

**NI 43-101 Technical Report
on the
Black Diamond Property, Gila County, Arizona**

Prepared for



Pinehurst Capital I Inc.

20 Holly Street, Suite 300
Toronto, Ontario
M4S 3B1

Project Location

Latitude: 33°33' North; Longitude 110°52' West
Gila County, Arizona

Prepared by:

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Stephen Hughes, P.Geo.

Effective Date: November 12, 2020
Signature Date: January 8, 2021

SIGNATURE PAGE

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Signature: _____
Date: January 8, 2021
Stephen G Hughes

**Signed by Robert G. Komarechka at
Sudbury, Ontario Canada
on January 8, 2020**

**Signed by Stephen Hughes at
Oakville, Ontario Canada
on January 8, 2021**

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Coverpage Picture: *Silver Dore Bars produced from the Buckeye Mine located on the Black Diamond Property, 2017. Source: SBMI*

1. SUMMARY

At the request of the issuer, Pinehurst Capital I Inc. (“Pinehurst”) Robert G. Komarechka P.Geo. was retained to prepare a Technical Report to consolidate the extensive information on the Black Diamond Project and to add new information since the last NI 43-101 Technical Report prepared in March 8, 2013, written by Nick Barr and co-authored by Mark Croteau, P.Geo. The primary author of this report, Mr. Komarechka P.Geo., takes full responsibility for its contents except for Section 2.4 which was written by the co-author author Stephen Hughes P. Geo. The authors thank Mr. Ronald J. Wortel P.Eng. and Nick Barr, Arizona Geologist for their invaluable input, insights and support in the preparation of this report.

SBMI’s Black Diamond Property is located in the Globe-Miami copper camp of Gila Country in central Arizona, approximately 90 miles (145km) east of Phoenix, AZ. The property is centred on the Richmond Basin, 9 miles (14.5km) north of the city of Globe, and the site of high grade silver discoveries in the 1870’s. The past producing mines contained within the Black Diamond Property, include the Richmond, Jumbo, La Plata, Silver Seven, Buckeye, Ellesworth and Black Copper (formerly the Nugget Mine), Helene, Chilson Shafts and others based primarily on the silver-copper veins of the area.

Silver Bullet Mines Inc., first acquired the Black Diamond Property from Black Diamond Exploration, Inc. [BDE] as a result of a Purchase Agreement dated May 20, 2020. A subsequent Quitclaim Deed dated September 27, 2020 transferred the Black Diamond Property from BDE to SBMI. Pursuant to a Definitive Agreement effective November 12, 2020, between Pinehurst Capital 1 and Silver Bullet Mines Inc. [“SBMI” or the “Company”], Pinehurst Capital 1 has agreed to acquire all of the 30 million common shares of SBMI, the owner of the Black Diamond Property. On completion of this transaction the issuer will have a 100% interest in the Black Diamond Property. There is no NSR on the BLM claims and Pinehurst Capital 1 must make annual BLM claim fees to maintain and control the claim group.

The Black Diamond Property includes 232 contiguous BLM (Bureau of Land Management) claims in a large block totalling approximately 4,793 acres (1,940 ha) of land within the Tonto National Forest. The property is road accessible from the city of Globe. The claims are in good standing with annual BLM fees paid to September 1, 2021.

In addition, and included in the Black Diamond Property, SBMI also holds a lease on a 100% interest in the Buckeye Patent of approximately 16 acres (6.5 ha) contained within the Black Diamond Property. The lease agreement with the local land owners is in good standing and is in place for 17 more years from the date of this report with escalating annual payments. The next annual payment due on the leased claim is US\$35,000. A 5% NSR exists on any production only from the Buckeye patent. These land owners included 2 additional two non-contiguous patent lots in this lease agreement. These patents, the Newton Mine patent of 16.69 acres (6.83 ha) and the Red Robin Mine patent of 15.71 acres (6.35 ha), are located between the Black Diamond Claim group and the city of Globe. Exploration, work of up to \$10,000 can be done on these patents. See Figures 1 and 2 for their location and the contiguous BLM claims that, together, comprise the Black Diamond Property.

Figures 1 and 2 show the general location of the claim and lease outlines of the Black Diamond Property, while Figure 3 shows the location of the various past operating mines and key workings on the outlined Black Diamond Property claim group.

The structural setting of the Globe-Miami District suggests it marks the intersection of two major orogenic belts, thought by a number of earth scientists to be a key ingredient for the location of important mining districts. The Early Proterozoic Mazatzal Revolution, between 1650 and 1730 million years ago, was a major mountain building episode related to colliding crustal plates, across Arizona and beyond. Compressive forces, generated from either the northwest or southeast, resulted in a range thought to be on the scale of the Himalayas. Deep seated, northeast trending structural breaks associated with this compression, developed along the southern flank of Mazatzal Land, which now coincides with location of the Globe-Miami District. Veining, alignment of Laramide-age intrusives, and fracture patterns within the disseminated copper porphyry ore bodies, all display a pronounced northeast fabric.

The Black Diamond Property is located in the Globe-Miami mining camp and the property shows various types of mineralization that could be associated with the Laramide-age intrusives and the overall structural trends. The McMorris Mine vein, trending west-northwest and the Buckeye Mine vein, trending northeast, all within the Richmond Basin and contained within the Black Diamond Property, are thought to be epithermal in origin along existing structures. These occurrences lie along the more extensive Arizona Silver Belt that extends from the Silver King mine, outside of the Black Diamond Property, near and to the west of Superior AZ. The Black Copper prospect, located on the Black Diamond Property, shows more characteristics of a skarn and again appears be associated with a northeast structural feature.

Copper porphyry mineralization is not known on the property at this time but remains a target for consideration due to the project's location along a regional copper mineralization trend and the styles of mineralization found within and around the Richmond Basin.

While no work was done on the property by SBMI, recent exploration within the last 10 years on the Black Diamond Property has progressed to a modestly advanced stage with no defined resources but includes several programs by previous option holders. Initially, a reconnaissance map of limited extent was undertaken on the claim area at the time to locate the main workings and geology. Of the many historic workings on the property three main target areas were selected and targeted for further work on the Black Diamond Property, namely, the McMorris Vein Area, the Black Copper Prospect and the Buckeye Mine. The recent historic work done on the property is described below.

Work on the McMorris Vein Area by Trueclaim Resources (US) Inc. in 2011 was focussed on six accessible old trenches that were mapped and sampled. The best sampling results of this work included a 15 foot section along the McMorris vein in the area of the Richmond Mine grading 33.2 oz/ton Ag (1,032 g/t Ag). These results were based on a dataset of 14 samples assayed for silver, collected along a continuous 55.77 foot (17 m) length of Trench Map 3 as shown in Figure 21. For this whole sample set of 14 samples, an average of 8.5 oz/t Ag (292.45 g/t Ag) was obtained with the highest assay being 50.313 oz/t Ag (1725 g/t Ag) and the lowest assay being 0.81 oz/ton Ag or (27.7 g/t Ag).

More significant silver values from historic anecdotal accounts of production from the McMorris Vein Area are mentioned in Section 6 of this report.

At the Black Copper Prospect (previously known as the Iron Nugget Prospect) of the 9 select grab samples collected from the Black Copper Vein as shown in Table 3 of this report, the

best sample returned a high of 7.45% copper with 2.06 g/t (0.06 oz/t) of gold. The lowest sample returned 0.37% copper with 0.07 g/t (0.002 oz/t) of gold. The average of the 9 samples gave 3.22% copper with 0.033 g/t (0.0010 oz/t) of gold. Significant silver was also encountered in the assays with the 9 samples averaging 5.9 g/t (0.17 oz/t) silver.

The reader should be made aware that this is a select grab surface sample set of limited size and does not indicate the typical values that may be expected on this prospect.

The Black Copper Prospect is described as a potential skarn target as the mineralization contains massive magnetite, some garnet and is proximal to limestone. This target is especially interesting as significant silver, copper and gold mineralization was mined in the region from such styles of mineralization as illustrated by the historic Old Dominion Mine, located outside of the property less than 11 km away. The Old Dominion, the first major mine of the Globe camp, produced over 850 million pounds of copper, plus silver and gold over its intermittent 50 years of operations. This deposit highlights one style of a potential target for the property. The historic Old Dominion Mine is described further in this report in Item 23, Adjacent Properties. An *NI 43-101* compliant technical report “Iron Nugget Property Arizona USA” was also prepared in 2013 by Nick Barr for Trueclaim Resources (US) Inc. in 2013.

The third prospective area to see recent localized exploration is the Buckeye Mine located on patent land. This site saw mapping and sampling as a first round of work by a previous optionor. This was followed by rehabilitation of the decline access to the vein. Limited test mining of silver-copper mineralization recovered the heavier silver bearing minerals using gravity separation to yield material for the production of dore bars. Approximately 500 ounces (14.17 kg) in dore bars were produced in 2017 from this operation. In 2017, the vein was tested with diamond drilling of 14 holes totaling 8,000 feet (2,438 m) each intersecting the vein at varying depths up to 800 feet (244 m) below the mine workings and for over 1200 ft (366m), along strike, confirming continuity of the vein with it being open along strike and dip. Significant historic accounts of production from The Buckeye Mine are mentioned in Section 6, History, of this report. Historic grades up to 8,970 oz/ton silver (307,542.7 g/t) silver with 30.7% copper in select grab sampling from the vein mineralization were reported.

The Black Diamond Property also saw the start of a soil geochemistry sampling program. This program was initiated by Northern Sphere Mining Inc. in 2017 on three small blocks yielding a total of approximately 800 multi-element assay results. The results of this program highlighted several anomalous areas for copper, silver, zinc, and manganese. The blocks cover, or are adjacent to, the three targeted prospects discussed above, namely, the McMorris Vein, the Black Copper Prospect and the Buckeye Mine. The limits of these anomalous areas are not defined. A continuing sampling program will be part of the proposed exploration plans on the Black Diamond Property.

The soil geochemical surveys were later complimented in 2018 by Northern Sphere Mining Inc. with a regional hyperspectral survey which identified areas of rock alteration that appear to be indicative of mineralization coincident with several of the geochemical anomalies. The spectral survey also indicated potential structural corridors, one along the eastern side of the project within the Black Diamond Property, that will be examined in the upcoming exploration program.

The Black Diamond Project is at a near advanced stage exploration but with no resources and a further drill program being planned. Mineralization is identified on the project at several key prospects. The styles of mineralization are known and have delivered significant assay results. The project is also advanced in terms of development with the completion of test mining, underground bulk sampling, and proven silver beneficiation work at the Buckeye Mine in 2017. Only limited exploration programs were conducted thus far at the three target areas. The full extent of the mineralization at these prospects and along their hosting structures is to be investigated in the upcoming recommended programs. As well, the evaluation of many past workings and identification of new targets will be undertaken with the expansion of the soil geochemical surveys to the rest of the property tied in with ground truthing of the hyperspectral anomalies. It is hoped this work will identify additional mineralization corridors for epithermal silver mineralization and vector further exploration activity towards any further skarn or even underlying copper porphyry targets on the project.

The recommendations and plans also include continuation of the test mining and bulk sampling at the Buckeye Mine. Due to the advanced stage of development on this target and its existing underground workings, further understanding of the continuity of the vein system and the ability to sample, follow and define the existing mineralization will be facilitated using drilling from the underground workings. The Company plans to process and recover the metals from further bulk sampling from the Buckeye Mine at an offsite mill to be located on private land in the Globe-Miami area. This procedure is recommended due to the access allowed by the private land status of the patent lands at Buckeye. It will also develop operational efficiencies when the exploration program proceeds to the McMorris Mine area. The mineralization at the McMorris Mine area is similar in nature to the Buckeye and underground access for exploration and development are in place as well, however old workings need to be accessed, rehabilitated and then used for future exploration and development.

The recommended exploration and development expenses for these programs is C\$3.415 million in Phase 1. Broken down into C\$1.525 million in year 1 and C\$1.89 million in year 2.

There is significant opportunity to expand the exploration programs in a Phase 2 program once key targets for resource delineation are identified. Phase 2 would require a budget of C\$2.04 million. A more detailed recommended program is outlined in Section 20 of this report. Section 20 also gives more details on the proposed budget for each of these phases. Table 6A summarizes this budget.

To add credence to the porphyry copper potential of this area is the following quote.

“Epithermal deposits are generally formed in an extensional volcanic arc environment. In some cases, these deposits may overlie sizable porphyry copper deposits. Typically, they have a metal assemblage consisting of gold, silver, copper, and arsenic.” (Sillitoe and Hedenquist 2003)

Table 6A – Proposed Budget

Silver Bullet Mines Exploration And Development Program			
	Estimates		
Buckeye Patent	Phase 1		Phase 2
	Year 1	Year 2	
Exploration			
Surface Map/Sample	25,000		
Underground Map/Sample	10,000		
Results/Analysis/Report	10,000		
Underground Drill/Sample	255,000	250,000	
Subtotal	300,000	250,000	0
Buckeye Mine Site			
	Phase 1		Phase 2
	Year 1	Year 2	
Development / Bulk Sampling			
Mine Site Infrastructure	40,000		
HDPE Liner in Evaporation Pond	15,000		
Reinforce Portal	25,000		
Enlarge Decline	100,000		
Drift Development	500,000	200,000	
Rehab West Portal	50,000		
Drill Station	20,000	50,000	
Bulk Sampling	50,000	200,000	
Subtotal	800,000	450,000	0
Black Diamond Property			
	Phase 1		Phase 2
	Year 1	Year 2	
Permitting	25,000	20,000	20,000
Geochemistry grids / sampling	60,000	75,000	50,000
Hyperspectral Ground truthing	30,000	25,000	25,000
Results/Analysis/Report	110,000	100,000	100,000
McMorris Area Map/sampling	50,000	15,000	10,000
Black Copper Area Map/sampling		30,000	10,000
East Structural Trend Map/Sampling		30,000	10,000
South Structural Trend Map/Sampling		30,000	10,000
Magnetometer Surveys		25,000	25,000
Results/Analysis/Report		75,000	75,000
McMorris Mines Underground Map/Sampling		100,000	100,000
McMorris\ Drilling		150,000	200,000
Results/Analysis/Report		50,000	75,000
Copper Porphyry Target Selection		50,000	60,000
IP Surveys/Reports/Review		125,000	100,000
Copper Skarn Target Drilling		100,000	100,000
Subtotal	275,000	1,000,000	970,000
Globe Area Patents			
	Phase 1		Phase 2
	Year 1	Year 2	
Site surveys/ Sampling/Reports/Analysis			150,000
Mill site selection and acquisition			75,000
Mill Equipment			440,000
Water Well permitting and drilling			25,000
Mill Site preparation			75,000
Mill Equipment Installation and Testing			100,000
Subtotal	0	0	865,000
Contingency			
	Phase 1		Phase 2
	Year 1	Year 2	
Contingency	150,000	190,000	205,000
Total	1,525,000	1,890,000	2,040,000

2. INTRODUCTION AND TERMS OF REFERENCE

2.1 INTRODUCTION

At the request of Pinehurst Capital I Inc. (“Pinehurst”) Robert G. Komarechka P.Ge. was retained to prepare a Technical Report to consolidate the extensive information on the Black Diamond Project and to add new information since the last NI 43-101 Technical Report prepared in March 8, 2013, written by Nick Barr and co-authored by Mark Croteau, P.Ge. Mr. Komarechka is the primary author of this report and takes full responsibility for its contents, excluding item 2.4, the Most Recent Site Visit, for which the co-author, Stephen Hughes, takes full responsibility for its production and content. The authors thank Mr. Ronald J. Wortel P.Eng. and Nick Barr, Arizona geologist for their invaluable input, insights and support in writing this report.

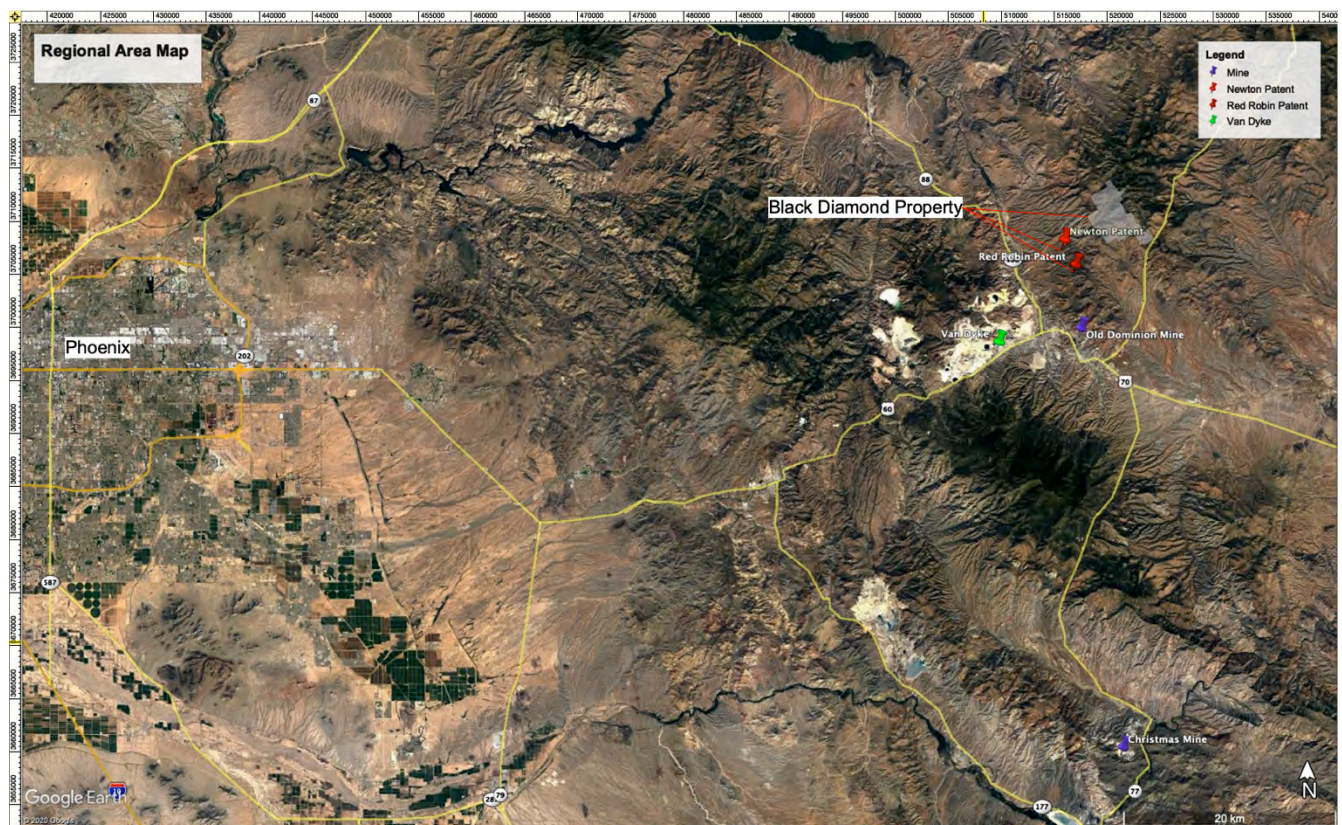


Figure 1: Regional Location of the Black Diamond Property – in green (Cu-porphyry) and purple (skarn) mine locations mentioned in this report, outside of the Black Diamond Property.
Source: Silver Bullet Mines Inc.

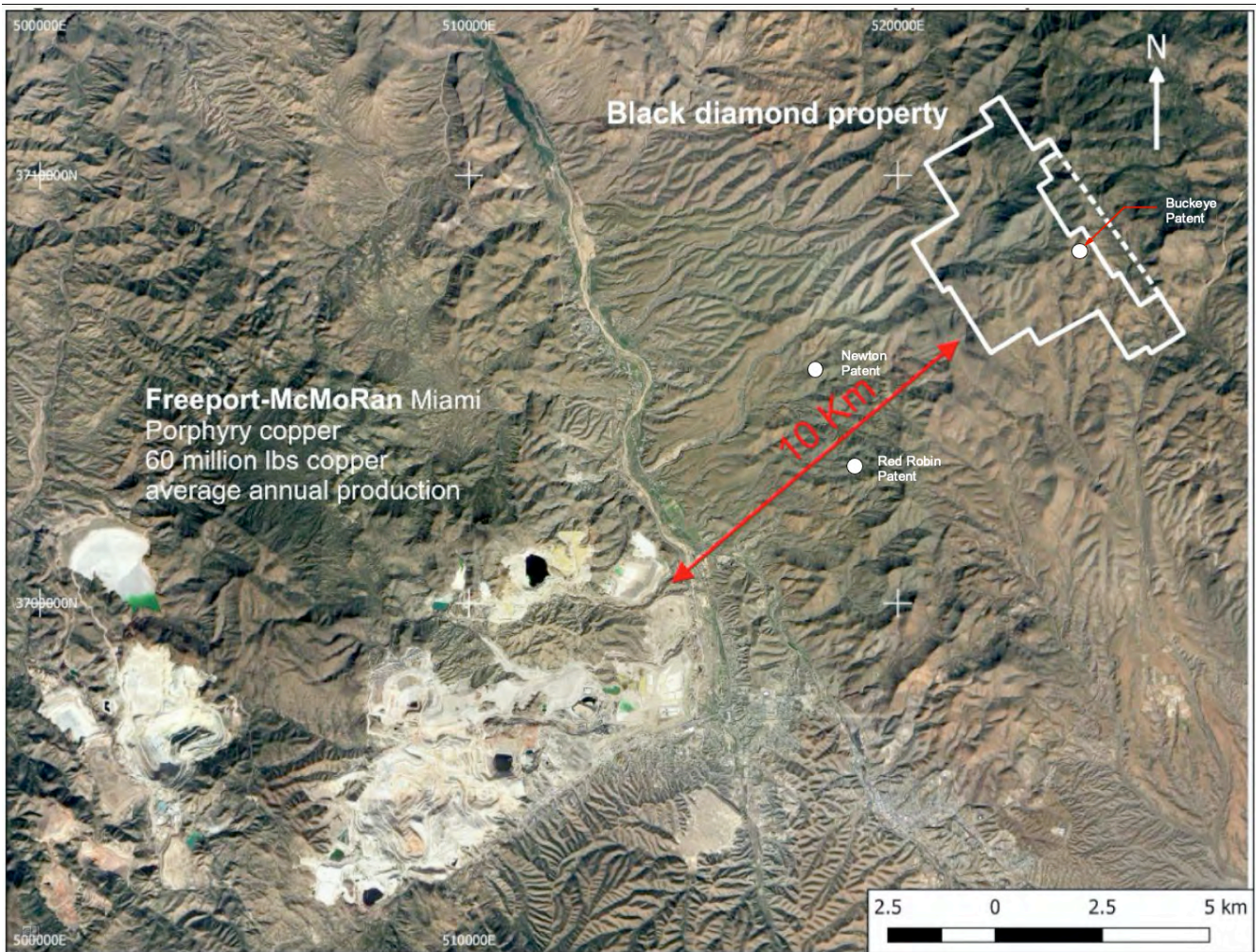


Figure 2: Detailed Location of the Black Diamond Property – showing the location of the 3 patents and nearby Porphyry Freeport-McMoRan Copper mining operations of the Miami-Inspiration mining Camp, located 10 km to the SW of the Black Diamond Property.

Source: Silver Bullet Mines Inc.

The project's 232 BLM lode claims are held 100% by SBMI and cover a significant portion of the land surrounding the historic McMorris, La Plata and Buckeye silver mining sites, all within the Globe-Miami Copper Camp. These sites saw limited historic mining along structurally controlled quartz-carbonate veins containing silver and lesser amounts of base metals. The most recent production was undertaken by Northern Sphere Mining, the project optionor, in 2017 at the Buckeye Mine site. At this time the Buckeye site is owned by others, but is surrounded by the Black Diamond Claim group. The Company holds lease rights to the Buckeye patent mine property along with two additional non-contiguous patents, the Newton and Red Robin, both located in the Globe mining camp but outside of the Richmond Basin.

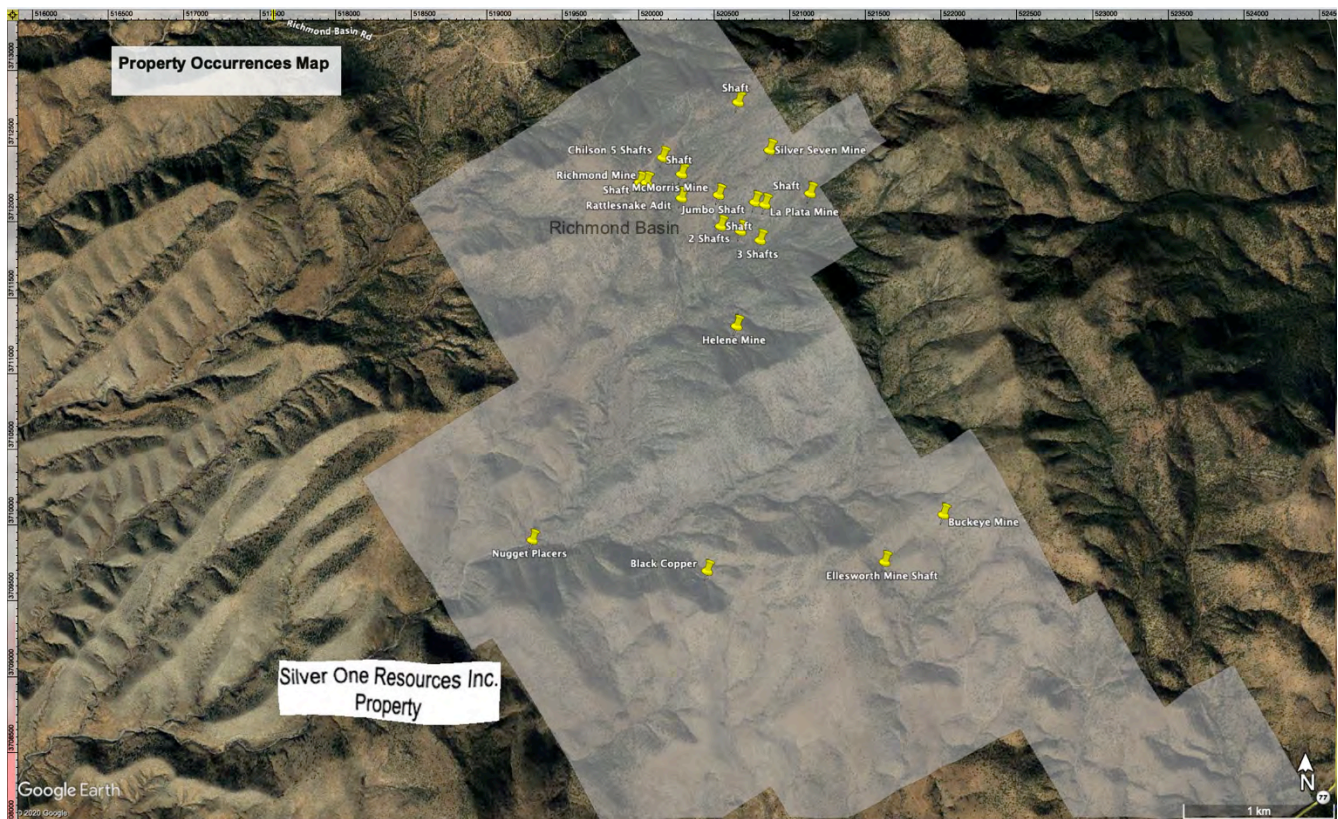


Figure 3 Location of Black Diamond Property Past Workings – the yellow pins, are the main workings referred in the report, many more exist. Silver One Resources Inc.’s property abuts onto the west side of the Black Diamond Property. See Figures 40 and 41.
 Source: Silver Bullet Mines Inc.

2.2 TERMS OF REFERENCE

Pursuant to a Definitive Agreement effective November 12, 2020, Pinehurst has agreed to indirectly acquire all of the common shares of Silver Bullet Mines Inc., [“SBMI” or the “Company”], the owner of the Black Diamond Project. That acquisition is intended to be Pinehurst’s Qualifying Transaction This report is prepared at Pinehurst’s request in support of that Qualifying Transaction. It is presented as a summary of technical information, historical results and the current geological knowledge of the Black Diamond and Buckeye properties, Gila County, Arizona.

SBMI acquired the property in 2020 giving it limited time to perform work on the property. Recent planned work on the site was not conducted due to two main reasons: restrictions related to current health orders in Arizona; and restrictions to accessibility of the site due to closure of the Tonto National Forest associated with a Stage 3 fire hazard notice. At the time of writing this report the Forest Service lists the area at a Stage 1 fire hazard notice that allows access to the claim group for permitted work. The Arizona Health Department restrictions are limited at this time and work can resume on the project within guidelines. The risks posed by SARS-CoV2 are at this time immeasurable and undefinable.

2.3 SOURCES OF INFORMATION

Additional information related to historical extraction on the projects is referenced where appropriate. Regional geology and mapping information is taken from referenced materials.

The main source of historic information on the project is from documents obtained through the Arizona Geological Survey database and the US Geological Service. Some anecdotal information pertains to Section 6 of the report where the results presented are historic in nature. Insufficient work is completed by competent persons to verify any of those results at this time and that anecdotal information should not be relied upon to confirm any resources.

Results of the more recent exploration and production programs on the project are taken from press releases, reports, and documents produced by the public companies that optioned the project lands during the past decade as presented in Section 6.2 of this report. A review of this information indicates that all the exploration work was conducted and, or reviewed, by a Qualified Person as per *NI 43-101* and included appropriate quality control and assurance programs and used independent certified assay laboratories for sample analysis. Based on this information we believe the results presented in the report reflect competent work that can be used as a basis for further exploration on the project.

2.4 RECENT SITE VISIT

The main author of this report, Robert Komarechka, visited the Black Diamond and Buckeye properties several times, and once, during March 29 - April 9, 2011, conducted a limited site survey and a sample collection program to assess the known mineralized sites on the properties.

More recently, within the last 2 years, from March 12 to March 13, 2019, the co-author, Stephen Hughes, visited the Black Diamond Property for 2 days. Access to the property is excellent, with narrow unpaved roads networking throughout the area. Terrain is also favorable, comprising rolling hills and with limited / stunted vegetation typical of Arizona. Grid soil sampling conducted over the property would be an excellent tool to vector in on the porphyry and skarn centers.

During the site visit, the author conducted field checks at the old Buckeye Mine, Helene Adit, Black Copper Shaft and a short visit to the McMorris Mine prospects. All these sites were located on the Black Diamond Property. Mineralization styles observed include intermediate sulphidation (quartz veining with base metals), skarn (garnet-diopside and massive magnetite) and porphyry style alteration restricted to narrow structures and proximal to the outcropping skarn. Although the porphyry system is not obvious to the author, an interpreted porphyry is linked / the cause of the well defined skarn alteration system that contains varied copper species.

At the time of the co-author's visit the property was optioned by Northern Sphere Mining Inc. Since the co-author's site visit no additional work has been done on the property by either Northern Sphere Mining Inc., SBMI or Pinehurst Capital I Inc.

This was confirmed through several methods. The author discussed the project with the management of Black Diamond Exploration Inc over this period and they indicated that no new material exploration or other work was completed on the property.

The author reviewed the online public documents of Northern Sphere and the company from this period. They did not report any new material activity or results from the project over this period.

The author had discussions with Nick Barr, the local geologist responsible for the earlier technical report and for maintaining the claims for Black Diamond Exploration Inc. Nick Barr assisted interested parties in visiting the site, including the Author, and others over this period. He indicated that no new or material work was completed on the property since the site visit reported above. "



Figure 4: Zoned Skarn Alteration: *comprising garnet-diopside and more massive magnetite, containing copper species chrysocolla.* Source S. Hugues



Figure 5: Mineralization Styles: *observed in the block (Left) massive magnetite skarn with malachite staining (Middle) large quartz vein fragments, possible intermediate sulphidation style and (Right) chrysocolla on a fracture face of garnet-diopside skarn. Source S. Hugues*



Figure 6: Historic Buckeye Silver Mine - *note the adit in the background. This adit is the west entrance to the mine. The much larger main adit is not shown.*

2.5 UNITS AND CURRENCY

Within this report units are generally reported in the Imperial system, inches, feet, ounces per ton, etc., as this system is still in general usage in the USA. To conform with current international practice and avoid confusion both Imperial and Metric units will be displayed. For locations East longitude and North latitude are given DMS form, as noted. Directions of strike for structural features are given in degrees of the compass and departure from north. Coordinates used, unless otherwise stated, are in NAD83.

Currency used in this report can be in United States dollars, or Canadian Dollars but will be designated as per their appropriate units as displayed below.

Table 1.1 – List of Acronyms

Acronyms	Term
AZ	Arizona
BLM	United States Bureau of Land Management
mesh	US mesh
MRE	Mineral resource estimate
n/a	Not applicable
N/A	Not available
NAD 83	North American Datum of 1983
nd	Not determined
NI 43-101	National Instrument 43-101
NSM	Northern Sphere Mining Corp.
NSR	Net smelter return
NTS	National Topographic System
QA	Quality assurance
QA/QC	Quality assurance/quality control
QC	Quality control
QP	Qualified person (as defined in National Instrument 43-101)
Regulation 43-101	National Instrument 43-101
SD	Standard deviation
SG	Specific gravity
UTM	Universal Transverse Mercator coordinate system
P.Geo.	Professional Geologist (Ontario)
P.Eng.	Professional Engineer (Ontario)
SBMI	Silver Bullet Mines Inc.
USGS	United States Geological Survey
Prof.	Professional
Geol.	Geological
AI	Artificial Intelligence

Table 1.2 – Conversion Factors for Measurements

Imperial Unit	Multiplied by	Metric Unit
1 inch	25.4	mm
1 foot	0.3048	m
1 acre	0.405	ha
1 ounce (troy)	31.1035	g
1 pound (avdp)	0.4535	kg
1 ton (short)	0.9072	t
1 ounce (troy) / ton (short)	34.2857	g/t

Table 1.3 – List of Units

Symbol	Unit
%	Percent
C\$	Canadian dollar
\$/t	Dollars per metric ton
°	Angular degree
°C	Degree Celsius
µm	Micron (micrometre)
cm	Centimetre
cm ³	Cubic centimetre
ft	Foot (12 inches)
g	Gram
Ga	Billion years
g/cm ³	Gram per cubic centimetre
g/t	Gram per metric ton (tonne)
h	Hour (60 minutes)
ha	Hectare
k	Thousand (000)
kg	Kilogram
km	Kilometre
L	Litre
lb	Pound
M	Million
m	Metre
m ³	Cubic metre
Mtpa	Million ton per year
Ma	Million years
my	Million years
masl	Metres above mean sea level
mm	Millimetre
Moz	Million (troy) ounces
Mt	Million metric tons
oz	Troy ounce
oz/t	Ounce (troy) per short ton (2,000 lbs)
opt	Ounce (troy) per short ton (2,000 lbs)
ppb	Parts per billion
ppm	Parts per million
t	Metric tonne (1,000 kg)
ton	Short ton (2,000 lbs)
US\$	American dollar
wt%	Weight percent
y	Year (365 days)
yd ³	Cubic yard
Au	Gold
Ag	Silver
Cu	Copper

3. RELIANCE OF OTHER EXPERTS

The authors have relied upon:

- 1) The US Bureau of Land Management on-line records dated October 29, 2020 to verify that the claims covering the project are currently held by Silver Bullet Mines as presented in Section 4.2 and also shown in Appendix A1. It is assumed that the Records at the US Bureau of Land Management are correct.
- 2) The tax records of Gila County, AZ, dated October 29, 2020 were reviewed to verify the ownership of the Buckeye, Red Robin, and Newton patent land. It is assumed that the Gila County records are correct.
- 3) The vendor of the Black Diamond Property to supply the property claim outline. It is assumed this outline correctly defines the property boundaries as shown.

4. PROPERTY DESCRIPTION AND LOCATION

4.1 LOCATION

The Black Diamond property is located in Gila County, Arizona. Gila County is home to a significant portion of the American primary copper production with operations owned by BHP, Freeport-McMoRan, KGHM, Asarco, and Capstone. The Black Diamond claim block of 232 claims is located about ten miles north of the town of Globe as shown on Figures 1 and 2, along with the leased patents. The claim block covers the southern extension of the Sierra Anche Mountains, including Apache Peaks at 6,948 ft, the second highest point in the area after Pinal Peak to the south of Globe.

The Property is centred on 33 31' 55.74" North Latitude and 110 45' 23.12" West Longitude. The property is located with the Tonto National Forest. In the summer of 2020 there were restrictions for entering the forest due to fire hazard. The property could not be accessed for general exploration work without approvals from the Forestry Service during these closures. Patent lands can still be accessed during the closures as these are private lands.

The claim block is contained within protracted Township 2 North, Range 15 and 15 ½ East. A review of the Bureau of Land Management LR 2000 land status index conducted by the QPs indicates all claims are in good standing until August 31, 2021. To maintain the claims in good standing an annual maintenance fee of US\$165.00 per claim is due no later than September 1, 2021 to the BLM. There is no annual fee to Gila Country for the BLM claims. A list of the claims is given in Table 2 and Appendix A1.

The Buckeye patent land is taxed annually and the tax is the obligation of the land owners. Silver Bullet Mines Inc. holds a lease agreement with payments to the landowner that may be used to cover these annual taxes. The next annual lease payment for this property is US\$35,000 and includes two additional patent properties in the area, these being the Red Robin Mine patent of 15.71 acres and the Newton Mine patent covering 16.69 acres. The collective lease agreement on all of these patents is in place for 17 more years. A 5% NSR exists on production from the Buckeye, while the Newton and Red Robin patents have evaluation rights with no NSR. The location of these 2 patents are shown in Figures 1 and 2.

There are no known environmental liabilities associated with these properties.

Various permits are required for exploration work on the project and for certain activities on the patent lands. Permits are not required for some aspects of the exploration work that involve limited surface disturbances. Drilling pad and access road routes are required to be permitted. These permits were started by previous operators and can be used as a basis for future programs. The Company does not expect any issues in obtaining permits through the Forestry Service to advance this project.

As noted above, recently access to the BLM claim lands was restricted in the Tonto National Forest due to a Stage 3 Fire Hazard. The fire hazard level at the time of writing of this report is at Stage 1 that will allow for permitted exploration activities. As well, there are current guidelines in place for work places associated with Arizona State Health orders. It is not anticipated that these guidelines will significantly impact the proposed exploration and development programs proposed for the future advancement of the project.

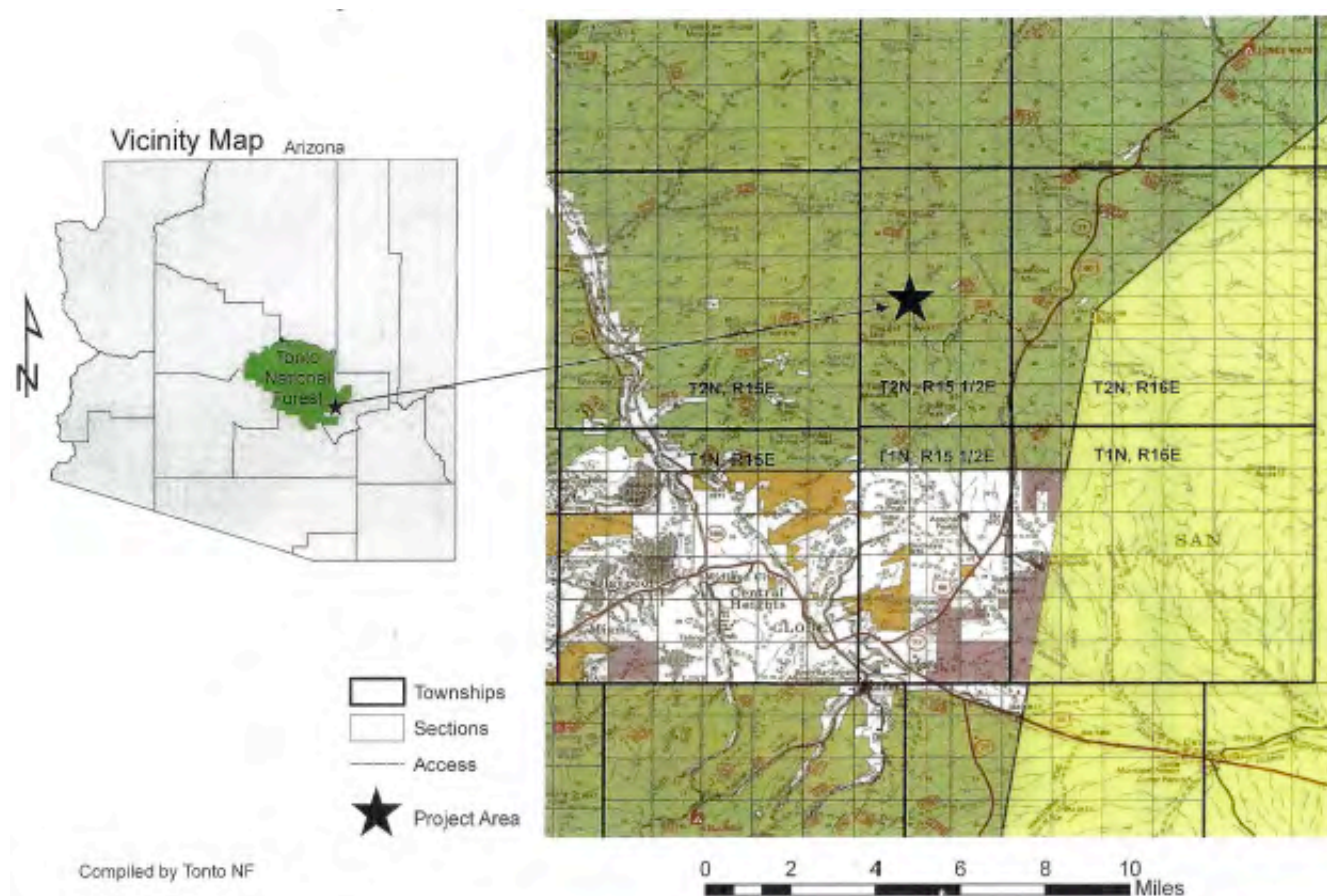


Figure 7: Project Location Globe Area, Arizona

4.2 PROPERTY DESCRIPTION AND SUMMARY

The Black Diamond Project is at a near advanced stage exploration property but with no resources and a further drill program being planned.

The Black Diamond Property is a 232 BLM claim group totalling approximately 4793 acres (1,940 ha). The claims are in a generally rectangular configuration having an average area of about 20.66 acres (8.36 ha) a claim. The Black Diamond property comprises several claim groups staked by the previous land holders and new additional staking that now are all consolidated into the Black Diamond Property held by SBMI. The property covers the Richmond Basin mining area and is host to several past producing underground primary silver mines. This area is now referred to as a significant part of the Arizona Silver Belt. The Claim List is shown in Table 2 and their location is outlined in Figure 1, 2 and partially in Figure 3..

In addition to the claims above, there are three non-contiguous patent mining claims, totaling 47.89 acres (19.40 ha), leased in one agreement assumed from Northern Sphere Mining Corp. to Silver Bullet Mines Inc. These patents are: The Buckeye of 15.49 acres (6.27 ha), the Newton of 16.69 acres (6.76 ha), and the Red Robin of 15.71 acres (6.36 ha), as located in Figure 1. All these patents were registered in 1887 as shown on their certificates which state shafts, tunnels, levels and open workings on them. In 2017 three float samples were collected by Northern Sphere Mining Corp. from the Newton Property. These samples ran 261, 291 and 496 g/t (7.61 oz/t), (8.49 oz/t, and (14.47 oz/t) silver.

The Buckeye patent is contained within the east central part of the Black Diamond claim block as shown on Figure 2. The Buckeye claim hosts the past producing Buckeye Mine which was reopened and test mined in 2017 by another public company under a lease from the land owners. Many of the current management of SBMI were involved in this endeavour. Figure 8a shows the Buckeye Patent Certificate.

The Red Robin and Newton patents are both located southwest and outside the Black Diamond claim block as shown in Figures 1 and 2. The Patent Certificates of the Red Robin and Newton patents are also shown below in Figures 8b and 8c respectively.

An agreement between the patent holders and SBMI exists on the above three patents. The agreement states that the Lessor, SBMI, holds rights for the purpose of exploration for minerals, and the construction, development and operation of a mine on the property and includes water rights for the property. The lease agreement is subject to increasing annual payments and gross equity return on metal production from the Buckeye property to the lessee of 5%. The effective date of the new agreement for this lease amendment is July 9, 2020, the end of the fifth year of the original lease agreement with the previous group and is given as a continuation of this agreement. The lease also allows for entry and exploration up to US\$10,000 on the Red Robin and Newton patents with no NSR at this time; further development on these two patents would be subject to additional terms and agreement with the parties.

Other than the requirements to hold the property as mentioned in this section and the introduction, at this time SBMI does not have any outstanding obligations to Black Diamond Exploration or the lease owners that the resulting issuer will be inheriting.

