparent on air photos and to better understand the structures controlling vein emplacement (see *Figure 5. Cobalt Hill Property Geology* on previous page for stations). During the geological mapping, seven trenches and one adit were geologically mapped, these trenches were completed sometime between 1949 and 1956.

5.2 Detailed Prospecting

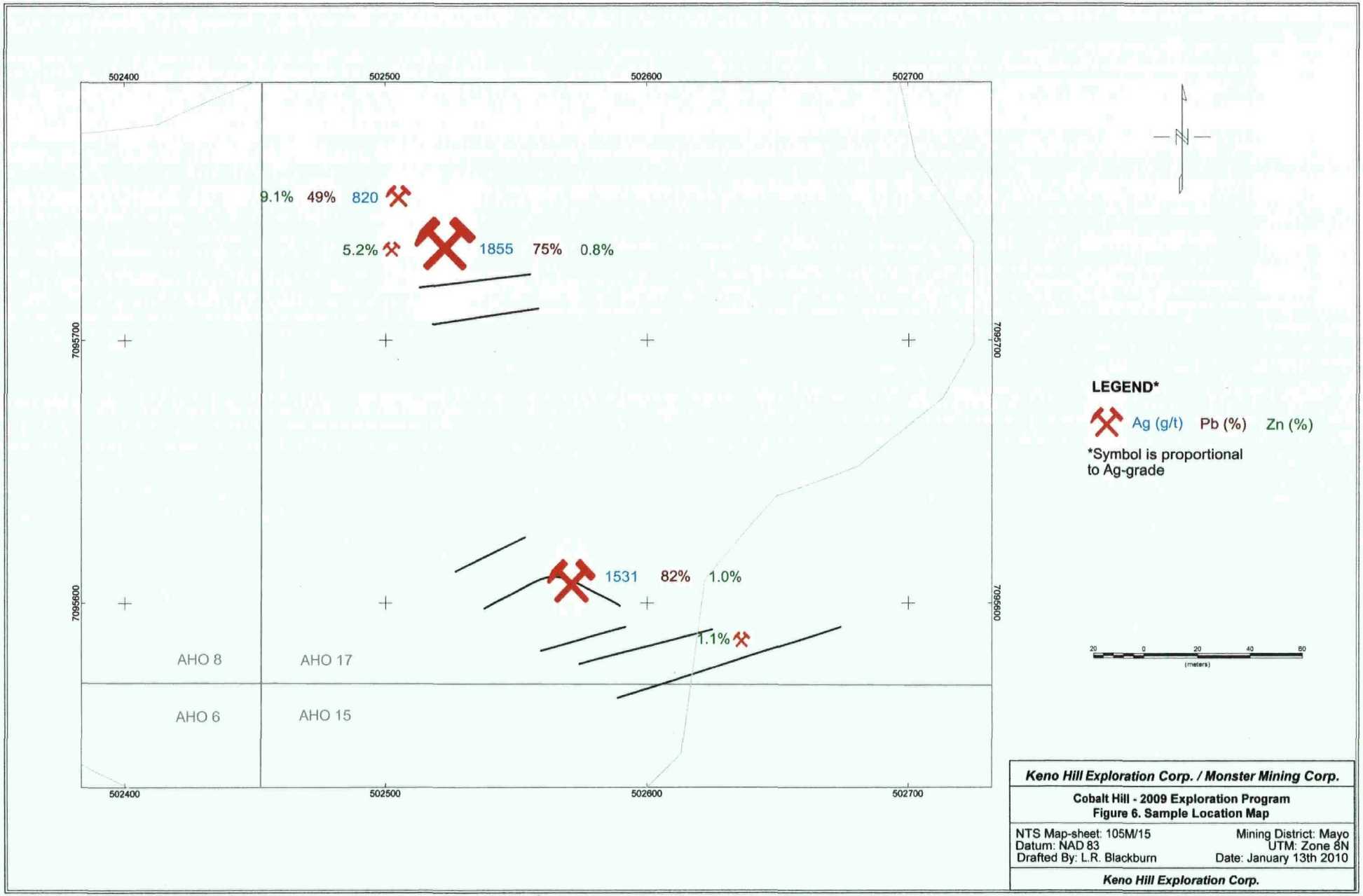
In 2008, 5 high-grade samples were collected from the vein and sent in for assay to verify the grade and tenor of mineralization on the property (see following page for *Figure 6. Sample Location Map*). These samples reported values ranging from 364 to 1743 g/t (10.62 – 50.83 oz/t) silver, 14.9 to 48.6% Pb and two samples reported 2.07 to 7.45% zinc (Blackburn, 2009). Therefore, the intent of sampling in 2009 was not intended to try to obtain the richest samples but rather to establish an association between mineralogy and textures with Pb-Zn ± Cu-grade (see section 5.3).

5.2.1 Sample descriptions

Three high-grade (galena ± anglesite) samples were collected from the main vein and sent in for inductively coupled mass-spectrometry (ICP-MS) analysis and Au-fire assay at ACME Analytical Ltd. (Assay Certificate VAN09004668; *Appendix III*). The samples returned values ranging from 820 to 1855 g/t (23.78 – 53.80 oz/t) silver, ≤ 9.08% zinc and >10 000 ppm lead ranging from 49.49 to 81.81%.

One sample of Mn-stained, vuggy vein rock with saddle dolomite ± galena was collected from the adit to test geochemistry outside of the high-grade zone. This sample reported 5.24% Zn and anomalous Ag (73.7 ppm) and Pb (>10 000 ppm).

Two samples of psammite country rock and two quartz vein samples were collected and sent in for geochemical analysis. These three samples did not report appreciable mineralization. See *Figure 6* on following page for sample locations and *Table 5* on page19 for sample descriptions and results.



Keno Hill Exploration Corp. / Monster Mining Corp.	
Cobalt Hill - 2009 Exploration Program **Figure 6. Sample Location Map**	
NTS Map-sheet: 105M/15 Datum: NAD 83 Drafted By: L.R. Blackburn	Mining District: Mayo UTM: Zone 8N Date: January 13th 2010
Keno Hill Exploration Corp.	

5.3 Establishing mineralization styles

In an attempt to better understand mineralization styles, three high-grade (galena ± anglesite) samples were collected from the main vein through detailed prospecting with the intent of establishing an association between mineralogy and textures with Ag-Pb-Zn ± Cu-grade. Three 'styles' of mineralization moving from south to north were described along the strike of the vein:

1) Sample 56830: 'Typical vein' mineralization rotten-appearing, relatively finer-grained galena with abundant manganese and interstitial carbonate (locally dolomitic);
2) Sample 56831: 'Vuggy vein' material that is intensely manganese-stained with abundant saddle dolomite with relatively little galena; and
3) Sample 56832: 'Vein-breccia' with incorporated country-rock, fine to massive cubic galena, local interstitial calcite, minor anglesite with rusty and green alteration.

In general, Ag-grade increases moving south where country rocks are competent. Conversely, zinc increases moving north to south where the vein mineralizes in brecciated, less competent and more pervasively altered country rocks. See *Table 4* for summarized mineralogical and geochemical associations.

Table 4. Mineralogical and geochemical associations

Element	*Textural and mineralogical characteristics*
High Ag	Occurs as 'typical vein mineralization' in competent country rocks as rotten-appearing vein material with abundant manganese, interstitial carbonate and fine-grained galena ± anglesite.
High Zn	Occurs as vein-breccia in less competent country rocks with fine to massive euhedral galena, abundant rusty and green alteration ±interstitial carbonate, anglesite.
High Pb	Occurs as 'typical vein mineralization' in competent country rocks where the galena is euhedral, large cubic crystals.

5.4 Au-Mineralization in Amphibolite

"Greenstone" (amphibolite) outcrop is exposed throughout the property forming 'whale-backs' that trend roughly E-W, these rocks locally contain abundant (<5%) Pyrr ± Cpy, Pyr, Apy (Blackburn, 2009). No samples were taken of this unit during the 2008 exploration program. These 'greenstone' bodies are known to occur in the Keno district as pyrrhotite skarns that are associated with gold mineralization (≤0.25 oz/t). In 2008, further investigation of these bodies was suggested.

Five samples of amphibolite ± pyrrhotite-chalcopyrite-pyrite-arsenopyrite were collected to analyze for Au. Samples returned Au values up to 10.5 ppb. In general, the amphibolite exposed at surface was not extensively skarnified and did not contain appreciable mineralization. Samples that reported anomalous Au were in general not associated with pyrrhotite mineralization but rather chalcopyrite ± pyrite mineralization.

Table 5. Sample descriptions and results

Station	Easting NAD83	Northing NAD83	Sample #	Description	Ag (g/t)	Ag (ppm)	Pb (%)	Pb (ppm)	Zn (%)	Zn (ppm)	Cu (ppm)	Au (ppb)
09-COB-014	502571	7095607	56820	Grab: High-grade galena from within trench	1531	>100 0	81.81	>10000 0	1.02	9693	597 8	6 4
09-COB-026A	502442	7095239	56821	Grab cpy or pyr in qtz vein within deformed amphibolite next to fault.		11 3		3600.9		330	130 8	0.8
09-COB-026B	502442	7095239	56822	Grab· 2-4% pyrrhotite within amphibolite next to fault.		18 4		8905.3		144	266.6	<0 5
09-COB-029	502594	7095583	56823	Grab: layered milky to translucent quartz vein with silvery-black circular mineral (<1%) in trench.		<0.1		76.4		5	1.6	<0.5
09-COB-030	502567	7095585	56824	Grab: same as last sample but in next trench to the north.		0.5		232 6		4	2 3	<0.5
09-COB-033	502569	7095496	56825	Grab: <5% cpy +/- pyr within amphibolite.		0.3		41 4		38	393 4	10 5
09-COB-051A	502658	7095587	56826	Grab. 3-8% pyrr + pyr + apy in layered psammite within Trench 7 (east-end).		1 3		228.8		4442	44.6	2.6
09-COB-051B	502658	7095587	56827	Grab: <4% disseminated pyrr +/- pyr, cpy within Mn-stained amphibolite within Trench 7		0.2		28 2		66	192.1	3.1
09-COB-051C	502658	7095587	56828	Grab: <3% cpy + pyr +/- pyrr, apy within medium-grained, fresh amphibolite within Trench 7		0 1		62 9		159	160.4	4 1
09-COB-051D	502658	7095587	56829	Grab: Mn-stained, rusty, brecciated psammite from Trench 7.		25 1		1746.9	1.13	>10000	267 3	2 6
09-COB-068A	502523	7095735	56830	Grab. typical vein sample from adit of fine-grained galena + interstitial calcite, minor country rock (fine-grained meta-sediments), rust (Fe-carbonate?) +/- manganese.	1855	>100.0	74.61	>10000.0	0.84	7926	393.6	34.7
09-COB-068B	502523	7095735	56831	Grab: Mn-stained, vuggy vein rock with saddle dolomite and little galena from the adit.		73 7		>10000 0	5.24	>10000	158.2	2 8
09-COB-069	502505	7095754	56832	Grab: vein breccia with fine to coarse grained cubic galena +/- interstitial calcite, rust (Fe-carbonate?) and anglesite Sample from pit on cliffs edge (north of vein projection from the adit).	820	>100 0	49 49	>10000 0	9.08	>10000	391 9	22.3

5.5 Geochemical Soil Sampling

Soil samples were collected every 50-m on 9 lines with a 50-m line separation. Five samples were collected during the mapping of the old access road for a total of 67 soil samples. The samples collected during the program were sent in for 31-element ICP-MS analysis with Ag-Au-Pb-Zn over-limit analyses at ACME Analytical Labs (see pages 21-26 for soil geochemical bubble plots). The soil sampling grid was centered on the northern AHO claims around the known vein and trenches and extended to the south with the intension of highlighting the southern vein extension which appeared to be off-set by faulting.

5.5.1 Soil Sampling Procedure

These samples were collected using a 'Swede-pic' from depths ranging from 10 to 30 cm (most commonly 20 cm), consistently below the surficial organic-rich top horizon. These samples were described in the field (% organics, colour and general description) and areas where soil development was poor was noted in the sample description (see *Appendix 17.2- Soil Sample Descriptions*).

5.5.2 Soil Sample Results

Samples reported values of up to 31.6 g/t Ag, 0.76% Pb (7614 ppm), 0.14% Zn (1422 ppm), 0.04% Cu (397 ppm) and 65.6 ppb Au (see *Appendix 17.4- Soil Sample Assay Results,* Assay Certificate VAN09004666). Cu and Zn soil geochemical anomalies may indicate vein displacement in the south where the vein was lost (area around and south of Trench 7). In general soils on the property were well-developed. Overall the soil sampling survey appeared to highlight geochemically anomalous zones within trenched areas. In trenched areas soils were generally poorly-developed with abundant rock chips. The

sampler removed rock chips to avoid geochemically skewing the data however, Ag-values were generally abnormally anomalous in these zones.

Au, Ag, Pb, Zn and Cu proportional bubble plots were created with the data obtained from the program and highlight known mineralized zones and possible structures (see pages 21-26 for *Figures 6a-f*, soil geochemical maps). Note that in particular Zn and Cu highlight the offset of the main vein illustrating dextral offset. Arsenic and gold plots report anomalous results in the area 'greenstones' (meta-diorite/gabbro) were mapped.

5.6 Old Access road mapping

The old access road was partially mapped during the program and is evident on Air Photos ####. The purpose of mapping this road was intended to verify the route in the event a road is re-established to the property.

Table 6. Old access road waypoints

Station	Easting_ NAD83	Northing_ NAD83	Elevation (m)	Feature	Notes
09-COB-018	502333	7094888	1136.2	Old Road	Fork in old road. Left fork does not continue on for very far, may have acted as a staging area. Took soil sample here (COB-018).
09-COB-019	502389	7094958	1149.4	Old Road	Old road, took soil sample here (COB-019).
09-COB-020	502453	7094980	1146	Old Road	Junction of two roads? Lost the old road here (see track points).

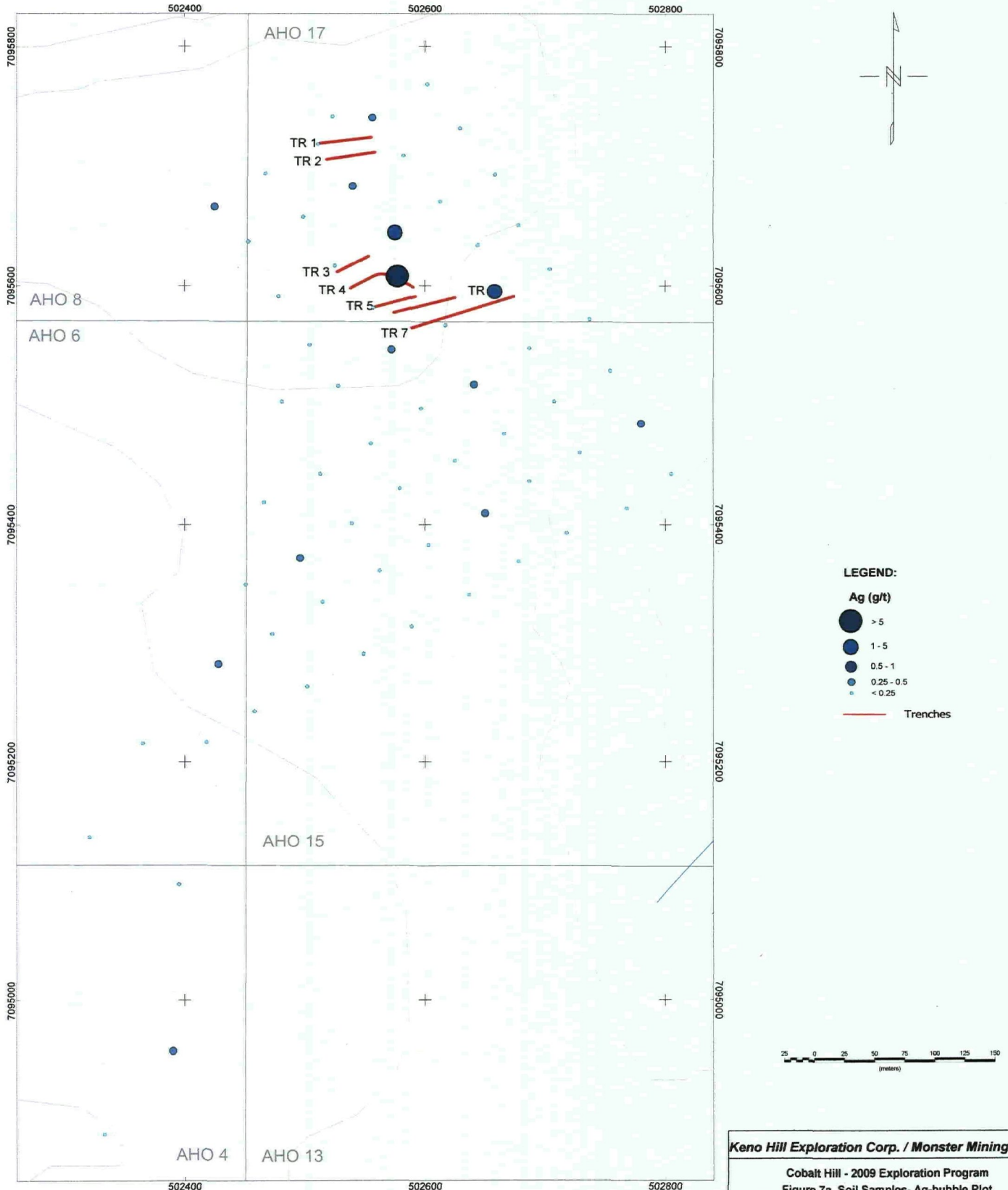
6. DEPOSIT MODELS

6.1 Keno Hill Camp Mineralogy & Metallogeny

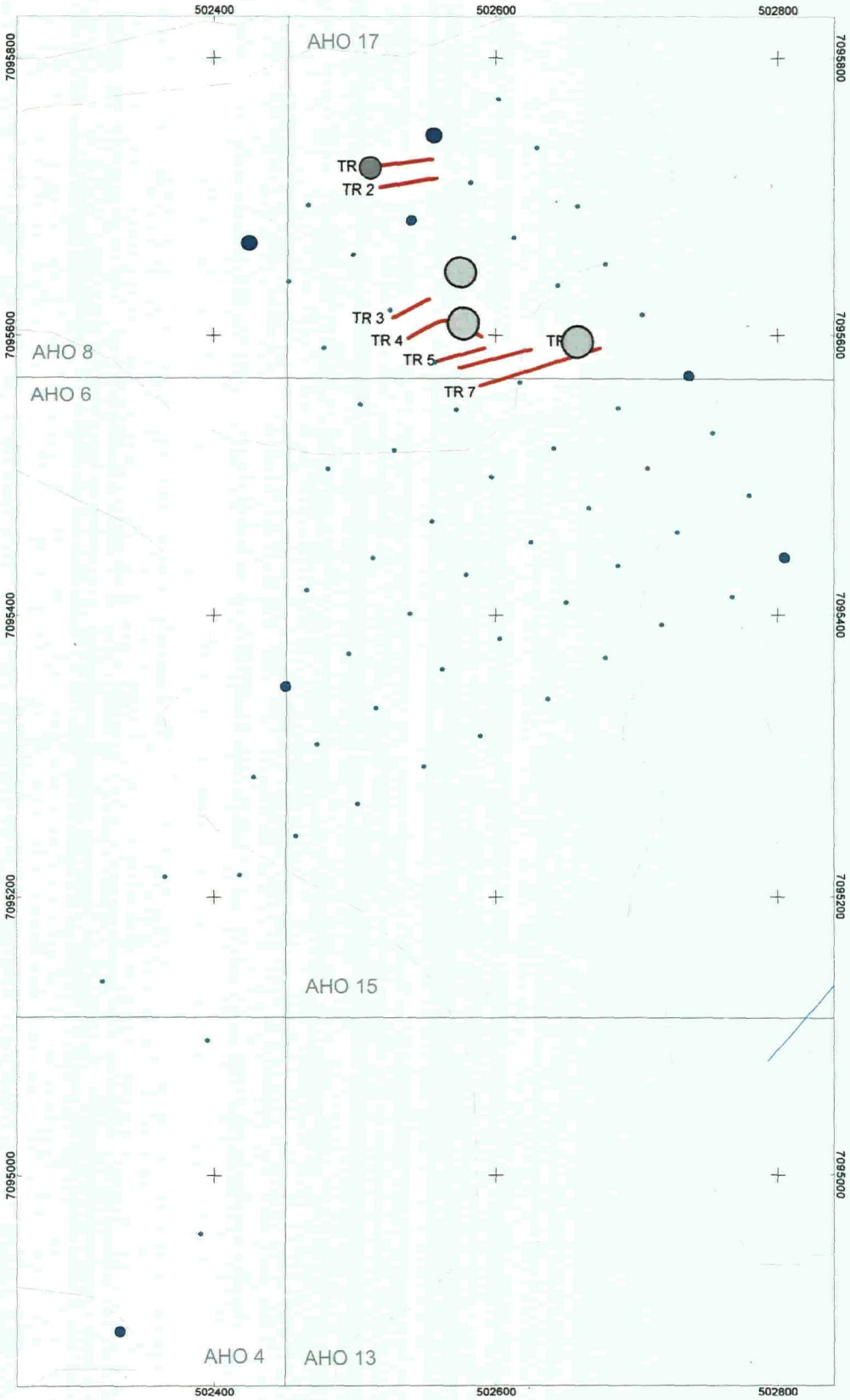
The ore mineralogy typical of Keno Hill is primarily galena, sphalerite, tetrahedrite-tennanite with subordinate amounts of sulphosalts (pyrargyrite, stephanite, jamesonite and bournonite) and sulphides (acanthite/argentite, native silver, chalcopyrite, pyrite, arsenopyrite and stibnite; Blackburn, 2008). Gangue mineralogy is dependent on the host rock; carbonaceous country rocks are associated with siderite, dolomite, calcite, ankerite and quartz (± magnetite), whereas "greenstone" (igneous) host-rocks gangue is primarily quartz, carbonate, manganese and hematite (Fonseca and Bradshaw, 2005).

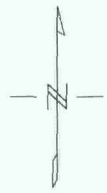
The early stage As-Au-Sb mineralization found within the district is associated with quartz gangue and is currently thought to be related to distal Tombstone magmatism (V. Bennett, pers. comm., 2009). This stage of mineralization is primarily as Apy ± Jam, Boul, Bour and rarely native Au. Pyrrhotite skarns are known to occur in the Keno Hill district and are associated with gold mineralization ≤0.25 oz/t (J. McFaull, pers. comm., 2009).

Both of the above mineralization styles were targeted during the 2009 exploration program and results illustrate potential for both types of mineralization styles. Further investigation for both, Keno Hill polymetallic vein-style and intrusive-hosted Au-style mineralization should be investigated in future programs. Anomalous soil sample data illustrates general geochemical trends that should be followed up with more extensive work.



Keno Hill Exploration Corp. / Monster Mining Corp.	
Cobalt Hill - 2009 Exploration Program Figure 7a. Soil Samples- Ag-bubble Plot	
NTS Map-sheet: 105M/15 Datum: NAD 83 Drafted By: L.R. Blackburn	Mining District: Mayo UTM: Zone 8N Date: January 14th 2010
Keno Hill Exploration Corp.	





LEGEND:

Pb (ppm)

- > 450
- 150 - 450
- 50 - 150
- 25 - 50
- < 25

Trenches

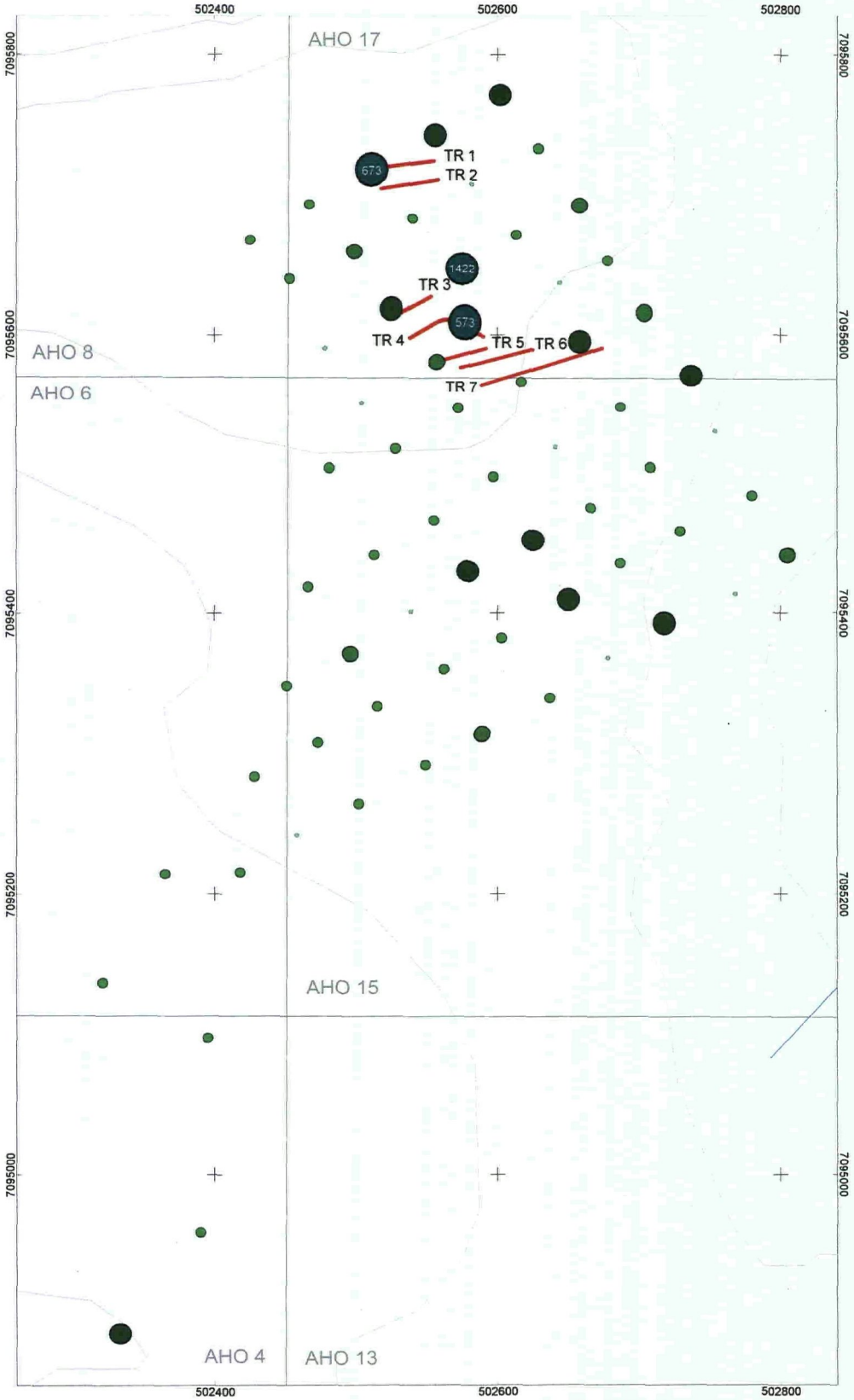
25 0 25 50 75 100 125 150
(meters)

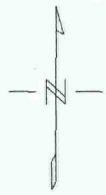
Keno Hill Exploration Corp. / Monster Mining Corp.

Cobalt Hill - 2009 Exploration Program
Figure 7b. Soil Samples- Pb-bubble Plot

NTS Map-sheet: 105M/15 — Mining District: Mayo
Datum: NAD 83 — UTM: Zone 8N
Drafted By: L.R. Blackburn — Date: January 14th 2010

Keno Hill Exploration Corp.

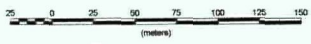




LEGEND:

Zn (ppm)

- > 500
- 150 - 500
- 100 - 150
- 50 - 100
- < 50
- Trenches

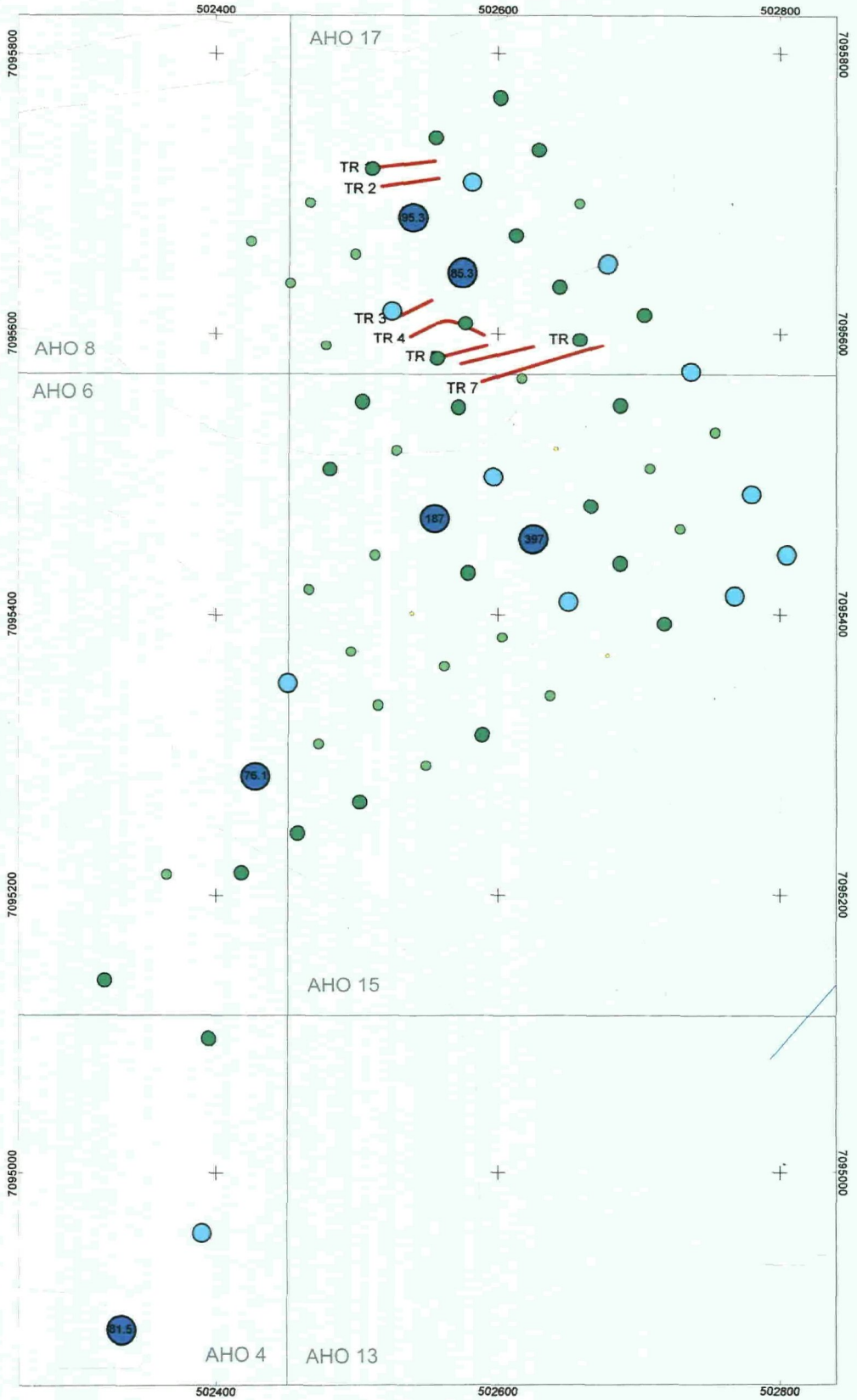


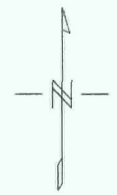
Keno Hill Exploration Corp. / Monster Mining Corp.

Cobalt Hill - 2009 Exploration Program
Figure 7c. Soil Samples- Zn-bubble Plot

NTS Map-sheet: 105M/15	Mining District: Mayo
Datum: NAD 83	UTM: Zone 8N
Drafted By: L.R. Blackburn	Date: January 14th 2010

Keno Hill Exploration Corp.





LEGEND:
Cu (ppm)

- > 75
- 50 - 75
- 25 - 50
- 10 - 25
- < 10
- Trenches

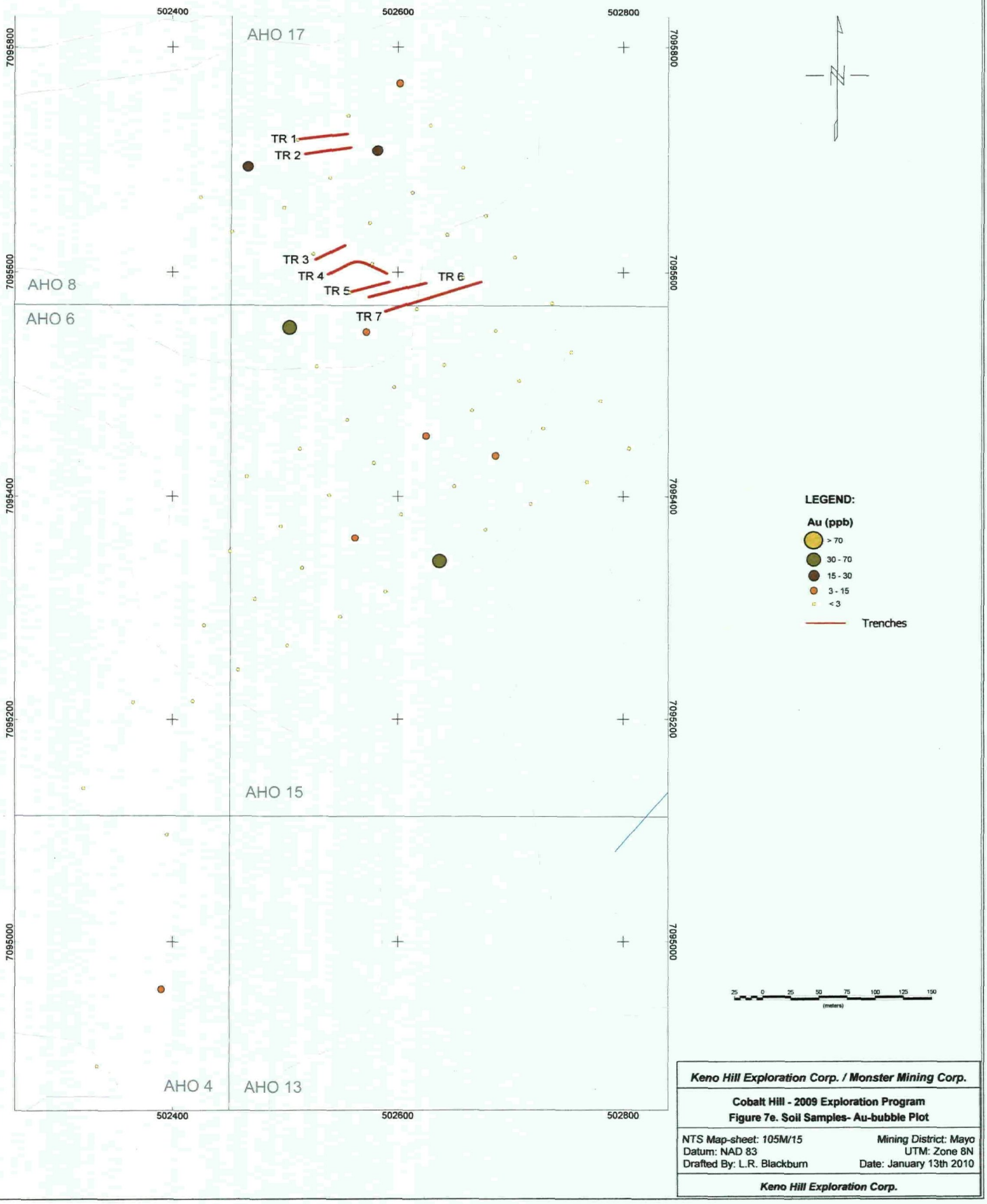
25 0 25 50 75 100 125 150
(meters)

Keno Hill Exploration Corp. / Monster Mining Corp.