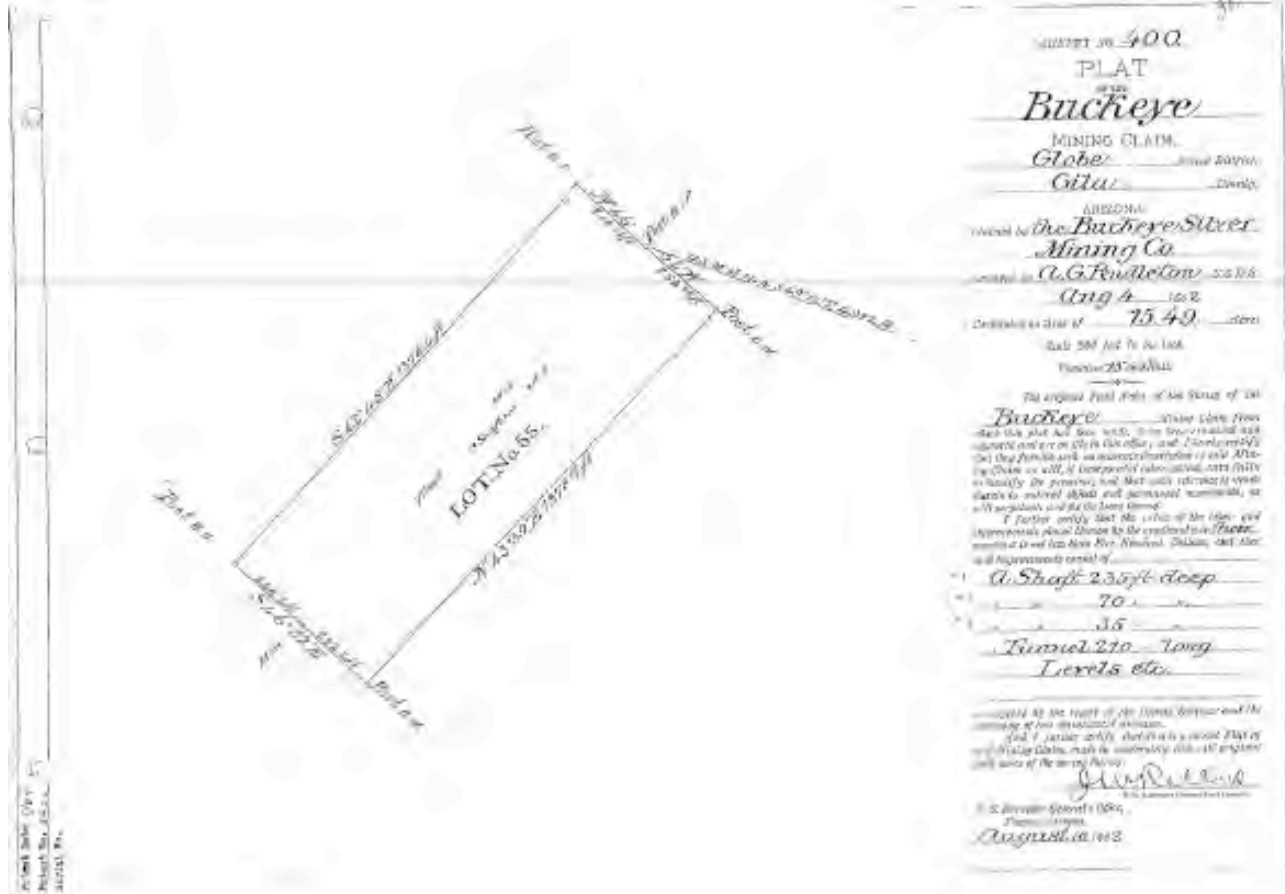


Figure 8a: Buckeye Patent Certificate

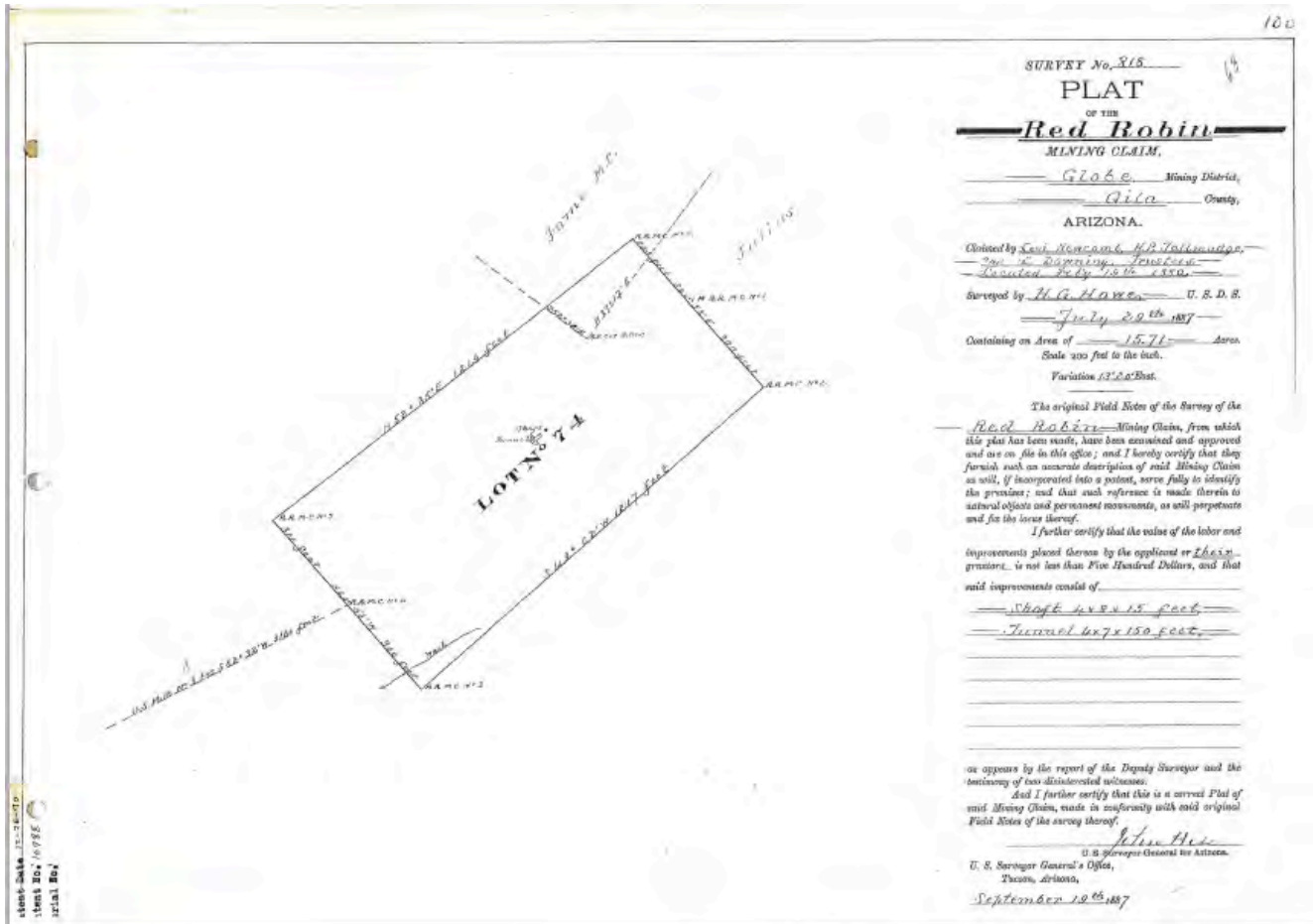


Figure 8b: Red Robin Patent Certificate



Figure 8c: Newton Patent Certificate



Figure 9: Rehabilitation of the McMorris shaft, Richmond Basin

Source: Trueclaim Resources

An archaeological study was prepared on December 11, 1987 on the Richmond Basin by Lyle M. Stone of Archaeological Research Services of Tempe Arizona. This study located and classified all sites of significance on the property. Based on recent comments by Archaeological/Biology consultants, prior work conducted by Mr. Stone will be utilized, but needs to be updated to conform to current reporting standards. A more recent archaeological/biological study, undertaken by Trueclaim, and covering the Black Copper Project, does conform to current standards and remains valid.

In March 2011 US government contractors undertook a program to rehabilitate dangerous abandoned mines in the Richmond Basin area. Figure 9 shows the capping of the McMorris shaft and the installation of bat gratings. As a result of this work known minesites of concern have been rehabilitated on the property.

In November 2012 an approval was obtained by the US Forest Service for a Plan of Operations to conduct a 10 hole reverse circulation drilling program from 7 collars. The approval was pending posting of a reclamation bond with the State Forest Service and securing a water discharge permit from the state of Arizona. This permit was to be used on the Black Copper Program but was changed and used for drilling at the Buckeye.

In early 2017 the project obtained a blasting permit from the US Department of Justice. This permit was used for development of the Buckeye Mine that year. The Company believes this explosive permit is in good standing and can be used for the planned development on the Buckeye patent and future mining operations on the property.

Table 2 - See Appendix A1 for more Information

Serial Number	Lead Serial Number	Claim Name	County	Status	Case Type	Last Assmt Year	Location Date
AMC389463	AMC389463	MCMORRIS 1	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389464	AMC389463	MCMORRIS 2	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389465	AMC389463	MCMORRIS 3	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389466	AMC389463	MCMORRIS 4	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389467	AMC389463	MCMORRIS 5	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389468	AMC389463	MCMORRIS 6	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389469	AMC389463	MCMORRIS 7	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389470	AMC389463	MCMORRIS 8	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389471	AMC389463	MCMORRIS 9	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389472	AMC389463	MCMORRIS 10	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389473	AMC389463	MCMORRIS 11	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389474	AMC389463	MCMORRIS 12	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389475	AMC389463	MCMORRIS 13	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389476	AMC389463	MCMORRIS 14	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389477	AMC389463	MCMORRIS 15	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389478	AMC389463	MCMORRIS 16	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389479	AMC389463	MCMORRIS 17	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389480	AMC389463	MCMORRIS 18	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389481	AMC389463	MCMORRIS 19	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389482	AMC389463	MCMORRIS 20	GILA	ACTIVE	LODE	2021	02-01-2008
AMC389483	AMC389463	NIVEN 1	GILA	ACTIVE	LODE	2021	01-24-2008
AMC389484	AMC389463	NIVEN 2	GILA	ACTIVE	LODE	2021	01-24-2008
AMC389485	AMC389463	NIVEN 3	GILA	ACTIVE	LODE	2021	01-24-2008
AMC389486	AMC389463	NIVEN 4	GILA	ACTIVE	LODE	2021	01-24-2008
AMC389487	AMC389463	NIVEN 5	GILA	ACTIVE	LODE	2021	01-24-2008
AMC389488	AMC389463	NIVEN 6	GILA	ACTIVE	LODE	2021	01-24-2008
AMC389489	AMC389463	NIVEN 7	GILA	ACTIVE	LODE	2021	01-24-2008
AMC389490	AMC389463	NIVEN 8	GILA	ACTIVE	LODE	2021	01-24-2008
AMC389491	AMC389463	NIVEN 9	GILA	ACTIVE	LODE	2021	01-24-2008
AMC389492	AMC389463	NIVEN 10	GILA	ACTIVE	LODE	2021	01-24-2008
AMC389493	AMC389463	NIVEN 11	GILA	ACTIVE	LODE	2021	01-24-2008
AMC389494	AMC389463	NIVEN 12	GILA	ACTIVE	LODE	2021	01-24-2008
AMC389495	AMC389463	NIVEN 13	GILA	ACTIVE	LODE	2021	01-23-2008
AMC389496	AMC389463	NIVEN 14	GILA	ACTIVE	LODE	2021	01-23-2008
AMC389497	AMC389463	NIVEN 15	GILA	ACTIVE	LODE	2021	01-23-2008
AMC389498	AMC389463	NIVEN 16	GILA	ACTIVE	LODE	2021	01-23-2008
AMC389499	AMC389463	NIVEN 17	GILA	ACTIVE	LODE	2021	01-23-2008
AMC389500	AMC389463	NIVEN 18	GILA	ACTIVE	LODE	2021	01-23-2008
AMC389501	AMC389463	NIVEN 19	GILA	ACTIVE	LODE	2021	01-23-2008
AMC389502	AMC389463	NIVEN 20	GILA	ACTIVE	LODE	2021	01-23-2008
AMC389503	AMC389463	NIVEN 21	GILA	ACTIVE	LODE	2021	01-23-2008
AMC389504	AMC389463	NIVEN 22	GILA	ACTIVE	LODE	2021	01-23-2008
AMC389505	AMC389463	NIVEN 23	GILA	ACTIVE	LODE	2021	01-23-2008
AMC389506	AMC389463	NIVEN 24	GILA	ACTIVE	LODE	2021	01-23-2008
AMC389507	AMC389463	NIVEN 25	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389508	AMC389463	NIVEN 26	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389509	AMC389463	NIVEN 27	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389510	AMC389463	NIVEN 28	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389511	AMC389463	NIVEN 29	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389512	AMC389463	NIVEN 30	GILA	ACTIVE	LODE	2021	01-16-2008

Table 2 - See Appendix A1 for more Information

Table 2: Claim List - 2nd page

Serial Number	Lead Serial Number	Claim Name	County	Status	Case Type	Last Assmt Year	Location Date
AMC389513	AMC389463	NIVEN 31	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389514	AMC389463	NIVEN 32	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389515	AMC389463	NIVEN 33	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389516	AMC389463	NIVEN 34	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389517	AMC389463	NIVEN 35	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389518	AMC389463	NIVEN 36	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389519	AMC389463	NIVEN 37	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389520	AMC389463	NIVEN 38	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389521	AMC389463	NIVEN 39	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389522	AMC389463	NIVEN 40	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389523	AMC389463	NIVEN 41	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389524	AMC389463	NIVEN 42	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389525	AMC389463	NIVEN 43	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389526	AMC389463	NIVEN 44	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389527	AMC389463	NIVEN 45	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389528	AMC389463	NIVEN 46	GILA	ACTIVE	LODE	2021	01-16-2008
AMC389529	AMC389463	NIVEN 47	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389530	AMC389463	NIVEN 48	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389531	AMC389463	NIVEN 49	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389532	AMC389463	NIVEN 50	GILA	ACTIVE	LODE	2021	01-11-2008
AMC389533	AMC389463	NIVEN 51	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389534	AMC389463	NIVEN 52	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389535	AMC389463	NIVEN 53	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389536	AMC389463	NIVEN 54	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389537	AMC389463	NIVEN 55	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389538	AMC389463	NIVEN 56	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389539	AMC389463	NIVEN 57	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389540	AMC389463	NIVEN 58	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389541	AMC389463	NIVEN 59	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389542	AMC389463	NIVEN 60	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389543	AMC389463	NIVEN 61	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389544	AMC389463	NIVEN 62	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389545	AMC389463	NIVEN 63	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389546	AMC389463	NIVEN 64	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389547	AMC389463	NIVEN 65	GILA	ACTIVE	LODE	2021	01-11-2008
AMC389548	AMC389463	NIVEN 66	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389549	AMC389463	NIVEN 67	GILA	ACTIVE	LODE	2021	01-08-2008
AMC389550	AMC389463	NIVEN 68	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389551	AMC389463	NIVEN 69	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389552	AMC389463	NIVEN 70	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389553	AMC389463	NIVEN 71	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389554	AMC389463	NIVEN 72	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389555	AMC389463	NIVEN 73	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389556	AMC389463	NIVEN 74	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389557	AMC389463	NIVEN 75	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389558	AMC389463	NIVEN 76	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389559	AMC389463	NIVEN 77	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389560	AMC389463	NIVEN 78	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389561	AMC389463	NIVEN 79	GILA	ACTIVE	LODE	2021	01-09-2008

Table 2 - See Appendix A1 for more Information

Table 2: Claim List- 3rd page

Serial Number	Lead Serial Number	Claim Name	County	Status	Case Type	Last Assmt Year	Location Date
AMC389562	AMC389463	NIVEN 80	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389563	AMC389463	NIVEN 81	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389564	AMC389463	NIVEN 82	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389565	AMC389463	NIVEN 83	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389566	AMC389463	NIVEN 84	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389567	AMC389463	NIVEN 85	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389568	AMC389463	NIVEN 86	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389569	AMC389463	NIVEN 87	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389570	AMC389463	NIVEN 88	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389571	AMC389463	NIVEN 89	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389572	AMC389463	NIVEN 90	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389573	AMC389463	NIVEN 91	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389574	AMC389463	NIVEN 92	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389575	AMC389463	NIVEN 93	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389576	AMC389463	NIVEN 94	GILA	ACTIVE	LODE	2021	01-09-2008
AMC389577	AMC389463	NIVEN 95	GILA	ACTIVE	LODE	2021	01-10-2008
AMC389578	AMC389463	NIVEN 96	GILA	ACTIVE	LODE	2021	01-10-2008
AMC389579	AMC389463	NIVEN 97	GILA	ACTIVE	LODE	2021	01-10-2008
AMC389580	AMC389463	NIVEN 98	GILA	ACTIVE	LODE	2021	01-10-2008
AMC389581	AMC389463	NIVEN 99	GILA	ACTIVE	LODE	2021	01-10-2008
AMC389582	AMC389463	NIVEN 100	GILA	ACTIVE	LODE	2021	01-10-2008
AMC389583	AMC389463	NIVEN 101	GILA	ACTIVE	LODE	2021	01-10-2008
AMC389584	AMC389463	NIVEN 102	GILA	ACTIVE	LODE	2021	01-10-2008
AMC389585	AMC389463	NIVEN 103	GILA	ACTIVE	LODE	2021	01-10-2008
AMC389586	AMC389463	NIVEN 104	GILA	ACTIVE	LODE	2021	01-10-2008
AMC389587	AMC389463	NIVEN 105	GILA	ACTIVE	LODE	2021	01-10-2008
AMC407488	AMC407488	LA ESMERALDA 1	GILA	ACTIVE	LODE	2021	03-13-2011
AMC407489	AMC407488	SILVER SEVENS 1	GILA	ACTIVE	LODE	2021	03-13-2011
AMC407490	AMC407488	SILVER SEVENS 2	GILA	ACTIVE	LODE	2021	03-13-2011
AMC409963	AMC409963	BD 1	GILA	ACTIVE	LODE	2021	05-11-2011
AMC409964	AMC409963	BD 2	GILA	ACTIVE	LODE	2021	05-11-2011
AMC409965	AMC409963	BD 3	GILA	ACTIVE	LODE	2021	05-11-2011
AMC409966	AMC409963	BD 4	GILA	ACTIVE	LODE	2021	05-11-2011
AMC409967	AMC409963	BD 5	GILA	ACTIVE	LODE	2021	05-11-2011
AMC409968	AMC409963	BD 6	GILA	ACTIVE	LODE	2021	05-11-2011
AMC410195	AMC410195	ESM 1	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410196	AMC410195	ESM 2	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410197	AMC410195	ESM 3	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410198	AMC410195	ESM 4	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410199	AMC410195	ESM 5	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410200	AMC410195	ESM 6	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410201	AMC410195	ESM 7	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410202	AMC410195	ESM 8	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410203	AMC410195	ESM 9	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410204	AMC410195	ESM 10	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410205	AMC410195	ESM 11	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410206	AMC410195	ESM 12	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410207	AMC410195	ESM 13	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410208	AMC410195	ESM 14	GILA	ACTIVE	LODE	2021	06-08-2011

Table 2 - See Appendix A1 for more Information

Table 2: Claim List - 4th page

Serial Number	Lead Serial Number	Claim Name	County	Status	Case Type	Last Assmt Year	Location Date
AMC410209	AMC410195	ESM 15	GILA	ACTIVE	LODE	2021	06-08-2011
AMC410210	AMC410195	ESM 16	GILA	ACTIVE	LODE	2021	06-08-2011
AMC424435	AMC424435	BD 7	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424436	AMC424435	BD 8	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424437	AMC424435	BD 9	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424438	AMC424435	BD 10	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424439	AMC424435	BD 11	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424440	AMC424435	BD 12	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424441	AMC424435	BD 13	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424442	AMC424435	BD 14	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424443	AMC424435	BD 15	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424444	AMC424435	BD 16	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424445	AMC424435	BD 17	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424446	AMC424435	BD 18	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424447	AMC424435	BD 19	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424448	AMC424435	BD 20	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424449	AMC424435	BD 21	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424450	AMC424435	BD 22	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424451	AMC424435	BD 23	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424452	AMC424435	BD 24	GILA	ACTIVE	LODE	2021	07-22-2013
AMC424453	AMC424435	BD 25	GILA	ACTIVE	LODE	2021	07-07-2013
AMC424454	AMC424435	BD 26	GILA	ACTIVE	LODE	2021	07-07-2013
AMC424455	AMC424435	BD 27	GILA	ACTIVE	LODE	2021	07-07-2013
AMC424456	AMC424435	BD 28	GILA	ACTIVE	LODE	2021	07-07-2013
AMC424457	AMC424435	BD 29	GILA	ACTIVE	LODE	2021	07-07-2013
AMC424458	AMC424435	BD 30	GILA	ACTIVE	LODE	2021	07-07-2013
AMC424459	AMC424435	BD 31	GILA	ACTIVE	LODE	2021	07-07-2013
AMC424460	AMC424435	BD 32	GILA	ACTIVE	LODE	2021	07-07-2013
AMC424461	AMC424435	BD 33	GILA	ACTIVE	LODE	2021	07-07-2013
AMC424462	AMC424435	BD 34	GILA	ACTIVE	LODE	2021	07-07-2013
AMC424463	AMC424435	BD 35	GILA	ACTIVE	LODE	2021	07-07-2013
AMC424464	AMC424435	BD 36	GILA	ACTIVE	LODE	2021	07-07-2013
AMC438788	AMC438788	SILVER SEVENS 3	GILA	ACTIVE	LODE	2021	04-09-2016
AMC438789	AMC438788	SILVER SEVENS 4	GILA	ACTIVE	LODE	2021	04-09-2016
AMC450306	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450307	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450308	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450309	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450310	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450311	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450312	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450313	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450314	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450315	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450316	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450317	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450318	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450319	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450320	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018

Table 2 - See Appendix A1 for more Information

Table 2: Claim List - 5th page

Serial Number	Lead Serial Number	Claim Name	County	Status	Case Type	Last Assmt Year	Location Date
AMC450321	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450322	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450323	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450324	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450325	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450326	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450327	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450328	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450329	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450330	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450331	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450332	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450333	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450334	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450335	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450336	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450337	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450338	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450339	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450340	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450341	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450342	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450343	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450344	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450345	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450346	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-18-2018
AMC450347	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-31-2018
AMC450348	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-31-2018
AMC450349	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-31-2018
AMC450350	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-31-2018
AMC450351	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-31-2018
AMC450352	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-31-2018
AMC450353	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-31-2018
AMC450354	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-31-2018
AMC450355	AMC450306	BD EXTENSION	GILA	ACTIVE	LODE	2021	01-31-2018

5. ACCESS, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

5.1 ACCESS

The Black Diamond Property is located and centred on the mining area referred to as the Richmond Basin. The Richmond Basin area is the location where the initial prospects that led to this mining area were discovered in the 1870s. The Richmond Basin area is located approximately 10 miles (16.1km) north of the town of Globe Arizona. Globe lies approximately 100 miles (160.9 km) east of Phoenix along highway 60. From Globe, the project area can be reached via US Highway 60 west to Globe, then taking Highway 188 North for 12 miles (19.3km) to Horseshoe Bend wash, then following Horseshoe Bend wash for 2 miles (3.2km), then taking Wood Spring wash Road for 7 miles (11.3 km) to the Richmond Basin. Additional Forestry Roads lead to the McMorris mine area to the north and the Buckeye mine area to the south. Access to the property requires a four-wheel drive vehicle with high clearance due to the rugged nature of the roads and steep topography. The total surface distance from Globe to the property by road is approximately 19 miles (30.6 km). The Black Diamond Property claims are located within range 15 and 15 and 1/2 East, Township 2 North, and sections 2-3, 10 and 11. Roads in the area are shown on Figure 7 above.

The Buckeye patent is centred on 33° 30.708' north and 110° 47.58' west, and is fully contained within the Black Diamond Property. Currently this location of the project lands is accessed from the eastern side from Highway 60, north out of Globe for 7.5 miles (12.1 km) to a gravel access road. This is followed 4 miles (6.4 km) to the mine site.

The Newton Patent lies approximately 2 miles (3.2 km) south of the Buckeye patent and can be reached by the Mexico Mine Canyon Road. The project is also accessible from Highway 188 North by exiting at North Bixby Road then taking the East Forest Service Road 594 to the Mexico Mine Canyon Road. The Red Robin patent lies another 2 miles (3.2 km) south of the Newton patent and also can be reached from the North Bixby Road to the Kelly Ranch Road and then onto the Kings Canyon Road. The road status and requirements for accessing these patents is unknown at this time but are likely similar to those accessing the Black Diamond project.

5.2 CLIMATE

As stated earlier, the project area lies to the north of Globe, Arizona. Globe lies at an elevation of 3500 feet (1,067 m) and is approximately 1,000 feet (305 m) lower than the project site. There is climate data for Globe Arizona and it reports an annual rainfall of 17 in. (43.18 cm) the temperatures in Globe range from a maximum of 104 to 108 degrees Fahrenheit (40.0 to 42.2 °C) in June and July to with minimum temperatures 11 to 22 degrees Fahrenheit (-11.7 to -5.6° C) during December and January. There is a potential for snowfall but it is typically light and does not last on the ground for more than four or five days below elevations of 5,000 feet (1,524 m).

This area of Arizona is generally characterized by two seasons of precipitation: the summer monsoon rains, and the winter rainy season. The summer monsoon rains typically lasts from late June through to September, and during this period thunderstorm activity can bring local heavy rainfalls. It can lead to flash floods in canyons and wash areas. The winter rainfall

season starts in December going through till March. Based on an analysis of area climate charts one could expect the project area average temperatures to be approximately 5 degrees Fahrenheit (-15 °C) cooler than Globe and annual precipitation could be in the range of 22 to 24 in. (56 to 61 cm).

5.3 LOCAL RESOURCES AND INFRASTRUCTURE

The project lands are accessible from the Globe-Miami mining camp just to the south of the project. The Globe-Miami mining camp is one of most important copper mining camps in the USA with significant mining and processing operations. The project is well located for exploration and mining services. A large and skilled workforce is also available locally. Several major mining companies hold operation and development projects in the Globe mining camp including BHP, Freeport-McMoRan, Rio Tinto, Asarco and KGHM. These major companies attract and support a significant infrastructure for the exploration and development of significant mining assets.

Globe, AZ is located approximately 100 miles (160.9 km) east of Phoenix, AZ, a major urban centre in the state that can provide additional services for the company including technical, legal, and financial firms that service the mining sector.

The project site is accessible by gravel road. There is no power line to the property. The closest location for power is the Pinal Creek Valley, along Highway 188 about 5 miles (8 km) to the SW of the property. At the Buckeye mine site on patent land, there is substantial infrastructure associated with the 2017 test mining program including lay down areas, portable offices, septic system, security, drill pads, water evaporation pond, access roads, portal, and a 300 foot (91 m) decline to underground. These installations can be seen on Figure 10. The Buckeye mine also includes additional mine workings whose condition is unknown at this time. These services and the area available were sufficient for the earlier test mining operations and are expected to service the planned re-access and bulk sampling program as well. Water was delivered to the site for the previous drilling programs, which will be required for future drill programs until a well is drilled on the Buckeye patent, if required.

There are additional historic mines with shafts and adits in the Richmond Basin area including the McMorris and La Plata. The current condition of these access ways is unknown at this time. The McMorris Mine was last reconditioned and entered in 1987. The December 11, 1987 archeological study of Lyle M. Stone located 20 mining sites including shafts and workings, all located on the Black Diamond Property. Many of these have not been visited and are not shown on Figure 3.

The Company is currently investigating acquiring some private property closer to Globe with power and with surface and mineral rights to support the development works exploration operations. In the future this land may be used for a bulk sampling processing plant in support of these programs.



Figure 10: Current Buckeye Mine Site Infrastructure

Source: SBMI

5.4 PHYSIOGRAPHY

These mining claims within the Richmond basin lie within the Sierra Ancha mountains. The average elevation of the area is approximately 5,500 feet (1676 m) above mean sea level but rises to just short of 7,000 feet (2,134 m) at Apache Peaks in the central part of the claim group. The local physiography consists of a landmass of lower relief on the flank of a steeper range of hills to the north. Topography drops off rapidly to the south to the valleys of tributaries to Pinal Creek. Figure 12 identifies the area mountain ranges and drainages.

The local drainages to the southwest heading to Pinal Creek are choked with sand and gravel derived from the weathered rocks of the district.

The project lies within the Sonoran Desert, vegetation consists of various cacti upland juniper trees and bushes, and sparse pines with scattered Manzanita Palo Verde and grasses. The hillsides and mesas are used for grazing of cattle.



Figure 11: Black Diamond Property: *Typical terrain and vegetation on the Richmond Basin. Photo is looking west showing the historic Black Copper Workings to the left and, in the background, the access road to the McMorris Mine. The light gray weathered rock in the centre of the image appears in the area of the quartz diorite but has not yet been mapped.*
Source: Trueclaim

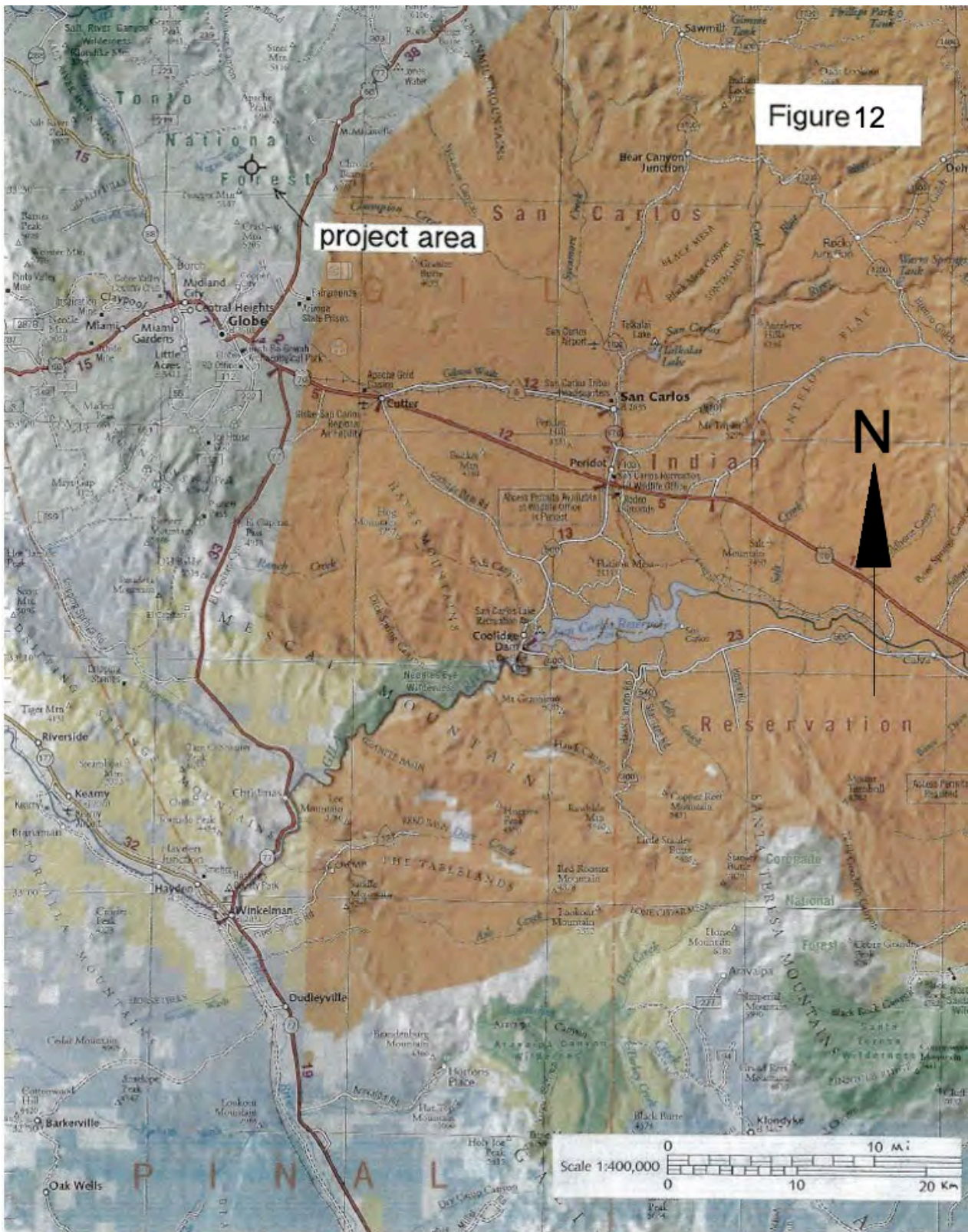


Figure 12: Physiography of Project Area

6. HISTORY

6.1 ARCHIVAL ANECDOTAL HISTORY

The project lands were selected due to their significant potential for mineralization, a potential that was recognized as early as the 1870s. This area has had a very colourful history as illustrated by the following historical anecdotal account obtained from archival materials and reports on the Arizona Geological Survey database compiled by the Arizona Department of Mines and Mineral Resources Mining Collection.

The following story has been derived primarily from an article by Sajas Carl. W. Chilson in the May 15, 1926, issue of the Mining Journal as well as other articles from the Arizona Geological Survey database and gives the discovery and history of the property.

The reader should be made aware that in the account below, *in italics*, the production figures and grades are anecdotal and not necessarily to be relied upon.

“This history starts in Texas in 1868 with the Chilson family starting West to settle in California with cattle to exchange for land. By the time they reached the Arizona territory they were barely alive with all their cattle, provisions, and horses stolen by the Comanche Indians. They were grateful to be alive and were given refuge by Colonel King Wolsey on his ranch next to the Gila River Southwest of current-day Phoenix. Colonel Wolsey was an early pioneer to the region.

While at the Colonel’s ranch he told the Chilson family sons about a trip he took to the upper Salt River country near Apache Peaks. His scouting party had a skirmish with a group of Apaches and discovered they were being fired upon with hammered silver bullets. The site was said to be about 12 miles (19.3 km) north of present-day Globe Arizona.

Maybe others were told this tale as well and other adventurers and prospectors went to the area south of Apache Peaks and found a silver prospect. They staked the first claims in the area: “the Globe” and “the Globe Ledge”. The prospector stated “she’s as big as the globe” when they filed their claims.

These claims would become the Old Dominion mine (not on the Black Diamond Property – see Figure 1) discovered in 1873 (see Figure 13). It was initially a silver mine and the first samples of the prospect graded over 85 ounces per ton (2,914.3 g/t) silver plus over half an ounce gold. The deposit changed over to mostly copper at depth. The Old Dominion operated for over 50 years producing some 850 million pounds (385 million kg) of copper and closed in 1931. The shafts now supply water to the Globe-Miami AZ area (not on the Black Diamond Property – see Figure 1). The area is still the copper production centre for the US.

On their way out west to town these Globe prospectors discovered the Silver King mine (not on the Black Diamond Property – see Figure 1) to the northwest of present-day Superior, Arizona. Their initial samples from the Silver King ran close to 4,000 oz per ton (137,142.8 g/t). The Silver King would be the biggest silver mine of the region, adjacent to what would be the Magma copper mine, (not on the Black Diamond Property – see Figure 1) another big producer that is set to be revived by Resolution Copper. One of the Chilson sons, R.W., later called “Chloride Dick” heard of the excitement at Silver King in the Pinal mountains and

headed there. He made it to the Silver King mine but continued east into Globe country in the spring of 1874. When he arrived at Globe he recognized the Apache Peaks to the north from Colonel Wolsey's description. He recalled the tale and sought to find the source of the Apaches' silver bullets. He and a quickly found and green partner, a Dutchman named Wagner, headed the 12 miles (19.3 km) north to Apache Peaks. When they arrived they found native and horn silver nuggets in a basin near the peak. They also spotted Apache Indians later that day and returned quickly to Globe after staking the initial claim, "the Silver Nugget". They also staked two more claims: "The Rifleman" and the "Hoodoo". Chilson wanted to return to the area to work the claims and recover some silver with his new partner. But Wagner was too afraid of the Apache and sold his half of the claims for Chilson's mule, its pack, and US\$30. These claims would sell for US\$60,000 for half a stake in the coming months.

Chilson then went to Florence, AZ to register his claims. There he met McMorris who then funded his return to Apache Peaks to work the Silver Nugget claim. He then staked the northeast extension of the Silver Nugget for McMorris, now site of the namesake mine. The value of the area was evident to Chilson and he named it the Rich-man Basin, now referred to as the Richmond Basin, he having recovered over US\$200,000 in nuggets from surface to 1876.

The McMorris mine and area was worked from 1875 to 1893 and produced between US\$640,000 to US\$750,000 or around a half million ounces (15,552 kilograms) from some 2500 tons (2,268 tonnes) grading 200 oz per ton (6,857.1 g/t) silver in direct shipping ore. The mine closed under an ownership dispute. In the 1880s the Globe district contained 20 organized mining companies and 12 reduction plants treating silver and gold ores from the 82 stamp mill stamps operating. The total silver from the area is reported to be US\$3.65 million recovered or about 3 million ounces (93,310.5 kg) at the average price of a US\$1.20 per ounce silver for the times.

Several more attempts were made to work the McMorris mine and veins but none were successful in operation. In 1986 members of our team helped re-enter the McMorris mine. Sampling on the 100 level drift returned the value, from a selected grab sample, of 323 oz per ton (11,074.3 g/t) silver from the vein. On the 200 level drift another selected grab vein sample, returned 3,846 oz per ton (131,862.8 g/t) silver and 62 to 130 ounces per ton (2,125.7 to 4457.1 g/t) across the vein over 3 feet (1 m).

Any story of the old American west and silver bullets cannot go without the mention of the Lone Ranger. The silver bullet was his calling card as he sought to deliver justice in the old west... and there is a link to this project. Members of the current Silver Bullet team acquired the McMorris mine and surrounding mining claims from a Globe, AZ resident in 1984. The paperwork for the property is said to have included a letter that was acquired from the Newbold Brothers, former owners of the McMorris Mining Claims. That letter was written from Francis Striker and addressed to the McMorris family requesting permission to incorporate the high grade silver mine and the silver bullet story into the Lone Ranger Series. Francis Striker was the original writer of the Lone Ranger radio series. He wanted to incorporate the true story of the King Woolsey/Chilson account of the prospectors being wounded with silver bullets when they had a gun battle with the Apache Indians in Rich Man Basin, as recorded in the 1926 Arizona Mining Journal, into the Lone Ranger scripts. Mr. Striker actually visited the McMorris Mine when it was still in operation and was astounded by the native silver he

observed being mined there. It was then that he heard the story of the silver nugget placer, located on the flat just below the McMorris shaft and the silver bullet battle with the Apache Indians. Making the mine and its history potentially linked to this American legend.

The Black Diamond project lies at the north end of the silver mining district that extends south into Mexico on the flanks of the known Arizona Copper Belt. The US portion of this belt is said to have produced around 35 million oz (1,088,623 kilograms) silver from 1875 to 1910. Our part of this silver district is now referred to as the “Arizona Silver Belt” and is centred on the McMorris and Buckeye mines. These mines and their satellite mines and veins extend across the northeast part of the large 4,793 acre (1,940 ha) land package.

Large and high-grade native silver nuggets are still being found at the surface in the Richmond Basin area. A recent set of samples reportedly found near our Newton patent (see Figure 41) in 2018, included several large boulder size silver nuggets of 80, 116 and even 417 lb (36, 53 and 189 kg) see Figure 14 below. An 18 pound (8 kg) nugget from this group assayed an incredible 45.6% silver or nearly 15,000 ounces per ton (514,285.5 g/t).”



Figure 13: Old Dominion Mine 1899, Globe Arizona

Source: Arizona Geological Survey

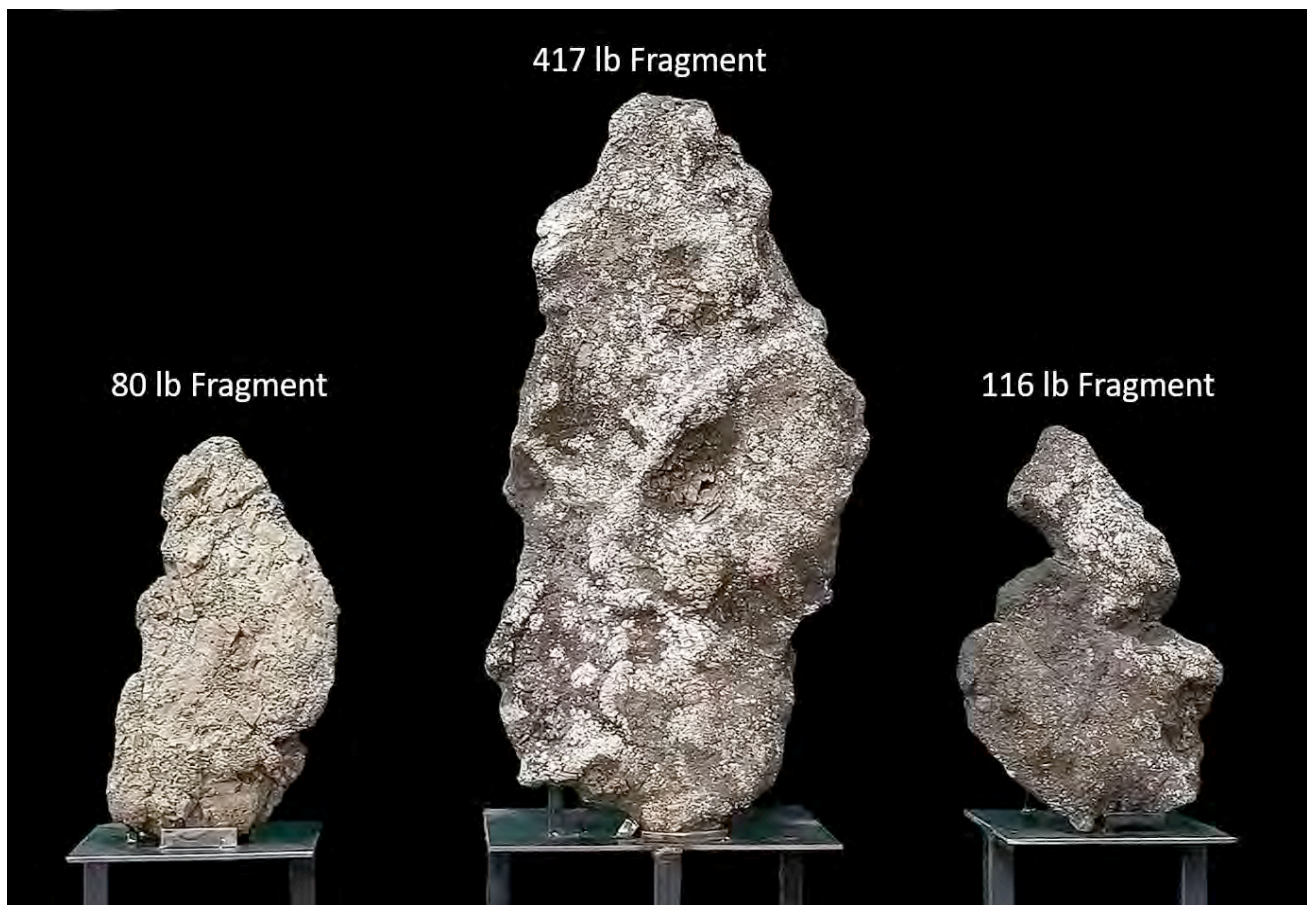


Figure 14: Large Silver Nuggets Still Being Found In Globe Hills

Source: Silver One Resources

The reader should be made aware that in the paragraph below, the production figures and grades are anecdotal and not necessarily to be relied upon.

6.2 RECENT HISTORY

1963 to 1964: The Blue Quail Mining Company leased the claims surrounding the McMorris mine and shaft. That company drilled 2 diamond drill holes 1,000 feet (305 m) west of the McMorris shaft. One hole was reported to have returned an interval passing 65 oz of silver per ton (2,228.6 g/t). The company then rehabilitated one of the area shafts and all drifts in order to locate the intersection underground within the mine workings. They reported that the vein averaged 67 ft (20 m) wide along their workings. The average grade of the muck excavated from the raise was reported to grade 7 ounces Ag per ton (240 g/t). Approximately 40 tons (36 tonnes) of material were said to be sent to the local smelter. The results of processing are not available.

The reader should be made aware that in the paragraph below, the production figures and grades are anecdotal and not necessarily to be relied upon.

1962 to 1964: Axel Johnson filed a Field Engineer's Report with the Department of Mineral Resources, AZ on the McMorris Mine in late 1962 and early 1965. The property is described as covered by 12 unpatented claims at this time, and the mine was said to be inactive. The principal ore minerals are native silver, horn silver, ruby silver, and argentite. The McMorris

vein is reported as a vertical vein from 6 to 7 feet (2 m) wide striking east-west and is traceable for over 4,000 ft. (1219 m). Samples from the ore dumps and vein ranged from 2.4 to 7.8 oz/ton (82.3-267.4 g/t) silver in 1962's visit. The mine infrastructure, is listed as: 1 vertical shaft 1, 600-650 ft (183-198 m) deep, caved, used by McMorris Mining Co. from 1875 to 1893; 2 - 200 ft (61 m) vertical shaft about 1,000 ft (305 m) east of shaft 1 last used in 1916-1918 and open to a depth of 30 ft (9 m); 3 – 150 ft (9-46 m) vertical shaft about 1,000 ft (305 m) west of shaft 1, deepened by Blue Quail Mining from 49 ft (14.9 m) to 150ft (46 m) in 1963; a 150ft (46 m) drift from shaft 3 with raise; and extensive underground workings from McMorris Mining Co from shaft 1 at various levels with no access at this time.

The reader should be made aware that in the paragraph below, the production figures and grades are anecdotal and not necessarily to be relied upon.

1980-1984: In 1984 a group referred to as the Gold Dome Mining Corporation reported that they leased 18 claims covering the McMorris and La Plata Mines with plans for exploration, development and a 50 ton/day (45 tonne/day) pilot mill. They referred to the project as the Richmond Basin Silver Project. The company, Gold Dome Mining Corporation, estimates that the area produced not less than 2 million ounces (62,207 grams) from 1874 to 1923 from five or six mines in an area of less than two square miles (5.18 square km) of land, much from surface workings. The report indicates that over US\$150,000 was spent on mapping, assaying, tunnelling, mill and metallurgical work from 1980-1984. Gold Dome was looking to open the area up for mining of the silver ores with a development plan outlined. This was not realized.

The reader should be made aware that in the paragraph below, the production figures and grades are anecdotal and not necessarily to be relied upon.

1986: K&M mining acquired the claims and started rehabilitation of the McMorris and La Plata shafts and underground drifts. This group includes members of the current management team. Their inspection of the rehabilitated underground drifts indicated that the actual stoped areas of the McMorris mine were very small and there remains a significant length of stringer vein zones left by the miners from the 1870s. During this time a Mr. Bosley conducted detailed sampling and a preliminary mapping of the old showings and workings of the McMorris area. This work noted that sampling of the McMorris vein on the 100 level returned a grade of 61.73 oz/ton (2,116.5 g/t) silver; samples along a north-south structure returned 29.3 oz/ton (1,004.6 g/t) silver over 3 feet (1 m); and, a sample across a quartz vein in a raise assayed 77.6 oz/ton (2,660.6 g/t) silver. This work is said to total US\$350,000 in expenditures, as reported by Mr. Ona.

1987: The property was reviewed by Arturo A. Ona, a geologist from Tucson, AZ., In his Progress Report on the McMorris Mine and Richmond Basin Areas of Globe, AZ., he summarizes the results of 21 days of fieldwork. This work included geologic reconnaissance, sampling, claim staking, drilling, and records research. The property at this time comprised 43 lode mining claims covering this area.

This Ona report included outlining three mineralization target areas in the Richmond Basin related to structure and geological controls: high grade veins; flat veins; and bulk tonnage surface veins. The report provides estimates for these potential targets in terms of areal extent, grade, and value at the time.

2008: Black Diamond Exploration staked in the Richmond Basin with 130 claims covering the McMorris and La Plata Mines in rectangular block of approximately 2,685 acres (1,087.43 ha).

2010-2013: TrueClaim Exploration Inc. optioned the property starting in 2010. In 2012 an additional 52 claims were staked and added to the project. Trueclaim dropped the property in 2013 after spending approximately C\$1.2 million on exploration. Programs and results of this work are described in Section 6.3.

2015-2017: Northern Sphere Mining Inc. optioned the 182-claim package from Black Diamond Exploration Inc. This company spent approximately C\$3.4 million on exploration until the property was dropped. In 2017 another 50 claims were added to the project bringing the total to 232 claims. Programs and results are described in Sections 6.2 and 6.3.

2020: Silver Bullet Mines Inc. purchases the 232 claims of Black Diamond Exploration Inc., and assumes a previous lease agreement with the patent holders on the Buckeye, Newton and Red Robin patents.

6.3 RECENT EXPLORATION PROGRAMS BY OTHERS

6.3.1 Black Copper Prospect, Richmond Basin, AZ, Trueclaim Exploration Inc., June 2011

The Black Copper Prospect occurs near the contact of limestone and quartz diorite towards the southwest of the property. The zone was traced over 400 m on surface and up to 600 m by ground geophysics. Along the trend of this zone, there are two historical shafts that are 300 meters apart and numerous workings observed in between. The vein of massive black magnetite mineralization can be up to 4 meters wide. Figure 34 shows the location of the Black Copper Prospect shaft within an earlier claim fabric prior to expansion of the property.