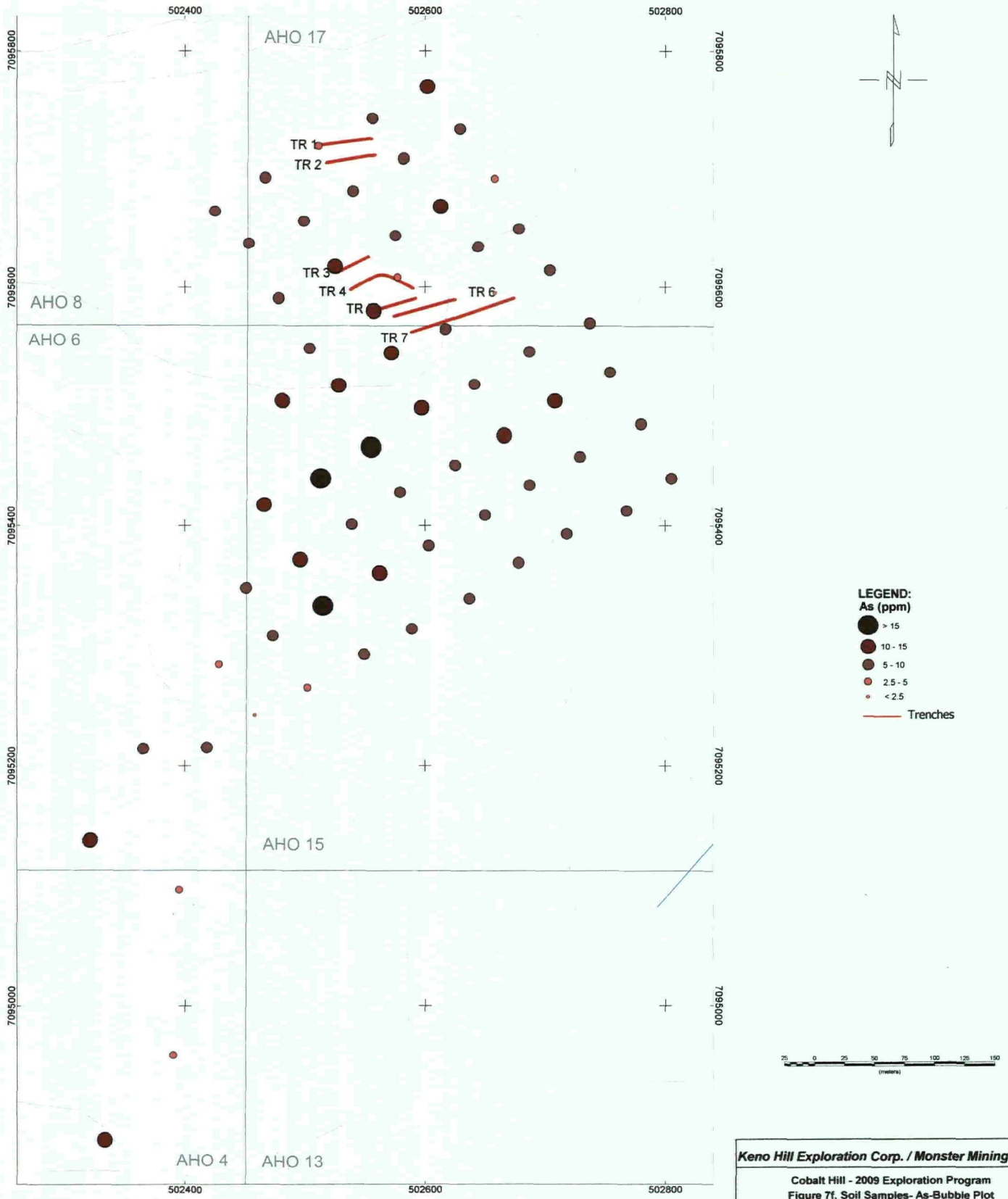
Cobalt Hill - 2009 Exploration Program
Figure 7d. Soil Samples- Cu-bubble Plot

NTS Map-sheet: 105M/15 — Mining District: Mayo
Datum: NAD 83 — UTM: Zone 8N
Drafted By: L.R. Blackburn — Date: January 14th 2010

Keno Hill Exploration Corp.



Keno Hill Exploration Corp. / Monster Mining Corp.	
Cobalt Hill - 2009 Exploration Program **Figure 7e. Soil Samples- Au-bubble Plot**	
NTS Map-sheet: 105M/15	Mining District: Mayo
Datum: NAD 83	UTM: Zone 8N
Drafted By: L.R. Blackburn	Date: January 13th 2010
Keno Hill Exploration Corp.	



Keno Hill Exploration Corp. / Monster Mining Corp.

Cobalt Hill - 2009 Exploration Program
Figure 7f. Soil Samples- As-Bubble Plot

NTS Map-sheet: 105M/15 — Mining District: Mayo
Datum: NAD 83 — UTM: Zone 8N
Drafted By: L.R. Blackburn — Date: January 14th 2010

Keno Hill Exploration Corp.

7. MINERALIZATION

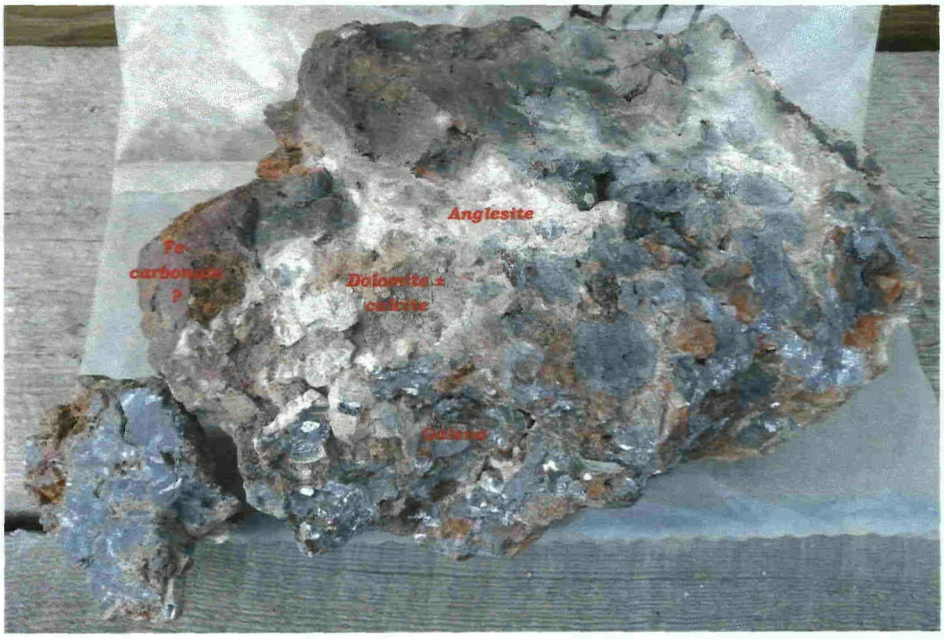
7.1 Cobalt Hill Exploration Targets

Mineralization occurs as polymetallic Ag-Pb-Zn ± Au veins comprised of high-grade, coarse, euhedral, cubic galena ± quartz and minor siderite and calcite (see photo below). No visible sphalerite was found within the vein-rock, however, presence of anomalous zinc suggests presence of some sphalerite gangue. All of the rocks contained considerable amounts of manganese which was noted in the all of the wall-rocks where the vein is emplaced. Some anomalous antimony was found within the samples collected and sent in for assay suggesting the presence of some stibnite within the vein.

Cobalt Hill vein gangue material is primarily quartz, unlike the more typical siderite and sphalerite in the Keno Hill district. The known vein(s) trend ~330° and are emplaced in phyllite-quartzite and locally "greenstone" (amphibolite) and are exposed over a strike length of ~230 m.

Seven trenches and one adit (completed sometime between 1949 and 1956) were geologically mapped during the program (see *Figure 3. Trench Map).* These trenches expose the vein in the six trenches northern-most trenches. In the southern-most trench (trench 7) the vein is not exposed.

The vein width at the adit in Trench 1 appears to be narrow at 3 – 4", likely the result of the relatively unfavourable wall rocks (thinly bedded schists/phyllitic country rock) present. However, 40 m to the SSW the vein is emplaced within the more competent quartzite and "greenstone" (amphibolite) unit(s), here the vein is considerably thicker (>1'). It is not clear at this time whether or not this is the same vein and is locally dextrally offset or a different vein parallel to the first (outcropping at the adit and in the northern hand dug pit).



Above: Rep sample collected from cobalt Hill during the program (sample is ~ 1' across). Notice texture (vein brecciated country rock) as well as mineralogy (galena, anglesite, iron-carbonate (?), calcite and saddle dolomite.

The 2009 explorative work focussed on locating the southern extension of the vein in the trench 7 area. A linear topographic feature, presumed to be a fault, intersects the trench 7 area where the vein is projected. Structural measurements and soil geochemistry suggest that the vein is offset in a dextral sense ~75 m (refer to Cu and Zn soil geochemical bubble-plots on pages 21-26). *This area is therefore a primary target for future explorative work.*

8. STRUCTURAL GEOLOGY & VEIN PROJECTIONS

The known vein(s) trend ~330° is are emplaced in phyllite-quartzite and locally the "greenstone" unit (amphibolite) and is exposed over a strike length of ~230 m. This vein(s) either shows minor dextral local off-set or is in fact multiple veins. This relationship should be further investigated by a combination of a tightly spaced soil sample grid and a localized IP geophysical survey (trench work has disrupted the vein preventing deciphering this relationship by detailed mapping). It is currently in the author's opinion that this is one vein with considerable strike length and potential particularly in the SE where more competent host rocks are present. A distinctive incised valley present on the property has a creek which flows to the NNW and likely represents a discrete structural feature that is presumed to be a fault (refer to photo-plate on page 18). If this feature is indeed a fault, locating the vein in the SE would have to be completed with the aid of soil geochemistry, geophysics or test trench pits.

9. ADJACENT PROPERTIES

The Cobalt Hill property is an isolated block of 20-contiguous claims NNE of the Keno Hill camp. However, the Keno Hill camp is almost wholly staked by primarily three exploration companies, namely, Alexco Resources Corp., Yukon Gold Corp. and Monster Mining Inc.. Immediately east of Cobalt Hill is the Volcanic-massive sulphide (VMS) Marg property (MINFILE 106D 009) owned by Yukon Gold Corp.. To the northeast is the Rau property (MINFILE 106D 007 & 008) owned by ATAC Resources Ltd..

10. METALLURGICAL TESTING & PROCESSING

The Cobalt Hill Property is at an early exploration stage and therefore no metallurgical testing has been completed to date. However, in 1949 an estimated 4.5 tonnes of ore were shipped out by Fred Taylor and processed at the United Keno Hill mill. Vein mineralogy at Cobalt Hill is similar to the Keno Hill veins historically and actively mined in the district.

11. RESOURCE AND MINERAL RESERVE ESTIMATES

The Cobalt Hill Property is at an early exploration stage and has not been Rotary Air Blast (RAB) or Diamond Drilled (DD) drilled to the author's knowledge to date and therefore there is insufficient data to complete ore calculations.

12. INTERPRETATION AND CONCLUSIONS

The 2009 YMIP-funded exploration program was deemed successful and further work is recommended. The Cobalt Hill property highlights the existence of a typical Keno-Hill style polymetallic Ag-Pb ± Zn vein that has a considerable confirmed strike-length (≥ 230 m). The country rocks are generally favourable, particularly to the south where the competent quartzite and amphibolite units occur as thick packages.

The previous trench and adit/hand-dug pit work completed on the property is a considerable asset to the claims as it clearly exposes the vein close to surface over a significant distance.

Although the Cobalt Hill property is relatively remote in contrast to the main Keno Hill district, it has a road that could be re-established with relatively minor CAT work, a favourable location topographically (relatively flat, low-lying ground) and abundant competent country rock.

Despite the extensive trench-work and mining history associated with Cobalt Hill, the property has not been geologically mapped or drilled to date and is therefore a relatively poorly understood and untested target and warrants further investigation. Recommendations for future work total ~$50 000 of assessment work.

13. 2008 BUDGET SUMMARY

A total of $11 545.23 was spent during the 2009 YMIP-funded exploration program. A small amount was left un-used in the contribution agreement as a result of the program being 2 days shorter then originally anticipated due to logistical reasons (limited by helicopter availability). The total costs are summarized in the table below.

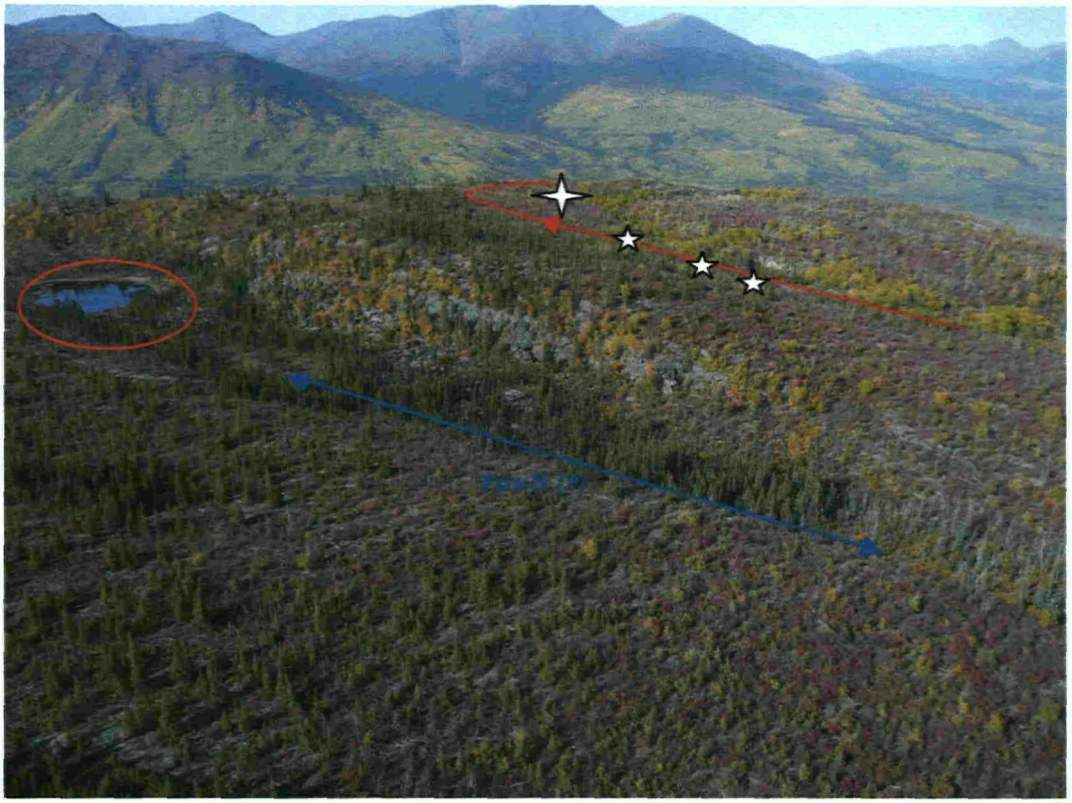
Table 7. Budget Break-down

Food		$400.00
Travel		
Helicopter		$3,738.00
Analyses / Assay Costs		$1,730.31
Sample shipment		$87.33
Equipment Rentals (Fly camp rental)		$460.00
1 truck @ 2 X 1/2 days (1 day)		$95.00
1 ATV @ 2 X 1/2 days (1 day)		$150.00
XRF - 1 day		$125.00
Contractors		
Lauren Blackburn (Geologist @ $450/day)		$1,800.00
Matthias Bindig (Prospector, soil sampler @ $400/day)		$1,600.00
Report Preparation		$1,400.00
Other Expenses (Field supplies)		$120.00
	TOTAL=	$11 545.23

14. RECOMMENDATIONS FOR FUTURE WORK

Future work recommended includes:
1) revisiting the currently mapped area for more intensive structural analysis;
2) more widespread geological mapping;
3) five 50' holes of portable-diamond drilling;
4) 10-line km of SC3DIP, a new geophysical survey developed by Aurora Geosciences Ltd. designed to target structurally controlled mineralization; and
5) camp building.

Overall, this program was successful in completing the six objectives listed above. It is recommended that this work be followed up by a SC3DIP geophysical survey (3 initial test-lines over known mineralization), portable diamond drilling, prospecting to follow up soil sampling results, and infill and extension of soil sampling and detailed mapping with focus on structural geology (to decipher whether the mineralization found is present as one vein that is locally dextrally off-set or is in fact multiple veins with roughly the same azimuth). If future portable diamond drilling is completed a small lake just south of the trenches would allow access for water (see picture on following page).



Above: Photo shows water accessibility for possible future diamond drill work on the property. Notice trench location is proximal to water supply. Samples are denoted by 5-point stars (all were taken within trenches) and the adit is denoted by the large 4-point star. Distinct incised valley (denoted by the blue arrow) has a creek which flows to the NNW and is presumed to be the surficial representation of a property-wide fault.

Furthermore, the author recommends building/set-up of a small camp (1 permanent dry and 3 tear-down wall-tents) for ease of future work on the property and decreasing future helicopter mobe/de-mobe costs. See *Table 8. 2010 Proposed Budget* on following page. In the winter months the three tear-down tents could be stored in the permanent dry.

In 2009 a small fly camp was erected in Trench 1 (large 4-point star in above photo). It is recommended if a future exploration camp is constructed, it is erected in a flat area proximal to the trench work for ease of accessibility. However, currently there are no areas cleared to accommodate a camp so this area would have to be prepped prior to building.

Table 8. 2010 Proposed Budget*

Camp Building	**Man days @ rate**	**Supplies @ rate**	**Cost**
1 permanent dry (framed)			$1 500
Dry plumbing and pumps			$1 500
2- 14 X 16 sleepers wall tents		@ $ 1 200/each	$2 400
14 X 16 kitchen tent		@ $1 200/each	$1 200
Building	8 man days @ $400/day		$3 200
Geostoves (4)		@ $1 000/each	$4 000
Kitchen supplies			$800
Mapping	**Man days @ rate**		
Geologist (1)	4 days @ $500/day		$2000
Drilling	**Rate**		
Portable diamond drill rental	$25/ft	5 holes @ 50'	$6 250
Drillers (2)	4 days @ $400/day		$1 600
SC3DIP	**Rate**	**Line-km / day**	
Crew (4)	@ $2 000/day	5 line-km's at 1.5 line- km/day	$16 000
Field report/interpretation			$3 500
Report			$3 000
		TOTAL=	**$46 950**

*budget does not include helicopter time and consumables (fuel, field supplies, food *etc.*)

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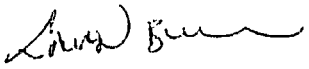
16. STATEMENT OF QUALIFICATION

I, Lauren R. Blackburn of 75 Walnut Cresent, Whitehorse, Yukon, am an employee of *Keno Hill Exploration Corp.* I am the author of this report and was present for the duration of the exploration program.

I am a graduate of the University Alberta with a BSc. Specialization in Geology. I have worked in the Yukon Territory since 2006 and in northern Canada since 2005.

I consent to the use of this report by Keno Hill Exploration Corp. and Monster Mining Corp. for such assessment and/or regulatory and financing purposes deemed necessary, but if any part shall be taken as an excerpt, it shall be done with my approval.

Dated at Whitehorse, Yukon Territory this 30th day of March 2010.



Lauren Blackburn B.Sc.
Keno Hill Exploration Corp.,
75 Walnut Cresent,
Whitehorse, Yukon
Y1A 5J3

17. APPENDICIES

Appendix 17.1- Geological Mapping (Stations)

Station	Easting_ NAD83	Northing_ NAD83	Elevation (m)	Rock Type	Notes
09-COB-002	502094	7095488	1144.3	Phyllite	Locally graphitic, massive quartz veining (pinches out, stretched, locally folded). Package shows a well-developed penetrative fabric.
09-COB-003	502069	7095521	1146	Amphibolite	Massive-appearing, forms large whale-back outcrop. Some quartz veining.
09-COB-007	502411	7095508	1128.9	Amphibolite	Amphibolite outcrop next to fault. Prolific quartz veining, qtz has iridescent patches within. Fine blades of actinolite evident within, abundant biotite.
09-COB-008	502445	7095494	1134.2	Amphibolite	Quartz vein in amphibolite outcrop that forms an overhanging, dropped block.
09-COB-009	502614	7095475	1122		Cross-fault that cuts two outcrops of amphibolite.
09-COB-011	502592	7095582	1139.3	Galena mineralization	Mineralization of galena within trench.
09-COB-012	502579	7095610	1141.9	Galena mineralization	Mineralization of galena within trench, took sample here last year.
09-COB-014	502571	7095607	1140.5	Galena mineralization in amphibolite	South-side of middle of Trench 4, high-grade pile of galena mineralization (not in place). Took sample 56820: high-grade galena (>90% gal). Vein orientation viewed on north-side of trench is ~335. Vein is emplaced in intensely altered amphibolite country rock.
09-COB-015	502275	7094825	1136.4	Meta-seds	Cooked-up, fine-grained, meta-sediments that are locally rusty and pyritic. Blue-black in colour on fresh surfaces, primarily slate (to phyllite) with quartz-layers that appear to be result of late silicification. No rxn with dilute HCL-.
09-COB-017	502305	7094887	1130.4	Meta-seds	Cliff-forming outcrop of fine-grained meta-seds next to fault. Locally rusty and manganese stained, well-developed penetrative fabric.
09-COB-024	502387	7095220	1133.8	Meta-seds	Highly-schistose, very fine grained meta-seds that are blue-black in colour on fresh surfaces. Next to major property-wide fault.

Station	Easting_ NAD83	Northing_ NAD83	Elevation (m)	Rock Type	Notes
09-COB-026	502442	7095239	1116.2	Amphibolite +/ pyrr	Outcrop of massive-appaering amphibolite, local weak penetrative fabric. Black to green in colour of fresh surfaces. Fine to medium-graine. Minor interstitial pyrite and local quartz stringers. Outcrop strikes roughly parallel to fault. Strung-out interstitial plagioclase. Took sample 56821 of rusty orange quartz vein with trace metallic gold coloured mineral. Took sample 56822 of amphibolite with interstitial clots of <4% pyrrhotite with minor interstitial calcite. Sample area at soil sample station Line F-9. Took rep.
09-COB-027	502649	7095439	1117.9	Amphibolite +/ cpy, pyr	Outcrop of undeformed, unalthered amphibolite with coarse-grained amphibole and plagioclase. Needles of amphibole evident within. Interstitial chalcopyrite (<2%) and pyrite (<1%).
09-COB-028	502643	7095460	1118.9	Amphibolite +/ cpy, pyr	Outcrop of amphibolite exhibiting minor strain and alteration (plag -> talc). Minor chalcopyrite (<1%) and trace pyrite. Outcrop strikes ~310 or 130.
09-COB-028B	502631	7095472	1120.8	Amphibolite +/ cpy, pyr	Same outcrop as 09-COB-028 next to fault (?) that trends ~040. Here hornblende is altering to chlorite.
09-COB-029	502594	7095583	1137.4	Galena mineralization, quartz vein in amphibolite	Vein within altered amphibolite that contains interstitial chalcopyrite and pyrite, in trench 6. Ampbhibolite here is intensley altered (locally appeas quartzite-like). Trench floor is phyllitic-schist and trends 103. Slickensides within meta-seds on trench floor, likely a fault that was trenched on. Took sample 56823 of quartz vein that cuts amphibolite (took rep).
09-COB-030	502567	7095585	1140.2	Quartz vein	Quartz vein in trench 5, contains unknown silver-black mineral (same vein as 09-COB-029). Took sample 56824 of quartz vein. Quartz vein here cuts highly foliated, schistose to phyllitic meta-sediments.
09-COB-031	502504	7095532	1151.5	Amphibolite	Outcrop of relatively finer-grained amphibolite.
09-COB-032	502530	7095503	1141	Amphibolite	Cliff-forming outcrop of medium-grained amphibolite.

Station	Easting_ NAD83	Northing_ NAD83	Elevation (m)	Rock Type	Notes
09-COB-033	502569	7095496	1132.8	Amphibolite +/ cpy, pyr	Same outcrop as 09-COB-032-- medium-grained amphibolite. Locally appears cooked up and coarser-grained (needles of radiating hornblende or actinolite). Interstitial chalcopyrite and pyrite (<5%). Chalcopyrite, when present, is tarnished and very yellow in colour. Took sample 09-COB-033. Visible mineralogy in rock is hornblende/actinolite + plagioclase + biotite +/- chlorite and late quartz on fractures.
09-COB-034	502602	7095656	1149.1	Amphibolite	Large outcrop of medium-grained amphibolite.
09-COB-035	502609	7095695	1150.1	Amphibolite	Large outcrop of medium-grained amphibolite.
09-COB-036	502510	7095741	1158.5	Meta-seds	Meta-seds near adit, well-developed penetrative fabric.
09-COB-037	502514	7095756	1153.9	Meta-seds	Same outcrop as 09-COB-036-- meta-seds with locally rusty-orange fractures and prolific quartz veining. Quartz veins are foliation parallel and are locally pulled apart.
09-COB-038	502505	7095754	1148.2	Galena mineralization in Meta-seds	Same outcrop as 09-COB-036 and 037-- meta-seds here are s-folded (open folds). Galena (Pb-Ag) vein here exhibits breccia fabrics (vein brecciates country rock). Quartz vein material present as float.
09-COB-039	502495	7095766	1147.5	Meta-seds	On same large cliff-forming outcrop, rocks here have the same ~E-W trend but are much more shallowly dipping (nearly horizontal).
09-COB-040	502502	7095775	1141.7	Meta-seds	On same large cliff-forming outcrop of meta-seds.
09-COB-042	502517	7095716	1148.9	Contact between meta-seds and amphibolite	Contact between psammite (to west) and ambilolite (to east) in Trench 1. Meta-seds appear drag folded along contact.
09-COB-043	502540	7095717	1149.9	Amphibolite overlying meta sediments	Amphibolite overlying meta-sediments on mound between Trenches 1 and 2.

Station	Easting_ NAD83	Northing_ NAD83	Elevation (m)	Rock Type	Notes
09-COB-044	502534	7095638	1145.5	Amphibolite	Whale-back' outcrop of amphibolite trending roughly E-W, between Trenches 2 and 3.
09-COB-045	502555	7095635	1141.4	Amphibolite	Same outcrop as 09-COB-044-- large outcrop of amphibolite.
09-COB-046	502593	7095607	1140.2	Amphibolite	Outcrop of amphibolite at east end of Trench 4. Abundant maganese-stained float on west end of trench.
09-COB-047	502572	7095589	1135.9	Meta-seds	Small outcrop of phyllite poking out on south side of middle of Trench 5.
09-COB-048	502558	7095586	1140.5	Phyllite	Small outcrop of phyllite.
09-COB-049	502583	7095579	1135.2	Phyllite	Small outcrop on west-end, north side of Trench 6 of phyllite. Penetrative planar fabric is ~125/085.
09-COB-050	502613	7095568	1131.8	Phyllite	Meta-sed (phyllite) float in Trench 7, site of soil sample CO-B-03. Abundant meta-sed float.
09-COB-051	502658	7095587	1122.9	Psammite	Psammite psuedo-outcrop (broken up, appears to be in place) at east-end of Trench 7. Psammite here is locally brecciated and rusty. Vein mineralization projected here. Arsenopyrite + pyrite + pyrrhotite within psammite here where it is brecciated (possible extension of vein?). Soil sample CO-B-02 taken here. Sample 56826-56829 taken in this area.
09-COB-052	502651	7095611	1131.6	Amphibolite +/ cpy, pyr	Outcrop of amphibolite that is fine to medium-grained with a xenolith of psammite (<1m) = ortho-amphibolite. Locally quartz veined and presence of disseminated chalcopyrite and pyrite. Slickenside found within showing some internal brittle movement but could not get sense. Locally vuggy generally in areas that are more intensely quartz-veined. Quartz veins are locally iridescent and yellow-orange on internal fractures. No penetrative planar fabric.
09-COB-053	502582	7095626	1141.7	Amphibolite	Outcrop of amphibolite.

Station	Easting_ NAD83	Northing_ NAD83	Elevation (m)	Rock Type	Notes
09-COB-014a	502571	7095607	1140.5	Galena mineralization in amphibolite	Revisiting 09-COB-014 to characterize the Pb-Ag vein. Vein here is almost 100% galena which is present as massive, coarse (1 mm to 1 cm) cubes. Local interstitial rusty red-brown alteration present, outer white rind of anglesite (rare). Inclusions of country rock and vuggy texture rare. Minor local weak blue iridescense. Vein intrudes amphibolte.
09-COB-054	502582	7095659	1154.2	Amphibolite	Fine to medium-grained amphibolite that is locally quartz veined.
09-COB-055	502582	7095683	1157.8	Amphibolite	Same outcrop as 09-COB-054, outcrop trends roughly E-W.
09-COB-056	502548	7095683	1157.5	Amphibolite	Outcrop of amphibolite.
09-COB-057	502520	7095682	1159.2	Amphibolite	Outcrop of amphibolite.
09-COB-058	502503	7095684	1152.7	Amphibolite	Outcrop of amphibolite with prolific quartz veining (same outcrop as 09-COB-057).
09-COB-059	502488	7095656	1151.3	Psammite	Outcrop of psammite next to fault and road. Rock appear to trend roughly 120/060.
09-COB-060	502468	7095661	1154.9	Psammite	Same outcrop as 09-COB-059-- psammite with a penetrative fabric of ~112/051.
09-COB-061	502433	7095705	1161.4	Amphibolite	Outcrop of amphibolite.
09-COB-062	502423	7095726	1159.9	Amphibolite	Outcrop of amphibolite.
09-COB-063	502422	7095733	1157.8	Contact between meta-seds and amphibolite	Contact between psammite and ambilolite.
09-COB-064	502421	7095739	1155.6	Meta-seds	Outcrop of meta-seds (abundant psammite) with a penetrative fabric of 108/048.
09-COB-065	502414	7095751	1159.2	Meta-seds	Same outcrop as 09-COB-065-- large outcrop, by cliff, extends to and past adit.
09-COB-066	502479	7095748	1158.5	Meta-seds	Same large outcrop as 09-COB-065 and 066 of meta-sediments.
09-COB-067	502505	7095734	1155.9	Meta-seds	Same large outcrop as 09-COB-065 to 067 of meta-sediments, near adit.

Station	Easting_ NAD83	Northing_ NAD83	Elevation (m)	Rock Type	Notes
09-COB-068	502523	7095735	1155.6	Galena mineralization @ ADIT	Adit driven through mixed meta-sediments that trend roughly east-west. Vein characterization-- rotten-appearing, incorporated meta-sediment county rock, less galena overall that is finer-grained, less massive appearing (locally cubic and massive). Abundant manganese, interstitial carbonate, locally dolomitic (crystals of saddle dolomite). In general galena is finer-grained with interstitial calcite and dolomite. Vein intrudes meta-sediments, rare anglesite rind. Took two samples: 1) typical vein rock (56830) and 2) intensely manganese-stained. vuggy vein-rock with abundant saddle dolomite and very little galena; to characterize grades with textural relationships.
09-COB-069	502505	7095754	1153.5	Galena mineralization @ cliff-side vein	Same station as 09-COB-038, returned to characterize vein. Mineralization here is present as a vein-breccia with encorporated country rock (abundant to very little), fine to massive cubic galena, local interstitial calcite and rust. Some minor anglesite present as a rind. Minor manganese staining + unknown green mineral (lime green). Took vein sample of typical vein material (56832) to characterize grades with textural and mineralogical relationships. Green stain may relate to high (<7%) Zinc results obtained in 2008 exploration program (?).

Appendix 17.2- Soil sampling descriptions and assays

Station	Easting_ NAD83	Northing_ NAD83	Depth (cm)	Colour	Organics (%)	Description	Sampler	Elevation (m)	Ag (g/t)	Pb (%)	Zn (%)	Cu (%)	Au (ppb)	As (ppm)
									0.1	0.00001	0.0001	0.00001	0.5	0.5
CO-A-01	502678	7095650	20	Rusty @ surface, light brown @ depth	<15%	On hill-side, sandy, next to outcrop of amphibolite.	L.R Blackburn	1131.3	<0.1	0 00138	0.0084	0.00508	2.8	7 8
CO-A-02	502644	7095634	20	Rusty @ surface, light brown @ depth	<15%	On hill-side, sandy, next to outcrop of amphibolite.	L.R. Blackburn	1134.2	0 2	0.00136	0 0042	0.00386	1.6	6.8
CO-A-03	502577	7095608	15	Grey-brown	<5%	Took sample off-course within trench, poorly-developed soil, on trench side-wall.	L R Blackburn	1138.8	31.6	0.76138	0 0573	0 00498	2 4	4.3
CO-A-04	502557	7095581	25	Rusty light-brown	<5%	Clay-rich, @ trench-end, phyllite rock chips	L.R. Blackburn	1137 4	0.1	0.00175	0.0124	0.00321	2	10.2
CO-A-05	502504	7095550	25	Black @ surface, brown @ depth	<5%	Mossy, near hilltop, sandy soil.	L.R Blackburn	1147.9	<0.1	0 00124	0.005	0.00325	65 6	6 8
CO-B-01	502704	7095614	20	Light brown	<5%	Sandy, no rock chips	M. Bindig	1145.3	0.2	0.00179	0.0139	0.0043	2.1	7.1
CO-B-02	502658	7095595	20	Reddish-brown	<5%	In trench, some rock chips	M. Bindig	1125.6	1.3	0.08065	0.038	0.00332	1 1	2.2
CO-B-03	502617	7095566	20	Brown	<5%	Beside Trench, abundant clay	M. Bindig	1132.8	0.2	0.0016	0.0057	0 00173	1.4	8.7
CO-B-04	502572	7095546	25	Reddish-brown	<5%	Abundant clay, no rock chips	M Bindig	1144.8	0 3	0.00206	0.0084	0 00256	3 3	13.9
CO-B-05	502528	7095517	25	Reddish-brown	<5%	Abundant clay, no rock chips	M Bindig	1145	0.2	0.00196	0.0072	0.00229	1 7	12.9
CO-B-06	502481	7095504	25	Reddish-brown	<5%	Beside outcrop, little clay	M Bindig	1141	<0.1	0 00143	0.0069	0.0027	<0.5	11
CO-C-01	502737	7095571	15	Chocolate-brown	<15%	On moss-covered hillside, sandy and dry.	L.R. Blackburn	1116	0.2	0.00331	0.0156	0.00557	2.1	5.4
CO-C-02	502687	7095547	25	Rusty-grey	<5%	On hill-top, nice soil that is clay and sand rich.	L.R. Blackburn	1120.3	0.2	0.00173	0.0097	0.00318	0.6	9.7
CO-C-03	502641	7095518	25	Grey-brown	<5%	Willow-covered area, clay-rich.	L.R. Blackburn	1120.1	0.3	0.00127	0.003	0.00071	0.5	6.3
CO-C-04	502597	7095498	25	Rusy-brown	<10%	On amphibolite o/c, nice clay-rich soil.	L.R Blackburn	1123.9	0.1	0.00189	0.0066	0 00585	1.6	10.6
CO-C-05	502555	7095467	10	Grey-brown	<15%	Next to cliff of amphibolite (fault), clay-rich soil.	L.R. Blackburn	1116 4	0.1	0.00115	0.0097	0.01865	1.4	18.2
CO-C-06	502513	7095441	10	Rusy-brown	<15%	On amphibolite o/c (on fault), nice sand and clay-rich soil.	L.R Blackburn	1120 3	<0.1	0 00143	0.0058	0 00165	3	16.6
CO-C-07	502466	7095418	25	Rusy-brown	<10%	On hillside next to fault, clay and sand-rich.	L.R. Blackburn	1125.3	0 1	0.00151	0.0085	0.00165	1.3	11.7
CO-D-01	502754	7095529	25	Light brown	<5%	Abundant clay, no rock chips.	M. Bindig	1145.3	0.1	0 00127	0.0041	0.00125	1.2	7.1
CO-D-02	502708	7095504	25	Reddish-brown	<5%	Abundant clay, no rock chips.	M. Bindig	1117.2	0.2	0.00167	0 0076	0.00212	1.7	10 6
CO-D-03	502666	7095476	25	Reddish-brown	<5%	Abundant clay, no rock chips	M. Bindig	1116	0.2	0.00155	0.0085	0.00284	2.7	11.3
CO-D-04	502625	7095452	20	Reddish-brown	<5%	Beside outcrop, sandy.	M. Bindig	1119.1	0.2	0.00185	0 0172	0.03972	8.9	7 2
CO-D-05	502579	7095429	15	Dark Brown	<15%	Abundant clay, next to / on fault.	M. Bindig	1120.5	0.2	0.00108	0.028	0.0048	1.6	5.9
CO-D-06	502539	7095401	25	Reddish-brown	<5%	Sandy, no rock chips.	M. Bindig	1126.5	<0 1	0.00137	0 0047	0.00093	0.9	8 6
CO-D-07	502496	7095372	15	Reddish-brown	<5%	Abundant clay, on felsenmeer.	M. Bindig	1129 7	0.3	0.00162	0.0113	0.00193	1.9	12.1
CO-D-08	502451	7095349	20	Dark Brown	<35%	Abundant clay, some rock chips.	M. Bindig	1127.7	0.2	0.00453	0.006	0.00543	1.9	7
CO-E-01	502780	7095485	20	Grey-brown	<5%	Clay and silt-rich, on moss-covered buck-brush slope	L.R. Blackburn	Unk	0 4	0 00143	0.0098	0 00553	1.1	5.6
CO-E-02	502729	7095459	20	Rusty-brown	<10%	Sandy, on moss-covered buck-brush slope. Grey layer above sample.	L.R Blackburn	1101 5	0 1	0.00137	0.0071	0.00188	0.6	8 4
CO-E-03	502687	7095435	15	Rusty-brown	<10%	Sandy, on moss-covered buck-brush slope. Grey layer above sample. Clay-rich, amphibolite o/c above.	L.R. Blackburn	1105.4	0 1	0 00146	0 0069	0.00407	3.5	9 2