Assays, taken by Trueclaim, along the strike of the vein were done over 100 m where the vein was exposed. These are presented below in Table 3. A total of 29 rock chip and grab samples (70551-70583, 70607-70621, 18004) were collected from the project area, and analyzed by three laboratories. The author believes that assay results, as presented, are reliable. A discussion regarding reliability of sample collection and analytical services is presented in Sections 11 and 12. Appendix C1 describes the samples collected while Appendix C2 contains the assay certificates for the program undertaken. Sample E5096668 was collected earlier from the main outcrop exposure of magnetite. Figure 37 shows the general location of the samples while Figure 16 and Figure 35 shows a more detailed location of the sampling. Figures 15 and 17 are photos of the Black Copper while Figures 18 and 19 show the magnetometer lines and survey map respectively.



Figure 15: Black Copper Site showing historical workings *Access to the shaft is in front of the truck. On Figure 3 the Black Copper locate is on the shaft.*

Source: Trueclaim Exploration Inc.

Around this time a Magnetometer survey was executed by crew members contracted to Trueclaim. See Figures 18 and 19 below. The instrument used was a cesium vapour G-859 magnetometer and a G-856 proton recession base unit. Supervision and preliminary interpretation of the magnetometer survey was provided by Zonge International of Tucson, Az. The author notes that the magnetometer survey results at Black Copper have not been interpreted by a qualified geophysicist, and some uncertainty as to the significance of survey results remains. The presence of a strong remanent magnetic component due to the later replacement of magnetite is possible. It is further recognized, that an expanded survey may be warranted to fully interpret results generated to date.

Table 3: Selected Results of Rock Sampling - Black Copper Vein Area

Sample	Area	Cu %	Au (g/t)	Au (oz/ton)	Ag (g/t)	Ag (oz/ton)
E5096668	Black Copper Vein	3.76	2.87	0.08	7.625	0.23
70553	Black Copper Vein	5.58	1.78	0.052	6.86	0.200
70555	Black Copper Vein	7.45	2.06	0.060	0.00	0.050
70557	Black Copper Vein	7.07	1.78	0.052	<.00	<0.05
70617	Black Copper Vein	0.47	0.18	0.006	23.8	0.765
70618	Black Copper Vein	2.26	0.15	0.005	0.70	0.023
70619	Black Copper Vein	0.37	0.07	0.002	0.20	0.006
70620	Black Copper Vein	1.07	1.07	0.035	3.60	0.116
70621	Black Copper Vein	0.91	0.28	0.009	1.20	0.039
Average		3.22	1.14	0.033	5.9	0.19

Source: Trueclaim Oct. 4, 2011 press release

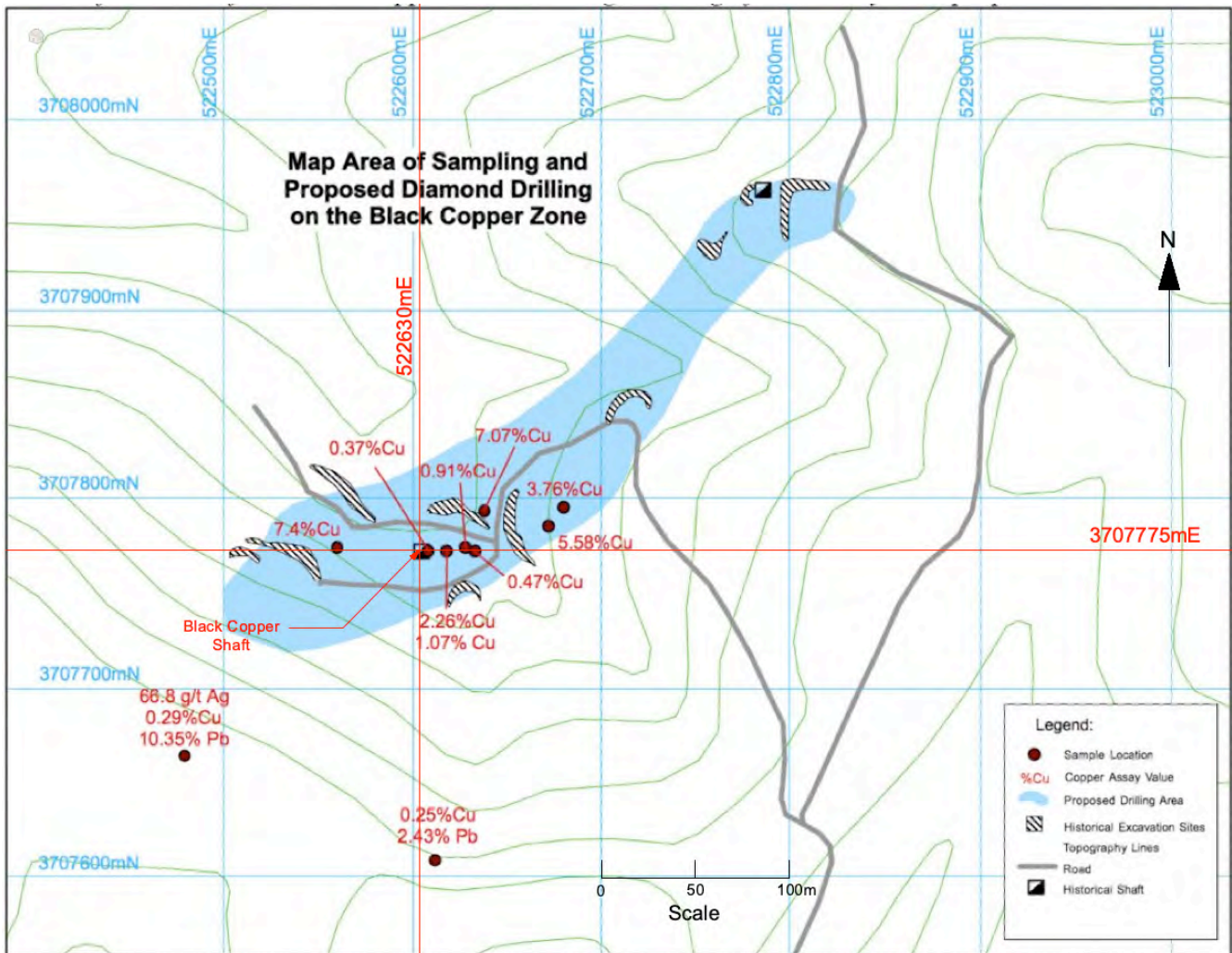


Figure 16: Black Copper Sampled Area: Detail of the area of the Black Copper Zone showing some significant assays and proposed drill area. The shaft symbol shown is the location of the Black Copper Prospect as shown in Figure 3. Figure 15 also shows a photo of the shaft and adjacent roads. Note that the map area is completely within the Black Diamond Claim block.

Source: Trueclaim Oct. 4, 2011 press release.



Figure 17: Black Copper Stockpile Note the copper mineralization of blue azurite, green malachite and chrysocolla associated with the black magnetite. Picture taken from a stockpile on Silver Bullet's Black Copper Prospect.

Source: Trueclaim Exploration Inc.

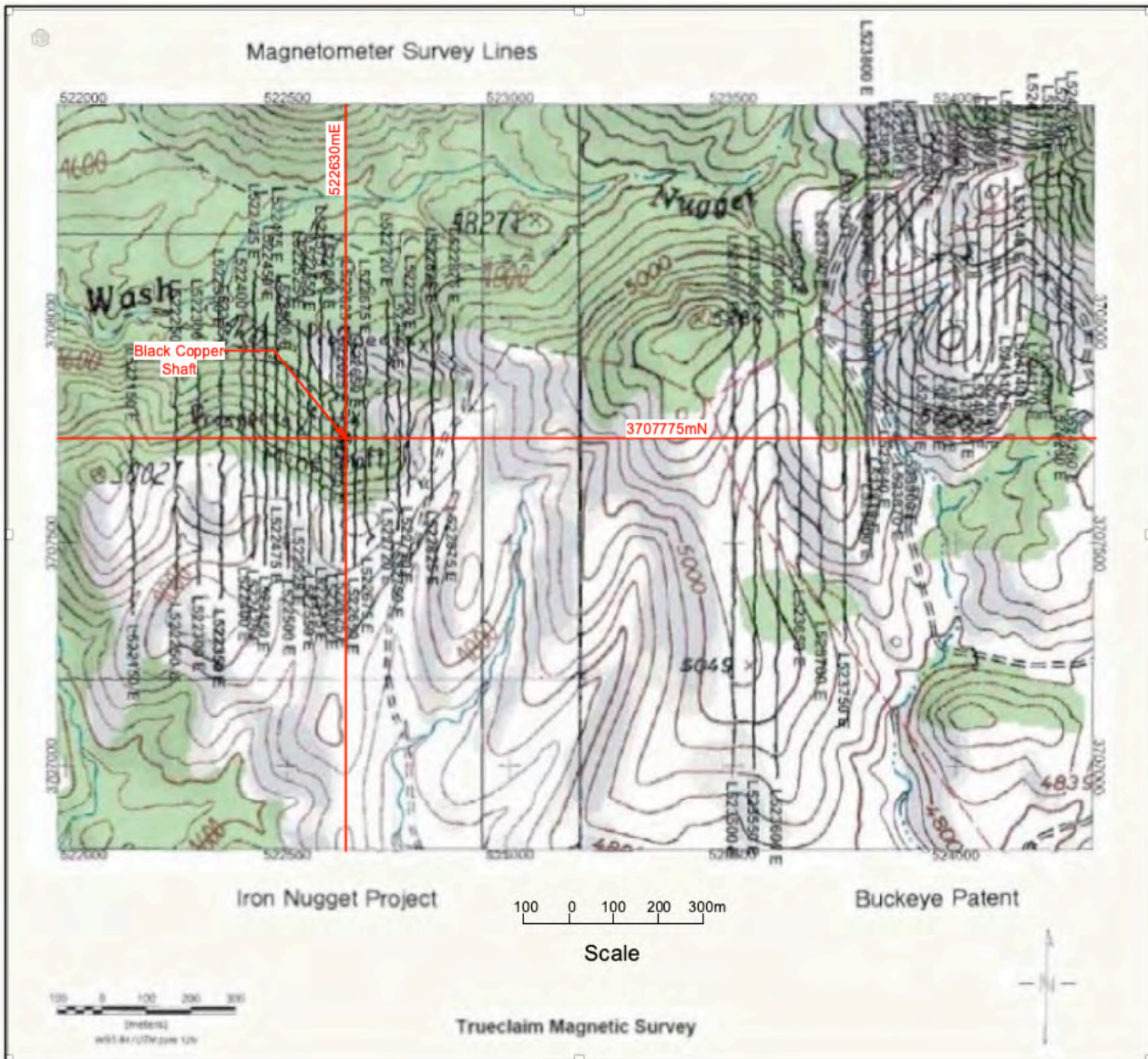


Figure 18: Black Copper Magnetic Survey Lines: *The shaft symbol shown is the location of the Black Copper Prospect as shown in Figure 3. Figure 15 also shows a photo of the shaft and adjacent roads.*

Source: Barr, N, 2013 pg 26

Also, at this time, a preparation of the Plan of Operations for drilling was completed by Trueclaim personnel, with the exception of biologic and cultural surveys that were executed and documented by SWCA Environmental Consultants of Tucson, Az. Drilling at Black Copper was not conducted. The relevant data and approvals were used as part of a plan for drilling the Buckeye property as described in Section 6.3.6 and conducted by another optionor of the project.

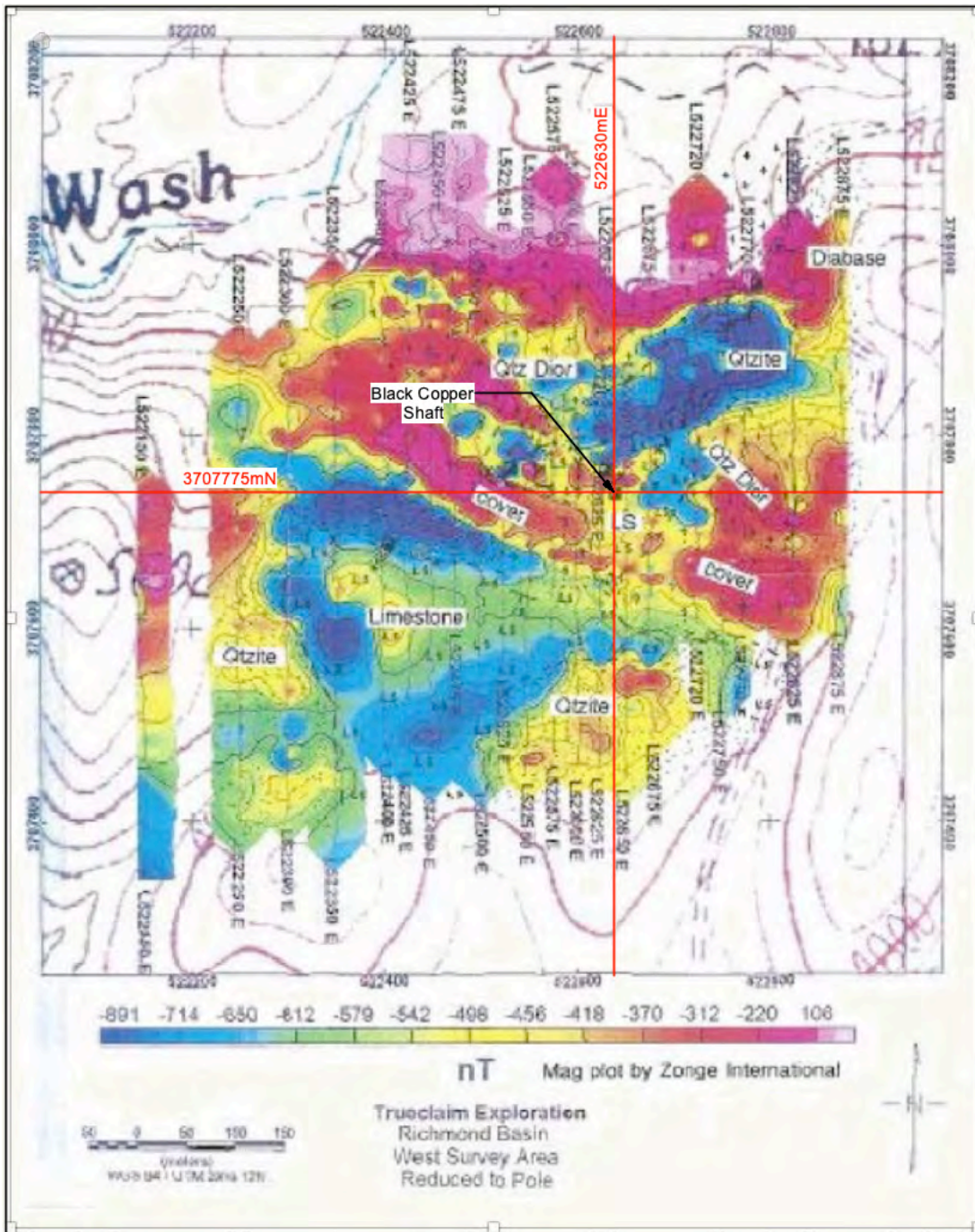


Figure 19 – Black Copper Magnetometer Survey: The south shaft symbol shown near line L522850 E is the location of the Black Copper Prospect as shown in Figure 3. Figure 15 also shows a photo of the shaft and adjacent roads.

Source: Barr, N, 2013 pg 2

6.3.2 McMorris Mine Site Mapping and Sampling Program, TrueClaim Exploration, September, 2011

In the summer of 2011, Trueclaim Exploration geologists supervised by Lindsay Moss P.Geol., conducted a detailed mapping and sampling program over an area around the historic Richmond Mine site. See Figure 34. This work occurred within an area of approximately 256

acres (103.68 ha). Over 180 samples were collected for assay from both the field and historic trench mapping as shown in part on Figure 20 and 21 and disclosed in Appendix D. Multiple mineralized alteration trends were identified.

Of the six historic trenches mapped, four along the McMorris Vein were thoroughly sampled and confirmed its silver content, along with copper, zinc, and lead in appreciable concentrations. The McMorris Vein, over the four trenches, was found to average about 10 feet (3 m) in width with areas of pinching and swelling. From the 68 samples taken from trench 1 through trench 6, 49 samples graded over 50 ppm (1.6 oz/t) silver and 34 samples graded over 100ppm (3.2oz/t) silver.

This sampling included a 16.8 metre section along the McMorris vein in the area of the Richmond Mine. A dataset of 14 samples, collected along a continuous 55.77 foot (17 m) length of Trench Map 3 was assayed for silver. This trench and sample location are shown in Figure 21. For this whole sample set of 14 samples, an average of 8.5 oz/ton Ag (292.45 g/t Ag) was obtained, with the highest assay being 50.313 oz/ton Ag (1725 g/ton Ag) and the lowest assay being 0.081 oz/ton Ag or (27.7 g/ton Ag).

The highest grade interval within this set for Trench 3, as stated in the Trueclaim press release¹ came in with 15 ft (5 m) averaging 33.2 oz/ton (1,032 g/t) silver, along the length of the east side of Trench 3, see Figure 21. Trench 1 and 2 also produced high silver values. The overall trends seen from the trench and the additional area sampling shows a strong east-west trend bending towards the southwest on the western side of the study area. The McMorris vein remains open for extension to the east, southwest, and at depth.

Table 4: Summary of McMorris Vein Trench Sampling

Trench	Length ft (m)	Ag ppm	Ag oz/t
1	55.0 (16.8)	227.7	7.3
2	50.0 (15.2)	181.2	5.8
3	60.0 (18.3)	323.9	10.4
4	30.0 (9.1)	119.0	3.8
5	35.0 (10.7)	129.2	4.2
6	30.0 (9.1)	16.3	0.5

The highlight intervals are seen below.

Highlight Intervals			
Trench	Length ft (m)	Ag ppm	Ag oz/t
3	15 (4.6)	1032.6	33.2
1	20 (6.1)	286.1	9.2
2	20 (6.1)	233.2	7.5
1	25 (7.6)	227.0	7.3

¹ MacMillan,T., Moss, L., 2011, pg. 43.

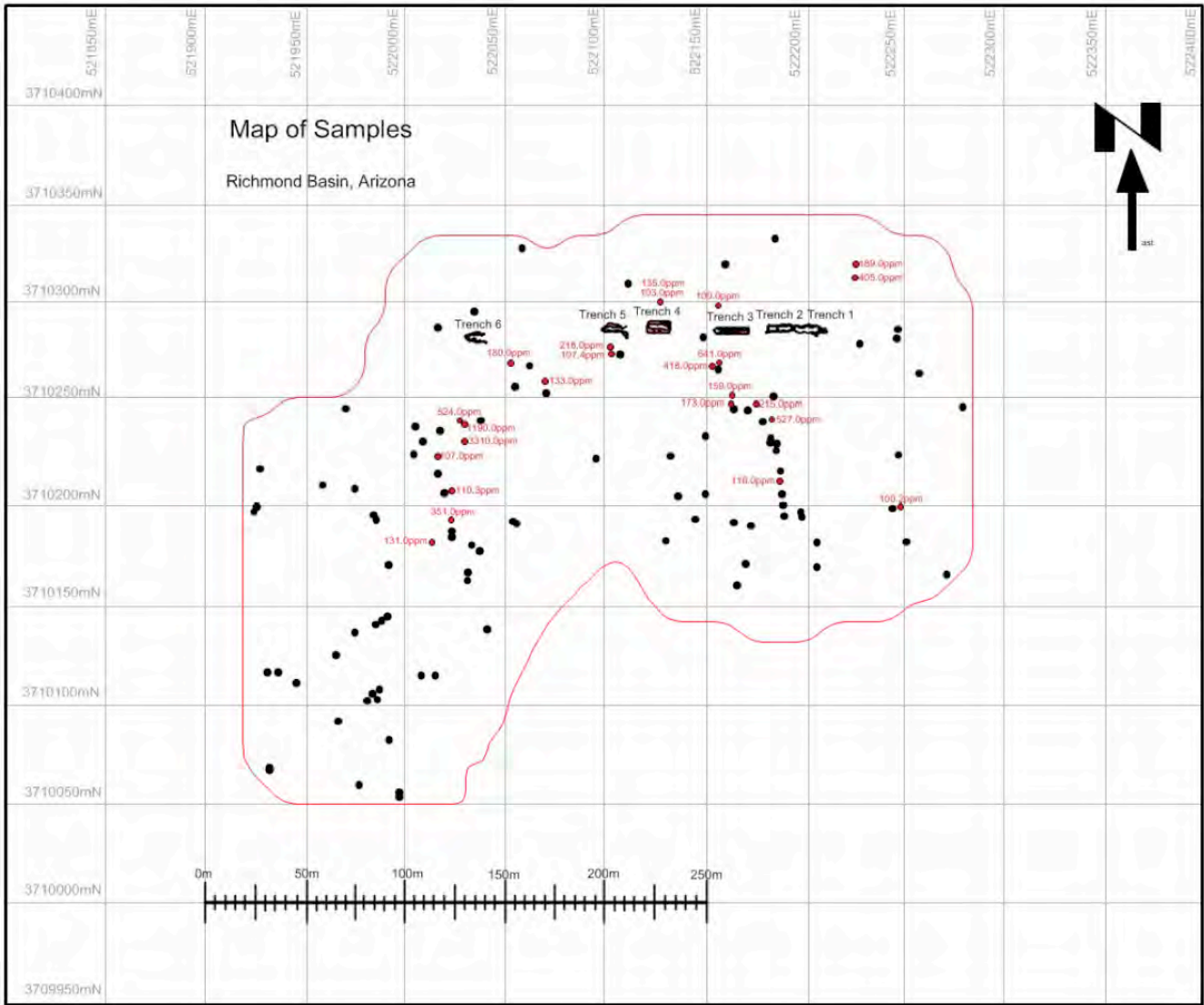


Figure 20: Surface Sampling Sites Richmond Basin: [Ag ppm as noted] Note that the shaft at the east end of trench 3 (see figure 21) is the locate of the Richmond Mine as shown in Figure 3. Figure 27 also shows the area of this work within the current claim fabric.
 Source: : MacMillan,T., Moss, L., 2011, pg. 25 & field notes..

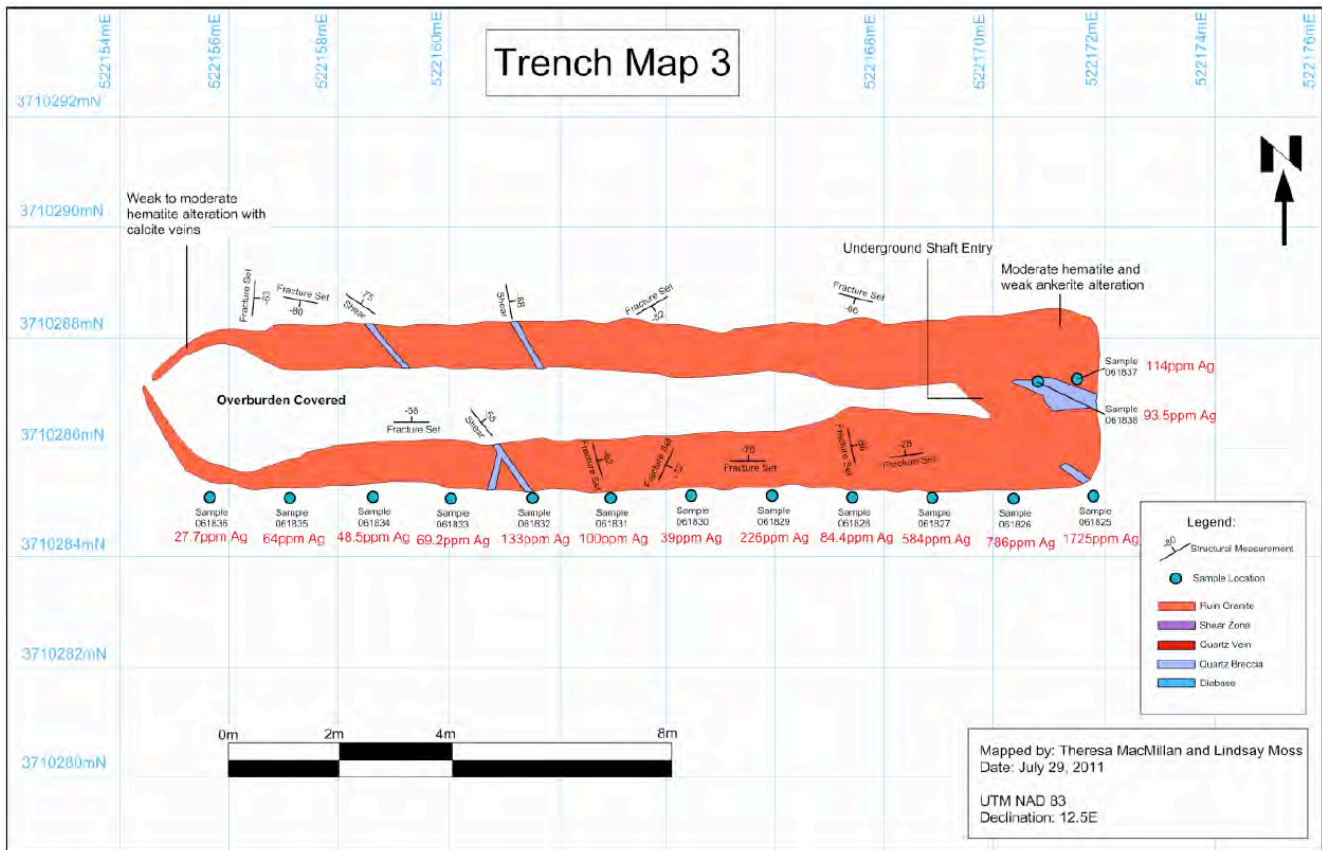


Figure 21: Trench Map 3: Note that the shaft at the east end of trench 3 is the locate of the Richmond Mine as shown in Figure 3.
 Source: MacMillan, T., Moss, L., 2011, pg. 16.

6.3.3 Buckeye Mine Site Mapping

In 2012–2015 work was done at the Buckeye patent reviewing the old data and preparing an up-to-date mine section of the workings to make the site ready for diamond drilling and test production. Nick Barr was involved with this program and prepared drawings of the plan and mine section for the Buckeye mine.

6.3.4 Buckeye Mine Site Test Mining Program, Northern Sphere Mining Corp. 2016-2017

In 2016 the property optionor of the Black Diamond project also leased the Buckeye Patent contained within the larger land package of claims. The company (NSM) completed some compilation of surface and underground sampling along the workings as stated above in Section 6.3.3. The historic mine was accessed through the central portal and decline and made safe with the installation of temporary ventilation and a pumping system. Surface areas were also prepared for lay down and logistics. An evaporation pond was excavated. Within the mine an appreciable amount of muck, mineralized vein material was collected as part of a test mining program. The collected material was processed off site by NSM using gravity concentration and a total of approximately 500 ounces of silver dore bars were produced. See the coverage of this report. The site infrastructure is illustrated in Figure 10.

This work at the Buckeye mine confirmed the ability to enter, extract, and process the vein mineralization with indications of significant grade potential remaining in the vein. This historic

mine provides one of the areas on the project that should be targeted for further investigation on the known mineralization. This plan is outlined in Section 26, Recommendations.

6.3.5 Property Scale Geochemistry Sampling Program, Northern Sphere Mining Corp. 2017

In 2017 a property-wide soil geochemistry program was initiated on the property by the previous optionor, Northern Sphere Mining Corp. A total of more than 800 soil samples were collected and submitted to ALS Global, Reno for 16 multi-element analysis from 3 separate grids. All grid sampling used a 50 m line and sample spacing and all sample lines oriented north-south (NAD 83). The survey only covered three blocks as illustrated below in Figure 22 and 23 covering approximately 10% of the current property package or about 500 acres (202.5 ha). Exploration by this group then focused elsewhere and the geochemistry survey remains incomplete for the property and remains a priority for Silver Bullet Mines.

A summary for the work and results on the Richmond Basin NW Grid Area follows. It should be noted that the grid area represents partial coverage of documented silver mineralization and is centred on north and west portions of the historic silver workings. A total of 250 soils were collected initially with 224 samples on a second round of sampling in the area. See Appendix E1 for the NW Richmond Basin Grid soil sample assay certificates. Approximately 60 to 70% of the Richmond Basin, hosting numerous historic mine workings to the south and east of the area, is not soil sampled to date. Typical depth to bedrock 12 to 16 inches (30.48 – 40.64 cm). Less than 10% of samples reached sub-crop during soil collection. About 10 to 15% of the grid area is exposed bedrock. Majority of host lithology composed of diabase, with lesser coarse grained Precambrian granite and indurated silty meta sediments. Rare local exposures of andesite porphyry were noted. Increasing exposures of quartz diorite as host rock to mineralization was noticed in an easterly direction from area sampled. A basin silver-in-soil anomaly is open in all directions and measures about 900 m east-west and 1,000 m north-south on the NW grid. Several dozen rock chip samples from showings within the soil grid area would fall in the 90th percentile with silver reported up to 344 g/t (10.03 oz/t). Ten percent of the samples gave silver values greater than 10 g/t (0.29 oz/t). Copper, zinc and nickel values were also often found to be anomalous with copper up to 1,040 ppm (0.1 %). There are several shafts and trench cuts, and numerous shallow digs within this area of soil geochemistry sampling. See Figure 22.

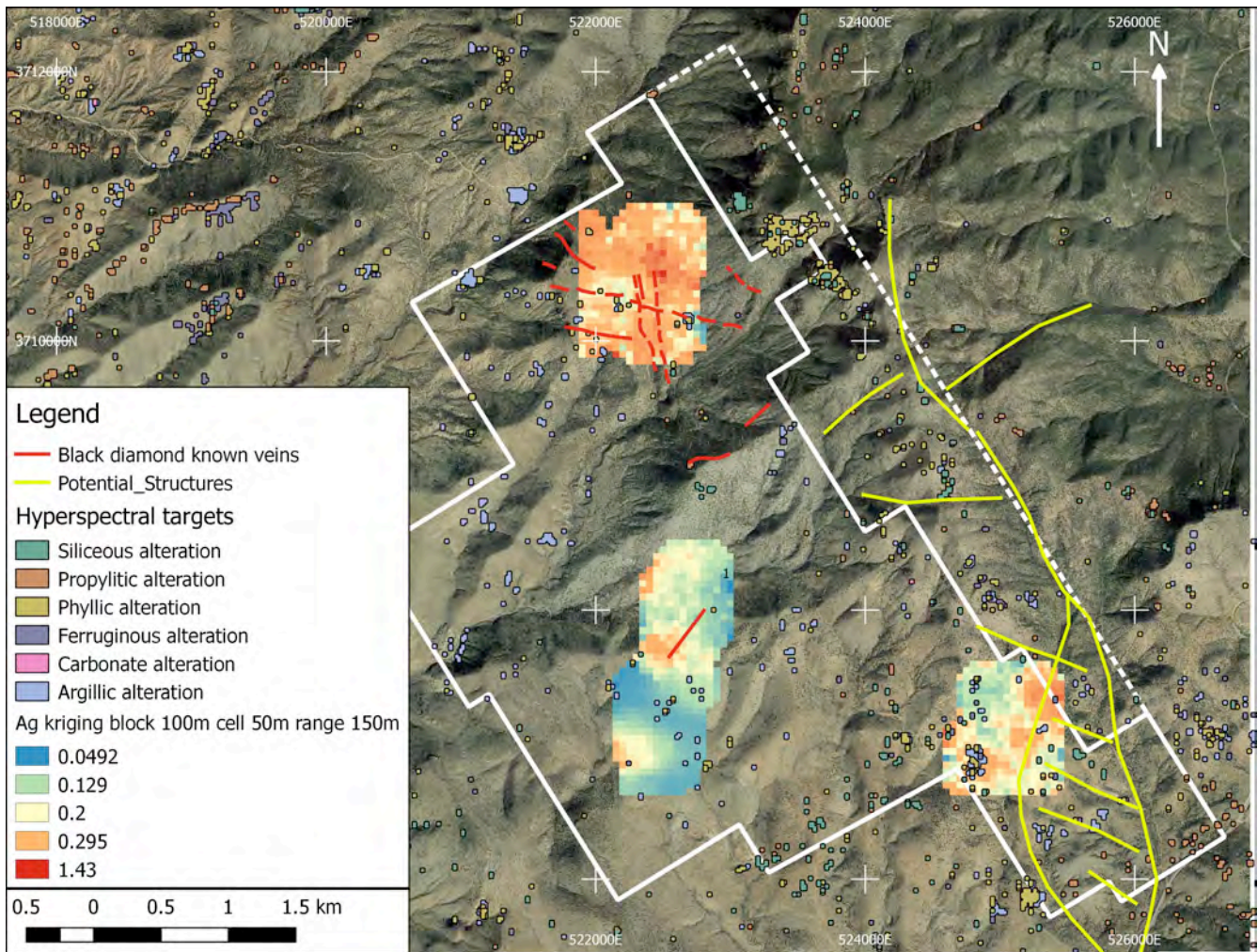


Figure 22: Soil Geochemical Sampling Grids – Silver [Ag]

Source: NSM

A summary for the work and results in the Black Copper Prospect area follows. A total of 188 soil samples were collected in the Black Copper prospect area. Centrally located are the Black Copper prospect/mine showings, with magnetite hosted copper and gold mineralization. Previous rock chip sampling returned copper values up to 7.07% and gold up to .076 opt. (2.6 g/t). Magnetite replacement mineralization marks contact of quartz Diorite and middle Proterozoic Mescal Limestone, with local linear exposure of diabase. The strong copper-in-soil anomaly marking southern portions of soil grid is underlain by Mescal Limestone and Dripping Spring Quartzite, with local, poorly exposed 'windows' of variably clay altered Quartz Diorite. Sampling of scattered prospects located 50-400 m (164-1,312 ft) south of magnetite hosted mineralization, returned elevated copper, silver and lead results of up to 2,890 ppm (0.29%), 66.8 ppm (0.01 oz/t) and 10.35% respectively. Typical depth to bedrock 10-20 inches (25.4 – 50.8 cm) with less than 10% of soil samples reaching sub-crop. Copper-in-soil anomaly appears to be open to the west, south and east. Appendix E3 has the certificates for this grid.

A summary for the work and results in the Buckeye South Prospect area follows. A total of 135 soil samples were collected in this soil geochemistry grid. Northwest portions of grid sampled area were underlain by a broad zone of fractured, iron and manganese oxide altered quartz diorite in irregular contact with diabase and meta sediments.

There are five or six historic prospect digs marking this altered contact zone. Rock units underlying south and east portions of the Buckeye South Grid are composed of coarse grained Precambrian granite, Dripping Springs Quartzite and Pioneer Shale. Typical depth to bedrock is similar to other areas. At present, mineralization of this area is poorly understood. Some evidence of linear clay altered zones was observed. The area showed anomalous copper to over 80 ppm (0.01%) and zinc values of 7,660 ppm (0.78%), 4,820 ppm (0.48%) and 4,770 ppm (0.48%). Appendix E2 has the assay results for the Buckeye South Prospect.

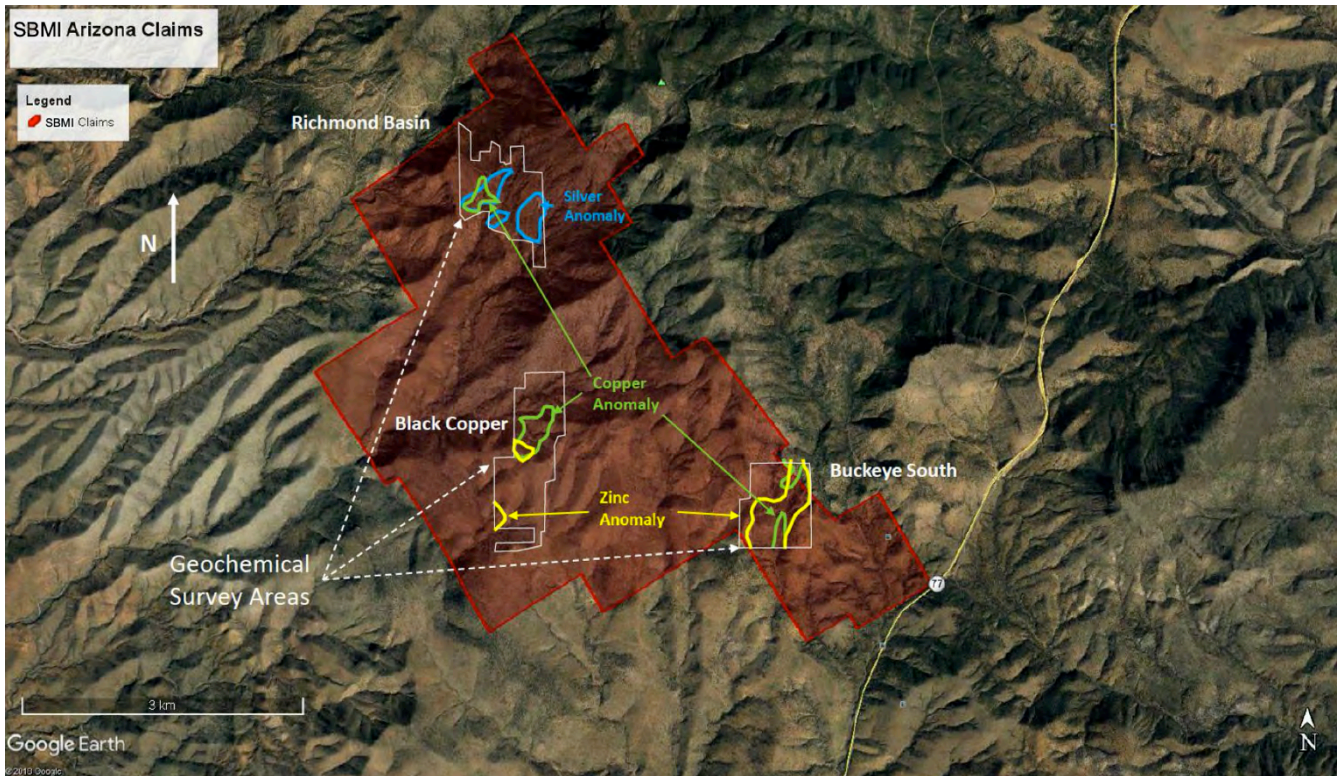


Figure 23: Soil Geochemical Anomalies (Source: NSM)

6.3.6 Buckeye Diamond Drill Program, Northern Sphere Mining Corp. 2017

Also in 2017 Northern Sphere Mining Corp. conducted a 14 hole surface diamond drill program on the Buckeye Patent lands. The drilling targeted the vein and structure hosting the mineralization developed by the historic mining on the site. The drilling was successful in targeting the vein and intersecting zones with anomalous silver and copper values within the structure below and adjacent to the historic mine workings. The drilling covered a strike length of over 1,300 feet and up to a depth of over 800 feet below the old mine workings. Combined with surface and underground sampling, the diamond drilling assisted in identifying areas hosting anomalous to high grade silver. The more significant intercepts are given below in Table 4. This drilling program was conducted in the past three years at an all-inclusive cost of approximately US\$3.4 million by Northern Sphere and forms part of the expenditures indicating the Black Diamond Project is a property of merit. Drill hole survey information for this program is given in Appendix F1 while Appendix F2 gives the drill core log information. Appendix F3 gives the diamond drill assays. Table 4 below gives some of the diamond drill assays. Figure 24 shows a section from this drilling.

Table 4: Buckeye Patent Drilling Composite Results - Silver (Ag)

Hole ID	from	metres	to	Ag	core length
				g/t	metres
B-17-1	170.7		171.6	4.5	0.9
B-17-2	194.2		196.3	3.5	2.1
B-17-4	236.5		237.7	46.2	1.2
B-17-5	281.0		283.5	3.0	2.4
B-17-6	121.9		124.1	8.2	2.1
B-17-8	99.7		100.1	5.0	0.5
	114.1		115.4	4.5	1.2
B-17-9	171.6		177.7	17.8	6.1
	171.8		174.3	8.5	2.6
	176.2		177.7	51.3	1.5
	176.5		176.8	179.0	0.3
B-17-10	50.7		51.8	8.3	1.1
B-17-11	56.1		57.3	4.3	1.2
	59.9		61.3	5.7	1.4
	61.3		64.5	9.2	3.2
	68.9		70.0	4.4	1.1
	78.6		79.2	4.8	0.6
B-17-14	164.3		165.5	3.4	1.2

Source: NSM

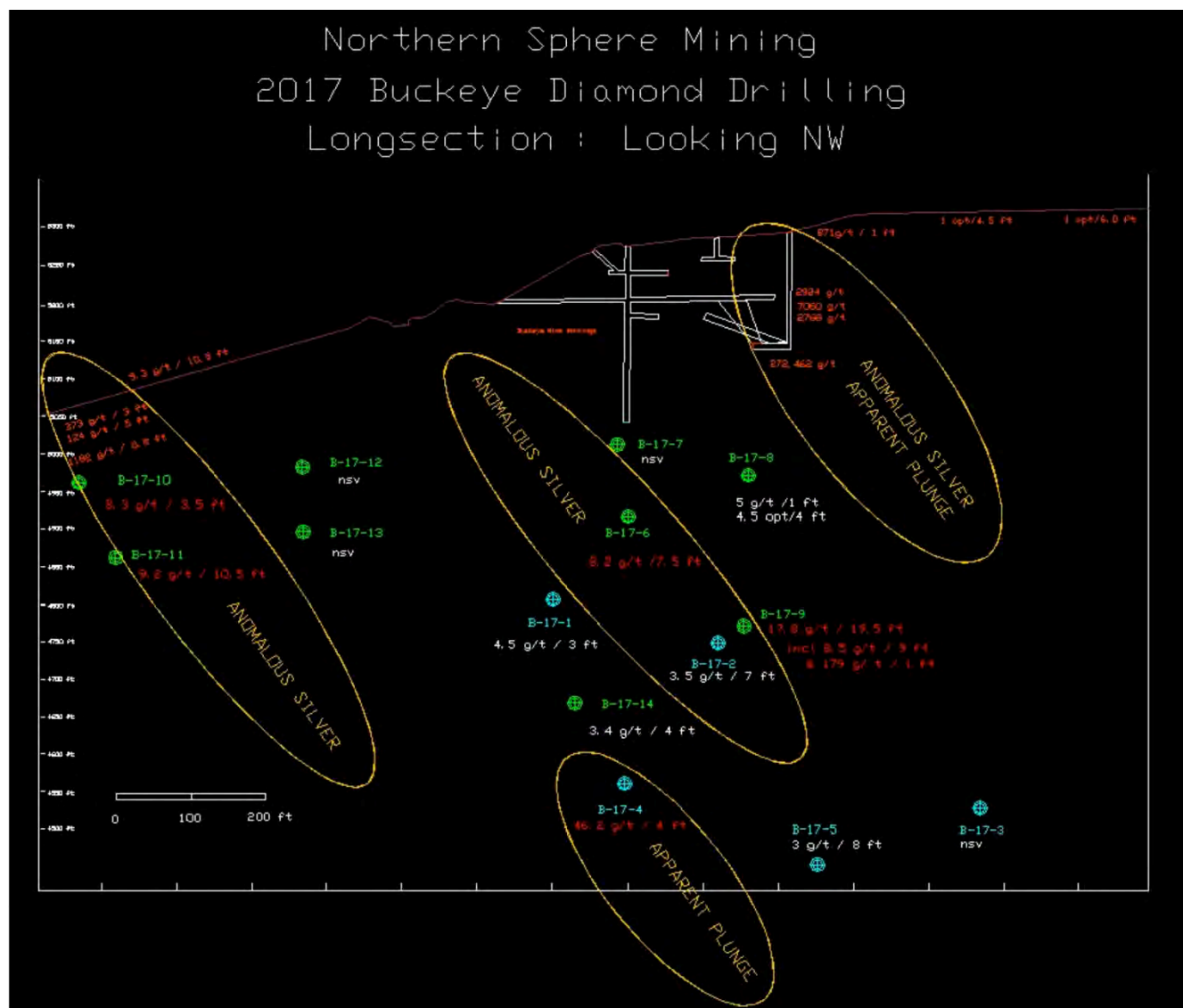


Figure 24: Buckeye Drilling Cross Section Source: NSM

6.3.7 Regional Hyperspectral Analysis - Northern Sphere Mining - 2018

Northern Sphere Mining Inc. through the services of GoldSpot Discoveries Inc., conducted a regional spectral analysis of the area using the ASTER satellite data. The purposes of the survey and analysis were to: map the regional spectral tendencies; map certain minerals that are often associated with metallic mineralization systems; and map alteration types that also point to potential mineralizing systems and processes. The survey covered a block of ground centred on the project but also included analysis of the area outside of the current claim block. The results of this survey work along with additional information encouraged the expansion of the property from 182 to 232 claim units.

The survey provided information relating the regional geology to the results of the spectral analysis.

The survey did highlight areas of specific minerals as targeted by the spectral analysis with specific sites for follow up as highlighted with respect to lithology, various rock contacts, and potential structural trends. Based on some of these initial results the Company also staked additional lands on the East side of the existing claim block to cover these anomalous areas that are yet to be added to the project claim block. See Figure 34.

In the McMorris Mine area the argillic and phyllic alteration identified by the spectral study correlated well with the known mineralized structures and trends. This same correlation was noticed with areas of high metal content in the existing soil sampling grids.

The report recommends ground truthing all anomalous areas, a structural analysis of the mineralizing trends and alteration trends and then a re-analysis of the results for better targeting from these results.

The author recommends using this survey to target the next blocks for the geochemical soil survey in order to test the alteration anomalies for potentially coincident mineralization. This work was conducted in the last three years at a cost of C\$50,000 and forms part of the exploration expenditures that indicate that Black Diamond is a property of merit. The complete report is found in Appendix B.

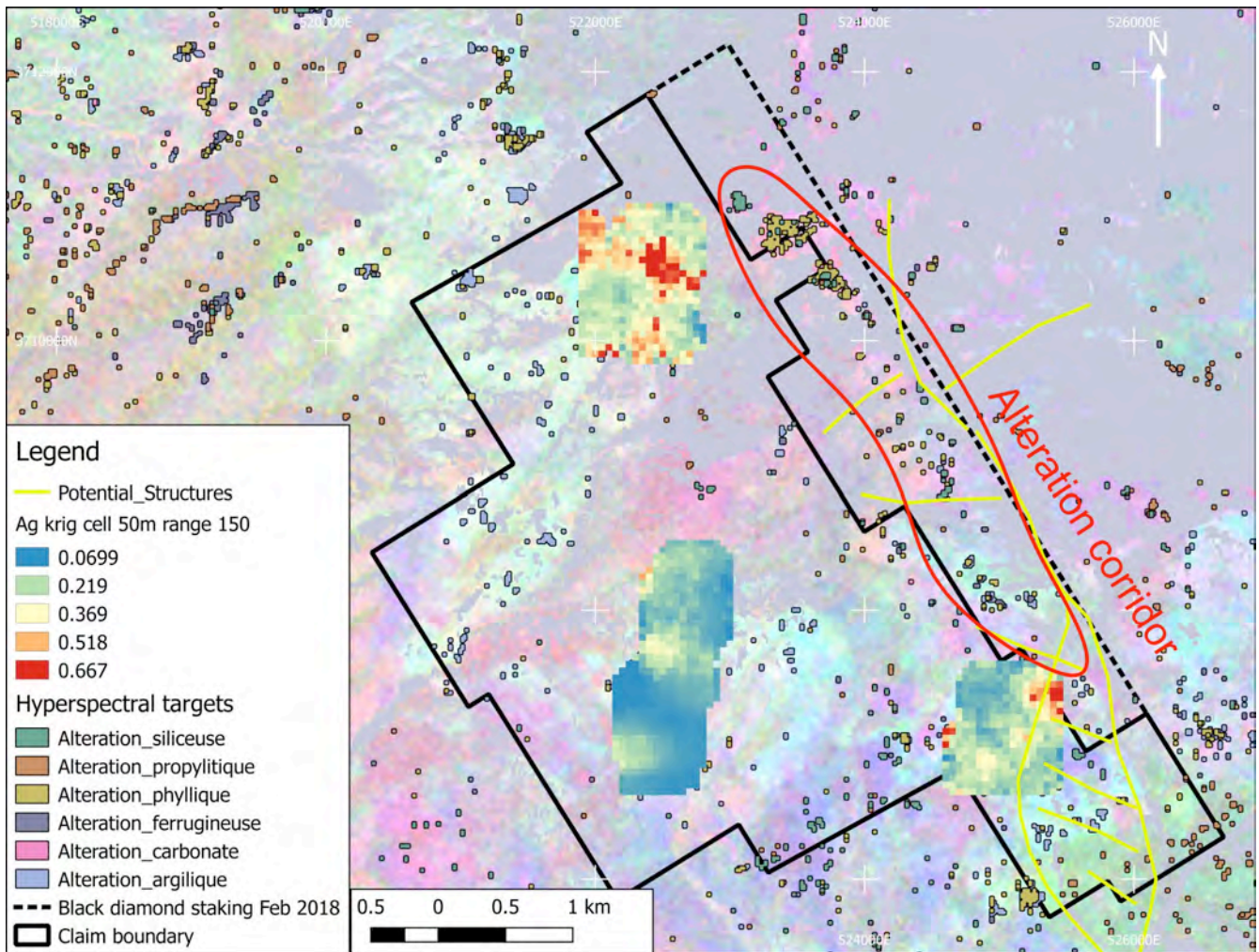


Figure 25: Hyperspectral Analysis of the Black Diamond Property Surface The tiny rectangles on this map are hyperspectral anomalies coloured according to the alteration observed. The 3 ground soil Geochemistry survey areas are overlain on the Aster imagery as rasterized blocks

Source: Black Diamond Exploration Inc..

7. GEOLOGICAL SETTING AND MINERALIZATION

7.1 REGIONAL GEOLOGY

Arizona can be divided into three distinct provinces defined by tectonic history. See Figure 26 (Physiographic/Tectonic Provinces). The northerly Colorado Plateau, consists of flat lying to gently tilted Mesozoic and Paleozoic sedimentary rocks. It has remained a relatively stable and coherent platform for over 600 million years, and best exposed where bisected by the Colorado River. The Central Highlands or Mountain Province are a northwest trending diagonal band across the state, marking a transition zone between the Plateau and southern basin and range deserts. The Mountain Province is characterized by northwest trending ranges of deformed and fault bounded Precambrian and Paleozoic sedimentary formations resting on Older Precambrian schist and granitic basement rocks.

Compressive forces of the Laramide Orogeny between 50 and 75 million years ago, resulted in uplifting the Central Highlands several 1,000 ft higher than either the Plateau or Basin and

Range Desert. Significant mineral deposition, associated with Laramide-age intrusive activity, also characterizes a number of regions within the Central Highlands. In contrast, the low elevation Basin and Range Province of Arizona is defined by northwest-southeast and north-south linear ranges separated by deep filled basins. Extensional tectonic forces, directed in a northeast-southwest direction were particularly active in the desert regions during the Mid-Tertiary Orogeny, 15 to 28 million years ago, resulting in well developed horst and graben terrain features.

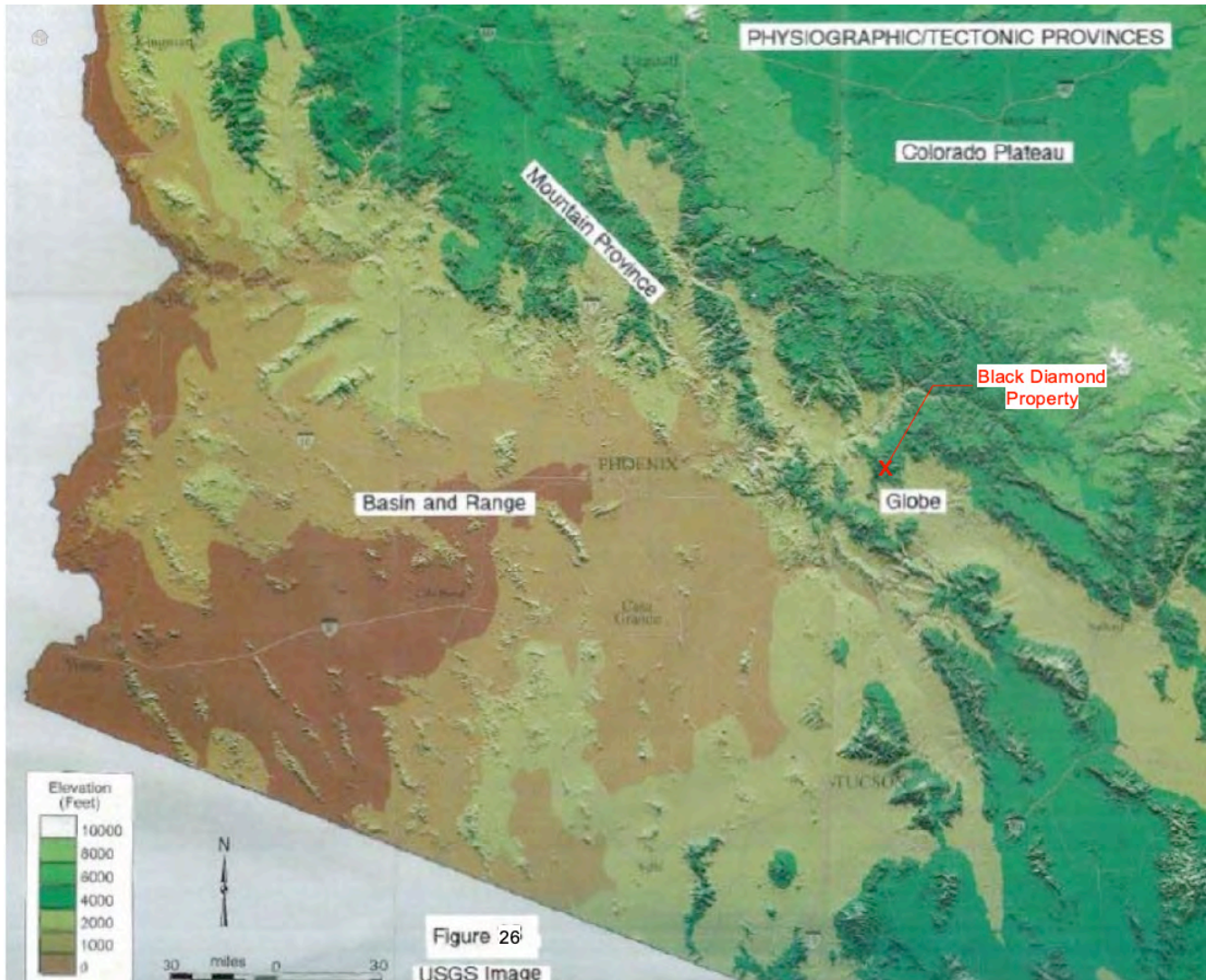


Figure 26: Physiographic Tectonic Provinces

Source: Kamilli, R.J & Richard S.,M.1998

7.1.1 Gila County/Globe-Miami District

With its long history of very early gold and silver mining, followed by significant development and production of copper, the Globe-Miami District has benefited from a number of comprehensive studies and publications. Early work by F.L. Ransome, 1903, U.S. Geol. Survey Prof. Paper 12, and N.P. Peterson, 1962, U.S. Geol. Survey Prof. Paper 342, present thorough descriptions of district geology and underground workings that were accessible at the time.

The structural setting of the Globe-Miami District suggests it marks the intersection of two major orogenic belts, thought by a number of earth scientists, to be a key ingredient for the location of important mining districts. The Early Proterozoic Mazatzal Revolution, between 1650 and 1730 million years ago, was a major mountain building episode related to colliding crustal plates, across Arizona and beyond. Compressive forces, generated from either the northwest or southeast, resulted in a range thought to be on the scale of the Himalayas. Deep seated, northeast trending structural breaks associated with this compression developed along the southern flank of Mazatzal Land, which now coincides with location of the Globe-Miami District. Veining, alignment of Laramide-age intrusives, and fracture patterns within the disseminated ore bodies, all display a pronounced northeast fabric. Figure 27 (Trend of Early Proterozoic Mountains) shows position of Mazatzal Land in relation to the Globe-Miami District.

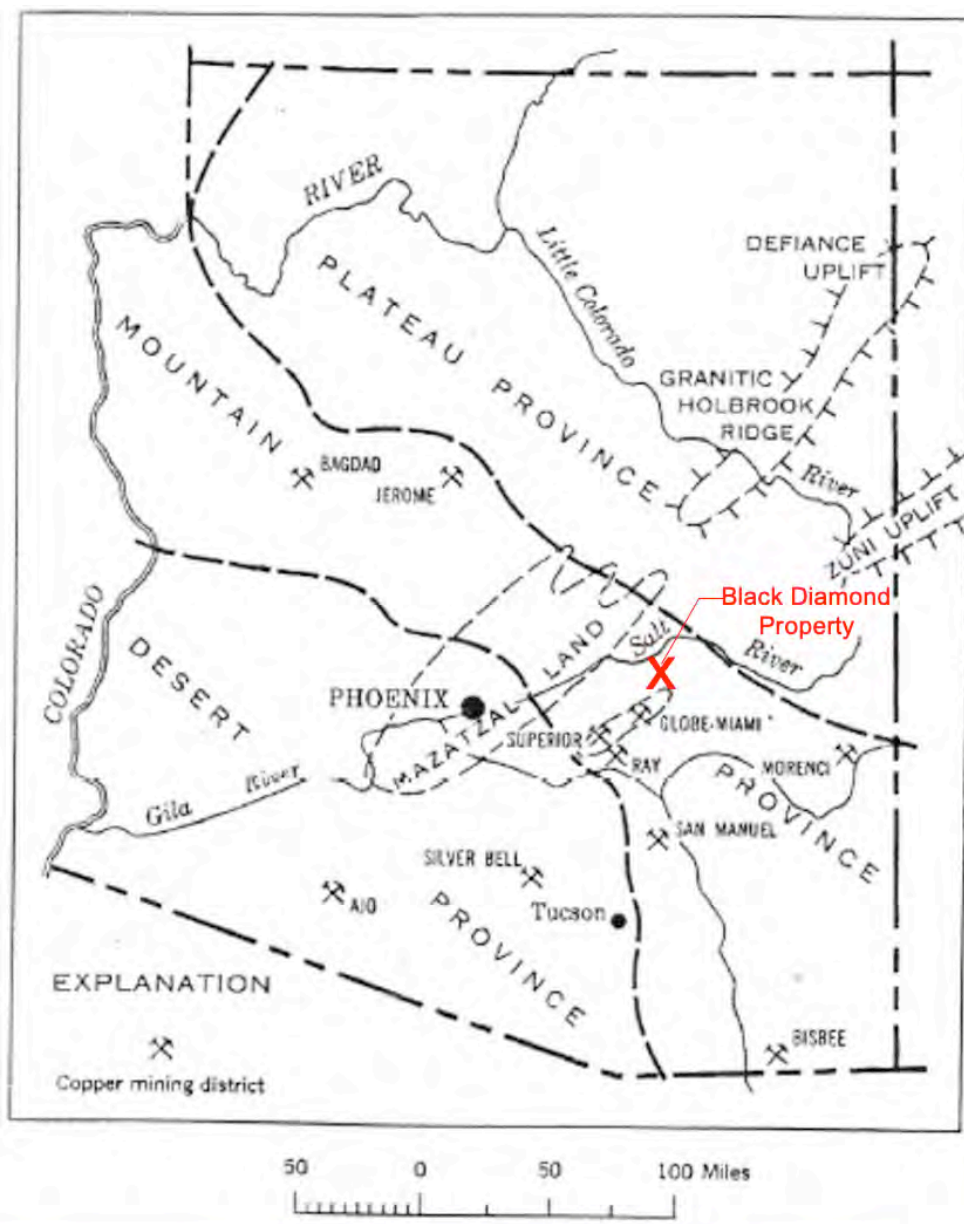


Figure 27: Trend of Early Proterozoic Mountains In Arizona Showing nearby major mines in the surrounding area

Source: Arizona Geological Professional Paper 342, 1962

There is general consensus that the strong north-easterly control on mineralization is an inherited and/or reactivated Precambrian structural fabric. The 1760 my Pinal Schist and the 1420 my Ruin Granite, represent the core metamorphosed sediments and batholith remnants of Mazatzal Land. Both of these basement rocks are exposed locally in outcrop, and in mine workings within the District.

Late Precambrian saw advance of the sea over levelled terrain, and deposition of the Apache Group on the Ruin Granite or Pinal Schist. The Apache Group consists of a thin basal conglomerate, overlain in turn by Pioneer Shale, Dripping Springs Quartzite and Mescal Limestone.

Thickness of individual units varies. Average reported thickness for the Pioneer, Dripping Springs and Mescal Limestone respectively is 200-270 ft (61-82m), 350-650 ft (107-198m), and 10s to several 100s of ft. Formations typically show a gentle south to southwest dip. Continuity of exposures is often disrupted by block faulting, with displacement of several 10s of feet or greater. Mineralization under study at Black Copper Prospect, is hosted by the Dripping Springs Quartzite and Mescal limestone of the Apache Group, where in contact with quartz diorite.

During the Paleozoic, between the Cambrian and Pennsylvanian, the sea would advance and retreat three more times and deposit the Troy Quartzite, Martin Limestone, Escabrosa Limestone and Naco Limestone, from oldest to youngest. Because of differential erosion, this stratigraphic sequence is often incomplete. With the exception of Troy Quartzite, Paleozoic rocks are not exposed in the immediate project area, but do outcrop in southern portions of the Globe Hills District. Both the Mescal Limestone and Paleozoic carbonate units, were important host rocks in the Old Dominion vein system, typically supporting higher grades and thicker sections of ore, especially where forming the vein hanging wall. **Note that the Old Dominion Mine is not located on the Black Diamond Property (see Figure 1).** These same carbonate formations have contributed significant skarn related ore in a number of central Arizona porphyry districts, notably the Christmas deposit in southern Gila County.

Diabase is aerially extensive within central portions of Gila County. Between Richmond Basin and the southern edge of the Globe Hills District. It is the dominant rock type exposed. It is often recessive in outcrop and obscured by a mantle of siliceous, transported float. In outcrop it is medium green in colour, medium to coarse grained, and often displays conspicuous laths of white feldspar. Early workers tend to assign a Cretaceous or Tertiary age, however, more recent publications will ascribe an age of late Precambrian. It commonly intrudes the Apache Group as massive sills up to 500 ft (152m) thick, or as a complex of interconnecting dikes and sills. The significant volume of intruded diabase is thought to have coincided with an extensional tectonic event in the late Precambrian. It is further recognized as having been an important mechanism for reactivating the older Precambrian structures. This reactivation would be of particular importance for the later emplacement of mineralizing fluids. The prevalence of diabase within both the Precambrian and Paleozoic sediments is well illustrated in cross sections of the Old Dominion vein system.

At the Ray Mine, south of Globe, **not located on the Black Diamond Property (see Figure 1)**, hypogene ore grades, hosted by diabase, are typically two to three times higher, often exceeding 1% Cu. Diabase is reactive to hypogene mineralizing solutions, and holds the ability to neutralize acid in large amounts that facilitates precipitation of secondary copper as

non-sulphide minerals.

It should be stated that the author has not investigated any of the above adjacent properties and that the information presented earlier is not indicative of the mineralization on the property that is the subject of this report.

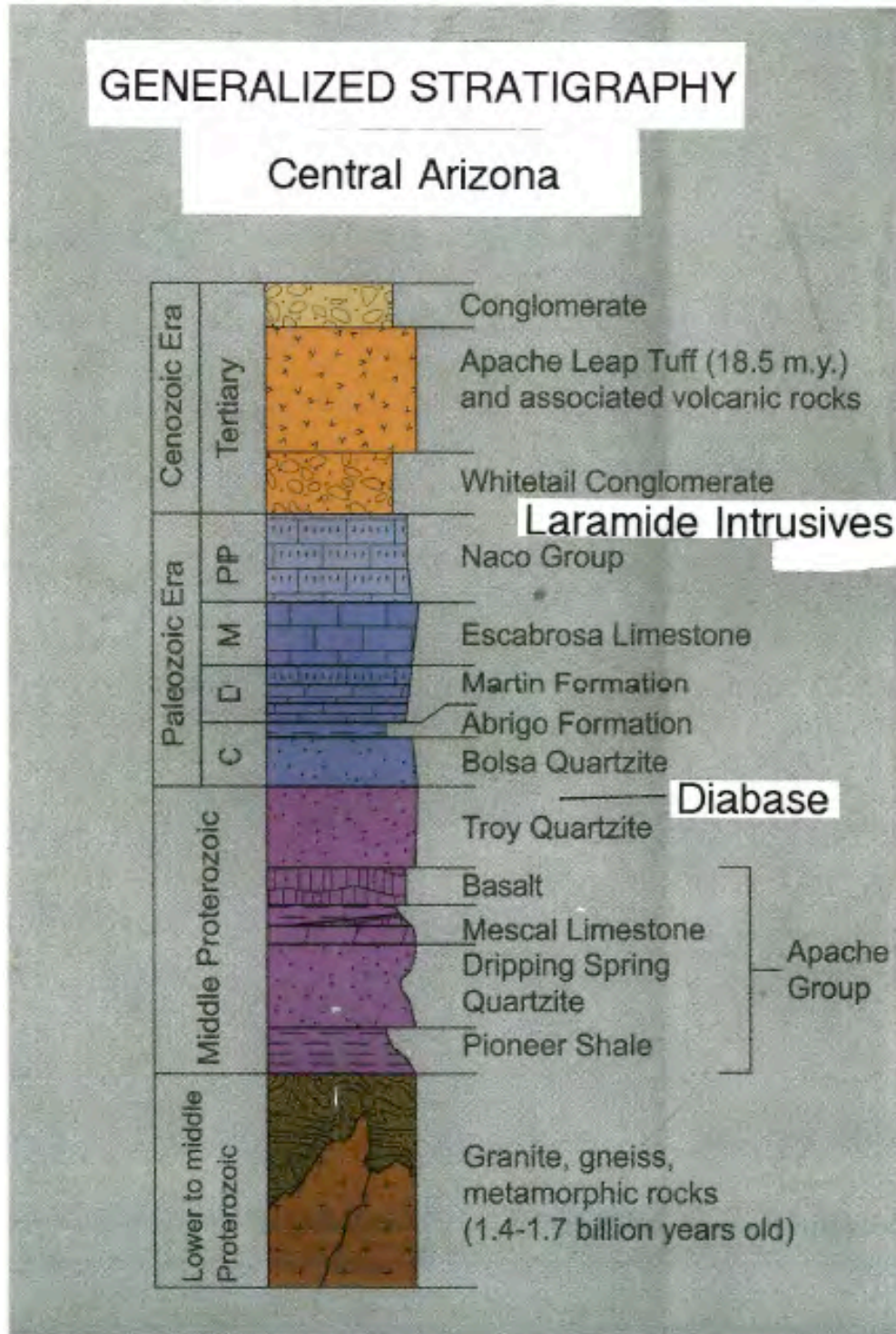


Figure 28: Generalized Stratigraphy

Source: Kamilli, R.J & Richard S.,M. 1998

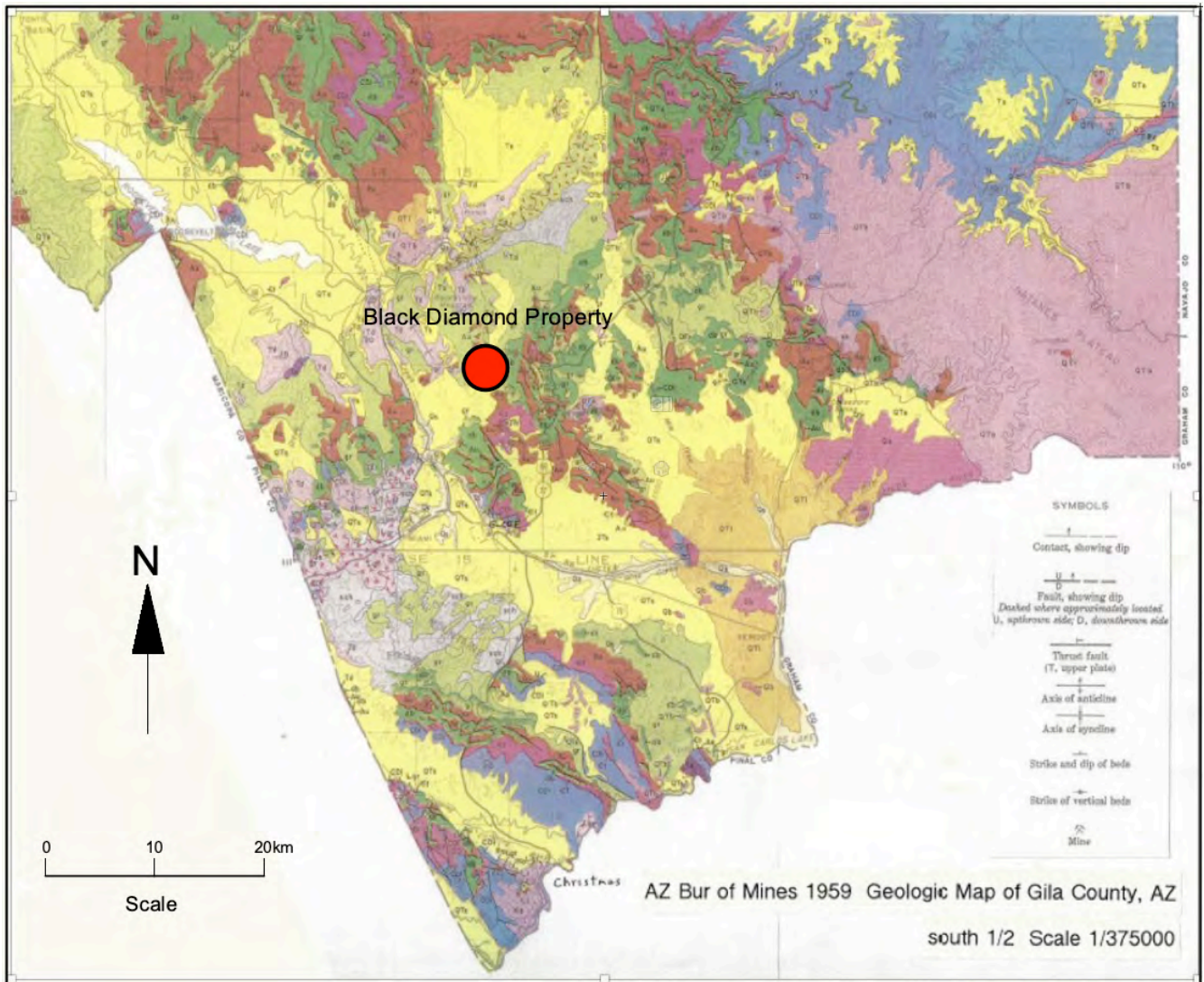


Figure 29: Geologic Map of Gila County - Regional Geology

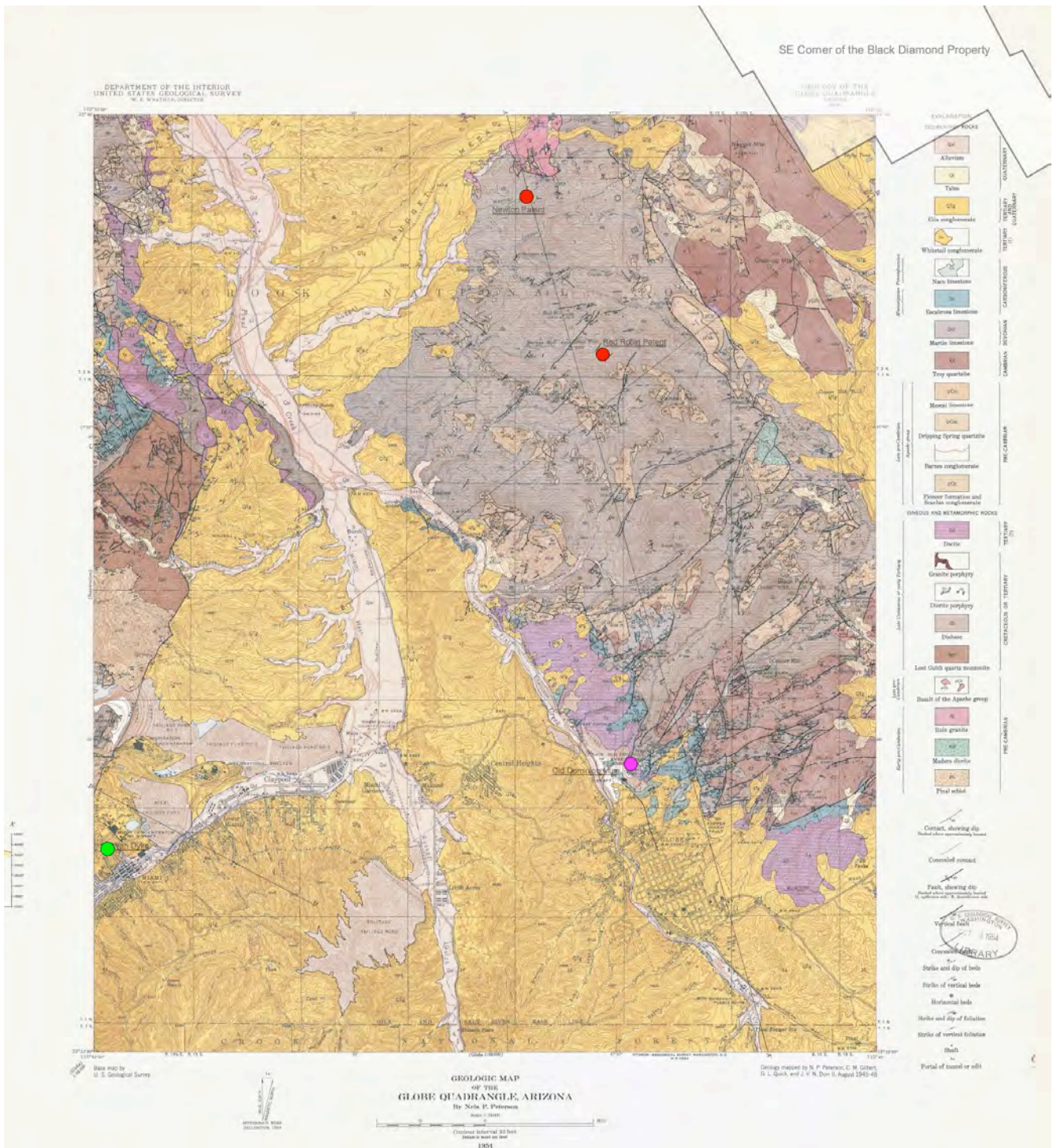


Figure 31: Geology Globe Hills District Note the location of the Black Diamond Newton and Red Robin Patents as well as the SE portion of the claim block in the Richmond Basin Area.

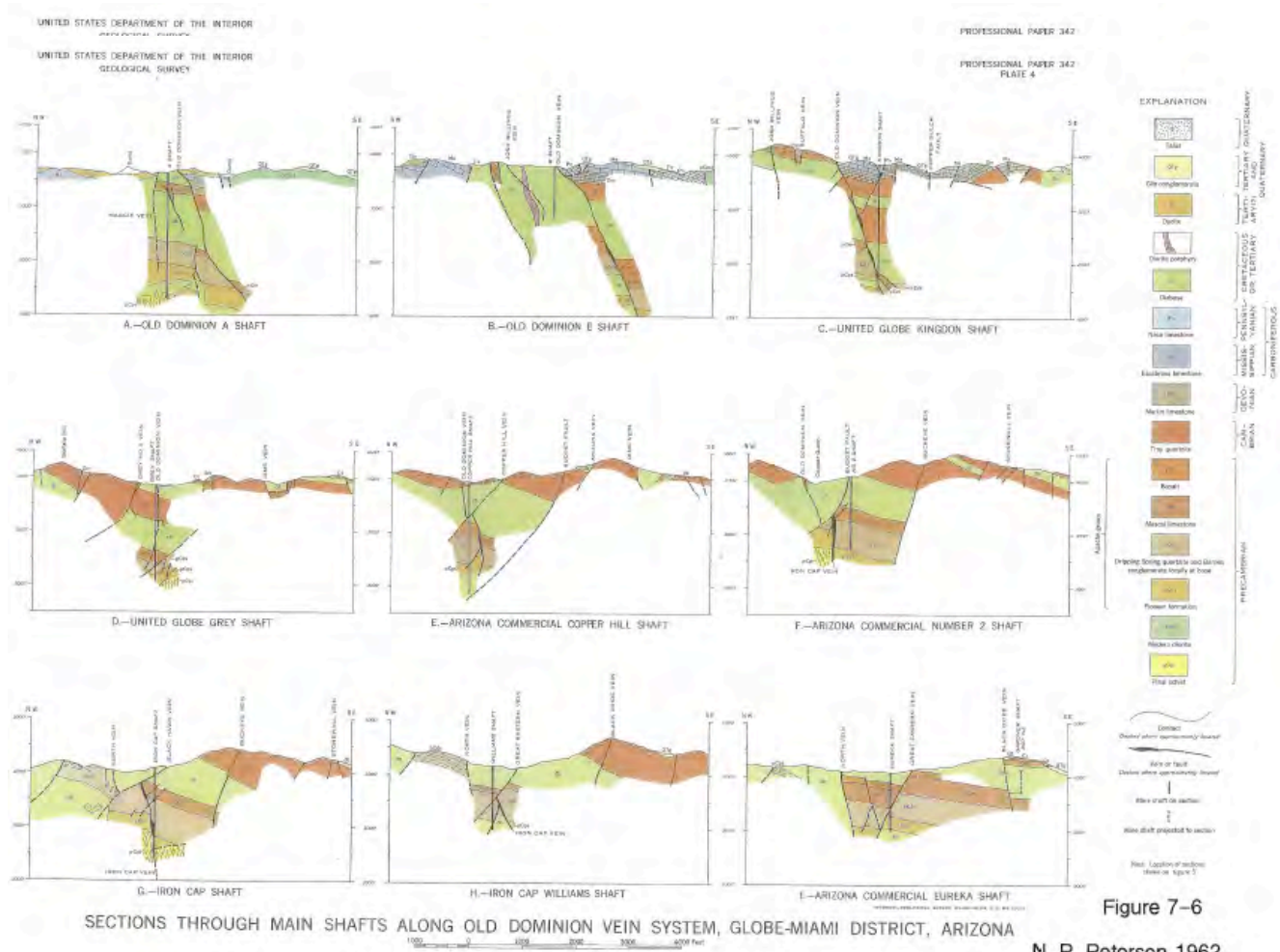


Figure 7-6
N. P. Peterson 1962

Figure 32: Old Dominion Vein System Sections: Showing geology south and outside of the Black Diamond Property

7.1.2 Laramide Orogeny

The Laramide Orogeny, between 50 and 75 million years ago, was a compressive mountain building event, directed in a northeast-southwest direction that would uplift, and produce a pronounced northwest-southeast fabric to the mountains of the Central Highlands. Most importantly, it would initiate intrusion of granitic rocks roughly aligned along zones of crustal deformation, and culminate with a major influx of ore-bearing fluids. The timing of major metallizing events in the copper districts is younger from west to east. This pattern is thought to reflect the migration of a mantle ‘hot spot’ beneath the Laramide zone of compression.

A northeast alignment of both individual intrusives and chains of intrusives in the Globe-Miami District is evident. In the vicinity of Copper Cities and Miami-Inspiration, a large displacement, north 60 east vertical fault, marking the contact of the Pinal Schist-Ruin Granite basement rocks, was an important control for emplacement of the Schultze Granite and associated granitic porphyries. The Schultze Granite is believed to represent the last Laramide related intrusive event to be emplaced, and directly associated with the main mineralizing event.

As can be determined from published geologic maps, the eastern most outcrop exposure of Schultze related intrusives are in the Copper Cities pit. This is roughly 7 miles (11.3km) southwest of Black Copper. A large portion of the intervening area, especially Nugget Mesa and lower Nugget Wash, is obscured by Quaternary sediments. The Nugget Mesa area is being actively explored, however, information is lacking on the underlying geology.

The most recent faulting in the Globe-Miami District is believed to be related to the same northeast-southwest oriented Oligocene-Miocene extension that affected the lower desert Basin and Range. The resultant high-angle block faulting would be aligned northwest-southeast. This pattern is evident in the project area, where the Apache Group sediments tend to show a stair step, down drop pattern from east to west.

Rock units not exposed at Black Copper, but expected at depth, include Pioneer Shale beneath the quartzite that would in turn be intruded and/or underlain by diabase. The Precambrian Ruin Granite basement outcrops several kilometres northeast in Richmond Basin, and a similar distance southwest, near Nugget Mesa. Based on these exposures, it is assumed Ruin Granite would be subjacent to the Pioneer Shale and/or diabase at the project site.

7.2 PROPERTY GEOLOGY

The Black Diamond Property marks the southern boundary of a well exposed quartz diorite stock, in contact with Dripping Springs Quartzite and the overlying Mescal Limestone. The contact zone is mostly obscured by cover, but where exposed, defines a high angle fault zone with a pronounced curvilinear southwest to northeast trend. The core area of prospects, marking the topographic low along the mineralized contact, exposes chaotic faulting, and the limestone appears to have been down dropped relative to the intrusive. At the northeast end of the prospect trend, the limestone is not exposed, and a 6 ft (2 m) wide, vertical diabase dike marks the faulted contact of quartz diorite and quartzite.

In outcrop, the quartz diorite is medium grained, equigranular and mostly fresh in appearance. It is composed of hornblende, plagioclase, and biotite, with minor quartz and magnetite. Bishop (1935), in his thesis study of Richmond Basin, considered the intrusive to be Tertiary in age. In gross outline, the stock is approximately 1 km (0.6 miles) wide and 2 km (1.2 miles) long in a northeast-southwest alignment. This north-easterly elongation is characteristic of the district, and would further support a Tertiary age. Though inconclusive, the Gold Gulch granodiorite, exposed south of the Castle Dome Mine, is of similar composition, and thought to have been emplaced early in the intrusive sequence. The Richmond Basin quartz diorite has not been studied in detail west and northwest of the project area, and it is unknown if porphyritic phases are present.

The Dripping Springs Quartzite is typically medium brown, coarse to medium grained with faint cross bedded textures. It is highly siliceous and resistant in outcrop, often forming small bluffs. Where faulted, it displays pervasive brittle fracture. Average dip of the unit is about 20 to 28 degrees south. Hematite-limonite, siliceous matrix, high-angle breccia zones are scattered throughout the formation, however, they do not appear to host anomalous geochemistry. In the project area, overall thickness is estimated to be 200-300 ft (61-92m).

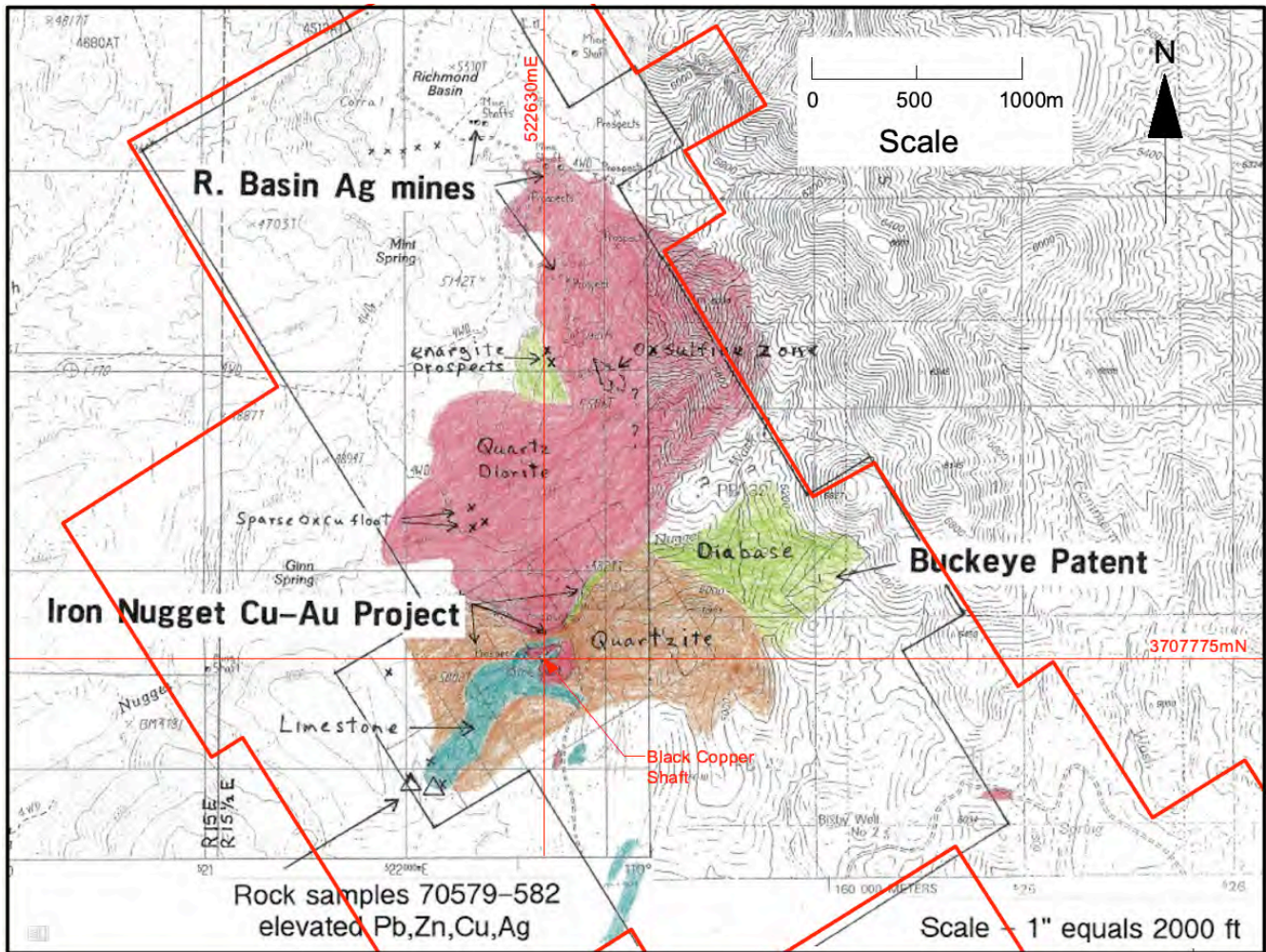


Figure 33: Property Geology of the Black Copper (Iron Nugget) and Buckeye Areas: Showing the red outline of the current claim fabric. The black outline shows the claim outline of the property at the time of the above mapping (2012-13). Note that the Black Copper shaft has been chosen as a datum on this figure and many other figures in the area.
 Source: Black Diamond Exploration Inc.

Where exposed, or in close proximity to the intrusive contact, the Mescal Limestone is variably bleached and silicified, and highly disrupted by faulting. It is the dominant host for copper-gold mineralized, replacement magnetite. Where less disrupted, it overlies the quartzite, and dips approximately 18 degrees south. In a southwest direction, the limestone is exposed for roughly 2000 ft (610 m). Thickness of the formation varies, but appears to be in the range of 80-150 ft (24-46 m). Composition ranges from thin bedded, medium grained pure limestone, to siliceous/dolomitic limestone. Irregular segregations of quartz or dark chert occur locally. The limestone/quartzite contact straddling the Black Copper workings located on the Black Diamond Property, frequently contained elevated manganese, coarse blebs of lead and zinc mineralization along with copper oxides and silver. The source of these base metal showings remains poorly understood and may represent a distal, base metal aureole peripheral to a higher temperature contact skarn deposit.

7.2.1 Richmond Basin Area

The basal unit in the Richmond Basin is the Precambrian Ruin Granite. The granite was deteriorated through extensive periods of erosion that reduced it to a peneplane. The Scanlan Conglomerate was deposited on top of the extensively eroded Ruin Granite. Overlying the granite is a series of Precambrian sediments that extend in a conformable sequence and are relatively flat lying and exposed to the top of Apache Peak.

The stratigraphic sequence from oldest to youngest includes: Ruin Granite; the Scanlan Conglomerate; and, the Pioneer Shale. The Pioneer Shale was succeeded by the Barnes Conglomerate that is composed of well-rounded pebbles of predominantly quartzite. Following the Barnes Conglomerate was the accumulation of quartz rich sands, now represented by the Dripping Springs Quartzite. The Mescal limestone is at the top/ youngest part of the sequence.

Intruded into the Ruin Granite and the Apache Group rocks are several diabase sills and one known dyke. This rock type, diabase, is widespread and common in Central Arizona. The quartz diorite is known to intrude the Ruin Granite and also cross-cut the diabase units. The youngest rock in the area is andesite porphyry that is intruded into the upper part of the Dripping Springs Quartzite as a sill and is also observed forming dykes in the diabase.

7.3 MINERALIZATION

7.3.1 General

General discussions of mineralization and past exploration are presented in Section 6.3 (Historical Work by Trueclaim and Northern Sphere) and Section 8.0 (Deposit Types). Three main zones of mineralization on this property are described. These being:

- 1) The hydrothermal silver veins of the Richmond Basin Area, primarily focussed on the east-west McMorris Vein in The Richmond basin Area (see Figure 34)
- 2) The copper skarn mineralization of the Black Copper Prospect and
- 3) The hydrothermal silver veins of the Buckeye Vein.

Figure 3 shows the mineral occurrences and past workings on the Black Diamond Property and discussed in this report.

7.3.2 Richmond Basin Area

Mineralization in the Richmond Basin appears to be related to intrusions that are associated with both the diabase and the quartz diorite that are in contact with the Scanlan conglomerate and with alteration veins occupying faults and structural breaks. The silver mineralization is commonly observed in association with chalcopyrite, argentite and tennantite. Native silver can be observed occurring as nuggets and less commonly as wires. The quartz diorite is an interesting intrusion as both copper skarn and silver epithermal mineralization has been found around the contact zone with this rock. At this time, there has not been work undertaken to see if there is any correlation with the Madera Diorite, a host rock of the Old Dominion Mine another skarn, located outside of the Black Diamond Property, or the quartz diorite associated with the skarn of the Christmas Mine, also located outside of the Black Diamond Property. (See section 8.2.1). Figure 1 shows the locations of these mines.

It should be stated that the author has not investigated any of the above adjacent properties and that the information presented above may not be indicative of the mineralization on the property that is the subject of this report.

Figure 34 below shows the geology of the Richmond Basin as well as the major veins and some of the main shafts, adits and main workings.

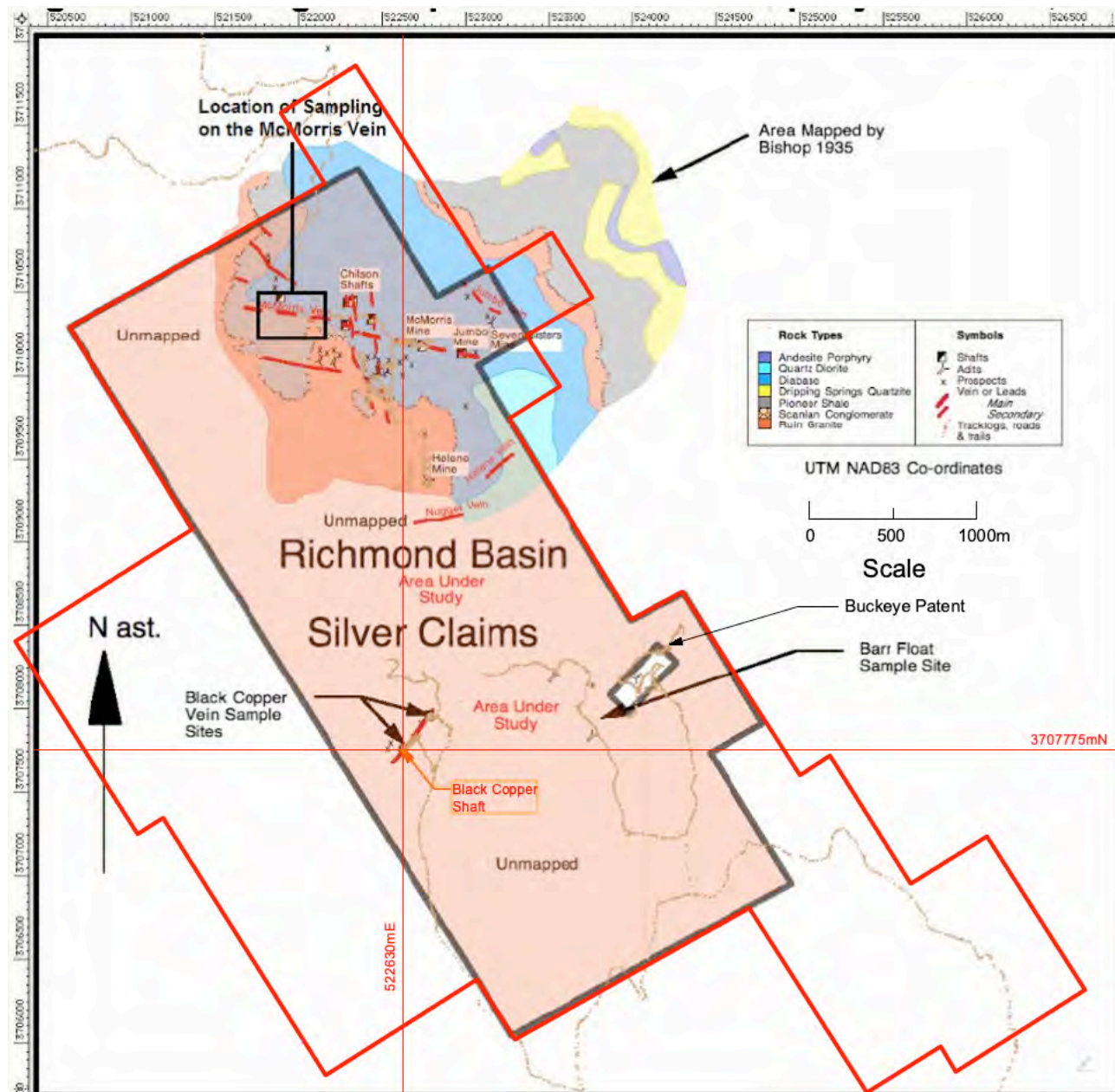


Figure 34: Geological Map of NE Corner of Black Diamond Property: Showing the red outline of the current claim fabric. The black outline shows the claim outline of the property circa 2012-13. Note that the Black Copper shaft has been chosen as a datum on this figure and many other figures in this area. Figure 3 shows the location of the Black Copper Prospect based on the Black Copper Shaft. This locate has been verified by GPS measurements in the field.