Station	Sb (ppm)	Mo (ppm)	Ni (ppm)	Co (ppm)	Mn (ppm)	Fe (%)	U (ppm)	Th (ppm)	Sr (ppm)	Cd (ppm)	Bi (ppm)	V (ppm)	Ca (%)	P (%)	La (ppm)	Cr (ppm)
	0.1	0.1	0.1	0.1	1	0.01	0.1	0.1	1	0.1	0.1	2	0.01	0.001	1	1
CO-A-01	0 6	1 2	21 2	7.5	178	2 27	1	6.2	6	0.3	0 2	43	0 05	0.021	12	25
CO-A-02	0 4	1 4	11	3 8	119	1 9	0.4	2.6	6	0 2	0 2	46	0 05	0 021	9	17
CO-A-03	24.2	3 3	15.9	9 4	530	2 88	1 7	3.9	10	3.9	0 2	46	0.06	0 057	16	20
CO-A-04	0 7	1.6	42	18.7	275	2 59	1 3	3 8	9	0 3	0.2	40	0 08	0.059	16	24
CO-A-05	0.4	0.8	21.5	8 6	197	1 86	1 3	8.2	12	0.2	0.1	29	0.15	0.066	21	20
CO-B-01	0.5	1.4	17.8	5.7	168	2.1	0 8	3.2	10	0.2	0.2	40	0.11	0 025	13	23
CO-B-02	3.5	1.9	18.1	5	128	2 52	1.8	5.7	8	1.1	0 1	42	0.07	0 058	15	23
CO-B-03	0.5	1.3	14.9	5.3	157	2.24	1.2	2 3	6	0.2	0.2	41	0.04	0.053	12	23
CO-B-04	0.9	1.5	27.4	11	249	3.1	0.7	5.1	7	0.4	0.3	45	0.04	0.029	13	28
CO-B-05	0.8	1.3	26 7	11 8	225	2.85	0.7	6	7	0.2	0.2	41	0.05	0 021	12	28
CO-B-06	0.6	1.8	19.3	10	252	2.83	0.6	5.3	7	0 1	0 3	57	0.05	0.036	13	27
CO-C-01	0.4	1.3	51.2	7.1	154	2 08	2.5	0.3	12	0.8	0.2	37	0.11	0.062	16	22
CO-C-02	0.6	1.2	40.2	15	235	2.43	1.1	8.7	11	1	0.2	40	0.09	0 074	17	28
CO-C-03	0.2	1 2	8.2	2 8	82	1.73	0.5	1.8	6	<0.1	0.2	36	0.05	0.049	11	19
CO-C-04	0 6	1.4	25 8	7 9	195	3.05	0 7	6.9	8	0.2	0.2	41	0.06	0 031	14	29
CO-C-05	0 5	1.7	29.7	14.9	186	2.75	1.5	6.3	24	0.3	0.2	45	0.31	0 091	21	28
CO-C-06	0.9	2 3	15.6	4 7	159	3.91	0 6	3.6	4	0 1	0.3	68	0.03	0.023	9	26
CO-C-07	0.7	1.5	19.9	8.3	311	2.84	0.9	4 1	9	0 3	0.2	44	0 08	0.053	11	27
CO-D-01	0.4	1.1	13.2	5	115	2.02	0 8	3 3	7	0.1	0.2	37	0.06	0.042	11	21
CO-D-02	0.7	1.7	22	8	207	2 77	1	8 2	9	0.5	0 2	40	0.09	0.075	15	28
CO-D-03	0.7	1	25.1	11.2	298	2.76	1.7	5 5	9	0.1	0.3	43	0.07	0.05	18	27
CO-D-04	0.7	1.9	39.7	11.9	227	6 71	1 4	1.8	32	0.3	0.2	105	0.2	0.085	9	19
CO-D-05	0.4	1.7	82.4	37.9	266	3 48	2	1.8	15	0.5	0.2	43	0.22	0.082	19	27
CO-D-06	0.5	1.1	12.2	4.4	113	2.28	0.6	3.1	6	0.1	0.3	43	0.04	0 027	13	20
CO-D-07	0.7	1.5	31.9	10 3	207	2.98	0.8	5.4	7	0.4	0.3	51	0.05	0.026	12	31
CO-D-08	0.5	1.3	21.7	4.3	96	1.98	1.8	0.1	9	0.8	0.2	32	0.08	0.076	16	22
CO-E-01	0.5	1	42 4	10.1	187	2 12	1	7 5	12	0.5	0.2	38	0.13	0 061	18	25
CO-E-02	0.5	1.6	15.8	5.7	172	2 56	0 6	3.3	7	0.2	0.2	46	0.05	0.04	10	26
CO-E-03	0.7	1 5	22 1	8 7	217	2 54	1 4	5 7	8	0.2	0 2	42	0 08	0 04	17	25

Station	Mg (%)	Ba (ppm)	Tl (%)	B (ppm)	Al (%)	Na (%)	K (%)	W (ppm)	Hg (ppm)	Sc (ppm)	Tl (ppm)	S (%)	Ga (ppm)	Se (ppm)
	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
CO-A-01	0 42	163	0 025	<20	1.72	0.005	0 04	0 1	0 02	2.2	0.2	<0 05	4	0.9
CO-A-02	0 25	87	0 016	<20	1.2	0 005	0.03	0.1	0.03	1.4	0.1	<0.05	5	0.8
CO-A-03	0 28	119	0.023	<20	0.91	0.005	0.17	<0 1	0.09	2	0 6	0 16	4	1 1
CO-A-04	0.42	109	0.03	<20	1.35	0.006	0.06	0.1	0.02	2	0 1	<0.05	4	1
CO-A-05	0 36	141	0 037	<20	1.42	0.008	0.07	0.1	0 03	2	0.2	<0.05	3	0.6
CO-B-01	0.37	166	0.019	<20	1.26	0.005	0.03	0.1	0.02	2.1	0.2	<0.05	4	<0.5
CO-B-02	0 31	106	0.018	<20	0.82	0.005	0 16	<0 1	<0.01	2.1	0.4	0.14	2	0.9
CO-B-03	0.31	94	0 017	<20	1.33	0.004	0 04	0.1	0 03	1.9	0.1	<0.05	4	0.9
CO-B-04	0 46	143	0.019	<20	1.86	0.004	0.05	<0.1	0.06	2.8	0.1	<0.05	4	0.9
CO-B-05	0.46	181	0.025	<20	1.89	0.005	0.05	0.1	0.05	2.4	0.1	<0.05	4	1.1
CO-B-06	0 43	135	0.029	<20	1.69	0.004	0.04	0.2	0.02	2.2	0.2	<0.05	6	<0 5
CO-C-01	0 37	158	0.017	<20	1.38	0.008	0.1	0.1	0.04	0.9	0 2	<0.05	4	0.7
CO-C-02	0.45	149	0.042	<20	2.1	0.01	0.09	0.3	0.03	2.7	0 2	<0.05	4	0.8
CO-C-03	0 22	87	0.014	<20	1 1	0.004	0.03	<0.1	0.03	1.3	0 1	<0.05	4	0 8
CO-C-04	0 45	134	0.027	<20	1.71	0.006	0.06	0 1	0.03	2.3	0 2	<0 05	4	0 7
CO-C-05	0.57	196	0 059	<20	1.36	0.015	0.11	1.4	0.03	2 5	0.2	<0.05	4	1
CO-C-06	0 24	60	0.054	<20	1.35	0.004	0 04	0 2	0.02	1.7	0.1	<0 05	6	0.8
CO-C-07	0.4	127	0 025	<20	1.83	0.006	0 04	0 2	0 04	2.5	0.1	<0.05	4	1.1
CO-D-01	0.26	105	0 02	<20	1.28	0.004	0.03	0.1	0.03	1.8	0.1	<0.05	4	0.8
CO-D-02	0.42	101	0.041	<20	1.84	0.007	0.07	0.3	0.03	2.3	0.1	<0.05	4	0.9
CO-D-03	0.46	193	0 029	<20	1.68	0.006	0 05	0.2	0 05	4 2	0.1	<0.05	4	1
CO-D-04	0.46	211	0.021	<20	2.26	0.009	0.03	<0.1	0.02	5 2	<0 1	<0.05	5	0.8
CO-D-05	0.42	162	0.034	<20	1.69	0.008	0.06	0.1	0.04	2 2	0.4	0.07	4	1.4
CO-D-06	0.22	89	0.016	<20	1.36	0.004	0.03	0.1	0.03	1 9	0 1	<0.05	5	0.6
CO-D-07	0 43	150	0.025	<20	1.99	0.006	0.04	0.2	0.04	2.4	0.1	<0.05	5	1.3
CO-D-08	0.27	100	0.008	<20	1.27	0.007	0.04	<0.1	0.04	0.3	0.1	<0.05	4	1.4
CO-E-01	0 45	155	0.044	<20	1 48	0 009	0.09	0.2	0.03	2 2	0 2	<0.05	4	1
CO-E-02	0.38	111	0 032	<20	1.61	0.006	0.05	0 2	0.04	1.8	0.1	<0 05	4	0.8
CO-E-03	0.4	135	0.029	<20	1.55	0.005	0.05	0 1	0 03	2.5	0.2	<0 05	4	1.1

Station	Easting_ NAD83	Northing_ NAD83	Depth (cm)	Colour	Organics (%)	Description	Sampler	Elevation (m)	Ag (g/t)	Pb (%)	Zn (%)	Cu (%)	Au (ppb)	As (ppm)
									0.1	0.00001	0.0001	0.00001	0.5	0.5
CO-E-04	502650	7095409	15	Black-brown	<20%	Grass and willow-covered area, clay-rich	L R Blackburn	1108.5	0.3	0 00102	0.0205	0 00641	1.6	5 1
CO-E-05	502603	7095383	15	Rusty grey-brown	<10%	Grass and willow-covered area, clay-rich, on hill-top	L R Blackburn	1116.4	0.1	0.00106	0.0055	0.00223	1 1	5 2
CO-E-06	502562	7095361	15	Rusty-brown	<20%	On hill-top, nice clay-rich soil.	L R. Blackburn	1121.3	0.1	0.00154	0.0066	0.00244	3.2	10.4
CO-E-07	502515	7095334	15	Rusty-brown	<20%	On hill-top, nice clay and silt-rich soil, abundant roots.	L.R. Blackburn	1124.6	0.1	0.00129	0.0096	0.00215	0.9	16 1
CO-E-08	502473	7095308	20	Grey-brown	<5%	Clay-rich.	L R Blackburn	1125.6	0.2	0.00117	0.0052	0.00198	0.9	6
CO-E-09	502428	7095284	20	Grey	<5%	Clay and silt-rich, wet, schist rock chips within sample.	L.R. Blackburn	1123.2	0.4	0.00127	0.0099	0.00761	1.3	4.8
CO-F-01	502805	7095441	20	Dark brown	<5%	Sandy, little clay, no rock chips	M Bindig	1145.3	0.2	0.00354	0.0101	0 00502	1.1	6.8
CO-F-02	502768	7095413	15	Dark brown	<15%	Moderate amounts of clay, no rocks	M. Bindig	1073 9	0 2	0.00131	0.005	0.00552	1.3	5.4
CO-F-03	502718	7095393	20	Dark brown	<15%	Moderate amounts of clay, no rocks	M. Bindig	1088.1	0 1	0 00118	0.02	0 00428	0.8	5 8
CO-F-04	502678	7095369	15	Light brown	<5%	Sandy, took sample on top of rock	M. Bindig	1105.4	0 1	0 00122	0.004	0.00087	0.9	7.1
CO-F-05	502637	7095340	20	Light brown	<5%	Moderate amounts of clay, no rocks	M. Bindig	1108	0.1	0.00149	0.0068	0.00218	46.9	9 6
CO-F-06	502589	7095314	20	Light brown	<5%	Moderate amounts of clay, no rocks	M Bindig	1113 1	<0.1	0 00136	0.0108	0 00342	2.2	7 8
CO-F-07	502549	7095292	20	Reddish-brown	<15%	Sandy, little clay, no rock chips	M. Bindig	1117.6	0 1	0.00156	0.0096	0 00199	1 5	9.6
CO-F-08	502502	7095265	20	Grey-brown	<15%	Some rock chips, little clay	M. Bindig	1122	0 1	0 00131	0.0062	0.0028	1.4	4
CO-F-09	502458	7095243	15	Black-brown	<35%	Little soil, took sample on top of rock	M. Bindig	1122 5	0.1	0.00139	0.0018	0 0047	0.9	2.2
CO-F-10	502418	7095216	20	Light brown	<5%	Abundant clay, no rock chips	M. Bindig	1136.9	0.1	0 00156	0.0064	0 00254	1.6	7.2
CO-G-01	502658	7095693	20	Rusty-grey	<5%	On open hillside, amphibolite outcrop off to side, sandy sample.	L.R. Blackburn	1155.4	<0.1	0 0008	0.0125	0 0012	0.8	4.2
CO-G-02	502613	7095670	10	Rusty-brown	<10%	On amphibolite outcrop, sandy.	L.R. Blackburn	1148.7	<0.1	0.00188	0.0083	0.00444	2.5	11.5
CO-G-03	502575	7095644	20	Grey-brown	<10%	Clay-rich sample taken between road and greenstone outcrop.	L.R. Blackburn	1148.4	2.2	0.04606	0 1422	0.00853	2.5	6.4
CO-G-04	502525	7095617	20	Light brown	0	On trench side-wall, very clay-rich, moist.	L R. Blackburn	1144 6	<0 1	0.00173	0.0243	0.00525	1.1	10.2
CO-G-05	502478	7095591	15	Grey-brown	<10%	On open hilltop, mossy area, clay-rich.	L R. Blackburn	1146.5	0.1	0.00115	0.0041	0 00106	<0.5	6 5
CO-H-01	502629	7095733	20	Light brown	<5%	Beside outcrop, abundant clay	M. Bindig	1150.6	<0 1	0.00214	0.0091	0.00299	0.8	8
CO-H-02	502582	7095709	15	Red	<5%	On outcrop, abundant clay	M. Bindig	1154.7	0.1	0.00209	0.0027	0 00559	15 5	8
CO-H-03	502540	7095683	15	Red	<5%	On outcrop, abundant clay	M. Bindig	1158.7	0 4	0.00284	0.0059	0.00953	1.8	8 8
CO-H-04	502499	7095657	20	Dark brown	<15%	No rock chips, abundant clay	M. Bindig	1152.5	0.2	0.00187	0.0112	0.00246	1.5	5.8
CO-H-05	502453	7095637	20	Brown	<5%	Some rock chips, abundant clay	M. Bindig	1149.1	<0.1	0.00155	0.0061	0 00198	0.8	8 9
CO-I-01	502602	7095770	20	Reddish-brown	<5%	On outcrop, abundant clay	M. Bindig & L.R. Blackburn	1150.1	0.1	0.00188	0.0256	0.00482	3.1	11.2
CO-I-02	502556	7095742	20	Grey-brown	<5%	On push pile, sandy, abundant rock chips	M. Bindig & L.R. Blackburn	1153 2	0 4	0 01491	0.0359	0 00458	2.1	7.9
CO-I-03	502511	7095719	30	Rusty-grey	<5%	Sandy, on trench sidewall	M Bindig & L.R. Blackburn	Unk	0 2	0.01795	0.0673	0 0039	1.8	4 7
CO-I-04	502467	7095694	25	Rusty-brown	<10%	Few rock chips, sandy, near hill-top	M. Bindig & L.R. Blackburn	Unk	<0.1	0 00185	0.0063	0.00158	18.1	8.7
CO-I-05	502425	7095666	15	Rusty-brown	<10%	Near trench-end, clay and sand-rich, near hill-top	M Bindig & L.R. Blackburn	1149.6	0 5	0 0079	0 0082	0 00191	1.6	9 5

Station	Sb (ppm)	Mo (ppm)	Ni (ppm)	Co (ppm)	Mn (ppm)	Fe (%)	U (ppm)	Th (ppm)	Sr (ppm)	Cd (ppm)	Bi (ppm)	V (ppm)	Ca (%)	P (%)	La (ppm)	Cr (ppm)
	0.1	0.1	0.1	0.1	1	0.01	0.1	0.1	1	0.1	0.1	2	0.01	0.001	1	1
CO-E-04	0.4	3 1	81 3	186 8	9974	3 21	2.4	1.2	15	1.5	0 2	35	0 22	0 097	20	24
CO-E-05	0 4	0.9	20.3	7.1	138	1 81	1	8	10	0 3	0.2	33	0 12	0.07	18	22
CO-E-06	0 7	1.7	21 3	6 8	212	2.89	0.8	5.4	7	0.2	0.2	50	0 05	0 027	14	32
CO-E-07	0.6	2 7	19 6	5 8	153	2 37	0 6	2	9	0.2	0.3	75	0 05	0 042	12	22
CO-E-08	0.4	1.5	16 5	7 5	204	1.93	1.5	5.8	10	0 2	0.2	39	0.1	0.048	20	22
CO-E-09	0.5	1.5	29 4	6	125	1 88	1 8	1 9	11	0 7	0.2	34	0.13	0 074	20	23
CO-F-01	0.7	1 8	28 7	8 1	164	2.67	1 2	5.1	11	0.2	0.2	47	0.07	0.033	13	28
CO-F-02	0 3	1.4	14	4	104	1.74	0 7	1 5	9	0.2	0.2	39	0.05	0.024	11	20
CO-F-03	0 3	1.7	49.2	24 3	877	2.9	1 6	1 3	10	0 6	0.2	38	0.1	0.057	15	23
CO-F-04	0 3	1	8.9	4.1	118	2.08	0 6	2	6	0.2	0.2	39	0.04	0.03	9	19
CO-F-05	0 5	1.1	20	7 8	214	2 54	0.6	3 9	6	0 2	0.2	37	0 04	0.027	10	23
CO-F-06	0 5	1.1	32.1	9 6	254	2.29	1.4	5.5	9	0.4	0.2	32	0 11	0.058	14	22
CO-F-07	0 5	1.7	23.6	8.3	269	2.87	0.8	4.4	7	0.5	0.2	43	0.04	0.033	10	26
CO-F-08	0 5	0.8	23.2	10.2	210	1.9	1.2	6.5	10	0.6	0.2	33	0.12	0.06	18	22
CO-F-09	0 4	0.9	4.1	1.4	45	1.17	0.3	<0.1	5	<0.1	0.1	27	0.07	0.089	4	11
CO-F-10	0.4	1.3	15.7	5.8	125	2.45	0.8	5	6	<0.1	0.2	44	0 04	0 034	12	22
CO-G-01	0.3	1 2	14 1	5 3	115	1 76	0.4	3 2	5	0.9	<0.1	40	0 03	0 024	7	21
CO-G-02	0.6	1.7	18 8	6.1	188	2.77	0.5	3.6	50	0.2	0.2	55	0.07	0 033	9	27
CO-G-03	3	1.3	16 8	5 3	493	3.09	0.7	1.6	12	3 8	0.2	71	0.15	0.067	10	24
CO-G-04	0 7	1.3	57 4	11.1	258	2.68	3.1	4.3	14	0.3	0.2	42	0 18	0.079	19	25
CO-G-05	0 2	1	11	4.5	111	1.84	0.6	3.5	7	<0.1	0 2	37	0.06	0 042	12	19
CO-H-01	0.4	1.5	16.9	6.3	171	2.82	0.6	4.6	7	0.4	0.2	49	0.04	0.032	12	27
CO-H-02	0 4	2.2	6.5	2 6	66	2.54	0.3	1.1	6	0.1	0.2	54	0.05	0.025	7	15
CO-H-03	0 4	1.9	12.9	6.8	179	3.7	0.4	2.7	8	0.3	0.3	85	0.05	0.03	9	21
CO-H-04	0 3	1.1	20.9	4.3	144	1.76	1.2	0.2	9	0.2	0.2	33	0.09	0.051	12	20
CO-H-05	0.5	1.3	19.2	7.2	164	2.23	0.8	5.6	8	0.2	0.2	37	0.06	0.034	14	22
CO-I-01	0.7	1.6	76.9	19.5	245	3.04	0.8	6.3	10	0.8	0.2	43	0.1	0.056	12	32
CO-I-02	0.9	1.4	39	13.9	349	2.52	1.7	6.5	11	2.3	0.2	44	0.09	0 051	20	26
CO-I-03	0.7	1	88 9	12 1	437	2 04	1 5	8	12	1 5	0 2	42	0.15	0.067	22	25
CO-I-04	0.4	1.6	15 4	6 1	244	2.71	0.4	3.1	7	0 1	0.2	52	0 04	0 042	9	24
CO-I-05	0.6	1 6	22.6	8	228	2.79	1.1	6	11	0.3	0.2	47	0.11	0 046	13	33