Source: Black Diamond Exploration Inc.

Mineralization at the McMorris Mine area, and other local prospects is contained within a known vein structure that extends for several 100's of feet (>2km) on the property. The exploration work presented above shows continuity of the mineralized vein for approximately 200m (>650 ft). Vein width is mapped ranging from one to three metres in the area. Depth continuity of the vein is untested at this time. Historic mine workings are said to extend to depths in the range of 200 m (650ft). Vein mineralization characteristics at other historic mines and prospects in the Richmond Basin need to be defined.

At the Buckeye Mine the mineralization in the vein was drilled in 2017 with results presented above. This work showed the vein intercepts Varied from 0.3 to 6.1m (1 to 20 ft). Continuity from this work indicated the vein extends laterally for over close to 400m (1,300 feet) below the mine workings.

The Jumbo Vein mineralization, located on the Black Diamond Property, is completely confined within a diabase dyke that strikes north-westerly across the basin. The vein within trends in a similar direction as the strike of the dyke. It was observed that the vein is present within a fault. Mineralization of the Jumbo Vein occurs as bands of cerargyrite and argentite with associated gangue minerals of barite and quartz. Mineralization at the Buckeye Mine, located on the Black Diamond Property and the Ellsworth Mine, appear to be quite similar to that of the Jumbo, however there is the presence of copper bearing minerals such as malachite and azurite in these locations. The Helena Mine, located on the Black Diamond Property, is located within the quartz diorite unit. Copper stained rock, malachite, observed on the associated waste rock pile indicates the presence of copper bearing minerals within the vein system of this historic mine too.

The two most common silver bearing minerals observed on the property are argentite and cerargyrite. Argentite generally occurs as scattered blebs and is the chief hypogene silver mineral throughout most of the prospects on the property. Cerargyrite is also observed as a component of most of the mineralization at prospects as well. Some of the reported silver values on the property are almost entirely due to cerargyrite that occurs as an apple green coloured silver chloride coating on fracture surfaces. Cerargyrite was most commonly found during mapping at the Jumbo Vein site.

7.3.3 Black Copper Prospect Area

The Black Copper Prospect mineralization is mapped discontinuously in outcrop and trenches over a distance of 30m (1,150 ft). The width of the mineralization ranges up to several metres in these exposures. The depth of mineralization is unknown at this time.



Figure 35: Magnetite with Azurite – Black Copper Prospect *Source SBMI*
Skarn or replacement mineralization at Black Copper showing secondary copper mineralization (possibly azurite) within a matrix of massive black magnetite. Source SBMI.

Magnetite-hosted, copper-gold mineralization at Black Copper, occurs as carbonate replacement at or near the contact of the Mescal Limestone and quartz diorite. Prospects provide intermittent exposure of the mineralized contact over a strike distance of 1,950 ft (600 m), however, the majority of the contact zone is obscured by cover, and continuity of mineralization is unknown. Where exposed, the magnetite is mostly massive and medium to fine grained, and occurs as irregular pods and stringers within variably silicified and/or bleached limestone. Underground workings are not accessible. Surface exposures of mineralization near the workings exposed magnetite blebs, stringers and veins ranging in thicknesses from 0.5-4 ft. (0.15-1.22 m). Chrysocolla and malachite are the only recognizable minerals present within the magnetite. Some sheared material containing both limestone and quartzite displays oxide copper, but typically returns copper values less than 1%. Distribution of gold values in the wall rock remains poorly understood.

Faulting along the sediment/intrusive contact is mostly high angle and chaotic, but defines an overall northeast-southwest trend. Discordant bedding, and breaks in continuity of the sedimentary units along strike, is evidence that blocks of the sediments have been down dropped against the intrusive. Slickensides are locally well developed, and intense brittle fracturing of both the limestone and quartzite, for distances up to 30 ft (9.1 m) from the intrusive, has been observed. See Figure 36 below.

Calcium silicate minerals associated with the contact generated mineralization is subtle.

Garnet, epidote and possible wollastonite are in evidence, but are not conspicuous or widespread. Bleaching and local silicification of the limestone, and clay alteration of the quartz diorite is common, however, exposures are similarly limited. Brittle fracture textures and apparent retrograde destruction of the calc-silicate assemblage does support a shallow emplaced system.

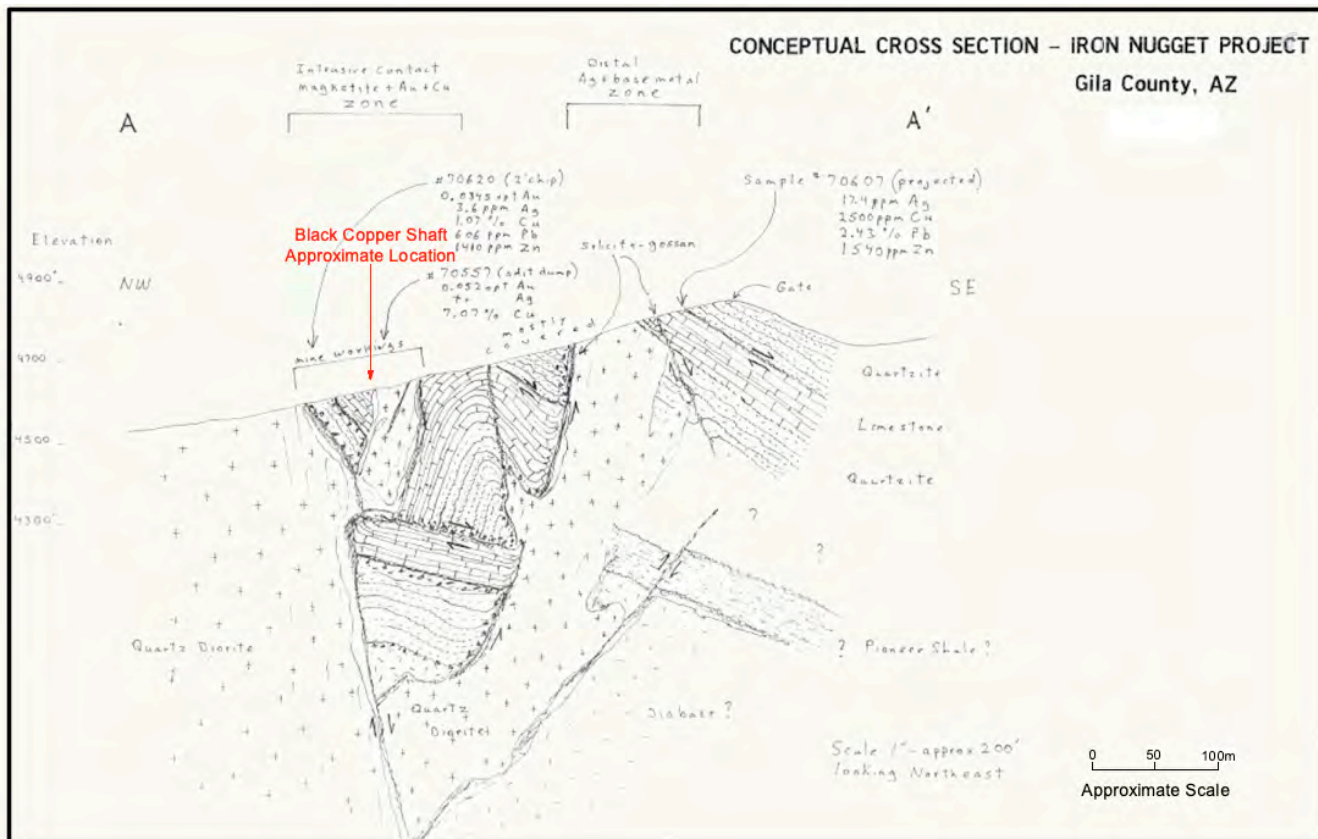


Figure 36: Conceptual Cross Section Black Copper Prospect (Iron Nugget)

Source: Black Diamond Exploration Inc., N. Barr

Located approximately 400 ft (125 m), south to southwest from the core area of workings, several prospects expose coarse blebby galena, with highly anomalous copper, zinc and silver. These prospects are aligned closely with a south dipping shear along the quartzite/limestone contact. See Figure 37, (Site Geology and Sampling Results). The gentle south dipping carbonate is exposed for roughly 2,000 ft. (610 m) in a southwesterly direction. At the southern extent of the carbonate, several prospects expose similar base metal mineralization. Though inconclusive, these occurrences are very supportive of skarn related, distal, base metal deposition. If interpreted as a base metal aureole, these showings would support the possibility of an underlying skarn system. Prospect and sample locations (70579-582) are depicted on Figure 37.

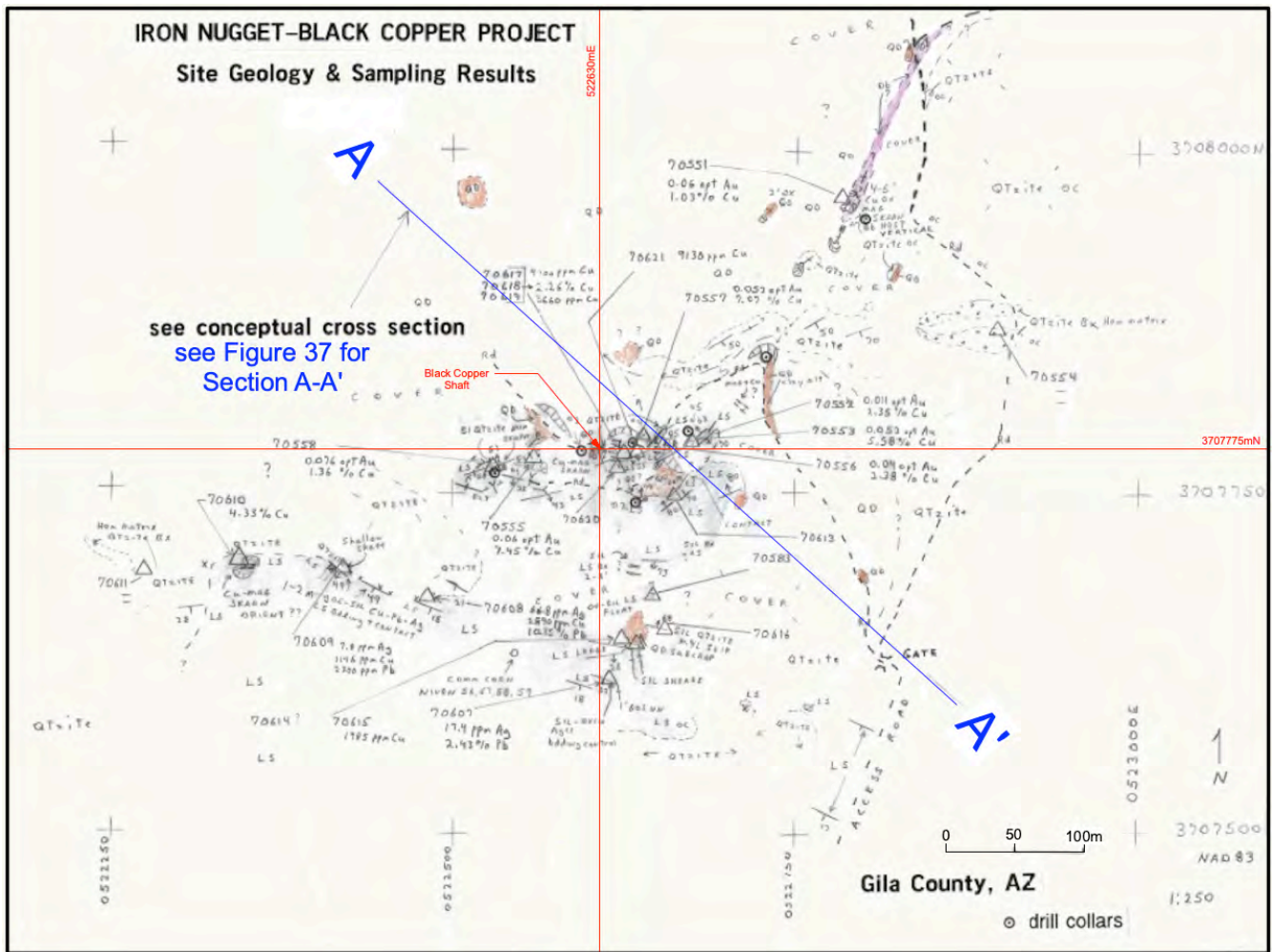


Figure 37: Mapping and Sampling Locations Black Copper Prospect (Iron Nugget):
Note that the Black Copper Shaft is used as a datum. All the above map area is contained within the Black Diamond Property. See Figure 3 for the location of the Black Copper Property. Section A-A' is shown in Figure 36.
 Source: Black Diamond Exploration Inc., N. Barr

8. DEPOSIT TYPES

Mineral occurrences within the Globe-Miami District share a common genetic relationship to a broad, deep seated structural fabric trending northeast-southwest. Deposit types include large disseminated, pyrite/chalcopyrite ore bodies within granite and related porphyries; extensive, copper enriched fault and fissure vein systems; and local concentrations of replacement type ore developed along the contact of intrusive and reactive carbonate rocks. Distribution of metals reflect a district wide zonation associated with porphyry systems, characterized by a core area of disseminated copper mineralization, grading outward to a base metal zone, in turn, followed by more distal precious metal veining. See Figure 39 on the Eastern Globe-Miami Trend.

Generally three types of deposits are known in the area of a 15 km radius of the Richmond basin: epithermal Ag Cu veins (McMorris and Buckeye Mines, located on the Black Diamond Property), replacement and/or skarn mineralization (The Black Copper Prospect, located on

the Black Diamond Property) The Old Dominion Mine, not located on the Black Diamond Property, and the Christmas Mine, not located on the Black Diamond Property), and porphyry copper deposits (Freeport-McMoRan Miami Porphyry Copper Mine, not located on the Black Diamond Property).

8.1 GENERAL DEPOSIT TYPES

The Miami-Inspiration porphyry copper deposit located 10 kilometers outside of the Black Diamond Property (see Figure 1 and Figure 39) consists of large volumes of disseminated pyrite and chalcopyrite hypogene sulphides, hosted dominantly within Pinal Schist, but also porphyritic phases of the Laramide Schultze Granite. Ore bodies are often formed by the supergene replacement of chalcopyrite and pyrite, by chalcocite and covellite.

The Globe Hills District, also outside of the Black Diamond Property, and situated east and northeast of Inspiration, hosts numerous, northeast trending, high angle veins, including the Old Dominion system. Primary hypogene minerals include quartz, pyrite, chalcopyrite, bornite, specular hematite, lesser galena and sphalerite, and local concentrations of gold and silver. Ore bodies are located in areas of more favourable wall rock. More easily replaced carbonate wall rocks, commonly yielded thicker sections of higher grade ore. Oxidized ore is reported to have contained 3 to 5 times as much copper as primary ore, which in the Old Dominion system, extended to the 12th level. Typical supergene enriched ore contained chalcocite, covellite, cuprite, copper carbonates and silicates. Also noted in the Globe Hills District is an increase in silver as workings progressed eastward. It should be stated that at this time there has not been any porphyry copper discovered on the Black Diamond Property and that the information presented above is not indicative of the mineralization on the property that is the subject of this report.

Silver mineralization, recognized as distal precious metal deposition related to the Globe-Miami District, includes Richmond Basin, the Buckeye, both within the Black Diamond Property and McMillanville, further to the northeast, and outside of the Black Diamond Property, and others. Important fissure vein silver minerals include argentite, cerargyrite and native silver in a gangue of quartz, barite, ankerite and local amethystine quartz. Ore zones can be exceedingly rich, locally yielding grades of 100s to 1,000s opt Ag. Massive argentite and chalcopyrite at the Buckeye may also include associated copper grades up to 20%.

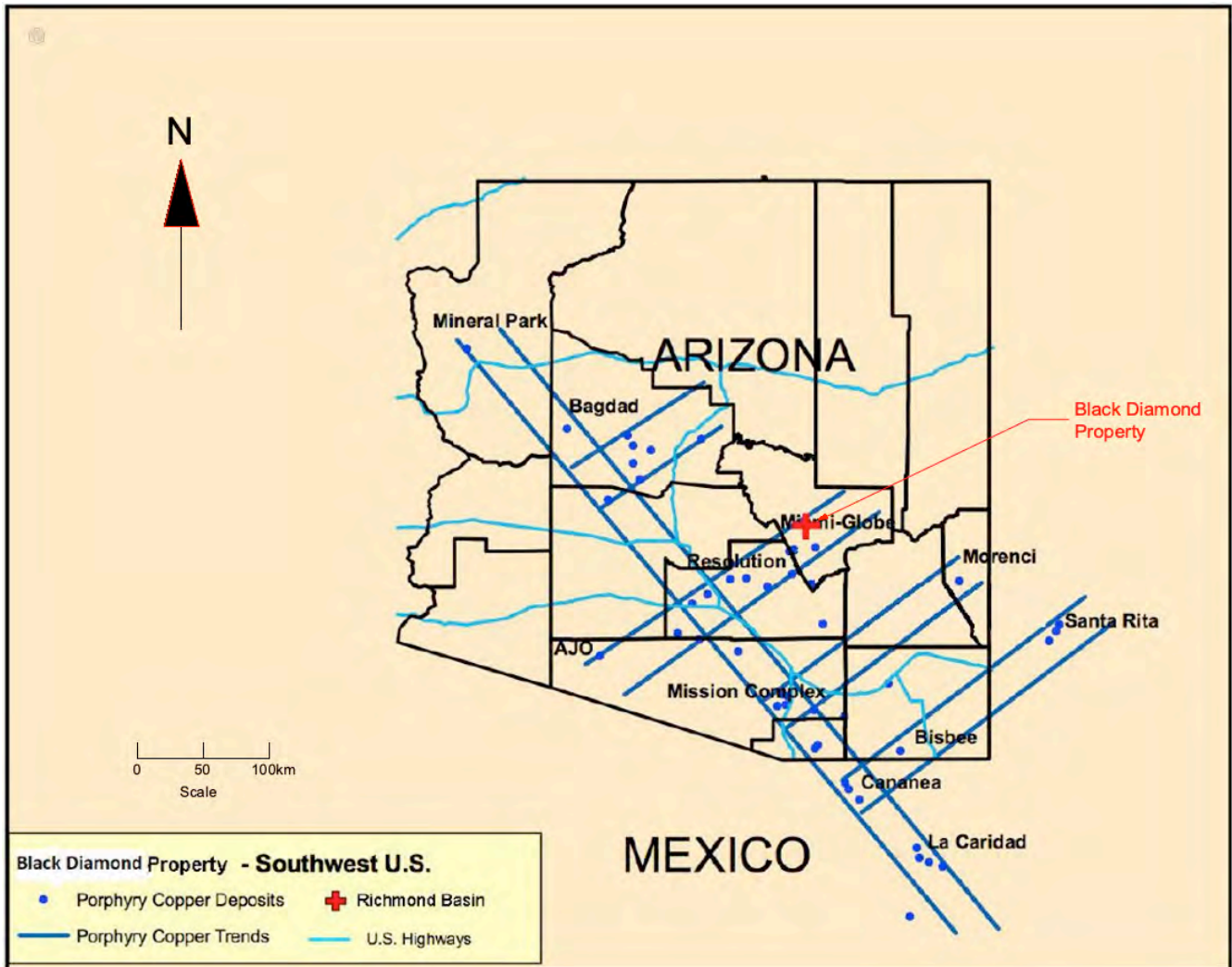


Figure 38: Copper Porphyry Locations Related to Orthogonal Structural Trends: *Note the location of the Black Diamond Property in red.*

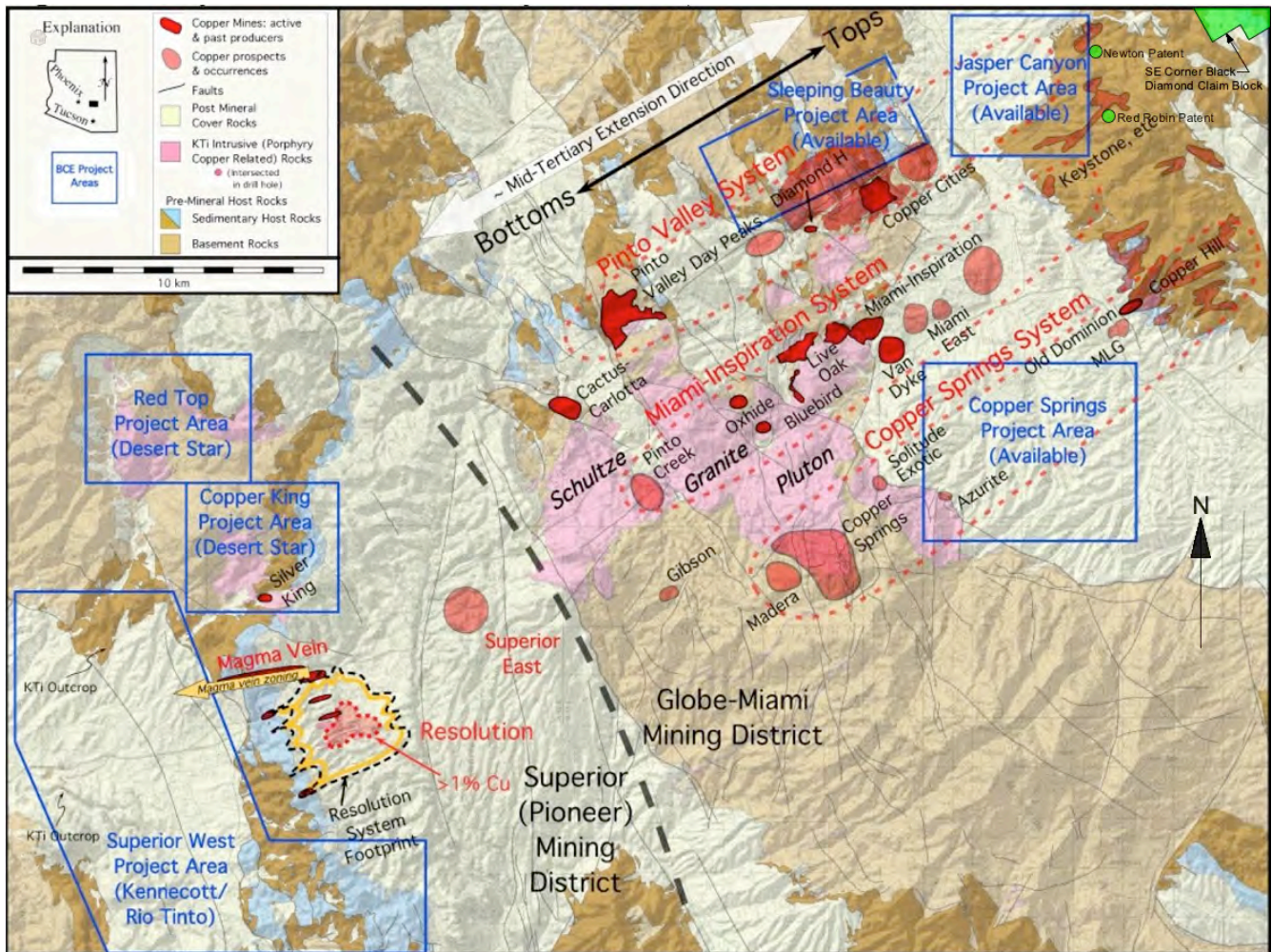


Figure 39: Superior Globe Miami Deposit Trend: Note the location of the Black Diamond Claim block and patents in green in the NE corner of this figure. Source: EMX royalty.com website

8.2 DEPOSIT MODELS

The following discussion, to a large degree, reflects skarn model ideas, and related mineralization, as presented by authors M.T. Einaudi and L.D. Meinert. Both writers have a long history of presenting research on the subject.

Skarn development is related to emplacement of igneous rock intrusions into reactive carbonate rocks, and the resultant replacement of the carbonate by introduction of iron-rich hydrothermal fluids. A wide variety of calcium-silicate minerals are typically associated, which are formed as replacement of the carbonate rocks. Common skarn associated, calc-silicate minerals include garnet, pyroxene, diopside and wollastonite. Mineral introduction is often sequential, with initial, high temperature iron-copper-gold deposition at the intrusive contact, followed typically, by lower temperature, more distal emplacement of lead, zinc and silver. Varying degrees of retrograde alteration can be common, where original calc-silicate minerals are altered to epidote, amphibole and chlorite. Close study of the alteration envelope can be important to understanding the mineralizing system.

Rock textures present evidence whether the mineralizing system was emplaced relatively

shallow or deep. Brittle fracturing, discordant contacts between intrusives and sedimentary rocks, and strong hydrofracturing are indicative of shallow emplacement. The brittle fracturing can favourably increase permeability of the host rocks, but also promote the influx of meteoric waters, resulting in significant destruction of skarn minerals during retrograde alteration. In general, deeper systems will exhibit more ductile deformation, a decrease in fracturing textures, and an overall decrease in permeability of the host rocks.

8.2.1 Christmas Mine – Deposit Characteristics

A brief discussion of the Christmas Mine, located in southern Gila County, outside of the Black Diamond Property, and 5 miles (8 km), north of Winkelman, is presented. Some aspects of the Christmas deposit may be analogous to the Black Copper setting, particularly with respect to physical characteristics of ore deposition along the intrusive/carbonate contact.

Economic mineralization at Christmas, was deposited as replacement ore along the contact of a quartz diorite intrusive, and a thick section of Paleozoic limestone. Typically, abundant magnetite and copper mineralization occurs in a belt within 25 ft (7.5 m) of the contact. Where favourable limestone beds adjacent to the contact were garnetized, and then fractured, ore of mineable grade was found to extend as much as 150 ft (46 m) out from the intrusive. The deposits were tabular in shape, and conformed to the carbonate bedding. In addition, significant ore also developed where limestone was embayed into the diorite, or dike like tongues of diorite projected into the carbonate sequence.

It should be stated that the author has not investigated any of the above adjacent properties and that the information presented above is not indicative of the mineralization on the property that is the subject of this report.

8.3 PROPOSED PROPERTY EVALUATION BASED ON DEPOSIT MODELS

In regard to evaluating the hydrothermal silver potential such as the Buckeye, McMorris and Helena Mines on this property, due to the mobility of silver and other pathfinder elements, further soil geochemistry is recommended. Geological and structural mapping is important in recognizing potential alteration and shearing along structural trends. Finally, localized IP surveys along the known veins down dip and along strike to locate conductive targets. This could be followed with diamond drilling and bulk sampling when warranted.

For the potential skarn/replacement gold copper mineralization due to the high magnetic susceptibility of the associated magnetite further evaluation of the magnetometer data of the area is warranted. Due to copper's solubility in the soil, geochemistry surveys are recommended especially in overburden areas. Geological and structural mapping is also recommended in areas of no overburden. Finally diamond drilling and bulk sampling is recommended for final delineation of target areas.

For the copper porphyry evaluation, if not evident from geochemistry or geologic mapping, then an IP or even a magnetotelluric survey could be considered due to the disseminated nature of the conductive copper minerals. This could be followed by diamond drilling if targets warrant.

9.0 EXPLORATION

SBMI acquired the Black Diamond Property this year (2020). Fire restrictions this year have limited access to the property and have prevented any significant further work from being undertaken. So no work was done by SBMI or any other party since acquisition.

10.0 DRILLING

No drilling has been completed by SBMI at this time.

11. SAMPLE PREPARATION, ANALYSIS AND SECURITY

Note that all the sample analysis undertaken on the property has been undertaken by previous operators. SBMI has at this time not collected any samples. It is the author's opinion that the samples collected in the last ten years by the optionors, Trueclaim Exploration and Northern Sphere have been methodically collected, located properly, appropriately prepared, with adequate security and standardized analytical procedures.

11.1 BLACK COPPER AREA

Due to inaccessible underground workings and sparse outcrop exposures, systematic sampling of the copper-gold bearing magnetite has been limited. Wherever possible, representative chip/channel samples were collected. All showings of magnetite were sampled as either select or representative grab, which did serve to establish continuity of mineralization along the exposed strike length of the system. Figures 16 and 37, display the location and assay values of the majority of sampling with copper values up to 7.4% and silver values up to 66 g/t (1.93 oz/t). A complete sample list, including partial assay results, is located in Appendices C1 and C2. Out of a total of 29 samples, 10 were not analyzed for gold.

All rock chip samples were collected by Trueclaim-contracted geologists. Average sample weight ranged from approximately 1.35 to 2.6 kg (3 to 5.7 lb). Samples were then packed and shipped directly to analytical labs.

Eight samples, (70551-558), were analyzed in April, 2011 for gold, silver and copper by Jacob's Assay Office of Tucson, Az. Jacob's operated continuously from 1880 through 2012, when assay services were discontinued. Assay work for Trueclaim was performed by Michael Jacobs, a registered assayer. To the best of the writer's knowledge, Jacob's did not operate under an ISO 9001 Registration nor an ISO 17025 Accreditation. Gold and silver procedure utilized a 1 ton fire assay. Copper was tested using wet chemical method. Based on verbal confirmation, Jacob's sample preparation conformed to industry standards. Sample 18004 was collected from the same general location as samples 70552 and 70553, and shipped to Accurassay which yielded gold, silver and copper values close to those reported by Jacob's and does validate Jacob's work. Accurassay, located in Thunder Bay, Ontario, analyzed sample #18004 for gold, silver, platinum, palladium, copper, lead and zinc. This laboratory does operate under an ISO 9001; 2008 Registration and an ISO 17025:2005 Accreditation. Preparation included crushing 70% to -8 mesh with a 500 g (1.1 lb) split pulverized 90% to -150 mesh. Silver was tested by a 0.25 g (7.78 oz) Aqua Regia digest, followed by AAS or ICP. Platinum, palladium and gold were analyzed by 30 g (933.105 oz) FA/ICP. Copper, lead,

and zinc utilized a 0.25 g (7.78 oz) Aqua Regia digest with an ICP-OES finish.

The 20 remaining samples, (70579-583, and 70607-70621), were prepped by ALS Minerals of Reno, NV and analyzed by ALS Canada Ltd of North Vancouver, B.C. in September and December, 2011. All samples were analyzed by the 35 element, Aqua Regia ICP-AES. Ten samples were not tested for gold; five gold assays were run using 50gr FA-AA finish; and five by 30g FA-AA finish.

11.2 McMORRIS MINE SAMPLING, 2011

The McMorris Mine area sampling program of 2011 was undertaken and supervised by a qualified P.Geo. The sampling sites were mapped, described, sited and then sent for analytical work. A total of 180 samples were collected in this program.

11.3 RICHMOND BASIN SAMPLING, 2012

The Richmond Basin sampling program of 2012 was undertaken and supervised by a qualified P.Geo. The sampling sites were mapped, described, sited, and then sent for analytical work. The 101 samples were less than 5 lb (2 kg) each. The analysis included 30 element Aqua Regia with ICP finish and metallic screen Fire assay for sampling running over initial detection limits. The analytical work was conducted by IAC of Sparks, NV. The work included the labs quality control analysis for the sample set.

11.4 BUCKEYE PATENT DRILL PROGRAM AND GEOCHEMICAL SOIL SAMPLING, 2017

For the 2017 sampling programs conducted by Northern Sphere Mining, its quality control and assurance program included the use of an independent certified Lab, ALS Laboratories (ALS) of Tucson, AZ. All ALS geochemical hub laboratories are accredited to ISO/IEC 17025:2005 for specific analytical procedures. The ALS quality program includes quality control steps through the sample preparation and analysis, inter-laboratory test programs, and regular internal audits. It is an integral part of the day-to-day activities, involves all levels of ALS staff and is monitored a top management levels. The soil samples underwent a 35 element Aqua Regia ICP-AES analysis.

12. DATA VERIFICATION

To assure the most accurate data for this report the QPs undertook the following:

- 1) All historical information was obtained from the original reports which involved visiting the Arizona Geological Survey in Phoenix, meeting with the state geologist, copying the original documents and making digital files of these. In addition, some information was obtained from the private library of the claim holders.
- 2) Data regarding land tenure on the claims was retrieved within days before the date of this report from the on-line digital records of the US Bureau of Land Management (BLM).
- 3) Data regarding land tenure on the patents were retrieved from the assessment office of Gila County Arizona.

- 4) Recent data by earlier optionors collected from the property in the last ten years was supervised by professional geologists.
- 5) A current site visit, in March 12-13, 2019, was undertaken by the co-author that verified the description, mineralization and location of the major mineralized sites on the property.
- 6) Data is adequate for the purposes used in the technical report.

12.1 BLACK COPPER

The author is assured, that sampling was adequate to establish the anomalous metal content of both the contact related magnetite hosted mineralization, and the more distal base metal showings. Analytical results from the three laboratories used are comparable, and no discrepancies in reported values are indicated including those reported by Jacob's. This does serve to validate Jacob's work.

13. MINERAL PROCESSING AND METALLURGICAL TESTING

The issuer has not done any mineral processing or metallurgical testing.

14. MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES

There are no compliant mineral resource estimates for any mineralization on the property.

A 1987 report by A. A Ona, a geologist, described several mineralization types and styles and associated potential mineralization target estimates. These estimates are not compliant with the standards of *NI 43-101*. The company is not treating these target estimates as a current or qualified mineral resource. Further analysis and evaluation of these mineralization targets form part of the resource exploration program outlined in this technical report.

Items 15-22

Not applicable.

23. ADJACENT PROPERTIES

It should be stated that the author has not investigated any of the adjacent properties listed below and that the information presented below may not be indicative of the mineralization on the property that is the subject of this report.

23.1 SILVER ONE RESOURCES – PHOENIX PROJECT

Silver One Resources Inc.'s [SVE:TSXV] Phoenix property lies adjacent to the Black Diamond property on its southwest boundary. The Silver One Resources property includes 86 BLM load claims totalling 1,776.76 acres (719.59 ha) and two unpatented placer claims. This project is optioned by Silver One Resources since February 4, 2020 with the rights to acquire 100% of the project over 48 months making cash and share payments.

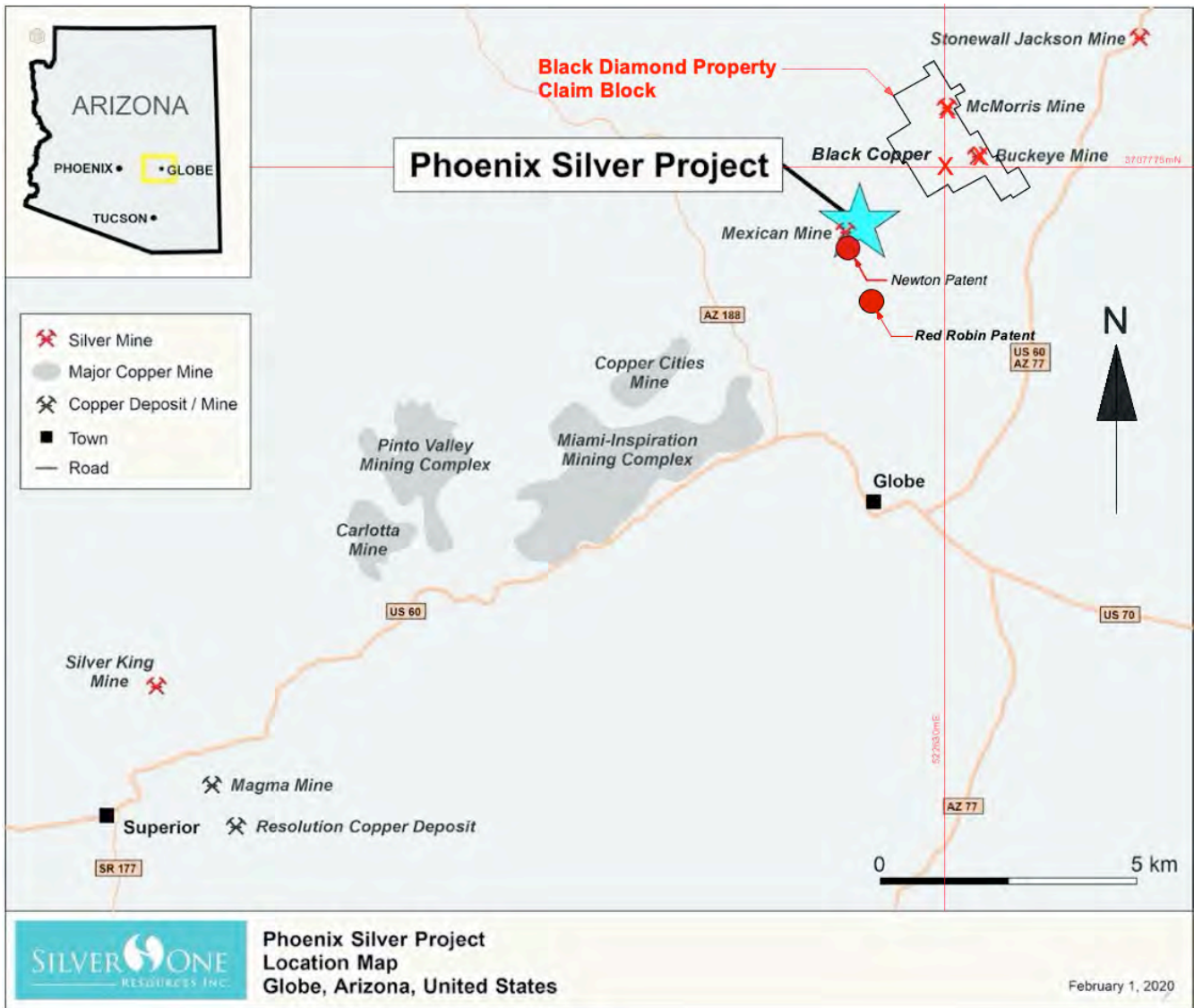


Figure 40: Location of the Silver One Phoenix Project. Source: Silver One Resources Inc.

Silver One’s optioned property contains the site of the Mexican Mine, a former small scale silver producer in the Globe Hills district of the camp.

Silver One’s initial surface work on the property uncovered significant mineralized fragments likely derived from veins identified on the property. These included a 417 lb (189 kg) fragment that was determined by Specific gravity measurements to indicate that this fragment could contain up to 70% silver. One of the smaller vein fragments discovered in the same area was assayed (concentrate assay) and returned just under 50% silver - 459,000 g/t or 14,688 oz/t silver. The location of this project in relation to the mines on Black Diamond Property and within the Globe copper camp is shown above on Figure 41.

The information presented above is based on publicly available records of Silver One including press releases and their website,

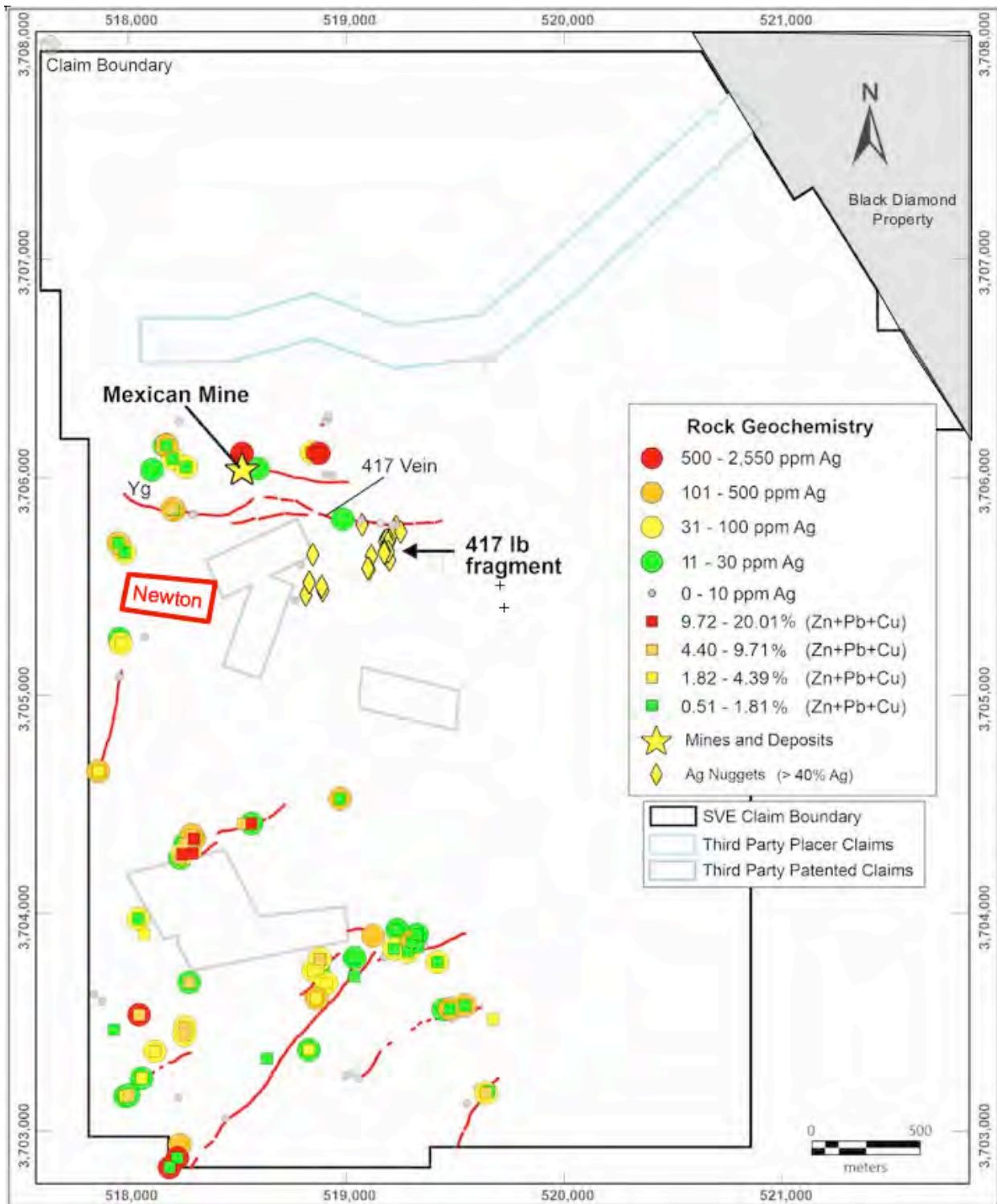


Figure 41: Location of the Newton Patent Within the Silver One Phoenix Project
 Source: Silver One Resources Inc.

SBMI's leased Newton patent is completely enclosed by Silver One's Property as shown in Figures 41 and 42.

23.2 OTHER NEARBY PROPERTIES

The following information presented is based on a review of the active claim listings at the BLM website and Gila County website or the area of the Black Diamond Property.

Also adjacent to SBMIs' Black Diamond project is a land position controlled by Fossil Land and Livestock Limited Co., along with various claims held by BHP Copper Inc.

To the west, but not adjacent, is a large block of claims held by private company Bronco Creek Exploration Inc. This property is believed to be optioned to another major international mining company.

23.3 OTHER MORE DISTANT PROPERTIES

23.3.1 Old Dominion Mine

Another nearby minesite with a different style of mineralization is the Old Dominion Mine located about 9 kilometres away from the main block of the Black Diamond Claims in the Richmond Basin at a south-southwest bearing of 196°. This mine was discovered in 1874 and mined until 1931. See Figure 13. Data below was collected from the USGS (Mineral Resource Data System) MRDS website as well as reports on line from the Arizona Geological Survey.

The ore body is 3,353 m long and 30.48 m wide and 18.29 m thick, striking at N58E. The orebody emplacement is controlled by N-S to NE fractures. The irregular shaped steeply dipping ore is found in the sedimentary rocks of: the Troy Quartzite, the Naco Limestone, the Martin Limestone, the Escabrosa Limestone, the Mescal Limestone, the Dripping Springs Quartzite, diabase and the Madera Diorite formation. The ore is believed to be emplaced sometime during the Paleogene Period. Mineralization is believed to be of a replacement type in limestone possibly due to the nearby intrusion of the Madera Diorite and Schultze Granite². It is mentioned here because it has the same host rock types as at Black Copper. Note however that no Schultze granite has yet been observed in the Richmond Basin.

It should be noted that the author has been unable to verify the above information and that the information is not necessarily indicative of the mineralization on the property that is the subject of the technical report.

23.3.2 Copper Fox Van Dyke Project

The information presented below is based on publicly available records of Copper Fox including press releases and their website.

Desert Fox Van Dyke Co., a wholly owned subsidiary of Copper Fox Metals Inc. [CUU:TSXV], owns a 100% working interest in the Van Dyke project located in the Globe-Miami Mining District in Arizona. Van Dyke is an advanced stage, In Situ Copper Recovery (ISCR) project consisting of 1,312.8 acres (531.5 ha) of mineral rights and 14.02 acres (5.75 ha) of surface rights. A preliminary Economic Assessment is currently being prepared on the property. This

² USGS MRDS ID M241482, Host and associated rocks

project lies approximately 13 miles (20.9 km) southwest of the Black Diamond Claim block.

The Van Dyke copper deposit is located within the Miami-Inspiration trend of porphyry deposits that includes five principle orebodies; from west to east they are Live Oak, Thornton, Miami Caved, Copper Cities, and Miami East. Underground mining operations at Van Dyke are reported to have produced 11.8 million pounds (25,991.2 kg) of copper between 1929 and 1945 with a reported grade of 5.0% copper.

The Project is located in the Globe-Miami copper camp (approximately 5 miles (8 km) west of Globe. In this area there are large land positions and operations held by major copper companies such as Freeport McMorran's Miami operations. BHP controls a large land position associated with the former producer, the Old Dominion Mine, and other operations. KGMH, a Polish copper major owns the Pinto Valley Mine. The Carlotta Mine is held by Canadian firm Capstone Mining. Furthest west is the Resolution Copper project held by Rio Tinto and BHP that is a redevelopment of the Magma Mine near Superior, AZ.

It should be noted that the author has been unable to verify the above information and that the information is not necessarily indicative of the mineralization on the property that is the subject of the technical report.

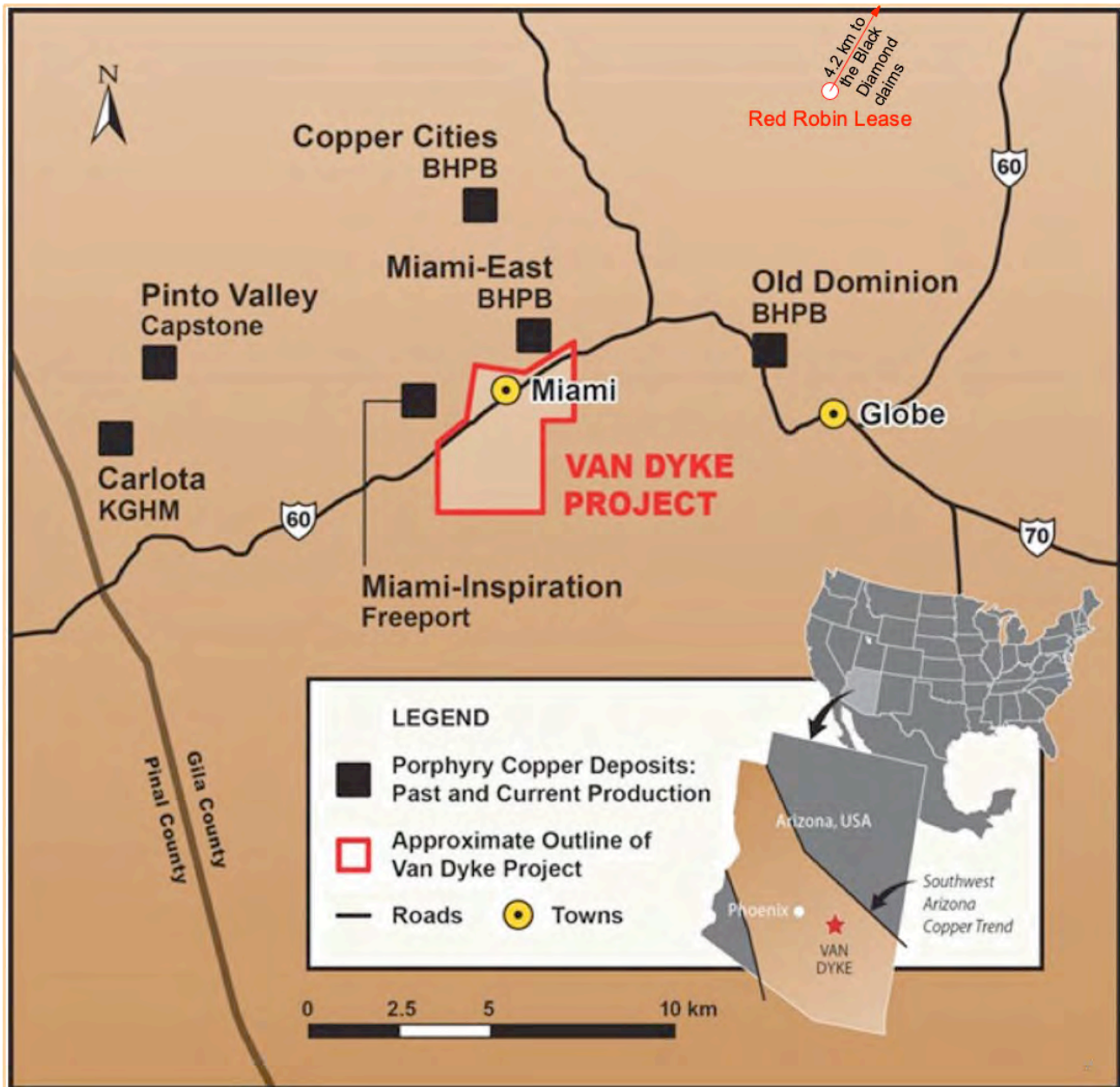


Figure 42: Copper Fox Van Dyke Project: Showing other mines in the area. Note that the Red Robin Lease is on this map but the Black Diamond Claim Block is located 4.2 km northeast off of this map.

Source: Copper Fox Metals

24. OTHER RELEVANT DATA AND INFORMATION

None

25. INTERPRETATION AND CONCLUSIONS

The historic mines of the Richmond Basin are considered part of the “Arizona Silver Belt” that stretches from the Silver King Mine (outside of the Black Diamond Property) near Superior, AZ in the west, through the Silver Queen Mine at Pinal Creek (outside of the Black Diamond Property) and onto the McMorris Mine in the Richmond Basin. These mines lie adjacent to the

copper mine trend hosting several major and minor copper porphyry deposits and long life mines. These mineralization systems are likely related with the silver-copper veins seeking structural breaks for their emplacement.

The Black Diamond Property near Globe, AZ, at the eastern end of this belt, is host to known silver and copper mineralization that was first discovered in the 1870s but saw limited exploration or exploitation since that time. Early exploration was simply finding the native silver in the Nugget Wash and then looking for the source veins adjacent. Exploitation of the veins was limited to mineralization that was high enough grade to pay for the long transport to the mills and refineries on the west coast with silver at only ~US\$1/oz (31.10/g), and by technology of the time. Research indicates that the grade of the mineralization mined at that time was in the order of at least 250 oz/ton (8,571.4 g/t) to make it pay. It is these grades that brought the prospectors to this region and named it the Richmond Basin, or as originally known, the Rich-man Basin. The high grade nature of the vein mineralization is confirmed by the recently discovered native silver containing boulders on the adjacent Silver One Phoenix Property grading up to 45.6% silver. These finds suggest that the Basin still contains near/at surface native silver boulders, even after 150 years since the discovery of the area.

Based on more recent inspections of the silver mineralization remaining in the McMorris Mine, this past production is believed to be limited in strike length, several hundred feet, and depth, up to 750 feet, (229 m). The remaining mineralization still carried significant silver grades as indicated by recent surface sampling of the remaining vein adjacent to the shaft recording silver grades to over 30 oz/ton³ (456,000g/t). These results and the significant length of the known mineralized structures, over 7,000 feet (2,133.6 m), provide the basic targets for silver resource exploration and development on the Black Diamond project. The Richmond Basin and the area around the McMorris, La Plata and other mines all included in the Black Diamond Property provides the best target for silver resource discovery based on the information gathered to date from the property.

³ *MacMillan, Theresa; Moss, Lindsay; Barr, Nick, 2011*

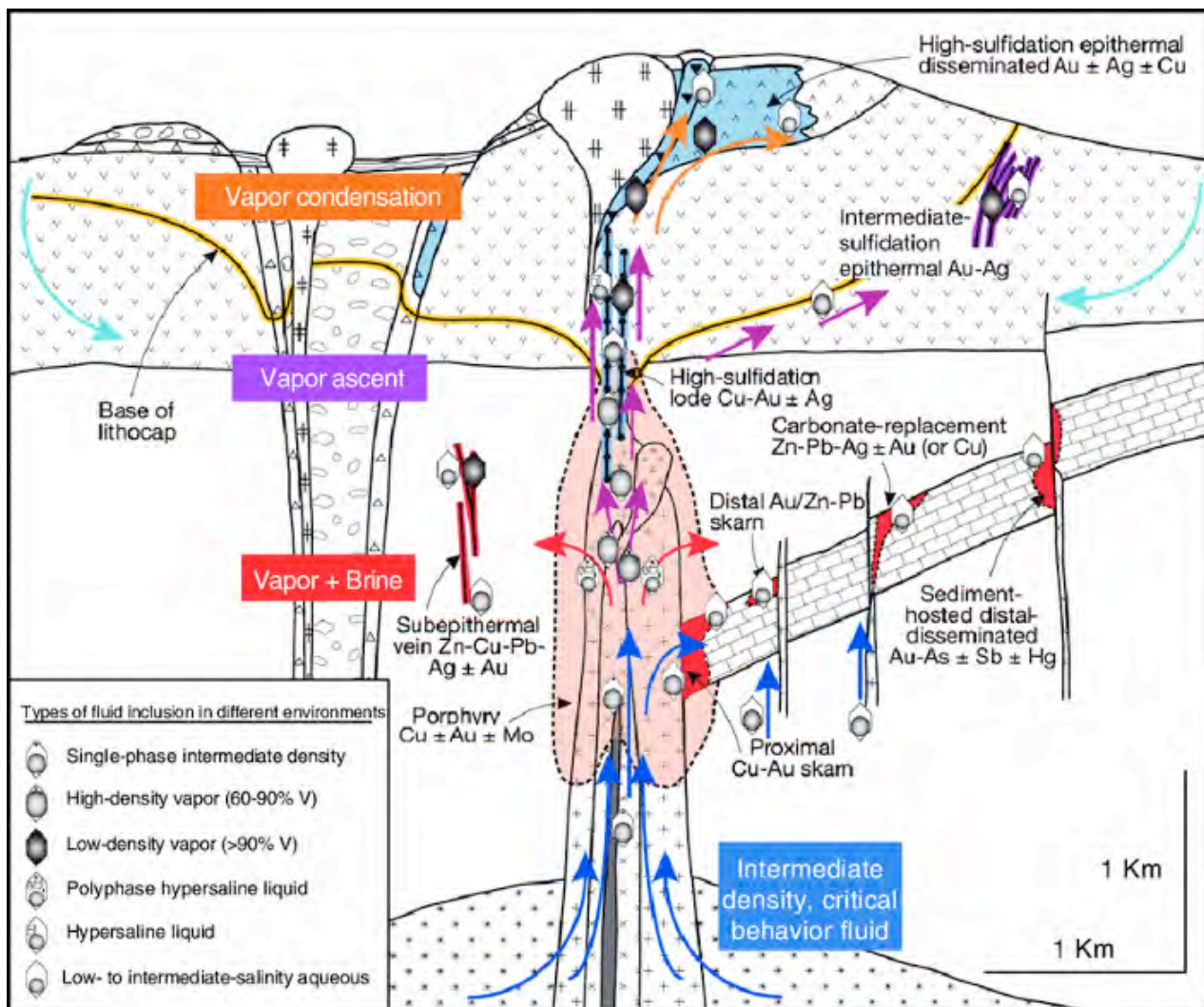


Figure 43: Peripheral Mineralization of a Copper Porphyry System Source: Sillitoe R. H, 2010

The Buckeye Mine, also within the Black Diamond Property, is situated along a SW-NE structure that hosts high grade silver-copper mineralization. It too only saw limited production in the range of 150,000 ounces (4,666 kg) of silver based on historical records. Grades needed to be high again as the mineralization was sent to San Francisco in 1899 for processing. *Samples reported from historic work in 1976 graded as high as 8970 oz/ton(307,542.7 g/t) silver and 30.7% copper.*

The reader should be made aware that the QP does not consider the account above, *in italics*, typical of expected grades. The reader should be made aware that account above, *in italics*, the production figures and grades are anecdotal and not necessarily to be relied upon.

Maps of the Buckeye mine workings show limited development and the test mining in 2017/18 confirmed this. Sampling and mapping of the vein structure shows that it extends for several 100s of feet and off the patent claim to the SW within the unpatented claims of the Black Diamond Property. Mapping and sampling work also indicates that the higher grade mineralization potentially occurs in steep dipping shoots associated with structural contacts that created favourable conduits for emplacement.

The Buckeye mine structure provides another target for silver-copper resource development and the patent land status allows for it to be investigated first. The 2017/18 test mining and production of silver dore bars confirms the structure hosts recoverable mineralization using standard mining and recovery techniques. The Company's plan to re-enter the mine to continue the test mining and bulk sampling program provides the means to define the resource potential along this structure in the most economic way by drilling from the underground access and following the mineralization. A pinch and swell structure along the vein may result in erratic grades. The Company also has available unique documentation on the conductivity and chargeability of silver epithermal vein systems as a function of depth. It is considering the use this information, along with surface and underground 3D IP survey data, to help target drilling.

Just to the west of the Buckeye Mine lies the Black Copper prospect also located within the Black Diamond Property that also appears to occupy a parallel near vertical NNE striking structural trend similar to the Buckeye and the Old Dominion Mine, not located on the Black Diamond Claims. The prospect and mineralization appear to be potentially emplaced as a skarn or perhaps a replacement style of mineralization. Copper grades from the more recent sampling were as high as 7.45%⁴ with associated appreciable gold values of 2.057 g/t (0.06 oz/t)⁵. A drill program was previously recommended for this prospect to test the continuity of the mineralization observed in several surface exposures at depth. A section of the Black Diamond Property covered by the soil geochemical survey, namely the Black Copper Grid, was in the area of the Black Copper Prospect and highlighted a copper anomaly in the area with 56% of the samples registering greater than 80 ppm (0.01 oz/t). This area provides another target for the ongoing exploration program to be conducted on Black Diamond Property. The expansion of the soil geochemical grids as part of this plan will help to better evaluate the high grade copper mineralization and the associated gold values.

The geochemical soil sampling grids that only cover approximately 10% of the land package so far already provide significant metal in soil anomalies in the three grids completed at this time. This highlights the potential for discovery on the property for both copper and silver deposits. The Richmond Basin grid results, located on the Black Diamond Property, reflected not only the mineralization associated with the known silver-copper veins, but more interestingly may also indicate the potential for a near surface resource. The survey returned samples grading to a high of 344 g/t (10.03 oz/ton) silver, as well as 250 g/t (7.29 oz/ton and 99 g/t (2.89 oz/t). These results may corroborate the potential for a modest grade near surface resources as suggested in the Ona report of 1987 called the Flat Mesa target, also located on the Black Diamond Property. Expansion of the sampling grid and additional surface mapping are warranted in this are due the potential of the targets outlined in the report and the known mineralization associated with the historical mines.

The Buckeye South geochemical grid on the Black Diamond Property, also indicated anomalous values for silver, copper and zinc. These anomalous locations were not within the area covered thus far. Of the zinc values obtained, 64% of the zinc values registered greater than 100 ppm (0.01%) with highs of 7,760 ppm (0.78%), 4,820 ppm (0.48%) and 4,770 ppm (0.48%). Copper-zinc mineralization is often associated with skarn and replacement deposits. This area is also coincident with a potential structural feature indicated by the Spectral

⁴ Source: Black Diamond Exploration Inc. Trueclaim Oct. 4, 2011 press release Sample 70555

⁵ Source: Black Diamond Exploration Inc. Trueclaim Oct. 4, 2011 press release Sample 70555

surveys. Expansion of the grids and associated mapping to ground truth the anomalies to ascertain the source and style of the mineralization in these areas is warranted.

Of possible concern may be the contamination from previous mining giving false geochemical anomalies. As most of the operations were of a small scale this is not expected to be an issue but should nonetheless always be considered.

SBMI's Richmond Basin claim group, the Black Diamond Project, is the site of historic mines with high grade silver production dating back to the 1870s. The area saw only limited production and exploration on the large land package, since the majority of exploration activity in the last 10 years focused on a few key prospects. The assembly of such a large land position in this area is unique. The exploration results to date indicate that the site is prospective for several styles of mineralization that are not fully defined: high-grade silver-copper veins; copper-gold skarn; and potentially copper porphyry as the property lies in the Globe-Miami copper camp. Each of these styles of mineralization could yield a significant discovery on the property. Exploration and development programs are outlined to further identify and define their potential through systematic evaluation of the known areas and expanding the understanding of the remaining large land package.

While the outline of the Black Diamond claims has been supplied by the vendor, it is recognized that not all of the area has been surveyed by a certified surveyor and it is possible errors may exist on the peripheral portions not surveyed.

The following statement may have some economic significance in the area of the Richmond Basin.

"Epithermal deposits are generally formed in an extensional volcanic arc environment. In some cases, these deposits may overlie sizable porphyry copper deposits. Typically, they have a metal assemblage consisting of gold, silver, copper and arsenic."⁶

As there are no significant volcanic rocks on the Black Diamond Property, the possibility of an underlying sizable porphyry copper deposit is a serious consideration.

⁶ *Sillitoe and Hedenquist, 2003 p. 315–343*

26. RECOMMENDATIONS

The recommendations for exploration work on the Black Diamond property are focused on increasing the knowledge base related to the geology and controls on metallic mineralization, and in particular the identification of potentially economic silver and copper deposits.

26.1 PHASE 1 Exploration

The Phase 1 work program is outlined below with estimated work expenditures in Year 1 of C\$1.525 million and in Year 2 of C\$1.89 million included an ~10% contingency in each year.

26.1.1 Buckeye Patent Exploration

Budget: Year 1: \$300,000, Year 2: \$250,000,

Milestones: Surface sampling, geology and structural mapping, underground mapping, drilling and sampling.

Outcomes: Identified high-grade ore shoot[s] for bulk sampling development

Exploration will start on the Buckeye patent lands due to accessibility and the need for information related to the start of bulk sampling of the high-grade silver-copper vein system. The site will be mapped and sampled to confirm the location of the structural controls on the mineralization along the vein structure. This will include surface and underground mapping and sampling. The Buckeye vein structure will also be mapped and sampled along its extension to the east and west to identify additional structural targets to host high-grade mineralization. In year two this will be followed by additional underground drilling to direct the development and bulk sampling program.

26.1.2 Buckeye Mine Site Development

Budget: Year 1: C\$800,000, Year 2: C\$450,000

Milestones: Development to mineralization, permitted mining operations, drill stations and drilling,

Outcomes: Mineralization identified for bulk sampling, bulk sampling and continuing development

The Buckeye Mine site on the patent is very well advanced from the 2017/18 test mining program conducted by a previous optionor. The first 120 days are very active on the site once funding is closed. The site is prepared with the installation of services and infrastructure for management and operation of the mine site. Permitting for access and water well drilling will be started as soon as possible. The acquisition of the mining equipment will be done initially. The surface site preparation work will include the installation of the liner into the evaporation pond and any the preparation of additional lay down areas or repairs. The mine access portal will be secured and the decline expanded to accommodate larger production equipment then the installation of mine access services such as water, ventilation, power and piping. The West access portal will also be rehabilitated to provide additional accessibility and safety of operations. Bulk sampling could start 120 days after the site is accessed and will continue for the next 12 months as mineralization is defined by successive drill, blast and drift programs. It is anticipated that the bulk sampling material could be processed at a local smelting operation to provide additional information from this program into the grade and recovery characteristics of the mineralization present on the property as input to future resource and economic evaluations.

26.1.3 Black Diamond Property

Budget: Year 1: C\$275,000; Year 2: C\$1 Million

Milestones: McMorris Sector, Black Copper Sector, East Structural Trend Sector, Buckeye Extension.

Mag surveys

Outcomes: Identified copper-silver anomalies, structures, resource targets silver, copper porphyry targets, Phase 1 resource drilling.

Only approximately 10% of the current property is covered by the ground geochemistry sampling program. This program will be continued to expand the coverage to identify additional areas of anomalous mineralization for follow up mapping and interpretation. Already the three completed blocks identified areas with significant copper, silver, zinc and manganese mineralization in the near surface materials. This continuing survey is directed at both the high-grade silver-copper veins and the potential for copper- gold mineralization in both a skarn setting – such as the Black Copper target, or for the copper porphyry potential of the region. Many of these targets could still be covered by erosion materials.

In addition to the property wide geochemical survey the Company already completed, a regional geological and alteration study using AI methods through the services of Goldspot. This survey identified areas of interest associated with coincident geology, structural and alteration signatures derived from available data sets on the region and property. The sampling and mapping program will use these anomalous areas for targeting.

The ground mapping program will also look at the McMorris Mine area and follow up on more recent sampling programs to again identify controls on the mineralization along the known structures at the mine and adit sites. The McMorris vein structure extends for several 1000s of feet with additional shafts at known mineralization sites. These will be mapped and sampled to determine the best locations for a Phase 1 exploration drilling program. This is directed at identifying the best part of this system to site the next phase of bulk sampling of the high-grade silver-copper veins on the property.

When results of the property wide geochemical survey are available, along with mapping and alteration studies, the exploration program can look to advance the porphyry copper target investigation. The Company owns magnetics survey equipment that can be used for investigations over the most promising targets. A survey is complete in the area of the Black Copper vein. This survey needs interpretation for targeting additional work and potential drilling of this copper-gold skarn target that shows many characteristics similar to the first major mine of the camp – the Old Dominion that is located off the property near the city of Globe.

26.2 PHASE 2 Exploration

Upon completion of the Phase 1 work programs and reports the management will evaluate the results. A positive evaluation of these results will then be used to direct the continuation of the exploration programs on the property into the Phase 2 work programs. The Phase 2 work programs are estimated at C\$2.04 million and include the follow in recommendations:

26.2.1 Black Diamond Property

Budget: Phase 2: C\$970,000

Milestones: Continuing evaluation of McMorris Sector, Black Copper Sector, East Structural Trend Sector, Buckeye Extension. Mag surveys

Outcomes: Identified copper-silver anomalies, structures, resource targets for silver, copper porphyry targets, Phase 2 resource drilling.

The Black Diamond property is large with several known areas of mineralization that require staged exploration programs of work and evaluation. The Phase 1 work started at the Buckeye patent and in the area of the McMorris historic mine with limited work at other mineralized zones and prospects. The Phase 2 work will continue in the area of the McMorris and at these other prospects in order to assess them for resource development potential. The results of the expanding property wide geochemical survey could also define new areas for further investigation at this time of the high-grade silver-copper veins and the copper-gold skarn targets. The potential for copper porphyry will also continue to be evaluated at this time with additional geophysical surveys combined with alteration and geochemical survey information to direct additional targeting for discovery. Phase 2 continuation of grid or section drilling on specific resource definition targets in order to locate zones for continuing the bulk sampling program on areas other than the Buckeye patent.

26.2.2 Globe Area Patents

Budget: Phase 2: C\$865,000

Milestones: Mill site selection and acquisition, mineralization evaluation, infrastructure installation,

Outcomes: Site preparation, mill operations,

Our regional land package also includes two other patent lands to the south of the main Black Diamond property. These patents cover a total of 32.4 acres of accessible land and several old mines: Red Robin and Newton. Old ore dumps, adits and vein traces are visible on these lots from satellite photos. These patents are owned by a third part and are included in the lease agreement for the Buckeye patent. Limited evaluation of these properties is allowed under this agreement and this exploration and evaluation work will be undertaken in Phase 2 of this work program. They provide additional early stage exploration targets for mapping, sampling and mag surveys to determine the potential of these vein systems that are again within the structural setting of the Old Dominion mine that is located off the property near the town of Globe. The Newton patent is located within Silver One's Phoenix property where their sampling indicates anomalous rock geochemistry and/or veins near or extending onto this patent. The Red Robin patent is located to the south of the Silver One property.

The company will look to acquire an additional patent land property in the Globe area to provide a site for directing the ongoing exploration and development programs at the Black Diamond project. An initial survey and sampling of the properties will be completed to identify the best site for the mill and services. Then the selected site will be prepared for the mill equipment and related infrastructure following any required additional permitting, including the that for the water well.

Silver Bullet Mines Exploration And Development Program				
	Estimates			
Buckeye Patent	Phase 1			Phase 2
Exploration	Year 1	Year 2		
Surface Map/Sample	25,000			
Underground Map/Sample	10,000			
Results/Analysis/Report	10,000			
Underground Drill/Sample	255,000	250,000		
	Subtotal	300,000	250,000	0
Buckeye Mine Site	Phase 1			Phase 2
Development / Bulk Sampling	Year 1	Year 2		
Mine Site Infrastructure	40,000			
HDPE Liner in Evaporation Pond	15,000			
Reinforce Portal	25,000			
Enlarge Decline	100,000			
Drift Development	500,000	200,000		
Rehab West Portal	50,000			
Drill Station	20,000	50,000		
Bulk Sampling	50,000	200,000		
	Subtotal	800,000	450,000	0
Black Diamond Property	Phase 1			Phase 2
	Year 1	Year 2		
Permitting	25,000	20,000	20,000	
Geochemistry grids / sampling	60,000	75,000	50,000	
Hyperspectral Ground truthing	30,000	25,000	25,000	
Results/Analysis/Report	110,000	100,000	100,000	
McMorris Area Map/sampling	50,000	15,000	10,000	
Black Copper Area Map/sampling		30,000	10,000	
East Structural Trend Map/Sampling		30,000	10,000	
South Structural Trend Map/Sampling		30,000	10,000	
Magnetometer Surveys		25,000	25,000	
Results/Analysis/Report		75,000	75,000	
McMorris Mines Underground Map/Sampling		100,000	100,000	
McMorris\ Drilling		150,000	200,000	
Results/Analysis/Report		50,000	75,000	
Copper Porphyry Target Selection		50,000	60,000	
IP Surveys/Reports/Review		125,000	100,000	
Copper Skarn Target Drilling		100,000	100,000	
	Subtotal	275,000	1,000,000	970,000
Globe Area Patents	Phase 1			Phase 2
	Year 1	Year 2		
Site surveys/ Sampling/Reports/Analysis				150,000
Mill site selection and acquisition				75,000
Mill Equipment				440,000
Water Well permitting and drilling				25,000
Mill Site preparation				75,000
Mill Equipment Installation and Testing				100,000
	Subtotal	0	0	865,000
	Phase 1			Phase 2
	Year 1	Year 2		
Contingency	150,000	190,000	205,000	
Total	1,525,000	1,890,000	2,040,000	

CERTIFICATE OF AUTHOR – ROBERT G. KOMARECHKA

I, Robert G. Komarechka P.Geo, (PGO No.1150), P.Geol. (APEGA No. M39059), of 545 Granite Street, Sudbury, Ontario, do hereby certify with respect to ‘The Technical Report NI 43-101 on the Black Diamond Property in Gila County, Arizona, United States of America’, (the “Technical Report”) with an effective date of November 12, 2020, and a signature date of November 12, 2020, prepared for Pinehurst Capital I Inc, that:

1. I am an independent consulting professional geoscientist operating under the name of Bedrock Research Corp. with an office located at 545 Granite Street, Sudbury, Ontario, Canada, P3C 2P4.
2. I graduated from Laurentian University in Sudbury with a B.Sc. (1978) with a major in Geology and have practised my profession for 41 years since graduation with government, academia, and the private sector with both major and junior companies. During this time I have been involved in oil and gas exploration, wellsite geology, mineral exploration, mineral property acquisitions and evaluations, drill program management, field crew supervision and mine management. Commodities have included gold, silver, platinum group metals, base metals, uranium, diamonds, lithium, graphite, industrial minerals, dimension stone, aggregate and high purity silica. This work has been conducted in most provinces of Canada, United States (Montana, Arizona, Nevada, Idaho, Kentucky and Maine), Mexico, Peru and Spain.
3. I am a registered practicing professional member in good standing with the Association of Professional Engineers and Geoscientists of Alberta (APEGA) since 1985 with P.Geol. membership number M39059.
4. I am a registered practicing professional member in good standing with the Geoscientists of Ontario (PGO) since 2004 with P.Geo. membership number 1150.
5. I am a registered Fellow in good standing of the Canadian Gemmological Association since graduation as a Gemmologist in 1990.
6. I personally examined and studied the literature of government and corporate reports on the property of Silver Bullet Mines Inc. I am familiar with the project area and have visited the property several times, these being: in 2010, April 29-May 1; in 2011, March 31-April 1 and on April 6-9 and December 13-15.
7. I have knowledge of the geology and mineralization in this general area having undertaken geological studies on the property, undertaking preliminary mapping of the rocks and mineralization of the area as well as participating in an archeological study of the area.
8. Aside from site visits on the Black Diamond Property, as project geologist for Trueclaim Explorations Inc., a former optionor of this property, I have had no prior or subsequent involvement with the property that is the subject of the Technical Report.
9. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

10. I am independent of the issuer, property and vendor applying all of the tests in section 1.5 of National Instrument 43-101. I do not own, directly or indirectly, nor am I under an agreement, arrangement or understanding or expect to acquire any securities of the issuer, Pinehurst Capital I Inc. or the vendor, Silver Bullet Mines Inc. or any affiliated entity of these companies. I hold no interest, directly or indirectly, in the mineral properties that are the subject of the forgoing report or in any adjacent mineral properties nor do I expect to receive any direct or indirect interest in the Property.
11. I have read the definition of “qualified person” set out in National Instrument 43-101/Regulation 43-101 (“NI 43-101”) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a qualified person for the purposes of NI 43-101 on this Technical Report.
12. I am responsible for the preparation and all items contained in the Technical Report except for Item 2.4.
13. I have read NI 43-101 and Form 43-101F1, and the Technical Report has been prepared in accordance with that instrument and form.

Signed this 8 day of January, 2021 in Sudbury, Ontario, Canada

Robert G. Komarechka, P.Geo., (PGO No. 1150)

Effective Date: November 12, 2020

Signed Date: January 8, 2021



Stephen Hughes

T: 647-517-4574

Shughes.indonesia@gmail.com

CERTIFICATE OF CO-AUTHOR – STEPHEN G. HUGHES

I, Stephen G. Hughes P.Geol (PGEO No.188), PGO (PGO No. 3343), of 130 Howell Road, Oakville, Ontario, do hereby certify with respect to “The Technical Report NI 43-101 on the Black Diamond Property in Gila County, Arizona, United States of America”, (the “Technical Report”) with an effective date of January 8, 2021, and a signature date of January 8, 2021, prepared for Pinehurst Capital I Inc, that:

1. I am an independent consulting professional geoscientist operating under the name of AuCu Resources with an office located at 130 Howell Road, Oakville, Ontario, L6H 5Z3.
2. This certificate applies to the technical report titled “The Technical Report NI 43-101 on the Black Diamond Property in Gila County, Arizona, United States of America”.
3. I graduated with an Honors Degree in Geology from Saint Mary’s University, Halifax, Nova Scotia, Canada in 1995. I have worked as a geologist for a total of 27 years since my graduation from university. My relevant experience includes open pit and underground mining (block cave and open stope-paste backfill) and significant experience in the exploration and development of porphyry, skarn and epithermal gold, silver and copper systems. I am skilled in both exploration and mining and specialize in porphyry and skarn copper-gold deposits. My primary areas of expertise include all aspects of mineral exploration from Greenfields through to Feasibility studies, 3D geologic modeling, QAQC, underground and open pit data collection & QAQC, database management, risk/hazard analysis of UG and Open Pit, slope monitoring. I have undertaken and managed multi million-dollar exploration and feasibility projects for the mining industry throughout North & South America and Indonesia.
4. I am a registered Fellow in good standing of the Society of Economic Geologists since April 30, 2010. I am a practising member of the Association of Professional Geoscientists of Nova Scotia (“APGNS”) and Professional Geoscientists of Ontario (“PGO”).
5. I have read the definition of “qualified person” set out in National Instrument 43-101 (NI 43-101) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a “qualified person” for the purposes of NI 43-101.
6. I have done a site visit to the Black Diamond property on March 12-13, 2019 for 2 days. During the visit, field checks were conducted at the old Buckeye Mine, Helene Adit, Black Copper Shaft and a short visit to the McMorris Mine prospects.
7. I have read NI 43-101 and the sections of the Technical Report I am responsible for have been prepared in compliance with that instrument and form.
8. As of the aforementioned effective date March 13, 2019, to the best of my knowledge, internet searches (SEDAR) and belief, I have independently verified that no material work or results has been reported from the project since the date of my field inspection, in March 2019. It was also discussed with the author of the previous NI43-101, Nick Barr, who confirmed no material work completed on the project since my site visit. Nick is resident of the area.

9. Aside from the lone site visit on the Black Diamond Property, as an independent consulting geologist, I have had no prior or subsequent involvement with the property that is the subject of the Technical Report.
10. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.
11. I am independent of the issuer, property and vendor applying all of the tests in section 1.5 of National Instrument 43-101. I do not own, directly or indirectly, nor am I under an agreement, arrangement or understanding or expect to acquire any securities of the issuer, Pinehurst Capital I Inc. or the vendor, Silver Bullet Mines Inc. or any affiliated entity of these companies. I hold no interest, directly or indirectly, in the mineral properties that are the subject of the forgoing report or in any adjacent mineral properties nor do I expect to receive any direct or indirect interest in the Property.
12. I have read the definition of “qualified person” set out in National Instrument 43-101/Regulation 43-101 (“NI 43-101”) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a qualified person for the purposes of NI 43-101 on this Technical Report.
13. I am responsible for the preparation of item 2.4 contained in the Technical Report.
14. I have read NI 43-101 and Form 43-101F1, and the Technical Report has been prepared in accordance with that instrument and form.

Signed this 8 day of January, 2021 in Oakville, Ontario, Canada



Stephen Hughes

Stephen Hughes, (P GEO APGNS No.188)

Effective Date: January 8, 2021

Signed Date: January 8, 2021

22. REFERENCES

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APPENDICIES

Appendix A1

BLM Black Diamond Claim Records

Date and Time

Run:

10/29/2020

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6:55:18 AM

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

Mining Claims

**CUSTOMER
INFORMATION**

Admin State: AZ

Geo State: AZ

Claimant SILVER BULLET MINES INC

Name:

Address: 2036 SALVATOR BOULEVARD

City: OAKVILLE 6471670

Appendix 1: BLACK DIAMOND PROPERTY - Page 1 of 8 - Oct. 29, 2020

Serial Number	Lead Serial Number	Claim Name	County	Disposition	Case Type	Last Assmt Year	Location Date	Meridian Township Range Section	Subdiv
AMC389463	AMC389463	MCMORRIS 1	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 003	SE
								14 0020N 0152E 010	NE
AMC389464	AMC389463	MCMORRIS 2	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 003	SE
								14 0020N 0152E 010	NE
AMC389465	AMC389463	MCMORRIS 3	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 003	SW,SE
								14 0020N 0152E 010	NE,NW
AMC389466	AMC389463	MCMORRIS 4	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 003	SW
								14 0020N 0152E 010	NE,NW
AMC389467	AMC389463	MCMORRIS 5	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	NE,NW
AMC389468	AMC389463	MCMORRIS 6	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	NE,NW,SE
AMC389469	AMC389463	MCMORRIS 7	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	NE
AMC389470	AMC389463	MCMORRIS 8	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	NE
AMC389471	AMC389463	MCMORRIS 9	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	NE
AMC389472	AMC389463	MCMORRIS 10	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	NE
								14 0020N 0152E 011	NW
AMC389473	AMC389463	MCMORRIS 11	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	NE
								14 0020N 0152E 011	NW,SW
AMC389474	AMC389463	MCMORRIS 12	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	NE,SE
								14 0020N 0152E 011	NW,SW
AMC389475	AMC389463	MCMORRIS 13	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	NE,SE
								14 0020N 0152E 011	SW
AMC389476	AMC389463	MCMORRIS 14	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	NE,SE
AMC389477	AMC389463	MCMORRIS 15	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	SE
AMC389478	AMC389463	MCMORRIS 16	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	SE
								14 0020N 0152E 015	NE
AMC389479	AMC389463	MCMORRIS 17	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	SE
								14 0020N 0152E 011	SW
AMC389480	AMC389463	MCMORRIS 18	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 010	SE
								14 0020N 0152E 011	SW

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AMC389481	AMC389463	MCMORRIS 19	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 011	SW
AMC389482	AMC389463	MCMORRIS 20	GILA	ACTIVE	LODE	2021	02-01-2008	14 0020N 0152E 011	SW
AMC389483	AMC389463	NIVEN 1	GILA	ACTIVE	LODE	2021	01-24-2008	14 0020N 0152E 010	NW
AMC389484	AMC389463	NIVEN 2	GILA	ACTIVE	LODE	2021	01-24-2008	14 0020N 0152E 010	NW
AMC389485	AMC389463	NIVEN 3	GILA	ACTIVE	LODE	2021	01-24-2008	14 0020N 0152E 010	NW
AMC389486	AMC389463	NIVEN 4	GILA	ACTIVE	LODE	2021	01-24-2008	14 0020N 0150E 012	NE
								14 0020N 0152E 010	NW,SW
AMC389487	AMC389463	NIVEN 5	GILA	ACTIVE	LODE	2021	01-24-2008	14 0020N 0150E 012	NE,SE
								14 0020N 0152E 010	NW,SW
AMC389488	AMC389463	NIVEN 6	GILA	ACTIVE	LODE	2021	01-24-2008	14 0020N 0150E 012	NE,SE
AMC389489	AMC389463	NIVEN 7	GILA	ACTIVE	LODE	2021	01-24-2008	14 0020N 0150E 012	SE
								14 0020N 0152E 010	SW
AMC389490	AMC389463	NIVEN 8	GILA	ACTIVE	LODE	2021	01-24-2008	14 0020N 0152E 010	SW
AMC389491	AMC389463	NIVEN 9	GILA	ACTIVE	LODE	2021	01-24-2008	14 0020N 0152E 010	SW
AMC389492	AMC389463	NIVEN 10	GILA	ACTIVE	LODE	2021	01-24-2008	14 0020N 0152E 010	NW,SW
AMC389493	AMC389463	NIVEN 11	GILA	ACTIVE	LODE	2021	01-24-2008	14 0020N 0152E 010	NW,SW
AMC389494	AMC389463	NIVEN 12	GILA	ACTIVE	LODE	2021	01-24-2008	14 0020N 0152E 010	NE,NW,SW,SE
AMC389495	AMC389463	NIVEN 13	GILA	ACTIVE	LODE	2021	01-23-2008	14 0020N 0152E 010	SE
AMC389496	AMC389463	NIVEN 14	GILA	ACTIVE	LODE	2021	01-23-2008	14 0020N 0152E 010	SW,SE
AMC389497	AMC389463	NIVEN 15	GILA	ACTIVE	LODE	2021	01-23-2008	14 0020N 0152E 010	SW,SE
AMC389498	AMC389463	NIVEN 16	GILA	ACTIVE	LODE	2021	01-23-2008	14 0020N 0152E 010	SW
AMC389499	AMC389463	NIVEN 17	GILA	ACTIVE	LODE	2021	01-23-2008	14 0020N 0152E 010	SW
								14 0020N 0152E 015	NW
AMC389500	AMC389463	NIVEN 18	GILA	ACTIVE	LODE	2021	01-23-2008	14 0020N 0152E 010	SW
								14 0020N 0152E 015	NW
AMC389501	AMC389463	NIVEN 19	GILA	ACTIVE	LODE	2021	01-23-2008	14 0020N 0152E 015	NW
AMC389502	AMC389463	NIVEN 20	GILA	ACTIVE	LODE	2021	01-23-2008	14 0020N 0152E 015	NE,NW
AMC389503	AMC389463	NIVEN 21	GILA	ACTIVE	LODE	2021	01-23-2008	14 0020N 0152E 010	SW
								14 0020N 0152E 015	NE,NW
AMC389504	AMC389463	NIVEN 22	GILA	ACTIVE	LODE	2021	01-23-2008	14 0020N 0152E 010	SW,SE
								14 0020N 0152E 015	NE
AMC389505	AMC389463	NIVEN 23	GILA	ACTIVE	LODE	2021	01-23-2008	14 0020N 0152E 010	SE
								14 0020N 0152E 015	NE
AMC389506	AMC389463	NIVEN 24	GILA	ACTIVE	LODE	2021	01-23-2008	14 0020N 0152E 010	SE
								14 0020N 0152E 015	NE
AMC389507	AMC389463	NIVEN 25	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 011	SW
								14 0020N 0152E 014	NW
AMC389508	AMC389463	NIVEN 26	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 011	SW
								14 0020N 0152E 014	NW
AMC389509	AMC389463	NIVEN 27	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 011	SW
								14 0020N 0152E 014	NW
AMC389510	AMC389463	NIVEN 28	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 011	SW
								14 0020N 0152E 014	NW

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AMC389511	AMC389463	NIVEN 29	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 010	SE
								14 0020N 0152E 011	SW
								14 0020N 0152E 014	NW
								14 0020N 0152E 015	NE
AMC389512	AMC389463	NIVEN 30	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 014	NW
								14 0020N 0152E 015	NE
AMC389513	AMC389463	NIVEN 31	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 015	NE
AMC389514	AMC389463	NIVEN 32	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 015	NE
AMC389515	AMC389463	NIVEN 33	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 015	NE
AMC389516	AMC389463	NIVEN 34	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 015	NE,NW
AMC389517	AMC389463	NIVEN 35	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 015	NE,NW,SW,SE
AMC389518	AMC389463	NIVEN 36	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 015	SE
AMC389519	AMC389463	NIVEN 37	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 015	NE,SE
AMC389520	AMC389463	NIVEN 38	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 015	NE,SE
AMC389521	AMC389463	NIVEN 39	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 014	SW
								14 0020N 0152E 015	NE,SE
AMC389522	AMC389463	NIVEN 40	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 014	NW,SW
								14 0020N 0152E 015	NE,SE
AMC389523	AMC389463	NIVEN 41	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 014	NW,SW
								14 0020N 0152E 015	NE
AMC389524	AMC389463	NIVEN 42	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 014	NW
AMC389525	AMC389463	NIVEN 43	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 014	NW
AMC389526	AMC389463	NIVEN 44	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 014	NW
AMC389527	AMC389463	NIVEN 45	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 014	NE,NW
AMC389528	AMC389463	NIVEN 46	GILA	ACTIVE	LODE	2021	01-16-2008	14 0020N 0152E 011	SE
								14 0020N 0152E 014	NE,NW
AMC389529	AMC389463	NIVEN 47	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 014	NE
AMC389530	AMC389463	NIVEN 48	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	NE,SE
AMC389531	AMC389463	NIVEN 49	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	NE,NW,SE
AMC389532	AMC389463	NIVEN 50	GILA	ACTIVE	LODE	2021	01-11-2008	14 0020N 0152E 014	NW,SW,SE
AMC389533	AMC389463	NIVEN 51	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	NW,SW
AMC389534	AMC389463	NIVEN 52	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	NW,SW
AMC389535	AMC389463	NIVEN 53	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	SW
AMC389536	AMC389463	NIVEN 54	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	SW
								14 0020N 0152E 015	SE
AMC389537	AMC389463	NIVEN 55	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	SW
								14 0020N 0152E 015	SE
AMC389538	AMC389463	NIVEN 56	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 015	SE
AMC389539	AMC389463	NIVEN 57	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 015	SE
								14 0020N 0152E 022	NE
AMC389540	AMC389463	NIVEN 58	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 022	NE
								14 0020N 0152E 023	NW
AMC389541	AMC389463	NIVEN 59	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 015	SE
								14 0020N 0152E 022	NE
								14 0020N 0152E 023	NW

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AMC389542	AMC389463	NIVEN 60	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	SW
								14 0020N 0152E 023	NW
AMC389543	AMC389463	NIVEN 61	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	SW
								14 0020N 0152E 023	NW
AMC389544	AMC389463	NIVEN 62	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	SW
								14 0020N 0152E 023	NW
AMC389545	AMC389463	NIVEN 63	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	SW
								14 0020N 0152E 023	NW
AMC389546	AMC389463	NIVEN 64	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	SW,SE
AMC389547	AMC389463	NIVEN 65	GILA	ACTIVE	LODE	2021	01-11-2008	14 0020N 0152E 014	SW,SE
AMC389548	AMC389463	NIVEN 66	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	SE
AMC389549	AMC389463	NIVEN 67	GILA	ACTIVE	LODE	2021	01-08-2008	14 0020N 0152E 014	SE
AMC389550	AMC389463	NIVEN 68	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 014	NE,SE
AMC389551	AMC389463	NIVEN 69	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 013	SW
								14 0020N 0152E 014	NE,SE
AMC389552	AMC389463	NIVEN 70	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 013	NW,SW
								14 0020N 0152E 014	NE
AMC389553	AMC389463	NIVEN 71	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 013	SW
AMC389554	AMC389463	NIVEN 72	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 013	SW
								14 0020N 0152E 014	SE
AMC389555	AMC389463	NIVEN 73	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 013	SW
								14 0020N 0152E 014	SE
AMC389556	AMC389463	NIVEN 74	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 013	SW
								14 0020N 0152E 014	SE
								14 0020N 0152E 023	NE
AMC389557	AMC389463	NIVEN 75	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 014	SE
								14 0020N 0152E 023	NE
AMC389558	AMC389463	NIVEN 76	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 014	SE
								14 0020N 0152E 023	NE
AMC389559	AMC389463	NIVEN 77	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 014	SE
								14 0020N 0152E 023	NE
AMC389560	AMC389463	NIVEN 78	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 014	SW
								14 0020N 0152E 023	NE,NW
AMC389561	AMC389463	NIVEN 79	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NE,NW
AMC389562	AMC389463	NIVEN 80	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NW
AMC389563	AMC389463	NIVEN 81	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NW
AMC389564	AMC389463	NIVEN 82	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NW
AMC389565	AMC389463	NIVEN 83	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 022	NE
								14 0020N 0152E 023	NW,SW
AMC389566	AMC389463	NIVEN 84	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NW,SW
AMC389567	AMC389463	NIVEN 85	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NW,SW
AMC389568	AMC389463	NIVEN 86	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NW,SW
AMC389569	AMC389463	NIVEN 87	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NE,NW,SW,SE
AMC389570	AMC389463	NIVEN 88	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NE,NW,SE
AMC389571	AMC389463	NIVEN 89	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NE,SE
AMC389572	AMC389463	NIVEN 90	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NE

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AMC389573	AMC389463	NIVEN 91	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NE
AMC389574	AMC389463	NIVEN 92	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NE
								14 0020N 0152E 024	NW
AMC389575	AMC389463	NIVEN 93	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 023	NE
								14 0020N 0152E 024	NW
AMC389576	AMC389463	NIVEN 94	GILA	ACTIVE	LODE	2021	01-09-2008	14 0020N 0152E 013	SW
								14 0020N 0152E 024	NW
AMC389577	AMC389463	NIVEN 95	GILA	ACTIVE	LODE	2021	01-10-2008	14 0020N 0152E 024	NW
AMC389578	AMC389463	NIVEN 96	GILA	ACTIVE	LODE	2021	01-10-2008	14 0020N 0152E 024	NW,SW
AMC389579	AMC389463	NIVEN 97	GILA	ACTIVE	LODE	2021	01-10-2008	14 0020N 0152E 024	NW,SW
AMC389580	AMC389463	NIVEN 98	GILA	ACTIVE	LODE	2021	01-10-2008	14 0020N 0152E 023	NE
								14 0020N 0152E 024	NW,SW
AMC389581	AMC389463	NIVEN 99	GILA	ACTIVE	LODE	2021	01-10-2008	14 0020N 0152E 023	NE,SE
								14 0020N 0152E 024	SW
AMC389582	AMC389463	NIVEN 100	GILA	ACTIVE	LODE	2021	01-10-2008	14 0020N 0152E 023	NE,SE
AMC389583	AMC389463	NIVEN 101	GILA	ACTIVE	LODE	2021	01-10-2008	14 0020N 0152E 023	SE
AMC389584	AMC389463	NIVEN 102	GILA	ACTIVE	LODE	2021	01-10-2008	14 0020N 0152E 023	SE
AMC389585	AMC389463	NIVEN 103	GILA	ACTIVE	LODE	2021	01-10-2008	14 0020N 0152E 023	SW,SE
AMC389586	AMC389463	NIVEN 104	GILA	ACTIVE	LODE	2021	01-10-2008	14 0020N 0152E 023	SW,SE
AMC389587	AMC389463	NIVEN 105	GILA	ACTIVE	LODE	2021	01-10-2008	14 0020N 0152E 023	SW
								14 0020N 0152E 026	NW
AMC407488	AMC407488	LA ESMERALDA 1	GILA	ACTIVE	LODE	2021	03-13-2011	14 0020N 0152E 003	NW,SW
AMC407489	AMC407488	SILVER SEVENS 1	GILA	ACTIVE	LODE	2021	03-13-2011	14 0020N 0152E 011	NW
AMC407490	AMC407488	SILVER SEVENS 2	GILA	ACTIVE	LODE	2021	03-13-2011	14 0020N 0152E 011	NW
AMC409963	AMC409963	BD 1	GILA	ACTIVE	LODE	2021	05-11-2011	14 0020N 0152E 015	SE
								14 0020N 0152E 022	NE
AMC409964	AMC409963	BD 2	GILA	ACTIVE	LODE	2021	05-11-2011	14 0020N 0152E 022	NE
AMC409965	AMC409963	BD 3	GILA	ACTIVE	LODE	2021	05-11-2011	14 0020N 0152E 015	SW,SE
								14 0020N 0152E 022	NE,NW
AMC409966	AMC409963	BD 4	GILA	ACTIVE	LODE	2021	05-11-2011	14 0020N 0152E 022	NE
AMC409967	AMC409963	BD 5	GILA	ACTIVE	LODE	2021	05-11-2011	14 0020N 0152E 015	SW
								14 0020N 0152E 022	NE,NW
AMC409968	AMC409963	BD 6	GILA	ACTIVE	LODE	2021	05-11-2011	14 0020N 0152E 022	NE
AMC410195	AMC410195	ESM 1	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	NE
AMC410196	AMC410195	ESM 2	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 002	SW
								14 0020N 0152E 003	NE,SE
AMC410197	AMC410195	ESM 3	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	NE,SE
AMC410198	AMC410195	ESM 4	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	SE
AMC410199	AMC410195	ESM 5	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	NE,NW,SW,SE
AMC410200	AMC410195	ESM 6	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	SE
AMC410201	AMC410195	ESM 7	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	NW,SW,SE
AMC410202	AMC410195	ESM 8	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	SW,SE
AMC410203	AMC410195	ESM 9	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	NW,SW
AMC410204	AMC410195	ESM 10	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	SW,SE
AMC410205	AMC410195	ESM 11	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	SW