Station	Mg (%)	Ba (ppm)	Tl (%)	B (ppm)	Al (%)	Na (%)	K (%)	W (ppm)	Hg (ppm)	Sc (ppm)	Tl (ppm)	S (%)	Ga (ppm)	Se (ppm)
	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
CO-E-04	0.36	264	0 024	<20	1.41	0.008	0 05	0.1	0.05	1 8	0.6	0 06	4	1 8
CO-E-05	0.37	109	0 043	<20	1.48	0.01	0.06	0 2	0 02	2.3	0.1	<0.05	3	0 7
CO-E-06	0.46	131	0 033	<20	1 63	0 006	0 05	0 2	0.04	2.4	0 1	<0.05	5	1
CO-E-07	0 33	65	0 068	<20	1 03	0.006	0 06	0 2	0.01	1.7	0.1	<0.05	8	0.8
CO-E-08	0 36	176	0.04	<20	1.38	0.008	0.05	0.2	0.03	2 2	0.2	<0.05	4	0.7
CO-E-09	0 4	103	0 03	<20	1.21	0.006	0.07	0.1	0.03	1.5	0.3	<0.05	3	1.5
CO-F-01	0.45	137	0 032	<20	1 62	0 007	0.07	1.3	0.02	2.3	0 2	<0.05	4	0.5
CO-F-02	0 32	112	0 024	<20	1.06	0.007	0 04	1	0 02	1 4	0 2	<0 05	4	<0 5
CO-F-03	0.37	132	0.031	<20	1.42	0.006	0.05	0.1	0.02	1 4	0 1	<0 05	4	0 8
CO-F-04	0.24	105	0.018	<20	1.38	0.004	0.03	0.1	0.02	1 5	0 1	<0 05	4	0.7
CO-F-05	0 37	139	0 018	<20	1.42	0.005	0 03	0 1	0.02	1.8	0 1	<0.05	4	0 6
CO-F-06	0 4	103	0 029	<20	1.41	0.006	0.05	0.2	0.04	1.9	0.2	<0.05	4	1
CO-F-07	0.37	116	0 024	<20	1.66	0.005	0.04	0.1	0.03	2	0.2	<0.05	4	0.8
CO-F-08	0.39	95	0.039	<20	1.52	0.007	0.06	0 2	0.03	2.1	0.1	<0.05	3	0 6
CO-F-09	0.06	25	0.015	<20	0.54	0.011	0.02	<0.1	0.07	0 3	0.1	0.11	3	<0.5
CO-F-10	0.27	86	0.032	<20	1.39	0 006	0.04	0.1	0.06	2.1	0.2	<0.05	5	0 9
CO-G-01	0.33	101	0 041	<20	1 23	0.004	0.07	0.1	0.01	1.5	0.2	<0.05	3	<0 5
CO-G-02	0.38	180	0.03	<20	1.7	0 006	0 05	0.2	0.02	1.9	0.2	<0.05	5	0 7
CO-G-03	0.35	130	0 015	<20	1 35	0.006	0 04	<0.1	0.06	3 8	0.3	<0.05	5	0.8
CO-G-04	0.53	158	0 045	<20	1.54	0.007	0 08	0.1	0 03	3	0.2	<0.05	4	<0 5
CO-G-05	0.24	113	0 027	<20	1.36	0.005	0.04	0.2	0.02	1 7	0.1	<0.05	5	<0 5
CO-H-01	0 4	91	0.035	<20	1.57	0.006	0.05	0.1	0.02	2	0.2	<0.05	5	0.6
CO-H-02	0.14	68	0.015	<20	1.02	0.005	0.02	0.2	0.02	1 1	0.1	<0.05	5	0 6
CO-H-03	0.2	114	0 032	<20	1.71	0.005	0.03	0.1	0.02	2.3	0 2	<0.05	7	0.9
CO-H-04	0.32	74	0 017	<20	0.99	0.005	0.04	0.1	0.02	0.7	0.2	<0.05	4	0.6
CO-H-05	0.38	126	0.034	<20	1.31	0.005	0 06	0.2	0.02	2.1	0.1	<0.05	4	<0 5
CO-I-01	0.47	167	0.031	<20	2.43	0.007	0.06	0.1	0.02	2 6	0 3	<0.05	4	1
CO-I-02	0.42	158	0 038	<20	1.45	0.007	0.09	0 2	0.03	2 9	0 3	<0.05	4	0.6
CO-I-03	0 48	141	0 051	<20	1.5	0.013	0 12	0.3	0.02	2.5	0 3	<0.05	4	<0.5
CO-I-04	0.36	79	0 068	<20	1 02	0.007	0 08	0.3	0.01	1.6	0.1	<0.05	6	<0.5
CO-I-05	0 53	117	0.039	<20	2 23	0 013	0 05	0 1	0 04	3	0.2	<0 05	5	0 8

Station	Easting_ NAD83	Northing_ NAD83	Depth (cm)	Colour	Organics (%)	Description	Sampler	Elevation (m)	Ag (g/t)	Pb (%)	Zn (%)	Cu (%)	Au (ppb)	As (ppm)
									0.1	0.00001	0.0001	0.00001	0.5	0.5
CO-I-Vein	502523	7095743	20	Rusty-brown	<5%	On top of vein between adit and hand dug-pit, abundant clay and sand	M. Bindig & L.R. Blackburn	Unk						
COB-005	502076	7095510	15	Rusty-brown	0	No clay, sandy, on fault, taken from frost-like boil	M. Bindig & L.R. Blackburn	Unk	<0.1	0.00106	0.0073	0.00165	0 8	9.7
COB-006	502141	7093567	20	Grey-brown	<5%	Minor clay, silty taken from frost-like boil.	M. Bindig & L.R. Blackburn	Unk	<0.1	0.00116	0.0069	0.00265	1 4	5 9
COB-018	502333	7094888	15	Light-brown	<5%	Took sample at old fork in road on SW end of property, some meta-sediment rock chips, moist, moderate clay and silt.	M Bindig & L.R. Blackburn	Unk	<0.1	0.00294	0 0165	0 00815	2 8	12
COB-019	502390	7094958	15	Grey-brown	<5%	Took sample from road, abundant rock chips (meta-sed), silt-rich.	M. Bindig & L.R. Blackburn	Unk	0.3	0.00116	0.006	0.00618	8.3	3.2
COB-021	502395	7095097	20	Rusty-grey	<5%	Few rock chips, little clay, sandy, small trees.	M. Bindig & L.R Blackburn	Unk	0.2	0.00173	0.0062	0.00261	0.8	4.8
COB-022	502321	7095138	20	Light-brown	<10%	Clay-rich, no rock chips, on open hilltop. Nearly on projected soil line F	M. Bindig & L.R. Blackburn	Unk	0.2	0.00189	0 0086	0.00347	2.9	12.9
COB-023	502365	7095215	20	Light-brown	<10%	Clay-rich, no rock chips, on open hilltop. Nearly on projected soil line E.	M Bindig & L R Blackburn	Unk	0.2	0 00145	0.0054	0 00172	1.2	7 4

Station	Sb (ppm)	Mo (ppm)	Ni (ppm)	Co (ppm)	Mn (ppm)	Fe (%)	U (ppm)	Th (ppm)	Sr (ppm)	Cd (ppm)	Bi (ppm)	V (ppm)	Ca (%)	P (%)	La (ppm)	Cr (ppm)
	0.1	0.1	0.1	0.1	1	0.01	0.1	0.1	1	0.1	0.1	2	0.01	0.001	1	1
CO-I-Vein																
COB-005	0 4	1.4	17	6 3	154	2.63	0.4	2 1	5	0 1	0 1	56	0.05	0.028	7	28
COB-006	0.4	1.4	22 7	6 8	150	1 99	1	4 6	8	0 1	0.2	35	0.05	0.036	14	21
COB-018	0 7	1	70.5	14.4	360	2.25	1 6	6 6	15	0.3	0.3	35	0.14	0 069	16	21
COB-019	0.4	5.2	12.1	3.9	122	2 55	1	1.7	8	<0 1	0 3	45	0 03	0 033	11	29
COB-021	0 5	1.1	15.6	4.3	144	2.16	0 9	5 4	8	0.3	0.2	32	0.11	0.086	16	23
COB-022	0.6	1.3	24.1	10 7	315	2 88	1 4	6.6	9	0 2	0 3	48	0.05	0.034	14	31
COB-023	0.3	1.2	13.9	4 1	106	1 95	0 8	3.4	7	0 2	0.2	43	0.05	0.026	12	20

Station	Mg (%)	Ba (ppm)	Tl (%)	B (ppm)	Al (%)	Na (%)	K (%)	W (ppm)	Hg (ppm)	Sc (ppm)	Tl (ppm)	S (%)	Ga (ppm)	Se (ppm)
	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
CO-I-Vein														
COB-005	0.38	81	0.042	<20	1 31	0.004	0.05	0 1	0.01	1 9	0.1	<0.05	4	0 6
COB-006	0 35	109	0.023	<20	1 27	0 006	0 05	0 1	0 02	1.5	0.1	<0 05	3	0 5
COB-018	0 44	191	0.045	<20	1.25	0 008	0.08	0 2	0 03	2.8	0 3	<0.05	4	0 7
COB-019	0 49	121	0.032	<20	1.26	0.006	0.09	0 1	0 02	1 5	0.2	<0 05	5	1 5
COB-021	0 31	77	0 034	<20	1.51	0 007	0.06	0 3	0 03	1.6	0 1	<0.05	3	0.8
COB-022	0 45	183	0.026	<20	1.88	0.005	0.06	0.1	0.05	3.2	0 2	<0 05	4	0.6
COB-023	0.24	77	0.024	<20	1.3	0.005	0 03	<0.1	0 02	1.7	0 2	<0.05	5	0.6

Appendix 17.3- Rock sample assay certificates

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

Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Submitted By: Lauren Blackhurn
Receiving Lab: Canada-Vancouver
Received: October 02, 2009
Report Date: November 13, 2009
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN09004668.2

CLIENT JOB INFORMATION

Project:	COBALT HILL
Shipment ID:	
P.O. Number	
Number of Samples:	13

SAMPLE DISPOSAL

DISP-PLP	Dispose of Pulp After 90 days
DISP-RJT	Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	13	Crush, split and pulverize 250 g rock to 200 mesh			VAN
G6	13	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	13	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
G613	3	Fire Assay Ag by gravimetric finished	30	Completed	VAN
7AR	5	1:1:1 Aqua Regia digestion ICP-ES analysis	0.4	Completed	VAN
7AR.1	3	1:1:1 Aqua Regia Digestion ICP-ES Finish	0.1	Completed	VAN

ADDITIONAL COMMENTS

Version 2: Group 6 Ag Grav & 7AR Pb Zn Included

Invoice To: Monster Mining Corp.
Suite 916 - 925 W. Georgia Street
Vancouver BC V6C 3L2
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN
CHIEF ASSAYER

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Project: COBALT HILL
Report Date: November 13, 2009

CERTIFICATE OF ANALYSIS VAN09004668.2

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
56820	Rock		<0.01	0.8	597.8	>10000	9693	>100	254.3	10.3	11	0.74	26.5	0.8	6.4	<0.1	4	100.0	>2000	<0.1	<2
56821	Rock		<0.01	0.2	130.8	3601	330	11.3	14.9	7.8	139	1.57	2.3	<0.1	0.8	<0.1	17	2.2	5.4	<0.1	37
56822	Rock		<0.01	0.6	266.6	8905	144	18.4	73.6	24.2	162	1.66	1.7	<0.1	<0.5	0.1	27	1.1	14.6	<0.1	47
56823	Rock		<0.01	0.3	1.6	76.4	5	<0.1	1.0	0.3	19	0.29	0.7	<0.1	<0.5	0.2	<1	<0.1	<0.1	<0.1	<2
56824	Rock		<0.01	0.5	2.3	232.6	4	0.5	1.3	0.4	17	0.26	1.1	0.1	<0.5	0.3	<1	<0.1	0.4	<0.1	<2
56825	Rock		0.01	0.8	393.4	41.4	38	0.3	27.1	13.9	252	2.51	2.5	<0.1	10.5	0.2	7	0.1	<0.1	<0.1	119
56826	Rock		<0.01	1.1	44.6	226.8	4442	1.3	50.5	19.4	142	4.10	3.2	1.2	2.6	2.9	20	21.6	0.1	0.3	46
56827	Rock		<0.01	4.0	192.1	28.2	66	0.2	57.4	38.3	144	4.06	<0.5	1.1	3.1	3.3	377	0.7	<0.1	0.2	39
56828	Rock		<0.01	0.6	160.4	62.9	159	0.1	13.5	8.3	277	1.85	<0.5	0.1	4.1	0.4	9	0.2	<0.1	<0.1	72
56829	Rock		<0.01	1.7	267.3	1747	>10000	25.1	32.4	34.1	8171	17.83	0.6	2.0	2.6	3.1	11	54.2	17.1	<0.1	21
56830	Rock		0.08	0.3	393.6	>10000	7926	>100	11.3	3.3	79	2.43	<0.5	1.2	34.7	<0.1	8	127.1	1593	<0.1	<2
56831	Rock		<0.01	1.6	158.2	>10000	>10000	73.7	12.3	36.9	>10000	36.39	2.5	0.4	2.8	0.9	3	382.8	41.7	<0.1	27
56832	Rock		0.04	0.3	391.9	>10000	>10000	>100	9.7	39.9	>10000	10.70	<0.5	0.4	22.3	0.3	1	958.5	913.5	0.2	6

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www.acmelab.com

Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: COBALT HILL
Report Date: November 13, 2009

CERTIFICATE OF ANALYSIS VAN09004668.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	G6	7AR
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Ag	Pb
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	gm/mt	%
	MDL	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	5	0.01
56820	Rock	0.04	<0.001	1	<1	<0.01	10	0.002	<20	0 04	<0.001	<0.01	<0.1	0 63	<0.1	0 9	>10	1	18.2	1531	>10
56821	Rock	0.76	0 059	<1	26	0.41	36	0.117	<20	0.87	0.087	0.02	0.1	<0.01	2.7	<0 1	0.16	3	0.8	N.A.	N.A.
56822	Rock	1.06	0 083	1	27	0.43	20	0.144	<20	0.96	0.134	0.02	0.2	<0.01	3.4	<0 1	0.45	3	1.2	N.A.	N.A.
56823	Rock	<0.01	0 001	<1	13	<0.01	1	<0.001	<20	0.01	<0.001	<0.01	<0.1	<0.01	<0 1	<0 1	<0.05	<1	<0.5	N.A.	N.A.
56824	Rock	<0.01	0.002	1	13	0.01	5	<0 001	<20	0 03	<0.001	<0.01	<0.1	<0 01	<0.1	<0 1	<0.05	<1	<0.5	N.A.	N.A.
56825	Rock	1.12	0.118	2	15	0.71	253	0 140	<20	1.12	0.099	0.23	<0.1	<0.01	4.8	0.2	<0.05	5	0 9	N.A	N.A.
56826	Rock	0 58	0.056	8	39	0.56	160	0 048	<20	1 54	0.023	0.25	0.1	<0.01	1 9	0.5	1.82	5	4.4	N.A	N.A.
56827	Rock	4.10	0.276	10	45	1.09	245	0.091	<20	6.64	0.429	0.63	<0.1	<0.01	1.0	0 3	1.34	13	3 3	N.A.	N A.
56828	Rock	1 13	0.112	3	18	0.48	28	0.147	<20	0.86	0.101	0.03	<0.1	<0.01	4.3	<0.1	<0.05	4	0.5	N.A	N A.
56829	Rock	0 03	0.017	13	5	0.01	178	<0.001	<20	0.36	0.002	0.09	<0.1	0.45	3.1	0.5	0.21	4	1.9	N.A	0.19
56830	Rock	<0.01	<0.001	7	<1	<0.01	8	<0 001	<20	0 03	<0.001	<0.01	<0.1	2.21	0.3	0.9	>10	2	12.8	1855	>10
56831	Rock	0.10	<0.001	5	5	0.49	17	<0.001	<20	0.10	<0.001	0.06	<0.1	0.39	3.7	0 2	1.57	5	6 6	N A.	4 08
56832	Rock	0.04	0.001	2	<1	0.23	7	<0.001	<20	0.04	<0.001	0.01	<0.1	1.24	0.6	1.1	9.35	5	22 5	820	>10

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

Client: **Keno Hill Exploration**
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Project: COBALT HILL
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CERTIFICATE OF ANALYSIS VAN09004668.2

	Method	7AR	7AR.1
	Analyte	Zn	Pb
	Unit	%	%
	MDL	0.01	0.01
56820	Rock	1.02	81.81
56821	Rock	N A.	
56822	Rock	N A.	
56823	Rock	N.A.	
56824	Rock	N.A	
56825	Rock	N.A.	
56826	Rock	N.A.	
56827	Rock	N.A.	
56828	Rock	N.A.	
56829	Rock	1 13	
56830	Rock	0 84	74.61
56831	Rock	5.24	
56832	Rock	9 08	49 49

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QUALITY CONTROL REPORT VAN09004668.2

	Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
Reference Materials																					
STD AGPROOF	Standard																				
STD CCU-1C	Standard																				
STD CDN-ME-6	Standard																				
STD CZN-3	Standard																				
STD DS7	Standard			22.9	110.9	69.1	407	0.7	57.8	9.8	651	2.60	53.3	4.4	48.6	3.9	65	6.6	3.7	4.4	83
STD GBM997-6	Standard																				
STD GC-7	Standard																				
STD OREAS45PA	Standard			1.1	604.4	19.2	122	0.2	303.8	111.2	1178	17.73	4.1	1.1	42.6	6.2	14	<0.1	0.1	0.2	230
STD OXH55	Standard		1.36																		
STD OXH55	Standard		1.32																		
STD OXK69	Standard		3.61																		
STD PTC-1A	Standard																				
STD R4A	Standard																				
STD OXH55 Expected			1.282																		
STD OXK69 Expected			3.583																		
STD DS7 Expected				20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84
STD OREAS45PA Expected				0.9	600	19	119	0.3	281	104	1130	16.569	4.2	1.2	43	6	14	0.09	0.13	0.18	221
STD GC-7 Expected																					
STD R4A Expected																					
STD CZN-3 Expected																					
STD PTC-1A Expected																					
STD CCU-1C Expected																					
STD GBM997-6 Expected																					
STD CDN-ME-6 Expected																					
STD AGPROOF Expected																					
BLK	Blank		<0.01																		
BLK	Blank		<0.01																		
BLK	Blank		<0.01																		

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www.acmelab.com

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PO Box 15
Keno City YT Y0B 1M0 Canada

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QUALITY CONTROL REPORT VAN09004668.2

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	G6	7AR
		Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Ag	Pb
		Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	gm/mt	%
		MDL	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	5	0.01
Reference Materials																						
STD AGPROOF	Standard																				89	
STD CCU-1C	Standard																					
STD CDN-ME-6	Standard																				106	
STD CZN-3	Standard																					
STD DS7	Standard		0 95	0.085	11	210	1.05	431	0.106	32	1.04	0.095	0.48	3.2	0.18	2 4	4 2	0.20	5	4.3		
STD GBM997-6	Standard																					
STD GC-7	Standard																					>10
STD OREAS45PA	Standard		0.25	0.038	16	965	0.10	189	0.118	<20	3.52	0.005	0 07	<0.1	0.03	44.8	<0 1	<0.05	17	0 5		
STD OXH55	Standard																					
STD OXH55	Standard																					
STD OXK69	Standard																					
STD PTC-1A	Standard																					
STD R4A	Standard																					1.51
STD OXH55 Expected																						
STD OXK69 Expected																						
STD DS7 Expected			0.93	0.08	12	179	1 05	370	0.124	39	0.959	0.089	0 44	3.4	0.2	2.5	4 2	0.19	5	3.5		
STD OREAS45PA Expected			0 2411	0 034	16.2	873	0.095	187	0.124		3.34	0 011	0 0665	0.011	0.03	43	0 07	0 03	16.8	0.54		
STD GC-7 Expected																						10.44
STD R4A Expected																						1.503
STD CZN-3 Expected																						
STD PTC-1A Expected																						
STD CCU-1C Expected																						
STD GBM997-6 Expected																						
STD CDN-ME-6 Expected																					101	
STD AGPROOF Expected																					100	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					

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QUALITY CONTROL REPORT VAN09004668.2

	Method	7AR	7AR.1
	Analyte	Zn	Pb
	Unit	%	%
	MDL	0.01	0.01
Reference Materials			
STD AGPROOF	Standard		
STD CCU-1C	Standard		0.39
STD CDN-ME-6	Standard		
STD CZN-3	Standard		0.14
STD DS7	Standard		
STD GBM997-6	Standard		23.46
STD GC-7	Standard	21.89	
STD OREAS45PA	Standard		
STD OXH55	Standard		
STD OXH55	Standard		
STD OXK69	Standard		
STD PTC-1A	Standard		0.09
STD R4A	Standard	3.32	
STD OXH55 Expected			
STD OXK69 Expected			
STD DS7 Expected			
STD OREAS45PA Expected			
STD GC-7 Expected		22.06	
STD R4A Expected		3.31	
STD CZN-3 Expected			0.113
STD PTC-1A Expected			0.05
STD CCU-1C Expected			0.34
STD GBM997-6 Expected			24.9095
STD CDN-ME-6 Expected			
STD AGPROOF Expected			
BLK	Blank		
BLK	Blank		
BLK	Blank		

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Keno City YT Y0B 1M0 Canada

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QUALITY CONTROL REPORT VAN09004668.2

		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	gm/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
BLK	Blank		<0.01																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank		<0.01	0.2	2.6	12.1	49	<0.1	4.2	4.7	557	2.08	0.9	1.5	1.2	3.9	53	<0.1	<0.1	<0.1	39
G1	Prep Blank		<0.01	0.1	1.9	311.6	46	0.5	3.7	4.6	549	1.92	0.8	1.4	<0.5	3.0	47	<0.1	0.3	<0.1	36

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
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PO Box 15
Keno City YT Y0B 1M0 Canada

Project: COBALT HILL
Report Date: November 13, 2009

QUALITY CONTROL REPORT VAN09004668.2

		1DX Ca % 0.01	1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Tl % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Tl ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	G6 Ag gm/mt 5	7AR Pb % 0.01
BLK	Blank																				
BLK	Blank	<0.01	<0.001	<1	<1	<0 01	<1	<0.001	<20	<0.01	<0 001	<0.01	<0.1	<0 01	<0.1	<0.1	<0 05	<1	<0.5		
BLK	Blank																				<0 01
BLK	Blank																				
BLK	Blank																			<5	
BLK	Blank																			<5	
Prep Wash																					
G1	Prep Blank	0.55	0.090	7	9	0 60	264	0.124	<20	1 01	0.083	0.55	<0.1	<0.01	2.0	0 4	<0 05	5	0.5	N.A.	N.A.
G1	Prep Blank	0.52	0.090	6	8	0.59	247	0.116	<20	0.94	0.066	0.53	<0 1	<0.01	1.8	0.4	<0.05	5	<0 5	N A.	N.A.

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		7AR Zn % 0.01	7AR.1 Pb % 0.01
BLK	Blank		
BLK	Blank		
BLK	Blank	<0.01	
BLK	Blank		<0.01
BLK	Blank		
BLK	Blank		
Prep Wash			
G1	Prep Blank	N.A.	
G1	Prep Blank	N.A	

Appendix 17.4- Soil sample assay certificates

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

Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Submitted By: Lauren Blackhurn
Receiving Lab: Canada-Vancouver
Received: October 02, 2009
Report Date: October 20, 2009
Page: 1 of 4

CERTIFICATE OF ANALYSIS VAN09004666.2

CLIENT JOB INFORMATION

Project: COBALT HILL
Shipment ID.
P.O. Number
Number of Samples: 67

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	67	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	67	Dry at 60C			VAN
1DX1	67	1 1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2. Reporting Unit for Cu Pb Zn in %, Ag in gm/t

Invoice To: Monster Mining Corp.
Suite 916 - 925 W. Hastings St.
Vancouver BC V6C 3L2
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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CERTIFICATE OF ANALYSIS VAN09004666.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	%	%	%	gm/mt	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	1e-005	1e-005	0.0001	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
CO-A-01	Soil	1.2	0.0051	0.0014	0.0084	<0.1	21.2	7.5	178	2.27	7.8	1.0	2.8	6.2	6	0.3	0.6	0.2	43	0.05	0.021
CO-A-02	Soil	1.4	0.0039	0.0014	0.0042	0.2	11.0	3.8	119	1.90	6.8	0.4	1.6	2.6	6	0.2	0.4	0.2	46	0.05	0.021
CO-A-03	Soil	3.3	0.0050	0.7614	0.0573	31.6	15.9	9.4	530	2.88	4.3	1.7	2.4	3.9	10	3.9	24.2	0.2	46	0.06	0.057
CO-A-04	Soil	1.6	0.0032	0.0017	0.0124	0.1	42.0	18.7	275	2.59	10.2	1.3	2.0	3.8	9	0.3	0.7	0.2	40	0.08	0.059
CO-A-05	Soil	0.8	0.0033	0.0012	0.0050	<0.1	21.5	8.6	197	1.86	6.8	1.3	65.6	8.2	12	0.2	0.4	0.1	29	0.15	0.066
CO-B-01	Soil	1.4	0.0043	0.0018	0.0139	0.2	17.8	5.7	168	2.10	7.1	0.8	2.1	3.2	10	0.2	0.5	0.2	40	0.11	0.025
CO-B-02	Soil	1.9	0.0033	0.0806	0.0380	1.3	18.1	5.0	128	2.52	2.2	1.8	1.1	5.7	8	1.1	3.5	0.1	42	0.07	0.058
CO-B-03	Soil	1.3	0.0017	0.0016	0.0057	0.2	14.9	5.3	167	2.24	8.7	1.2	1.4	2.3	6	0.2	0.5	0.2	41	0.04	0.053
CO-B-04	Soil	1.5	0.0026	0.0021	0.0084	0.3	27.4	11.0	249	3.10	13.9	0.7	3.3	5.1	7	0.4	0.9	0.3	45	0.04	0.029
CO-B-05	Soil	1.3	0.0023	0.0020	0.0072	0.2	26.7	11.8	225	2.85	12.9	0.7	1.7	6.0	7	0.2	0.8	0.2	41	0.05	0.021
CO-B-06	Soil	1.8	0.0027	0.0014	0.0069	<0.1	19.3	10.0	252	2.83	11.0	0.6	<0.5	5.3	7	0.1	0.6	0.3	57	0.05	0.036
CO-C-01	Soil	1.3	0.0056	0.0033	0.0156	0.2	51.2	7.1	164	2.08	5.4	2.5	2.1	0.3	12	0.8	0.4	0.2	37	0.11	0.062
CO-C-02	Soil	1.2	0.0032	0.0017	0.0097	0.2	40.2	15.0	235	2.43	9.7	1.1	0.6	8.7	11	1.0	0.6	0.2	40	0.09	0.074
CO-C-03	Soil	1.2	0.0007	0.0013	0.0030	0.3	8.2	2.8	82	1.73	6.3	0.5	0.5	1.8	6	<0.1	0.2	0.2	36	0.05	0.049
CO-C-04	Soil	1.4	0.0059	0.0019	0.0066	0.1	25.8	7.9	195	3.05	10.6	0.7	1.6	6.9	8	0.2	0.6	0.2	41	0.06	0.031
CO-C-05	Soil	1.7	0.0186	0.0011	0.0097	0.1	29.7	14.9	186	2.75	18.2	1.5	1.4	6.3	24	0.3	0.5	0.2	45	0.31	0.091
CO-C-06	Soil	2.3	0.0016	0.0014	0.0058	<0.1	15.6	4.7	159	3.91	16.6	0.6	3.0	3.6	4	0.1	0.9	0.3	68	0.03	0.023
CO-C-07	Soil	1.5	0.0017	0.0015	0.0085	0.1	19.9	8.3	311	2.84	11.7	0.9	1.3	4.1	9	0.3	0.7	0.2	44	0.08	0.053
CO-D-01	Soil	1.1	0.0012	0.0013	0.0041	0.1	13.2	5.0	115	2.02	7.1	0.8	1.2	3.3	7	0.1	0.4	0.2	37	0.06	0.042
CO-D-02	Soil	1.7	0.0021	0.0017	0.0076	0.2	22.0	8.0	207	2.77	10.6	1.0	1.7	8.2	9	0.5	0.7	0.2	40	0.09	0.075
CO-D-03	Soil	1.0	0.0028	0.0016	0.0085	0.2	25.1	11.2	298	2.76	11.3	1.7	2.7	5.5	9	0.1	0.7	0.3	43	0.07	0.050
CO-D-04	Soil	1.9	0.0397	0.0019	0.0172	0.2	39.7	11.9	227	6.71	7.2	1.4	8.9	1.8	32	0.3	0.7	0.2	105	0.20	0.085
CO-D-05	Soil	1.7	0.0048	0.0011	0.0280	0.2	82.4	37.9	266	3.48	5.9	2.0	1.6	1.8	15	0.5	0.4	0.2	43	0.22	0.082
CO-D-06	Soil	1.1	0.0009	0.0014	0.0047	<0.1	12.2	4.4	113	2.28	8.6	0.6	0.9	3.1	6	0.1	0.5	0.3	43	0.04	0.027
CO-D-07	Soil	1.5	0.0019	0.0016	0.0113	0.3	31.9	10.3	207	2.98	12.1	0.8	1.9	5.4	7	0.4	0.7	0.3	51	0.05	0.026
CO-D-08	Soil	1.3	0.0054	0.0045	0.0060	0.2	21.7	4.3	96	1.98	7.0	1.8	1.9	0.1	9	0.8	0.5	0.2	32	0.08	0.076
CO-E-01	Soil	1.0	0.0055	0.0014	0.0098	0.4	42.4	10.1	187	2.12	5.6	1.0	1.1	7.5	12	0.5	0.5	0.2	38	0.13	0.061
CO-E-02	Soil	1.6	0.0019	0.0014	0.0071	0.1	15.8	5.7	172	2.56	8.4	0.6	0.6	3.3	7	0.2	0.5	0.2	46	0.05	0.040
CO-E-03	Soil	1.5	0.0041	0.0015	0.0069	0.1	22.1	8.7	217	2.54	9.2	1.4	3.5	5.7	8	0.2	0.7	0.2	42	0.08	0.040
CO-E-04	Soil	3.1	0.0064	0.0010	0.0205	0.3	81.3	186.8	9974	3.21	5.1	2.4	1.8	1.2	15	1.5	0.4	0.2	35	0.22	0.097

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

Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: COBALT HILL
Report Date: October 20, 2009

CERTIFICATE OF ANALYSIS VAN09004666.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
CO-A-01	Soil	12	25	0 42	163	0.025	<20	1 72	0.005	0.04	0.1	0 02	2.2	0.2	<0 05	4	0 9
CO-A-02	Soil	9	17	0.25	87	0.016	<20	1 20	0.005	0 03	0.1	0.03	1.4	0.1	<0.05	5	0 8
CO-A-03	Soil	16	20	0.28	119	0.023	<20	0.91	0.005	0 17	<0.1	0.09	2.0	0.6	0 16	4	1 1
CO-A-04	Soil	16	24	0.42	109	0.030	<20	1.35	0 006	0.06	0.1	0.02	2.0	0.1	<0 05	4	1 0
CO-A-05	Soil	21	20	0.36	141	0.037	<20	1.42	0.008	0.07	0.1	0.03	2.0	0.2	<0.05	3	0.6
CO-B-01	Soil	13	23	0.37	166	0.019	<20	1.26	0.005	0 03	0.1	0.02	2.1	0.2	<0.05	4	<0.5
CO-B-02	Soil	15	23	0.31	106	0.018	<20	0.82	0.005	0.16	<0.1	<0.01	2.1	0 4	0.14	2	0.9
CO-B-03	Soil	12	23	0 31	94	0.017	<20	1.33	0.004	0.04	0.1	0.03	1.9	0.1	<0.05	4	0.9
CO-B-04	Soil	13	28	0 46	143	0.019	<20	1.86	0.004	0.05	<0.1	0.06	2 8	0 1	<0 05	4	0.9
CO-B-05	Soil	12	28	0.46	181	0.025	<20	1.89	0 005	0.05	0.1	0.05	2 4	0.1	<0.05	4	1.1
CO-B-06	Soil	13	27	0.43	135	0.029	<20	1.69	0.004	0.04	0.2	0.02	2.2	0 2	<0.05	6	<0.5
CO-C-01	Soil	16	22	0 37	158	0.017	<20	1.38	0 008	0.10	0.1	0.04	0.9	0.2	<0.05	4	0.7
CO-C-02	Soil	17	28	0.45	149	0.042	<20	2.10	0.010	0.09	0 3	0.03	2 7	0 2	<0.05	4	0 8
CO-C-03	Soil	11	19	0 22	87	0.014	<20	1.10	0.004	0.03	<0.1	0 03	1.3	0.1	<0.05	4	0.8
CO-C-04	Soil	14	29	0 45	134	0.027	<20	1.71	0 006	0.06	0.1	0 03	2.3	0.2	<0.05	4	0.7
CO-C-05	Soil	21	28	0 57	196	0.059	<20	1.36	0 015	0 11	1.4	0 03	2 5	0.2	<0.05	4	1.0
CO-C-06	Soil	9	26	0.24	60	0.054	<20	1.35	0 004	0.04	0.2	0 02	1.7	0.1	<0.05	6	0.8
CO-C-07	Soil	11	27	0.40	127	0.025	<20	1.83	0 006	0.04	0.2	0.04	2.5	0.1	<0.05	4	1 1
CO-D-01	Soil	11	21	0.26	105	0.020	<20	1.28	0.004	0.03	0 1	0 03	1 8	0 1	<0.05	4	0.8
CO-D-02	Soil	16	28	0.42	101	0.041	<20	1.84	0 007	0.07	0 3	0.03	2.3	0.1	<0.05	4	0.9
CO-D-03	Soil	18	27	0.46	193	0.029	<20	1.68	0.006	0.05	0.2	0.05	4 2	0.1	<0.05	4	1 0
CO-D-04	Soil	9	19	0.46	211	0 021	<20	2 26	0.009	0.03	<0.1	0.02	5.2	<0.1	<0.05	5	0.8
CO-D-05	Soil	19	27	0.42	162	0.034	<20	1.69	0.008	0.06	0.1	0.04	2.2	0.4	0.07	4	1 4
CO-D-06	Soil	13	20	0.22	89	0.016	<20	1.36	0.004	0.03	0.1	0.03	1.9	0.1	<0 05	5	0 6
CO-D-07	Soil	12	31	0.43	150	0.026	<20	1.99	0.006	0 04	0.2	0.04	2.4	0.1	<0.05	5	1.3
CO-D-08	Soil	16	22	0.27	100	0.008	<20	1.27	0.007	0 04	<0.1	0.04	0.3	0.1	<0.05	4	1.4
CO-E-01	Soil	18	25	0.45	155	0.044	<20	1.48	0 009	0.09	0.2	0 03	2.2	0 2	<0.05	4	1.0
CO-E-02	Soil	10	26	0.38	111	0 032	<20	1.61	0.006	0.05	0.2	0 04	1.8	0.1	<0.05	4	0.8
CO-E-03	Soil	17	25	0.40	135	0.029	<20	1.55	0.005	0 05	0.1	0.03	2 5	0.2	<0.05	4	1.1
CO-E-04	Soil	20	24	0 36	264	0 024	<20	1.41	0.008	0.05	0.1	0.05	1.8	0.6	0 06	4	1.8

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
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www.acmelab.com

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PO Box 15
Keno City YT Y0B 1M0 Canada