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AMC410206	AMC410195	ESM 12	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	SW,SE
								14 0020N 0152E 010	NE,NW
AMC410207	AMC410195	ESM 13	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0150E 001	NE
								14 0020N 0152E 003	NW,SW
AMC410208	AMC410195	ESM 14	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	NW
AMC410209	AMC410195	ESM 15	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	NW
AMC410210	AMC410195	ESM 16	GILA	ACTIVE	LODE	2021	06-08-2011	14 0020N 0152E 003	NE,NW
AMC424435	AMC424435	BD 7	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	NW
AMC424436	AMC424435	BD 8	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	NW
AMC424437	AMC424435	BD 9	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	NW
AMC424438	AMC424435	BD 10	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	NE,NW,SW,SE
AMC424439	AMC424435	BD 11	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	NW
AMC424440	AMC424435	BD 12	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	NW,SW
AMC424441	AMC424435	BD 13	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	NE,SE
								14 0020N 0152E 023	NW,SW
AMC424442	AMC424435	BD 14	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 023	SW
AMC424443	AMC424435	BD 15	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	NE,SE
AMC424444	AMC424435	BD 16	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	SE
								14 0020N 0152E 023	SW
AMC424445	AMC424435	BD 17	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	NE,SE
AMC424446	AMC424435	BD 18	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	SE
								14 0020N 0152E 023	SW
AMC424447	AMC424435	BD 19	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	SE
AMC424448	AMC424435	BD 20	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	SE
								14 0020N 0152E 027	NE
AMC424449	AMC424435	BD 21	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	SW,SE
AMC424450	AMC424435	BD 22	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	SE
								14 0020N 0152E 027	NE
AMC424451	AMC424435	BD 23	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	SW,SE
AMC424452	AMC424435	BD 24	GILA	ACTIVE	LODE	2021	07-22-2013	14 0020N 0152E 022	SE
								14 0020N 0152E 027	NE
AMC424453	AMC424435	BD 25	GILA	ACTIVE	LODE	2021	07-07-2013	14 0020N 0152E 015	NW,SW,SE
AMC424454	AMC424435	BD 26	GILA	ACTIVE	LODE	2021	07-07-2013	14 0020N 0152E 015	SW,SE
AMC424455	AMC424435	BD 27	GILA	ACTIVE	LODE	2021	07-07-2013	14 0020N 0152E 015	NW,SW
AMC424456	AMC424435	BD 28	GILA	ACTIVE	LODE	2021	07-07-2013	14 0020N 0152E 015	SW,SE
AMC424457	AMC424435	BD 29	GILA	ACTIVE	LODE	2021	07-07-2013	14 0020N 0152E 015	NW,SW
AMC424458	AMC424435	BD 30	GILA	ACTIVE	LODE	2021	07-07-2013	14 0020N 0152E 015	SW
AMC424459	AMC424435	BD 31	GILA	ACTIVE	LODE	2021	07-07-2013	14 0020N 0150E 013	SE
								14 0020N 0152E 015	NW,SW
AMC424460	AMC424435	BD 32	GILA	ACTIVE	LODE	2021	07-07-2013	14 0020N 0152E 015	SW
								14 0020N 0152E 022	NW
AMC424461	AMC424435	BD 33	GILA	ACTIVE	LODE	2021	07-07-2013	14 0020N 0150E 013	SE
								14 0020N 0152E 015	SW
AMC424462	AMC424435	BD 34	GILA	ACTIVE	LODE	2021	07-07-2013	14 0020N 0152E 015	SW
								14 0020N 0152E 022	NW

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AMC424463	AMC424435	BD 35	GILA	ACTIVE	LODE	2021	07-07-2013	14 0020N 0150E 013	SE
								14 0020N 0152E 015	SW
AMC424464	AMC424435	BD 36	GILA	ACTIVE	LODE	2021	07-07-2013	14 0020N 0150E 013	SE
								14 0020N 0150E 024	NE
								14 0020N 0152E 015	SW
								14 0020N 0152E 022	NW
AMC438788	AMC438788	SILVER SEVENS 3	GILA	ACTIVE	LODE	2021	04-09-2016	14 0020N 0152E 011	SW,SE
AMC438789	AMC438788	SILVER SEVENS 4	GILA	ACTIVE	LODE	2021	04-09-2016	14 0020N 0152E 011	NE,NW,SW,SE
AMC450306	AMC450306	BD EXTENSION 1	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 013	SW
								14 0020N 0152E 024	NW
AMC450307	AMC450306	BD EXTENSION 2	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 013	SW
								14 0020N 0152E 024	NW
AMC450308	AMC450306	BD EXTENSION 3	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	NE
AMC450309	AMC450306	BD EXTENSION 4	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	NE,NW
AMC450310	AMC450306	BD EXTENSION 5	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	NE,NW
AMC450311	AMC450306	BD EXTENSION 6	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	NE,SE
AMC450312	AMC450306	BD EXTENSION 7	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	NE,SE
AMC450313	AMC450306	BD EXTENSION 8	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	NE,NW,SE
AMC450314	AMC450306	BD EXTENSION 9	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	NE,NW,SW,SE
AMC450315	AMC450306	BD EXTENSION 10	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	SW,SE
AMC450316	AMC450306	BD EXTENSION 11	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	SW,SE
								14 0020N 0152E 025	NE
AMC450317	AMC450306	BD EXTENSION 12	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	SE
AMC450318	AMC450306	BD EXTENSION 13	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	SE
AMC450319	AMC450306	BD EXTENSION 14	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	SE
AMC450320	AMC450306	BD EXTENSION 15	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	SE
								14 0020N 0160E 019	SW
AMC450321	AMC450306	BD EXTENSION 16	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	NE,SE
								14 0020N 0160E 019	NW,SW
AMC450322	AMC450306	BD EXTENSION 17	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0160E 019	NW,SW
AMC450323	AMC450306	BD EXTENSION 18	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0160E 019	NW,SW
AMC450324	AMC450306	BD EXTENSION 19	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0160E 019	SW
AMC450325	AMC450306	BD EXTENSION 20	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0160E 019	SW
AMC450326	AMC450306	BD EXTENSION 21	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0160E 019	SW
AMC450327	AMC450306	BD EXTENSION 22	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	SE
								14 0020N 0160E 019	SW
								14 0020N 0160E 030	NW
AMC450328	AMC450306	BD EXTENSION 23	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	SE
								14 0020N 0152E 025	NE
								14 0020N 0160E 019	SW
								14 0020N 0160E 030	NW
AMC450329	AMC450306	BD EXTENSION 24	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	SE
								14 0020N 0152E 025	NE
								14 0020N 0160E 030	NW
AMC450330	AMC450306	BD EXTENSION 25	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	SE
								14 0020N 0152E 025	NE

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AMC450331	AMC450306	BD EXTENSION 26	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 024	SE
								14 0020N 0152E 025	NE
AMC450332	AMC450306	BD EXTENSION 27	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0160E 019	SW
								14 0020N 0160E 030	NW
AMC450333	AMC450306	BD EXTENSION 28	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0160E 019	SW,SE
								14 0020N 0160E 030	NW
AMC450334	AMC450306	BD EXTENSION 29	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 011	SW,SE
AMC450335	AMC450306	BD EXTENSION 30	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 011	SE
AMC450336	AMC450306	BD EXTENSION 31	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 011	NE,SE
AMC450337	AMC450306	BD EXTENSION 32	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 011	NE,SE
AMC450338	AMC450306	BD EXTENSION 33	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 011	NE,NW,SW,SE
AMC450339	AMC450306	BD EXTENSION 34	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 011	NW,SW,SE
AMC450340	AMC450306	BD EXTENSION 35	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 010	NE
								14 0020N 0152E 011	NW
AMC450341	AMC450306	BD EXTENSION 36	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 002	SW
								14 0020N 0152E 011	NW
AMC450342	AMC450306	BD EXTENSION 37	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 002	SW
								14 0020N 0152E 003	SE
								14 0020N 0152E 011	NW
AMC450343	AMC450306	BD EXTENSION 38	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 002	SW
								14 0020N 0152E 003	SE
								14 0020N 0152E 010	NE
								14 0020N 0152E 011	NW
AMC450344	AMC450306	BD EXTENSION 39	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 002	SW
								14 0020N 0152E 003	NE,SE
AMC450345	AMC450306	BD EXTENSION 40	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 003	NE,SE
AMC450346	AMC450306	BD EXTENSION 41	GILA	ACTIVE	LODE	2021	01-18-2018	14 0020N 0152E 003	NE,SW,SE
AMC450347	AMC450306	BD EXTENSION 42	GILA	ACTIVE	LODE	2021	01-31-2018	14 0020N 0152E 015	NW
AMC450348	AMC450306	BD EXTENSION 43	GILA	ACTIVE	LODE	2021	01-31-2018	14 0020N 0152E 015	NW,SW
AMC450349	AMC450306	BD EXTENSION 44	GILA	ACTIVE	LODE	2021	01-31-2018	14 0020N 0150E 013	NE
								14 0020N 0152E 015	NW,SW
AMC450350	AMC450306	BD EXTENSION 45	GILA	ACTIVE	LODE	2021	01-31-2018	14 0020N 0150E 013	NE,SE
								14 0020N 0152E 015	NW,SW
AMC450351	AMC450306	BD EXTENSION 46	GILA	ACTIVE	LODE	2021	01-31-2018	14 0020N 0150E 013	NE,SE
AMC450352	AMC450306	BD EXTENSION 47	GILA	ACTIVE	LODE	2021	01-31-2018	14 0020N 0150E 013	NE,SE
AMC450353	AMC450306	BD EXTENSION 48	GILA	ACTIVE	LODE	2021	01-31-2018	14 0020N 0150E 013	SE
AMC450354	AMC450306	BD EXTENSION 49	GILA	ACTIVE	LODE	2021	01-31-2018	14 0020N 0150E 013	SE
								14 0020N 0150E 024	NE
AMC450355	AMC450306	BD EXTENSION 50	GILA	ACTIVE	LODE	2021	01-31-2018	14 0020N 0150E 013	SE
								14 0020N 0150E 024	NE
								14 0020N 0152E 022	NW

NO WARRANTY IS MADE BY BLM
FOR USE OF THE DATA FOR
PURPOSES NOT INTENDED BY BLM

Appendix A2

Black Diamond Quick Claim Deed

Prepared by: _____)

_____)

_____)

After recording return to: _____)

_____)

_____)

Send tax statements to: _____)

_____)

_____)

Above this line reserved for official use only

Quitclaim Deed

KNOW ALL MEN BY THESE PRESENTS THAT:

On September 27th, 2020, Ron Murphy, of Black Diamond Exploration, Inc., a Nevada corporation whose tax mailing address is P. O. Box 1028, Claypool, AZ 85532, (the "Grantor"), for and in consideration of the sum of \$10.00, and other good and valuable consideration, the receipt of which is hereby acknowledged, does hereby remise, release, as well as quitclaim, unto Silver Bullet Mines Inc, a Canadian corporation, whose tax mailing address is 2036 Salvator Boulevard, Oakville, Ontario, Canada, L6L 1M7, (the "Grantee") as the sole tenant, all of the following lands and property, together with all improvements located on the property in the County of Gila, State of Arizona:

Mining Claims Owned By Black Diamond Exploration, Inc.

232 Mining Claims Located in Richmond Basin, Gila County, AZ

Niven #1 - #105

AMC Numbers 389483 through 389587

McMorris #1 - #20

AMC Numbers 389463 through 389482

La Esmerelda #1

AMC Number 407488

Silver Sevens #1 - #2

AMC Numbers 407489 through 407490

Silver Sevens #3 - #4

AMC Numbers 438788 through 438789

ESM #1 - #16

AMC Numbers 410195 through 410210

BD #1 - #6

AMC Numbers 409963 through 409968

BD #7 - #36

AMC Numbers 424435 through 424464

BD EXTENSION #1 - #50

AMC Numbers 450306 through 450355

The above premises are subject to all easements, rights-of-way, protective covenants and mineral reservations of record, if any.

The property conveyed in this deed is part of the homestead of the Grantor.

not

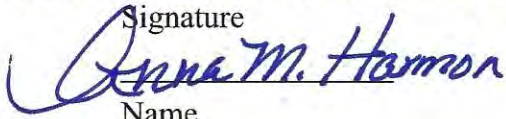
TO HAVE AND TO HOLD the property unto the Grantee and the Grantee's heirs and assigns forever, with all appurtenances belonging on the property.

IN WITNESS WHEREOF the Grantor has executed this Quitclaim Deed on the day and year above.

Signed in the presence of:



Signature



Name

Black Diamond Exploration, Inc.

Per:  _____

Ron Murphy

Grantor Acknowledgement

STATE OF ARIZONA

COUNTY OF GILA

On this 27th day of September, 2020, before me, Anna M. Harmon, a notary public in and for the State of Arizona, Ron Murphy of Black Diamond Exploration, Inc., a Nevada corporation, known to me or proven on the basis of satisfactory evidence to be the Grantor, acknowledged this Quitclaim Deed to be a free and voluntary act of the Grantor with all requisite lawful authority.

Witness my hand and official seal.

Anna M. Harmon (SEAL)
Notary Public for the State of Arizona



County of Gila

My commission expires: July 26, 2022

Appendix B

GoldSpot Discoveries Inc. Report

Analyse minérale de données satellitaires, Arizona

Goldspot Discoveries Inc.

Ludovic Bigot, M.Sc., géo

Michel Rheault, M.Sc., géo

Topographie

Données topographiques USGS
→ 1/3 arcsec (~10 m résolution)

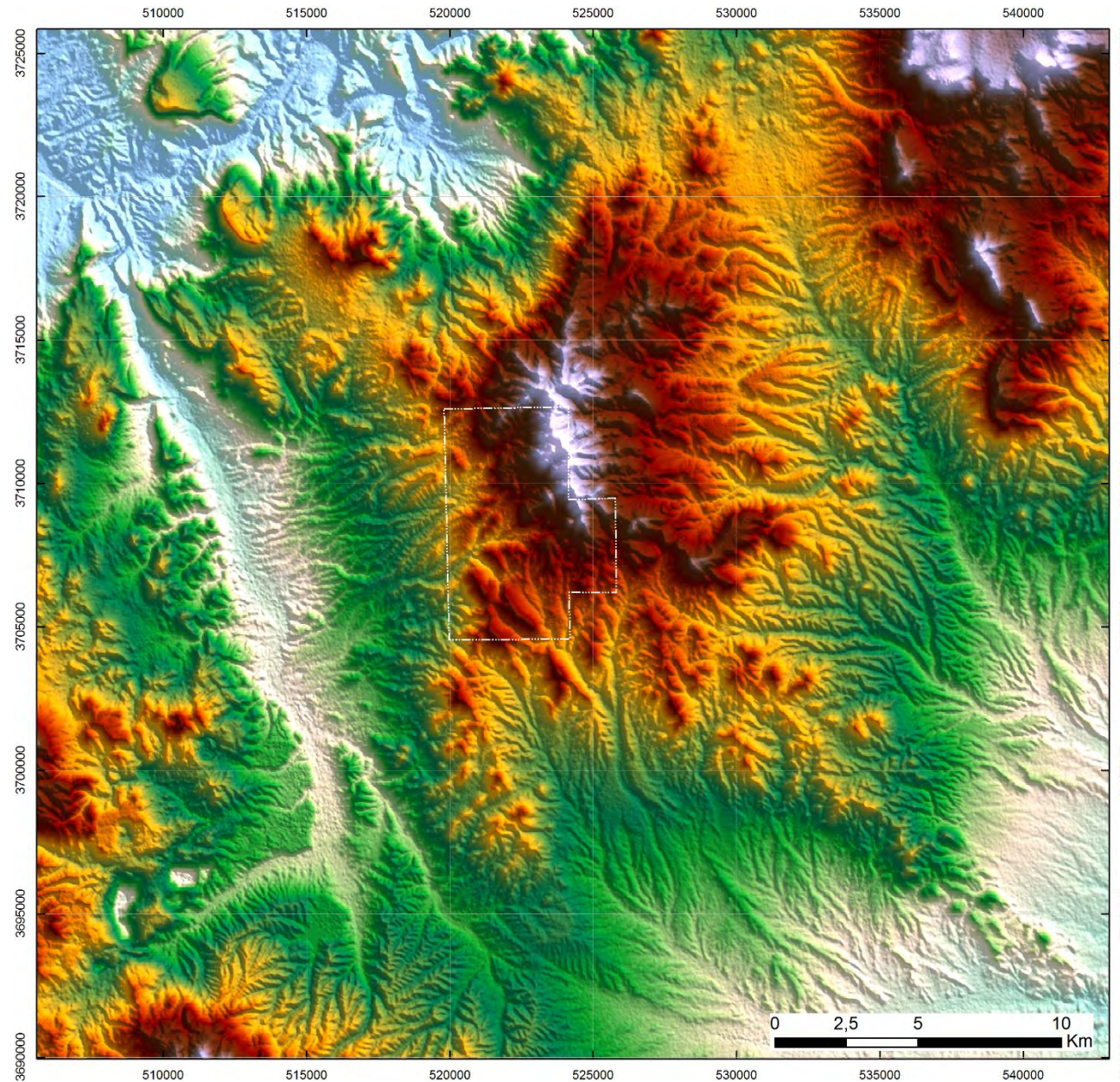
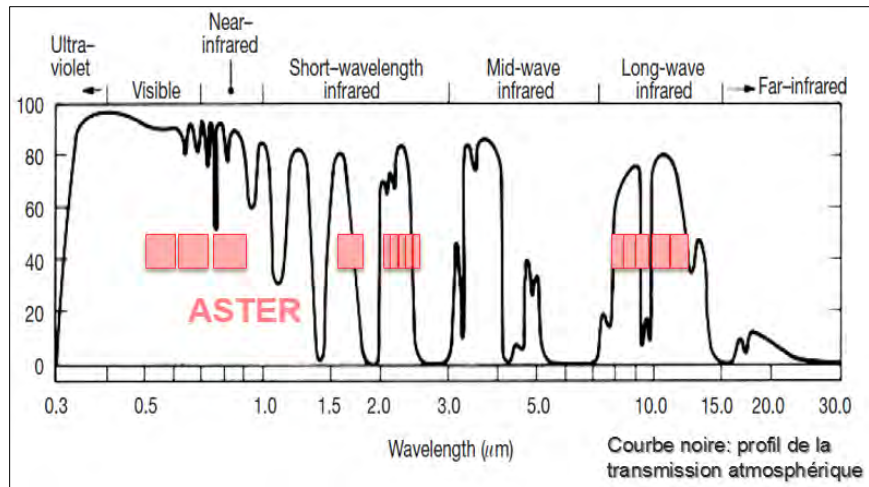


Image satellite

1 image ASTER du 12 sept 2003

Traitement pré-analyse:

- Orthorectification
- Corrections atmosphériques et radiométriques
→ conversion des données en réflectance
- Corrections topographiques



ASTER

14 bandes multispectrales:

VNIR (15 m résolution), SWIR (30 m résolution), TIR (90 m résolution)

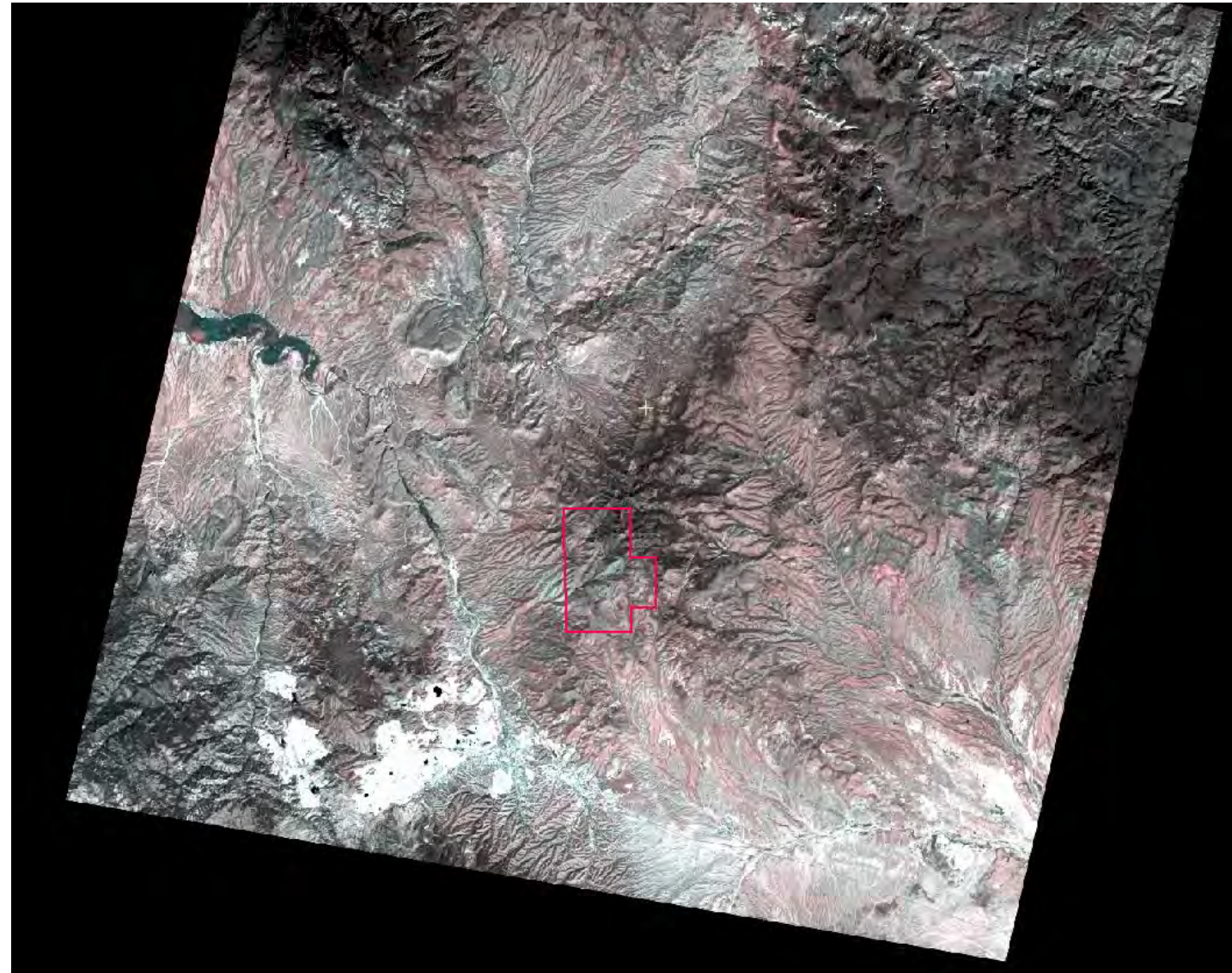
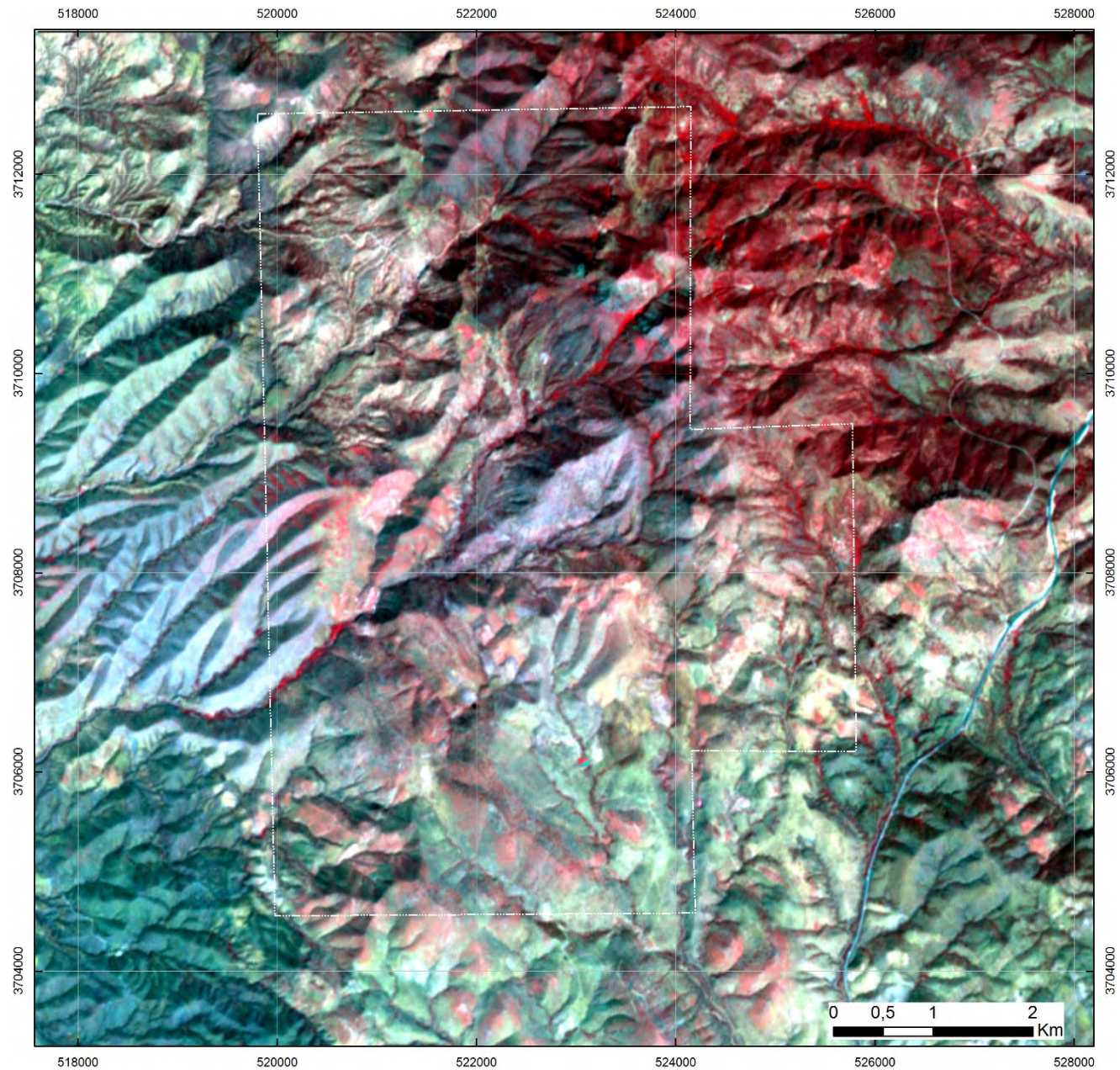


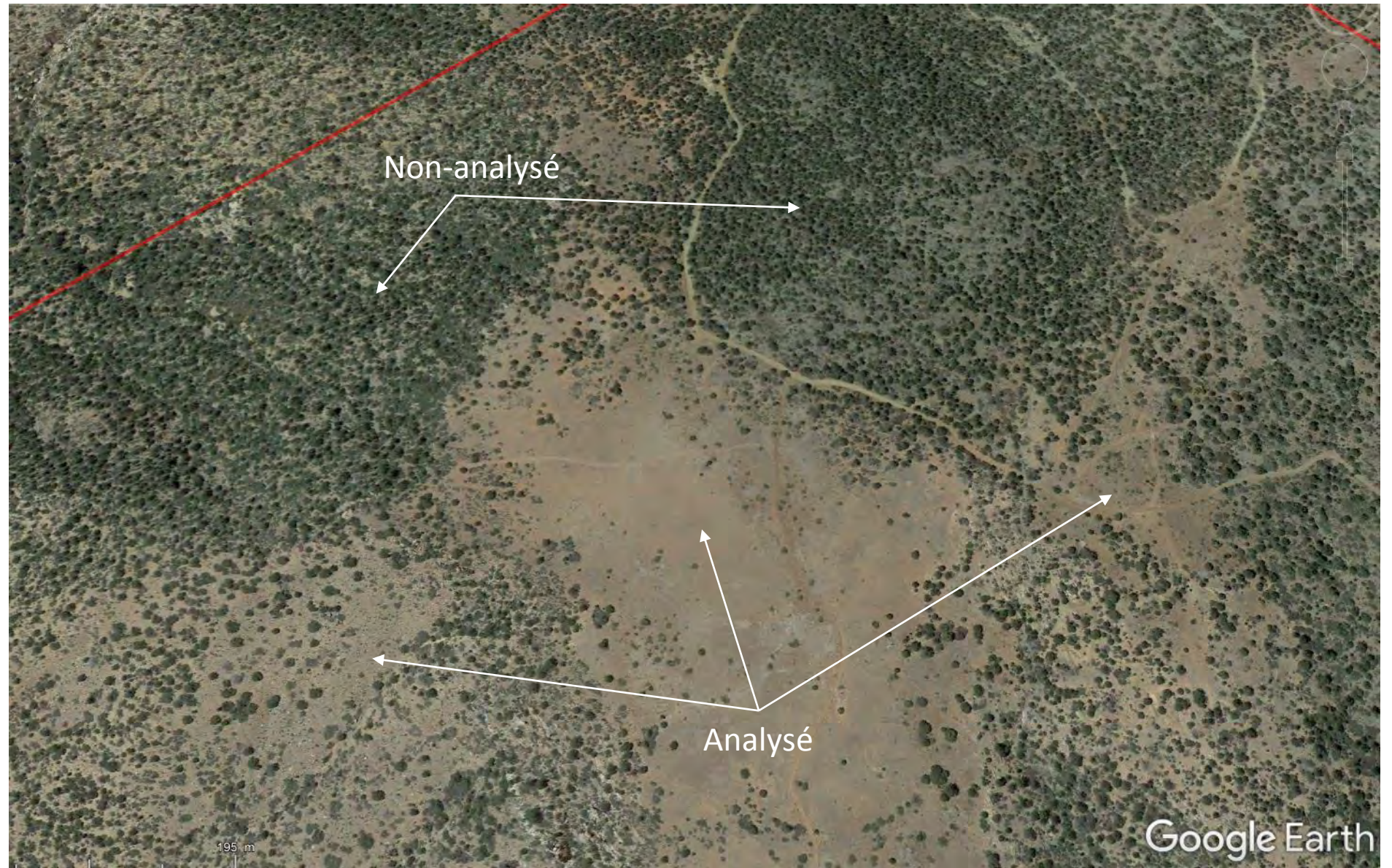
Image satellite

Image ASTER 321 (15 m résolution)



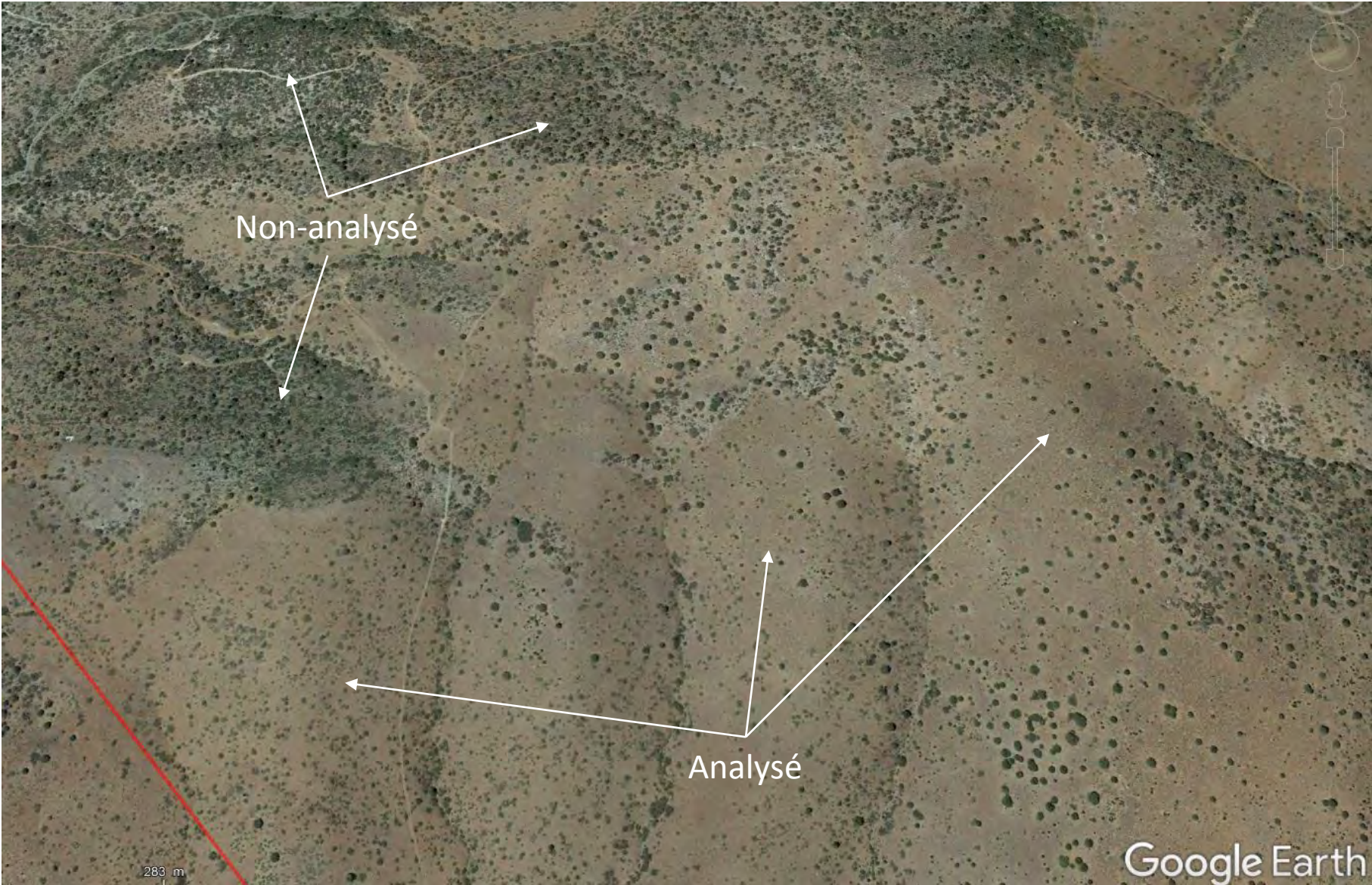
Caractérisation minéral vs. végétal

Analysé:
Mélange de roches
affleurantes et de sols
dégradés















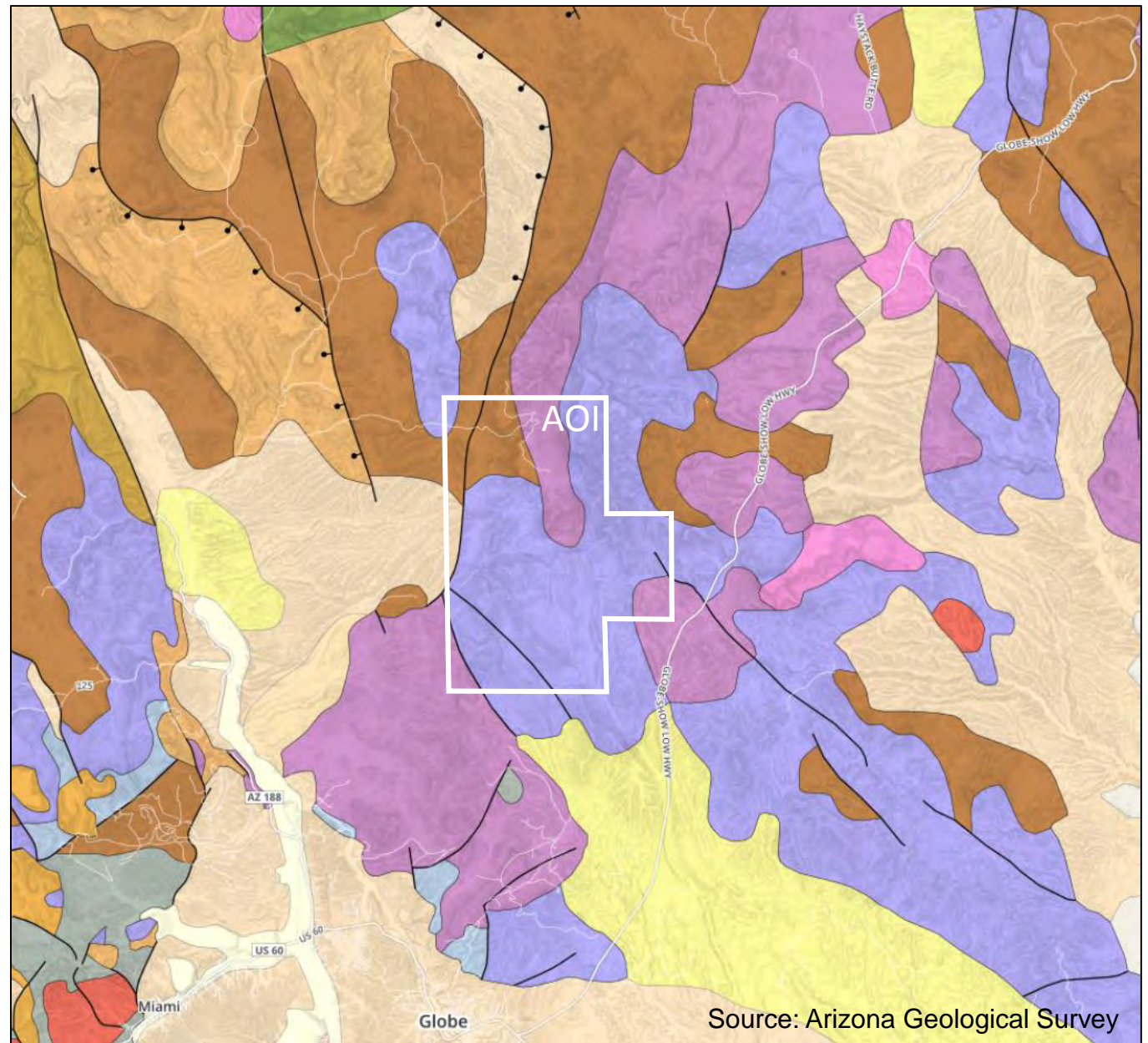
Caractérisation
minéral vs. végétal

Analysé:
Mélange de roches
affleurantes et de sols
dégradés

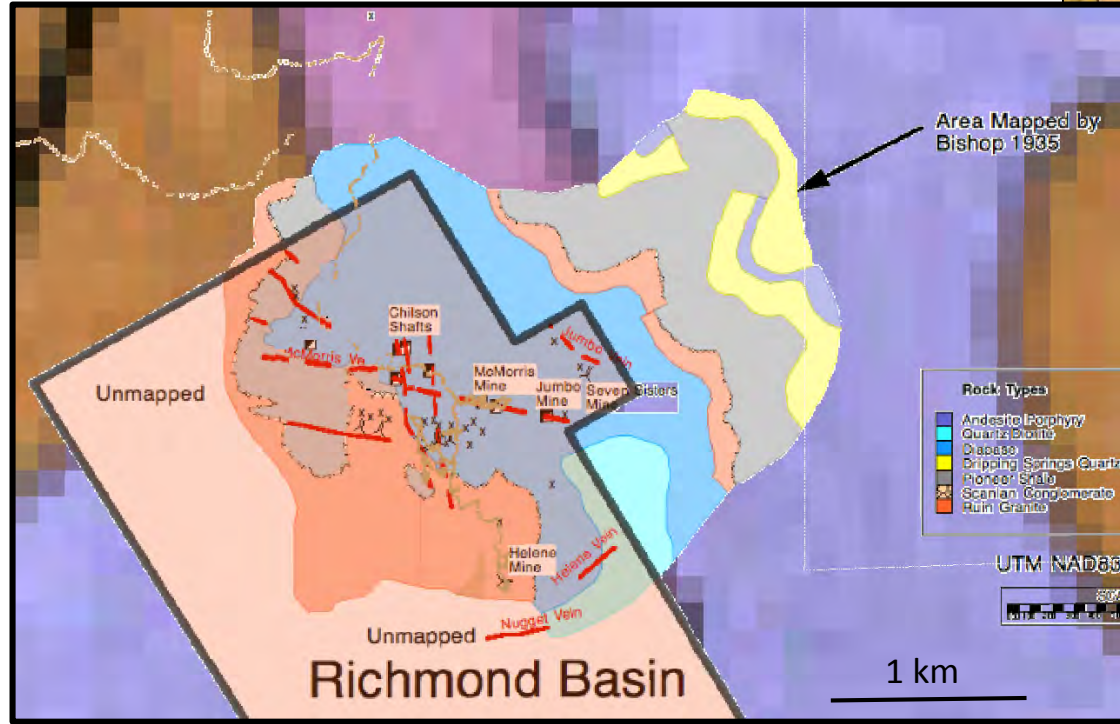


Carte géologique

- | | | | |
|--|--|---|---|
|  | Dépôt quaternaire |  | Granite à bt porphyrique
(1400 – 1450 Ma; Protéro.) |
|  | Dépôt quaternaire |  | Quartzite et conglomérat
(1650 – 1700 Ma; Protéro.) |
|  | Conglomérat et grès
(2 – 16 Ma; Miocene) |  | Intrusion mafique (diabase)
(1050 – 1150 Ma; Protéro.) |
|  | Basalte
(8 – 16 Ma; Miocene) |  | Shale, grès et calcaire
(700 – 1300 Ma; Protéro.) |
|  | Volcanite variée et sédiment
(11 – 32 Ma; Miocene Oligocene) | | |
|  | Conglomérat, grès, mudstone, calcaire
(11 – 32 Ma; Miocene Oligocene) | | |
|  | Granite/diorite porphyrique
(50 – 82 Ma; Cretacé) |  | Faille |

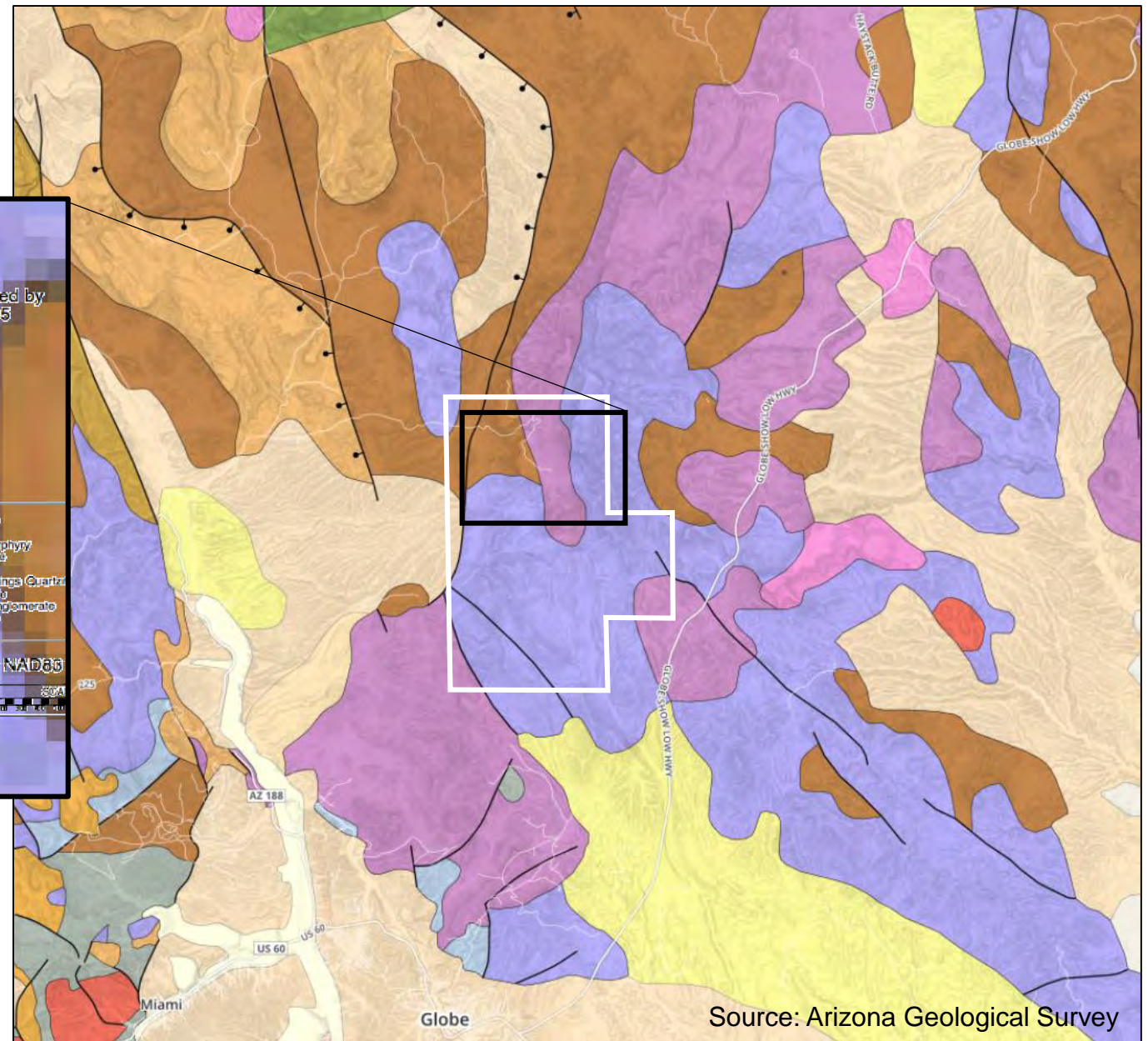


Carte géologique



Légende géologique pour la zone cartographiée par Bishop (1935)

- | | | |
|-----------|----------|-------|
| Quartzite | Diabase | Veine |
| Shale | Diorite | |
| Granite | Andesite | |










Analyse minérale

- 1) Identification des tendances spectrales régionales: Produits MNF (ACP en cascades sur les 9 bandes VNIR-SWIR)
- 2) Cartographie minérale: alunite, kaolinite, dickite, montmorillonite, muscovite, illite, calcite, jarosite (limonite) et quartz
- 3) Cartographie d'altération: argilique, phyllique, carbonatée, silicatée et ferrugineuse

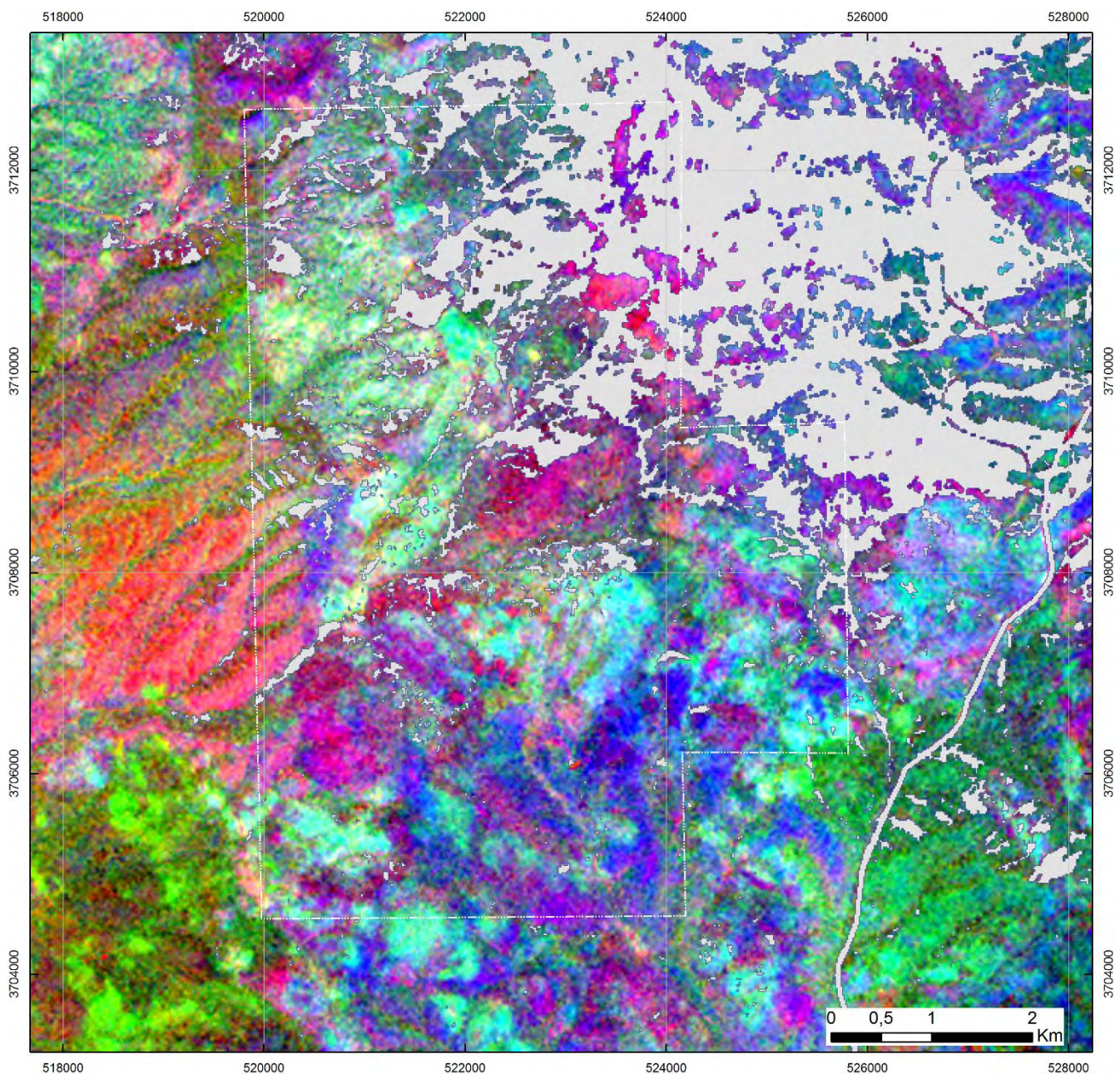
Mise en garde: Les minéraux et altérations interprétés sont probables. Ils sont issus de données satellitaires sans validations de terrain.