Project: COBALT HILL
Report Date: October 20, 2009

CERTIFICATE OF ANALYSIS VAN09004666.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	%	%	%	gm/mt	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	1e-005	1e-005	0.0001	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
CO-E-05	Soil	0.9	0.0022	0.0011	0.0055	0.1	20.3	7.1	138	1.81	5.2	1.0	1.1	8.0	10	0.3	0.4	0.2	33	0.12	0.070
CO-E-06	Soil	1.7	0.0024	0.0015	0.0066	0.1	21.3	6.8	212	2.89	10.4	0.8	3.2	5.4	7	0.2	0.7	0.2	50	0.05	0.027
CO-E-07	Soil	2.7	0.0022	0.0013	0.0096	0.1	19.6	5.8	153	2.37	16.1	0.6	0.9	2.0	9	0.2	0.6	0.3	75	0.05	0.042
CO-E-08	Soil	1.5	0.0020	0.0012	0.0052	0.2	16.5	7.5	204	1.93	6.0	1.5	0.9	5.6	10	0.2	0.4	0.2	39	0.10	0.048
CO-E-09	Soil	1.5	0.0076	0.0013	0.0099	0.4	29.4	6.0	125	1.68	4.8	1.8	1.3	1.9	11	0.7	0.5	0.2	34	0.13	0.074
CO-F-01	Soil	1.8	0.0050	0.0035	0.0101	0.2	28.7	8.1	164	2.67	6.8	1.2	1.1	5.1	11	0.2	0.7	0.2	47	0.07	0.033
CO-F-02	Soil	1.4	0.0055	0.0013	0.0050	0.2	14.0	4.0	104	1.74	5.4	0.7	1.3	1.5	9	0.2	0.3	0.2	39	0.05	0.024
CO-F-03	Soil	1.7	0.0043	0.0012	0.0200	0.1	49.2	24.3	877	2.90	5.8	1.6	0.8	1.3	10	0.6	0.3	0.2	38	0.10	0.057
CO-F-04	Soil	1.0	0.0009	0.0012	0.0040	0.1	8.9	4.1	118	2.08	7.1	0.6	0.9	2.0	6	0.2	0.3	0.2	39	0.04	0.030
CO-F-05	Soil	1.1	0.0022	0.0015	0.0068	0.1	20.0	7.8	214	2.54	9.6	0.6	46.9	3.9	6	0.2	0.5	0.2	37	0.04	0.027
CO-F-06	Soil	1.1	0.0034	0.0014	0.0108	<0.1	32.1	9.6	264	2.29	7.8	1.4	2.2	5.5	9	0.4	0.5	0.2	32	0.11	0.058
CO-F-07	Soil	1.7	0.0020	0.0016	0.0096	0.1	23.6	8.3	269	2.87	9.6	0.8	1.5	4.4	7	0.5	0.5	0.2	43	0.04	0.033
CO-F-08	Soil	0.8	0.0028	0.0013	0.0062	0.1	23.2	10.2	210	1.90	4.0	1.2	1.4	6.5	10	0.6	0.5	0.2	33	0.12	0.060
CO-F-09	Soil	0.9	0.0047	0.0014	0.0018	0.1	4.1	1.4	45	1.17	2.2	0.3	0.9	<0.1	5	<0.1	0.4	0.1	27	0.07	0.089
CO-F-10	Soil	1.3	0.0025	0.0016	0.0064	0.1	15.7	5.8	125	2.45	7.2	0.8	1.6	5.0	6	<0.1	0.4	0.2	44	0.04	0.034
CO-G-01	Soil	1.2	0.0012	0.0008	0.0125	<0.1	14.1	5.3	115	1.76	4.2	0.4	0.8	3.2	5	0.9	0.3	<0.1	40	0.03	0.024
CO-G-02	Soil	1.7	0.0044	0.0019	0.0083	<0.1	18.8	6.1	188	2.77	11.5	0.5	2.5	3.6	50	0.2	0.6	0.2	55	0.07	0.033
CO-G-03	Soil	1.3	0.0085	0.0461	0.1422	2.2	16.8	5.3	493	3.09	6.4	0.7	2.5	1.6	12	3.8	3.0	0.2	71	0.15	0.067
CO-G-04	Soil	1.3	0.0052	0.0017	0.0243	<0.1	57.4	11.1	258	2.68	10.2	3.1	1.1	4.3	14	0.3	0.7	0.2	42	0.18	0.079
CO-G-05	Soil	1.0	0.0011	0.0012	0.0041	0.1	11.0	4.5	111	1.84	6.5	0.6	<0.5	3.5	7	<0.1	0.2	0.2	37	0.06	0.042
CO-H-01	Soil	1.5	0.0030	0.0021	0.0091	<0.1	16.9	6.3	171	2.82	8.0	0.6	0.8	4.6	7	0.4	0.4	0.2	49	0.04	0.032
CO-H-02	Soil	2.2	0.0056	0.0021	0.0027	0.1	6.5	2.6	66	2.54	8.0	0.3	15.5	1.1	6	0.1	0.4	0.2	54	0.05	0.025
CO-H-03	Soil	1.9	0.0095	0.0028	0.0059	0.4	12.9	6.8	179	3.70	8.8	0.4	1.8	2.7	8	0.3	0.4	0.3	85	0.05	0.030
CO-H-04	Soil	1.1	0.0025	0.0019	0.0112	0.2	20.9	4.3	144	1.76	5.8	1.2	1.5	0.2	9	0.2	0.3	0.2	33	0.09	0.051
CO-H-05	Soil	1.3	0.0020	0.0016	0.0061	<0.1	19.2	7.2	164	2.23	8.9	0.8	0.8	5.6	8	0.2	0.5	0.2	37	0.06	0.034
CO-I-01	Soil	1.6	0.0048	0.0019	0.0256	0.1	76.9	19.5	245	3.04	11.2	0.8	3.1	6.3	10	0.8	0.7	0.2	43	0.10	0.056
CO-I-02	Soil	1.4	0.0046	0.0149	0.0359	0.4	39.0	13.9	349	2.52	7.9	1.7	2.1	6.5	11	2.3	0.9	0.2	44	0.09	0.051
CO-I-03	Soil	1.0	0.0039	0.0180	0.0673	0.2	88.9	12.1	437	2.04	4.7	1.5	1.8	8.0	12	1.5	0.7	0.2	42	0.15	0.067
CO-I-04	Soil	1.6	0.0016	0.0018	0.0063	<0.1	15.4	6.1	244	2.71	8.7	0.4	18.1	3.1	7	0.1	0.4	0.2	52	0.04	0.042
CO-I-05	Soil	1.6	0.0019	0.0079	0.0082	0.5	22.6	8.0	228	2.79	9.5	1.1	1.6	6.0	11	0.3	0.6	0.2	47	0.11	0.046

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

Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

Project: COBALT HILL
Report Date: October 20, 2009

CERTIFICATE OF ANALYSIS VAN09004666.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
CO-E-05	Soil	18	22	0.37	109	0.043	<20	1.48	0.010	0.06	0.2	0.02	2.3	0.1	<0.05	3	0.7
CO-E-06	Soil	14	32	0.46	131	0.033	<20	1.63	0.006	0.05	0.2	0.04	2.4	0.1	<0.05	5	1.0
CO-E-07	Soil	12	22	0.33	65	0.068	<20	1.03	0.006	0.06	0.2	0.01	1.7	0.1	<0.05	8	0.8
CO-E-08	Soil	20	22	0.36	176	0.040	<20	1.38	0.008	0.05	0.2	0.03	2.2	0.2	<0.05	4	0.7
CO-E-09	Soil	20	23	0.40	103	0.030	<20	1.21	0.006	0.07	0.1	0.03	1.6	0.3	<0.05	3	1.5
CO-F-01	Soil	13	28	0.45	137	0.032	<20	1.62	0.007	0.07	1.3	0.02	2.3	0.2	<0.05	4	0.5
CO-F-02	Soil	11	20	0.32	112	0.024	<20	1.06	0.007	0.04	1.0	0.02	1.4	0.2	<0.05	4	<0.5
CO-F-03	Soil	16	23	0.37	132	0.031	<20	1.42	0.006	0.05	0.1	0.02	1.4	0.1	<0.05	4	0.8
CO-F-04	Soil	9	19	0.24	105	0.018	<20	1.38	0.004	0.03	0.1	0.02	1.5	0.1	<0.05	4	0.7
CO-F-05	Soil	10	23	0.37	139	0.018	<20	1.42	0.005	0.03	0.1	0.02	1.8	0.1	<0.05	4	0.6
CO-F-06	Soil	14	22	0.40	103	0.029	<20	1.41	0.006	0.05	0.2	0.04	1.9	0.2	<0.05	4	1.0
CO-F-07	Soil	10	26	0.37	116	0.024	<20	1.66	0.005	0.04	0.1	0.03	2.0	0.2	<0.05	4	0.8
CO-F-08	Soil	18	22	0.39	95	0.039	<20	1.52	0.007	0.06	0.2	0.03	2.1	0.1	<0.05	3	0.6
CO-F-09	Soil	4	11	0.06	25	0.015	<20	0.54	0.011	0.02	<0.1	0.07	0.3	0.1	0.11	3	<0.5
CO-F-10	Soil	12	22	0.27	86	0.032	<20	1.39	0.006	0.04	0.1	0.06	2.1	0.2	<0.05	5	0.9
CO-G-01	Soil	7	21	0.33	101	0.041	<20	1.23	0.004	0.07	0.1	0.01	1.5	0.2	<0.05	3	<0.5
CO-G-02	Soil	9	27	0.38	180	0.030	<20	1.70	0.006	0.05	0.2	0.02	1.9	0.2	<0.05	5	0.7
CO-G-03	Soil	10	24	0.35	130	0.015	<20	1.35	0.006	0.04	<0.1	0.06	3.8	0.3	<0.05	5	0.8
CO-G-04	Soil	19	25	0.53	158	0.045	<20	1.54	0.007	0.08	0.1	0.03	3.0	0.2	<0.05	4	<0.5
CO-G-05	Soil	12	19	0.24	113	0.027	<20	1.36	0.005	0.04	0.2	0.02	1.7	0.1	<0.05	5	<0.5
CO-H-01	Soil	12	27	0.40	91	0.035	<20	1.57	0.006	0.05	0.1	0.02	2.0	0.2	<0.05	5	0.6
CO-H-02	Soil	7	15	0.14	68	0.015	<20	1.02	0.005	0.02	0.2	0.02	1.1	0.1	<0.05	5	0.6
CO-H-03	Soil	9	21	0.20	114	0.032	<20	1.71	0.005	0.03	0.1	0.02	2.3	0.2	<0.05	7	0.9
CO-H-04	Soil	12	20	0.32	74	0.017	<20	0.99	0.005	0.04	0.1	0.02	0.7	0.2	<0.05	4	0.6
CO-H-05	Soil	14	22	0.38	126	0.034	<20	1.31	0.005	0.06	0.2	0.02	2.1	0.1	<0.05	4	<0.5
CO-I-01	Soil	12	32	0.47	167	0.031	<20	2.43	0.007	0.08	0.1	0.02	2.6	0.3	<0.05	4	1.0
CO-I-02	Soil	20	26	0.42	158	0.038	<20	1.45	0.007	0.09	0.2	0.03	2.9	0.3	<0.05	4	0.6
CO-I-03	Soil	22	25	0.48	141	0.051	<20	1.50	0.013	0.12	0.3	0.02	2.5	0.3	<0.05	4	<0.5
CO-I-04	Soil	9	24	0.36	79	0.068	<20	1.02	0.007	0.08	0.3	0.01	1.6	0.1	<0.05	6	<0.5
CO-I-05	Soil	13	33	0.53	117	0.039	<20	2.23	0.013	0.05	0.1	0.04	3.0	0.2	<0.05	5	0.8

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

Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

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CERTIFICATE OF ANALYSIS VAN09004666.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	%	%	%	gm/mt	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	1e-005	1e-005	0.0001	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
COB-005	Soil	1 4	0.0017	0.0011	0 0073	<0.1	17.0	6.3	154	2.63	9.7	0.4	0.8	2.1	5	0 1	0.4	0.1	56	0.05	0.028
COB-006	Soil	1 4	0.0026	0.0012	0.0069	<0.1	22.7	6.8	150	1.99	5.9	1.0	1.4	4.6	8	0.1	0 4	0.2	35	0.05	0.036
COB-018	Soil	1 0	0.0082	0.0029	0 0165	<0.1	70 5	14 4	360	2 25	12 0	1.6	2.8	6.6	15	0.3	0 7	0.3	35	0 14	0 069
COB-019	Soil	5 2	0.0062	0 0012	0 0060	0 3	12.1	3.9	122	2 55	3.2	1 0	8.3	1.7	8	<0 1	0.4	0.3	45	0.03	0 033
COB-021	Soil	1.1	0.0026	0 0017	0.0062	0.2	15 6	4.3	144	2.16	4.8	0.9	0.8	5 4	8	0 3	0.5	0.2	32	0.11	0.086
COB-022	Soil	1.3	0 0035	0 0019	0.0086	0.2	24.1	10.7	315	2.88	12.9	1 4	2 9	6 6	9	0.2	0.6	0.3	48	0 05	0.034
COB-023	Soil	1.2	0.0017	0.0015	0.0054	0 2	13 9	4.1	106	1.95	7.4	0 8	1.2	3.4	7	0.2	0.3	0.2	43	0 05	0 026

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

Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

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CERTIFICATE OF ANALYSIS VAN09004666.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
COB-005	Soil	7	28	0.38	81	0.042	<20	1.31	0.004	0.05	0.1	0.01	1.9	0.1	<0.05	4	0.6
COB-006	Soil	14	21	0.35	109	0.023	<20	1.27	0.006	0.05	0.1	0.02	1.5	0.1	<0.05	3	0.5
COB-018	Soil	16	21	0.44	191	0.045	<20	1.25	0.008	0.08	0.2	0.03	2.8	0.3	<0.05	4	0.7
COB-019	Soil	11	29	0.49	121	0.032	<20	1.26	0.006	0.09	0.1	0.02	1.5	0.2	<0.05	5	1.5
COB-021	Soil	16	23	0.31	77	0.034	<20	1.51	0.007	0.06	0.3	0.03	1.6	0.1	<0.05	3	0.8
COB-022	Soil	14	31	0.45	183	0.026	<20	1.88	0.005	0.06	0.1	0.05	3.2	0.2	<0.05	4	0.6
COB-023	Soil	12	20	0.24	77	0.024	<20	1.30	0.005	0.03	<0.1	0.02	1.7	0.2	<0.05	5	0.6

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

Client: **Keno Hill Exploration**
PO Box 15
Keno City YT Y0B 1M0 Canada

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QUALITY CONTROL REPORT VAN09004666.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
	Unit	ppm	%	%	%	gm/mt	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm		%	%
	MDL	0.1	1e-005	1e005	0.0001	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																						
CO-B-05	Soil	1.3	0.0023	0.0020	0.0072	0.2	26.7	11.8	225	2.85	12.9	0.7	1.7	6.0	7	0.2	0.8	0.2	41	0.05	0.021	
REP CO-B-05	QC	1.3	0.0022	0.0020	0.0072	0.2	25.0	11.1	228	2.85	12.1	0.8	1.7	5.8	7	0.2	0.9	0.2	40	0.05	0.020	
CO-G-01	Soil	1.2	0.0012	0.0008	0.0125	<0.1	14.1	5.3	115	1.76	4.2	0.4	0.8	3.2	5	0.9	0.3	<0.1	40	0.03	0.024	
REP CO-G-01	QC	1.0	0.0013	0.0008	0.0132	0.1	15.5	5.7	123	1.86	4.2	0.5	0.8	3.5	6	1.0	0.2	0.1	40	0.03	0.024	
Reference Materials																						
STD DS7	Standard	16.4	0.0106	0.0072	0.0383	0.8	57.7	9.4	601	2.31	48.9	4.8	57.0	4.3	72	6.0	5.6	4.7	80	0.86	0.072	
STD DS7	Standard	20.5	0.0107	0.0069	0.0402	0.8	55.6	9.4	632	2.42	49.0	4.9	56.6	4.5	75	5.8	4.7	4.8	86	0.92	0.076	
STD OREAS45PA	Standard	0.9	0.0590	0.0020	0.0116	0.2	277.0	106.7	1061	16.23	4.6	1.2	47.5	6.6	14	0.1	0.2	0.2	206	0.22	0.033	
STD OREAS45PA	Standard	0.8	0.0554	0.0019	0.0110	0.2	267.3	100.0	1035	15.33	4.4	1.2	41.4	6.1	13	0.1	0.1	0.2	200	0.23	0.033	
STD DS7 Expected		20.5	0.0109	0.00706	0.0411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08	
STD OREAS45PA Expected		0.9	0.06	0.0019	0.0119	0.3	281	104	1130	16.559	4.2	1.2	43	6	14	0.09	0.13	0.18	221	0.2411	0.034	
BLK	Blank	<0.1	<1e-005	<1e-005	<0.0001	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	
BLK	Blank	<0.1	<1e-005	<1e-005	<0.0001	<0.1	0.6	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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PO Box 15
Keno City YT Y0B 1M0 Canada

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QUALITY CONTROL REPORT VAN09004666.2

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																	
CO-B-05	Soil	12	28	0.46	181	0.025	<20	1.89	0.005	0.05	0.1	0.05	2.4	0.1	<0.05	4	1.1
REP CO-B-05	QC	11	27	0.44	180	0.024	<20	1.83	0.002	0.05	0.2	0.06	2.2	0.2	<0.05	4	0.8
CO-G-01	Soil	7	21	0.33	101	0.041	<20	1.23	0.004	0.07	0.1	0.01	1.5	0.2	<0.05	3	<0.5
REP CO-G-01	QC	8	22	0.34	101	0.043	<20	1.26	0.003	0.07	<0.1	0.02	1.6	0.2	<0.05	3	<0.5
Reference Materials																	
STD DS7	Standard	11	198	1.02	395	0.115	34	0.98	0.092	0.44	3.3	0.19	2.3	4.0	0.20	4	3.5
STD DS7	Standard	12	206	1.02	409	0.122	34	1.00	0.097	0.45	3.3	0.20	2.4	4.2	0.21	5	2.8
STD OREAS45PA	Standard	15	746	0.10	174	0.126	<20	3.15	0.012	0.07	<0.1	0.03	42.3	<0.1	<0.05	15	0.7
STD OREAS45PA	Standard	15	735	0.10	169	0.128	<20	3.07	0.011	0.07	<0.1	0.02	39.1	<0.1	<0.05	15	0.7
STD DS7 Expected		12	179	1.05	370	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5
STD OREAS45PA Expected		16.2	873	0.095	187	0.124		3.34	0.011	0.0665	0.011	0.03	43	0.07	0.03	16.8	0.54
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5

Appendix 17.5- MINFILE capsule

YUKON MINFILE
YUKON GEOLOGICAL SURVEY
WHITEHORSE

MINFILE: 105M 034
NAME: COBALT
STATUS: OPEN PIT PAST PRODUCER
TECTONIC ELEMENT: SELWYN BASIN
DEPOSIT TYPE: Polymetallic Veins Ag-Pb-Zn+/-Au

NTS MAP SHEET: 105M\15
LATITUDE: 63° 58' 42" N
LONGITUDE: 134° 58' 16" W

OTHER NAME(S):
MAJOR COMMODITIES: LEAD, SILVER
MINOR COMMODITIES: ANTIMONY, COPPER, ZINC
TRACE COMMODITIES:

CLAIMS (PREVIOUS & CURRENT)

SILVER

WORK HISTORY

Staked as Eliza Jane, etc cl (14741) in Jul/22 by J. McDonald, D. McLean and W.H. Forbes. Restaked in Aug/26 by H. Sutherland as Wick cl (16212), and in Jun/47 as Ladue cl (56439) by E.W. Runer and C. Brefalt, and sold to Fred Taylor, who shipped about 4.5 tonnes of ore to the United Keno Hill mill in 1949 and explored with trenching until 1956. Adjoining claims in this period include Willie Winkile, etc cl (59134), in Oct/48 by T.J. O'Neill, which were sold to Mayo ML (a Noranda subsidiary) in Aug/49 and transferred in Nov/53 to Maybrun ML; Barnaby Rudge and Alba Madonna cl (59126) in Nov/48 by J. Cox, which were sold in Jan/49 to Yukeno Lead and Silver ML and transferred in Jan/50 to Cons. Yukeno ML and in Feb/51 to Yukeno ML; and PJ cl (61256) in Dec/50 by Yukon E & Dev CL.

Restaked as Tyro cl (80435) in Apr/60 by Conwest; as Rico cl (81212) in Jun/62 by Rio Plata Silver ML; as Pax cl (83528) in Jul/64 by F. Taylor, which were fringed by the R cl (84344) of United Keno Hill in Mar/65. The Pax group was explored by hand trenching in 1964-67 and optioned in 1968 to Silver Christal ML, which conducted more trenching that year. United Keno Hill carried out soil sampling and prospecting in 1965. A 12.2 m adit was driven on the vein, probably in 1947-48 by Brefalt.

Restaked as the Max cl (88726) in Jun/74 by R. Grant, etc and as Silver cl (YA1348) in Oct/75 by J. Strebchuk. The Cobalt Hill No. 1 cl (YA7232) was tied on in Oct/76 by W. Malicky. All of the claims were transferred to Julian Mg Corp in Oct/85.

GEOLOGY

A poorly developed, branching vein striking 330° cuts phyllitic quartzite and greenstone. The vein has been traced along strike about 122 m and contains the occasional erratic 5 to 8 cm wide veinlet of galena. The 4.5 tonnes of hi-graded ore assayed about 2228.5 g/t Ag and 80% Pb.

The R group was staked to cover heavy metal stream anomalies located by GSC Operation Keno (1964) but no new veins were located. Two selected specimens assayed by the GSC returned an average of 1306.3 g/t Ag, 72.5% Pb, 0.1% Zn, 0.04% Cu and 0.41% Sb.

REFERENCES

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