MNF

Tendances spectrales régionales
Données VNIR et SWIR (9 bandes) en réflectance
avec correction topographique

-  Domaine de shale, grès et calcaire
-  Domaine de conglomérat et grès
-  Domaine d'intrusion felsique
-  Domaine d'intrusion mafique
-  Masque

Variabilité spectrale sur le territoire



MNF432

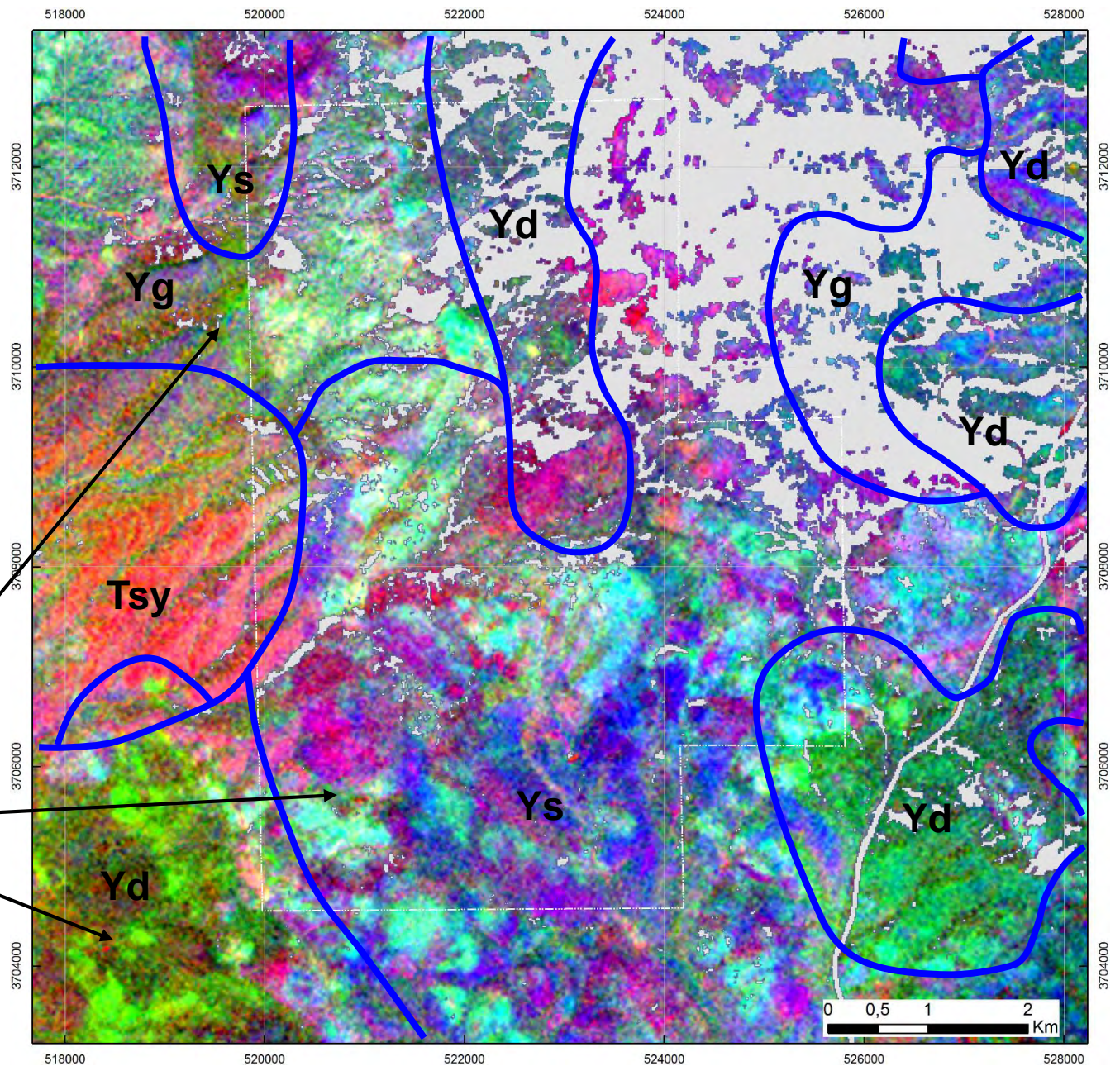
MNF

Tendances spectrales régionales
Données VNIR et SWIR (9 bandes) en réflectance
avec correction topographique

 Contour géologique (Géologie Arizona)

Variabilité spectrale au sein des
domaines lithologiques
→ variation lithologie et empreinte
d'altération

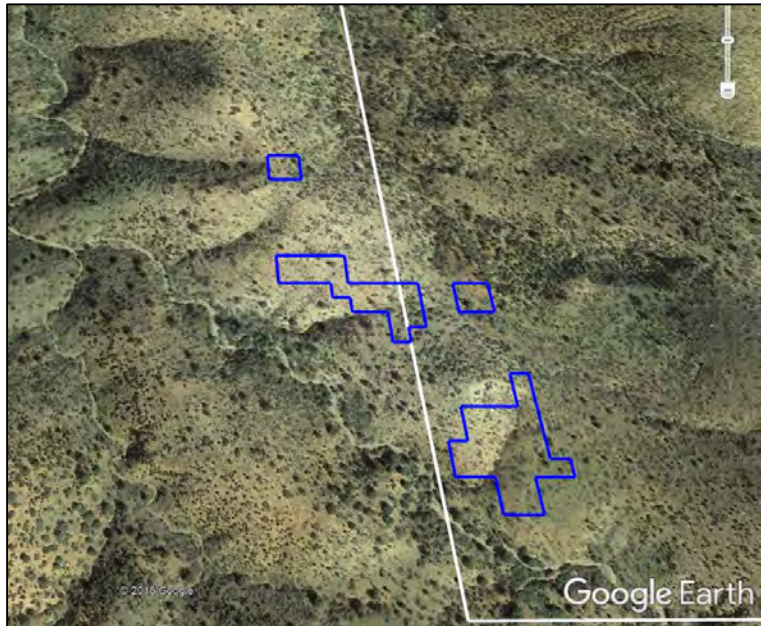
Pas de point de contrôle géochimique ou d'affleurement



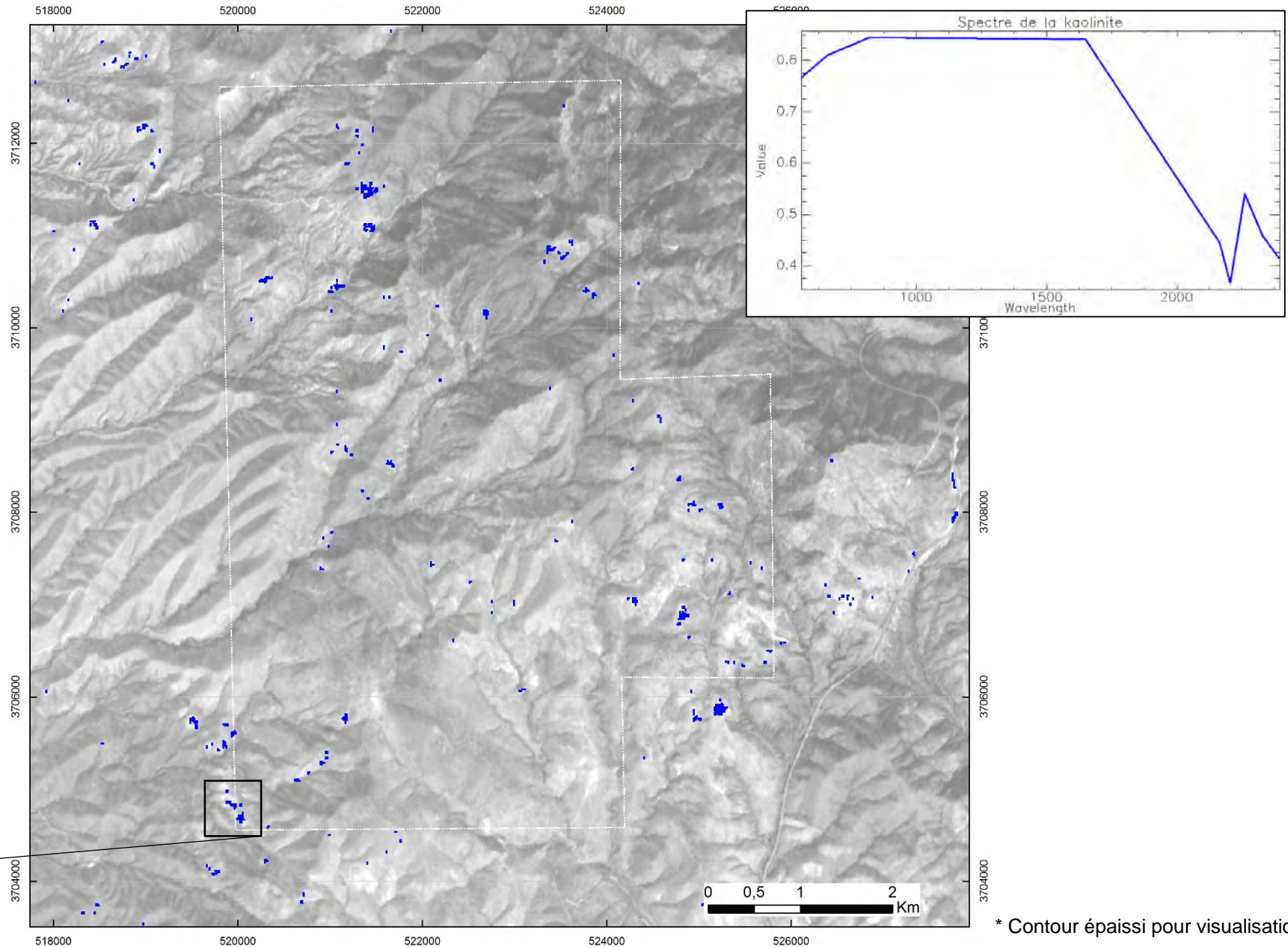
MNF432

Cartographie minérale

Kaolinite
(abondance supérieure à 10%)



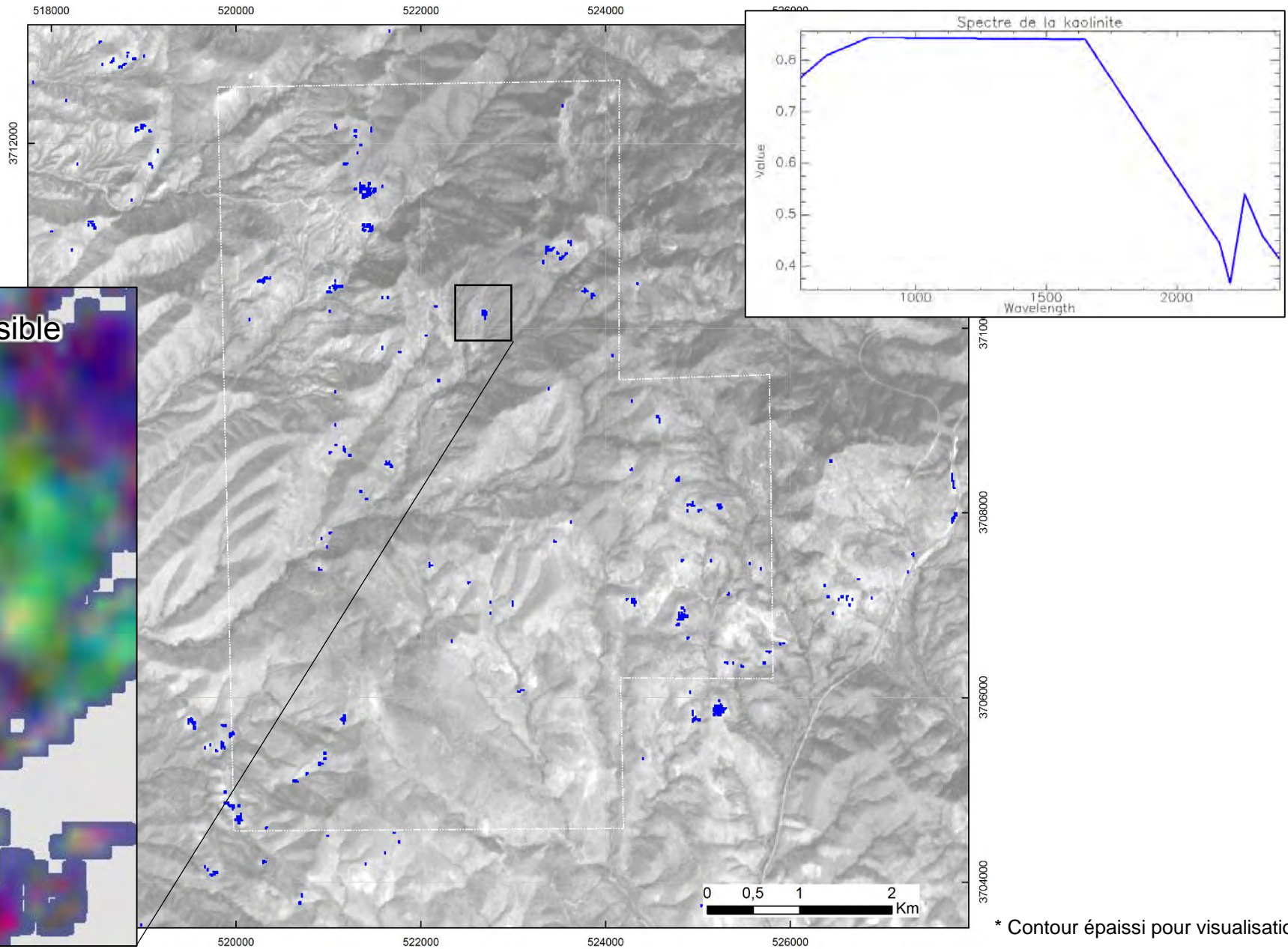
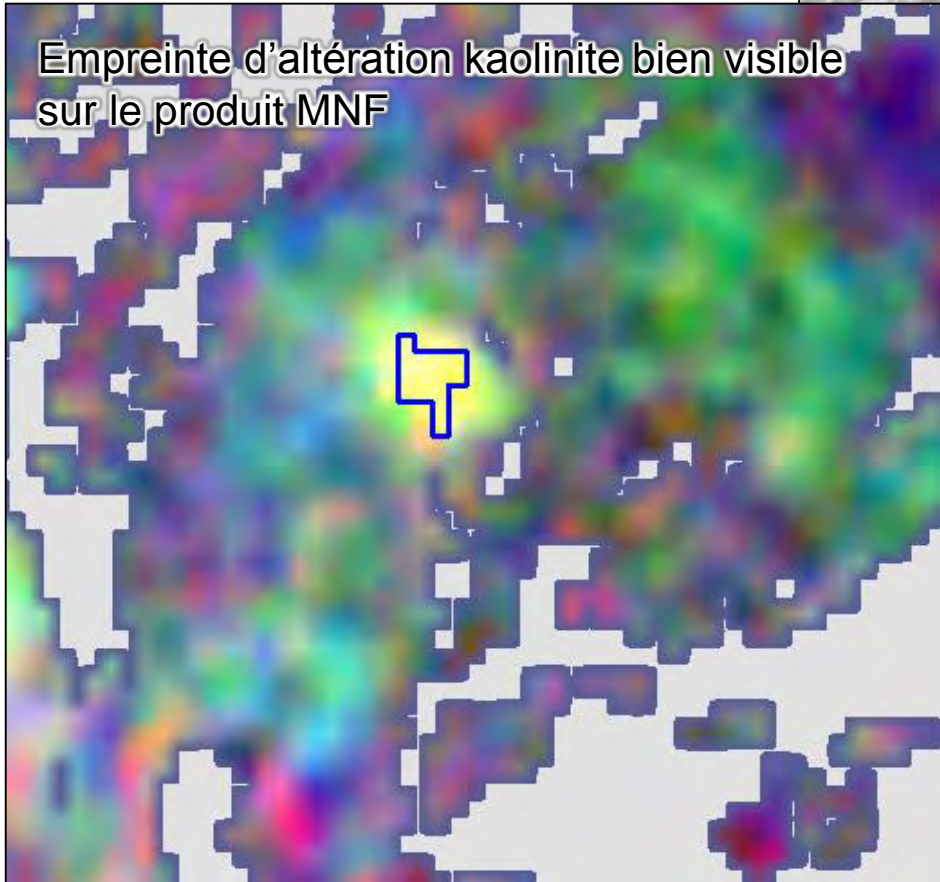
Discrimination visuelle de la kaolinite



Cartographie minérale

Kaolinite
(abondance supérieure à 10%)

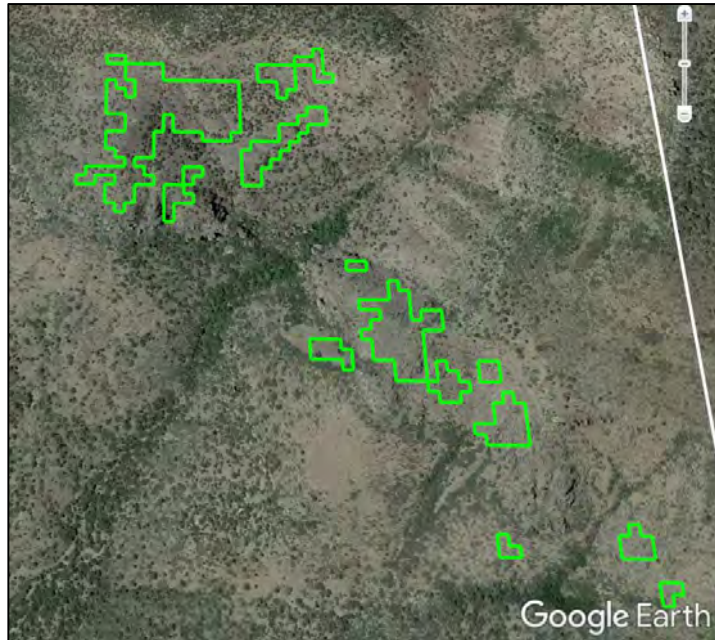
Empreinte d'altération kaolinite bien visible sur le produit MNF



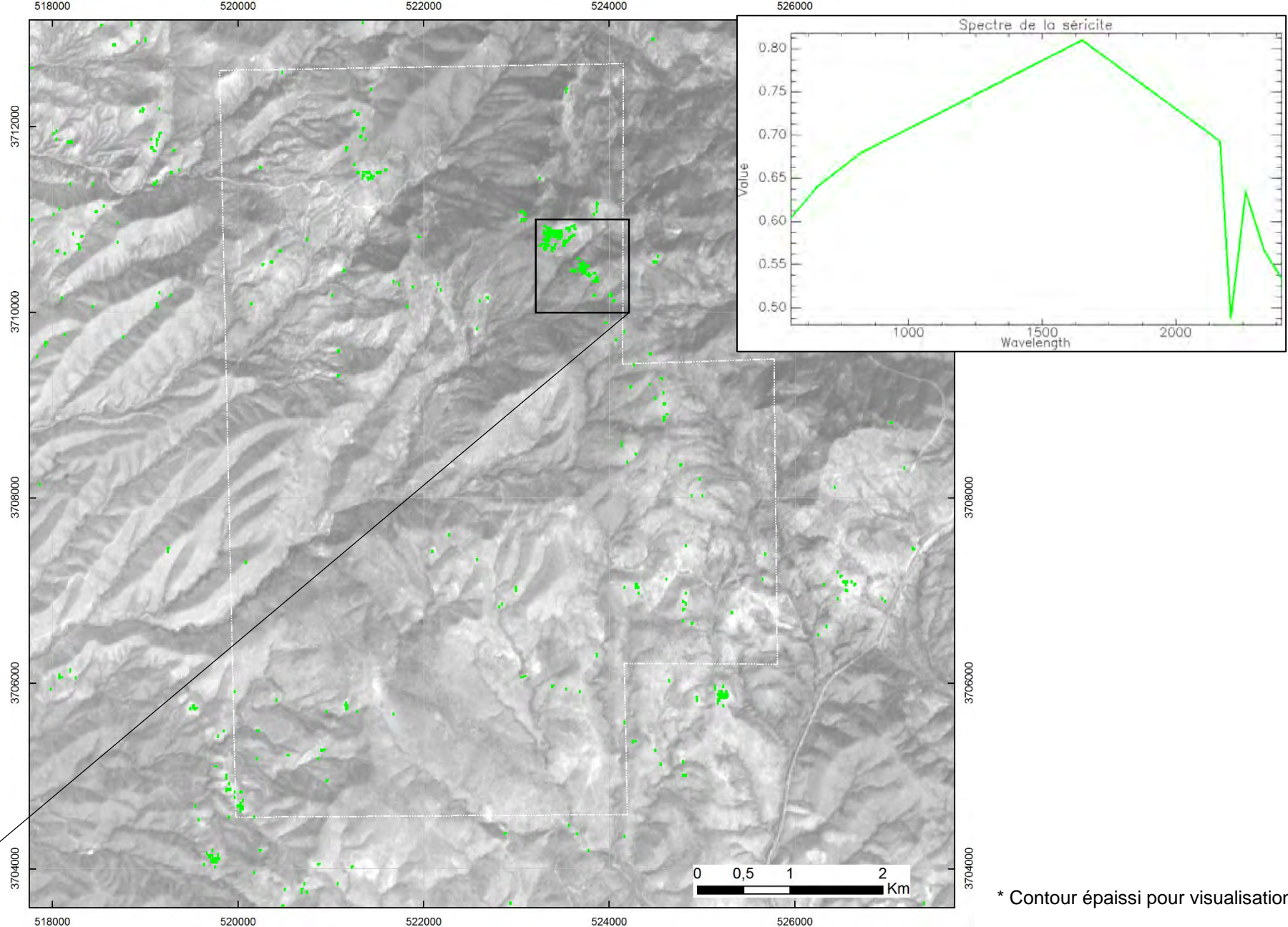
* Contour épais pour visualisation

Cartographie minérale

Séricite
(abondance supérieure à 10%)



Peu de discrimination visuelle de la séricite



* Contour épais pour visualisation

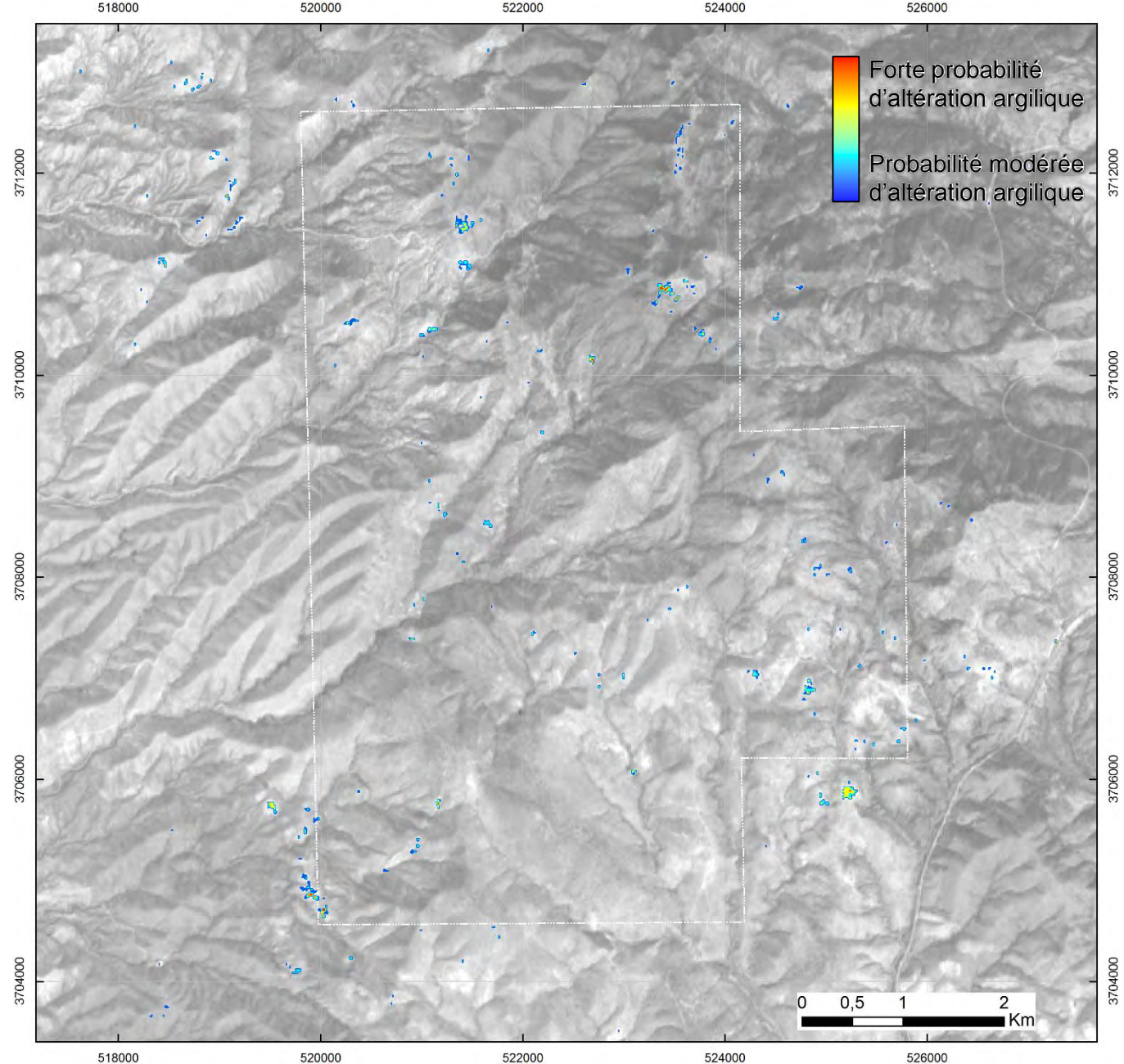
Cartographie d'altération

Interprétation des zones altérées:

intégration des minéraux, reconnu par quatre méthodes d'analyse, associés à une altération spécifique.

Pour l'altération argilique:

- Alunite (méthode 1, 2, 3, 4)
- Kaolinite (méthode 1, 2, 3, 4)
- Dickite (méthode 1, 2, 3, 4)
- Montmorillonite (méthode 1, 2, 3, 4)



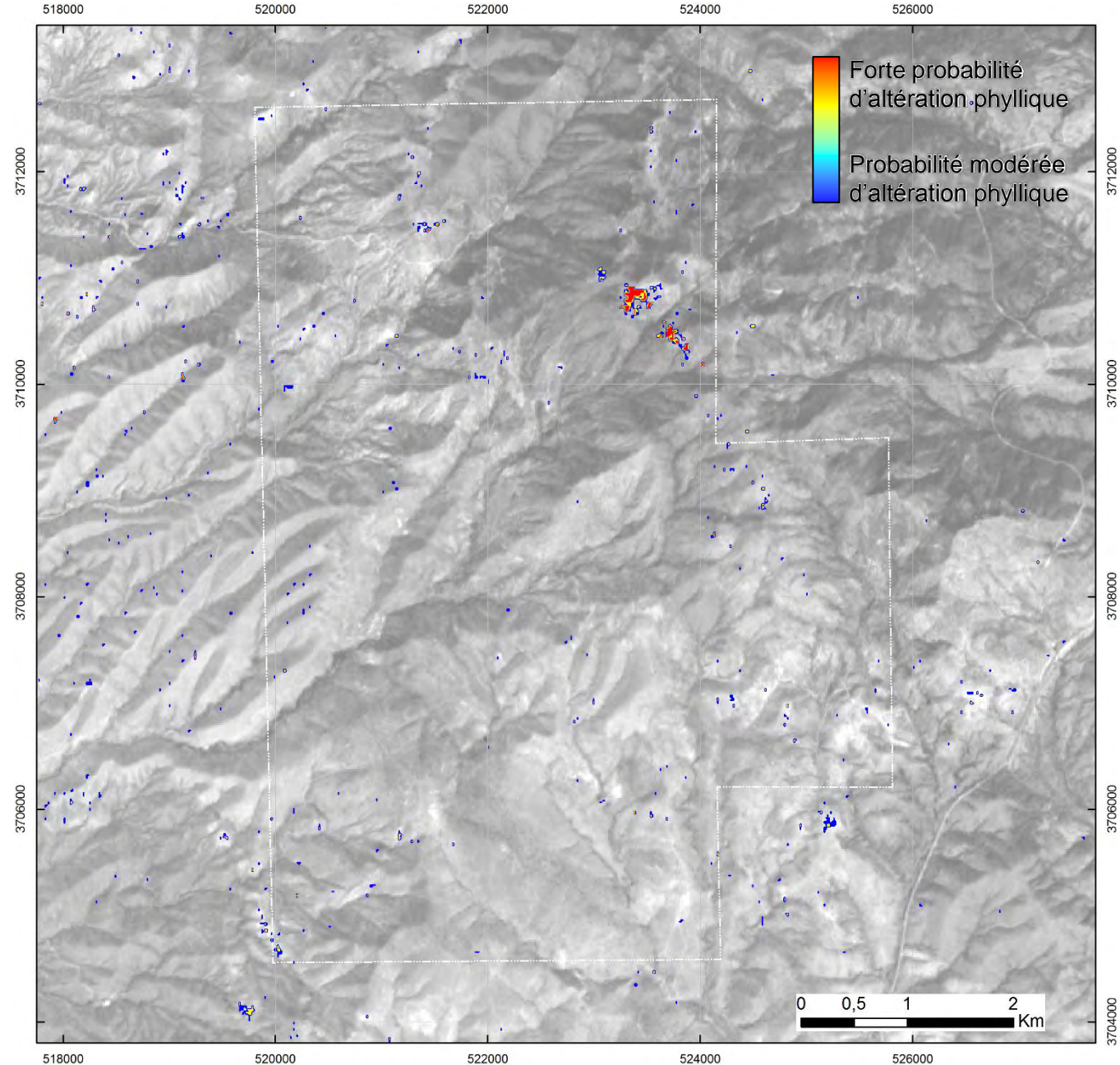
Cartographie d'altération

Interprétation des zones altérées:

intégration des minéraux, reconnu par quatre méthodes d'analyse, associés à une altération spécifique.

Pour l'altération phyllique:

- Muscovite (méthode 1, 2, 3, 4)
- Illite (méthode 1, 2, 3, 4)



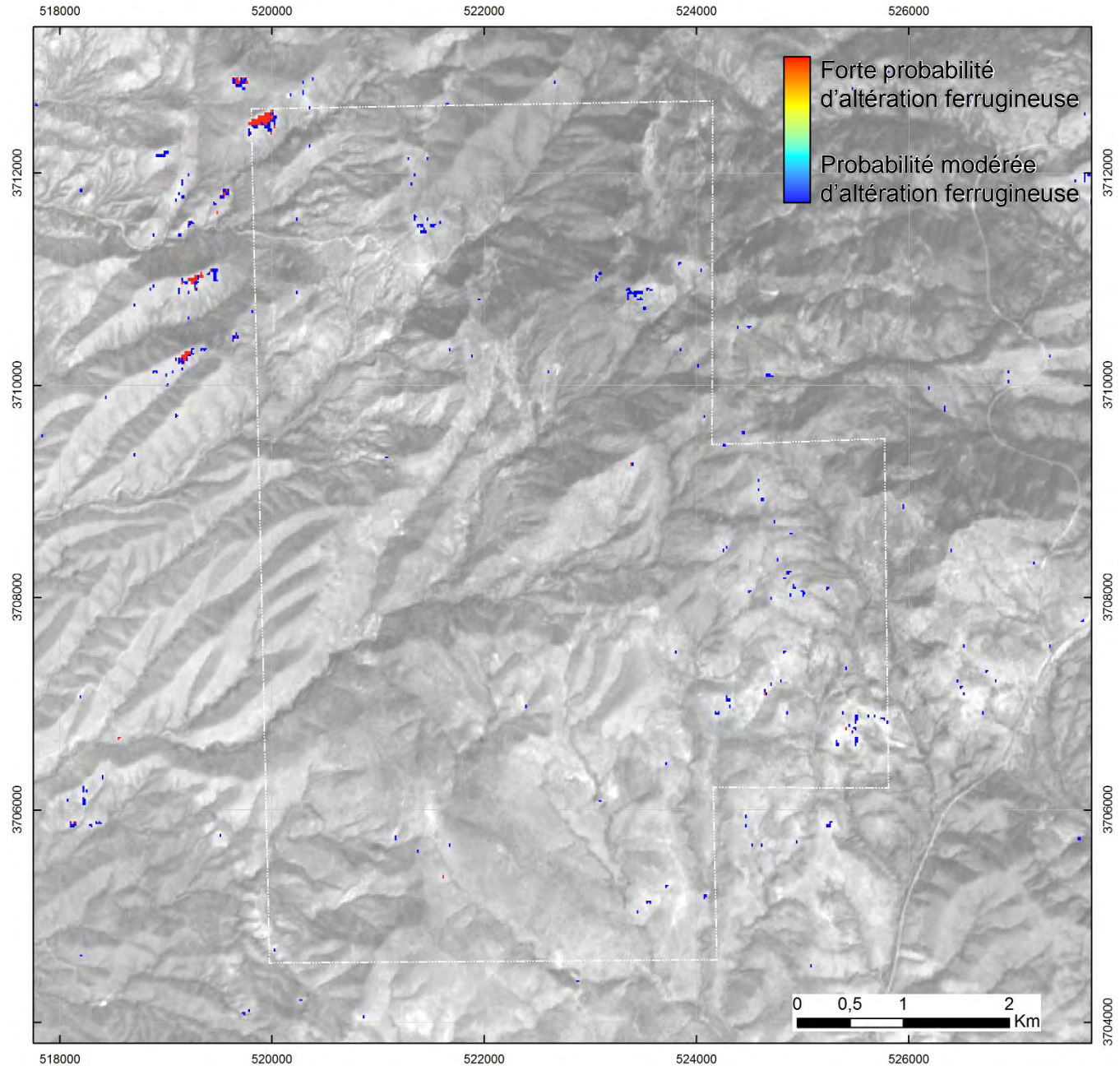
Cartographie d'altération

Interprétation des zones altérées:

intégration des minéraux, reconnu par quatre méthodes d'analyse, associés à une altération spécifique.

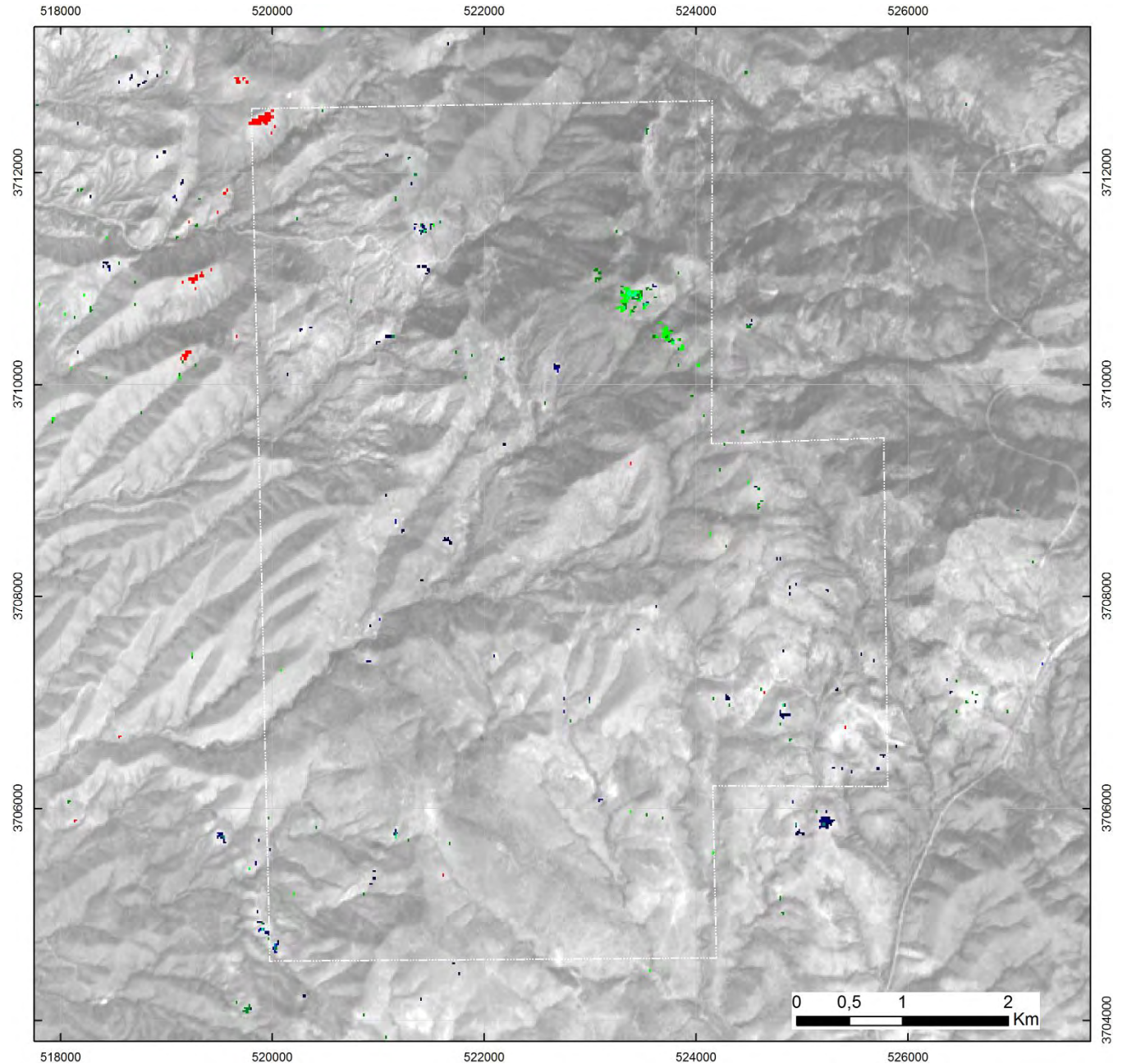
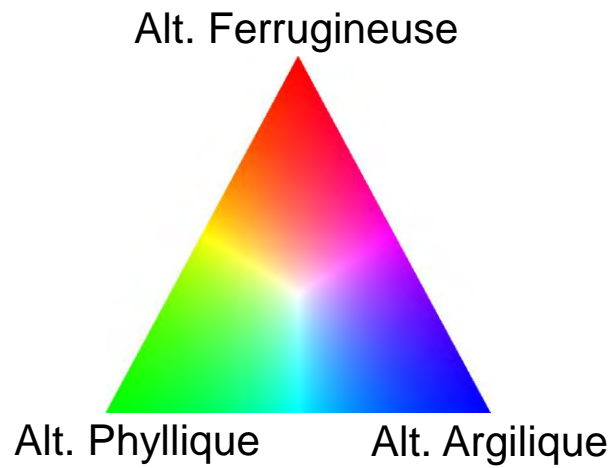
Pour l'altération ferrugineuse:

- Jarosite (méthode 1, 2, 3, 4)
- Limonite (méthode 1, 2, 3, 4)



Cartographie d'altération

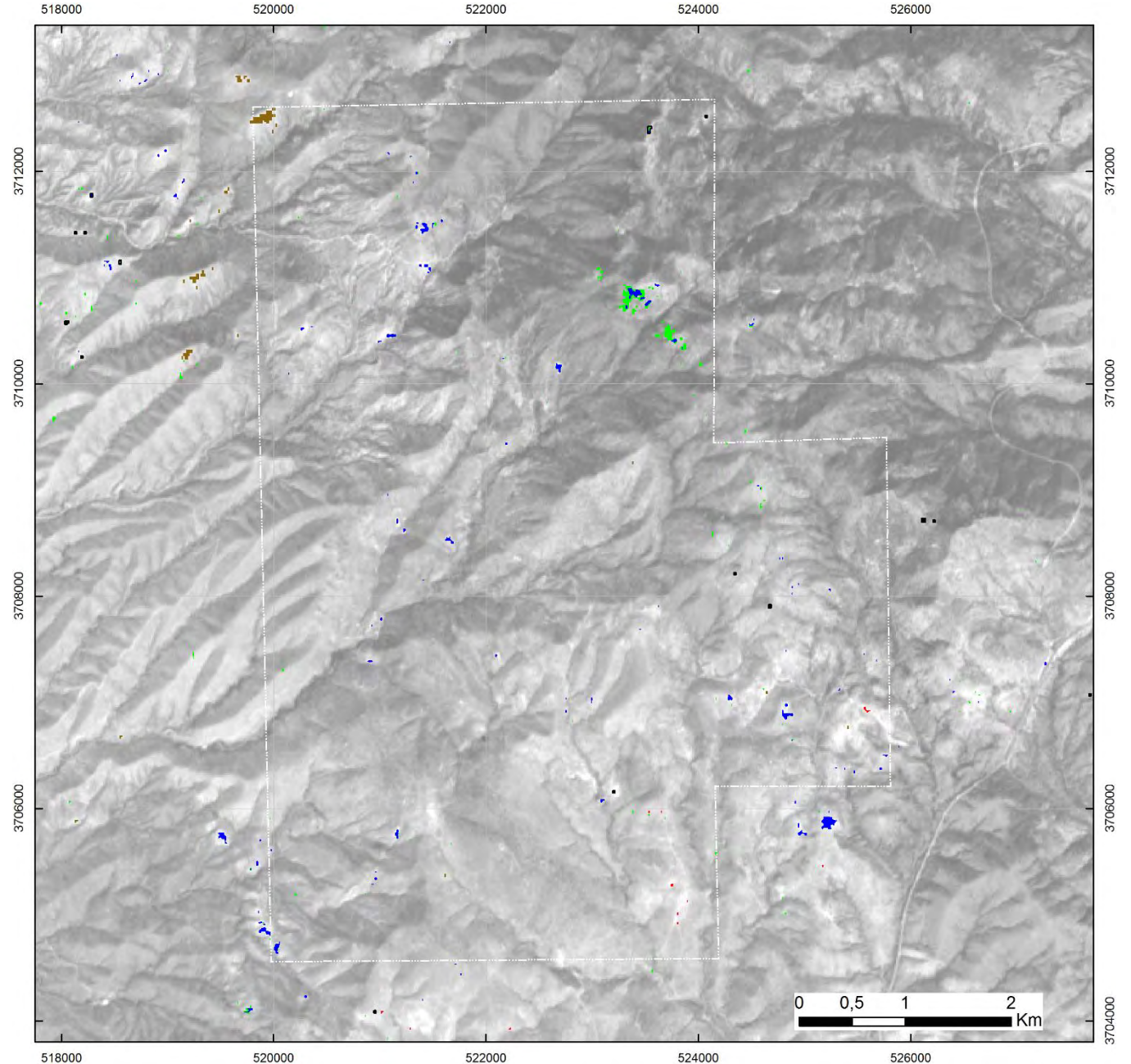
Distribution des altérations probables



Cartographie d'altération

Distribution des plus fortes probabilités d'occurrence des altérations argiliques, phylliques, ferrugineuses, carbonatées et siliceuses → reconnu par au moins 2 méthodes

-  Altération argilique
-  Altération phyllique
-  Altération ferrugineuse
-  Altération carbonatée
-  Altération siliceuse





Intégration géologique

→ Relation entre minéraux et éléments lithologiques, géochimiques et structuraux

Intégration géologique

- Altération argilique
- Altération phyllique
- Altération ferrugineuse

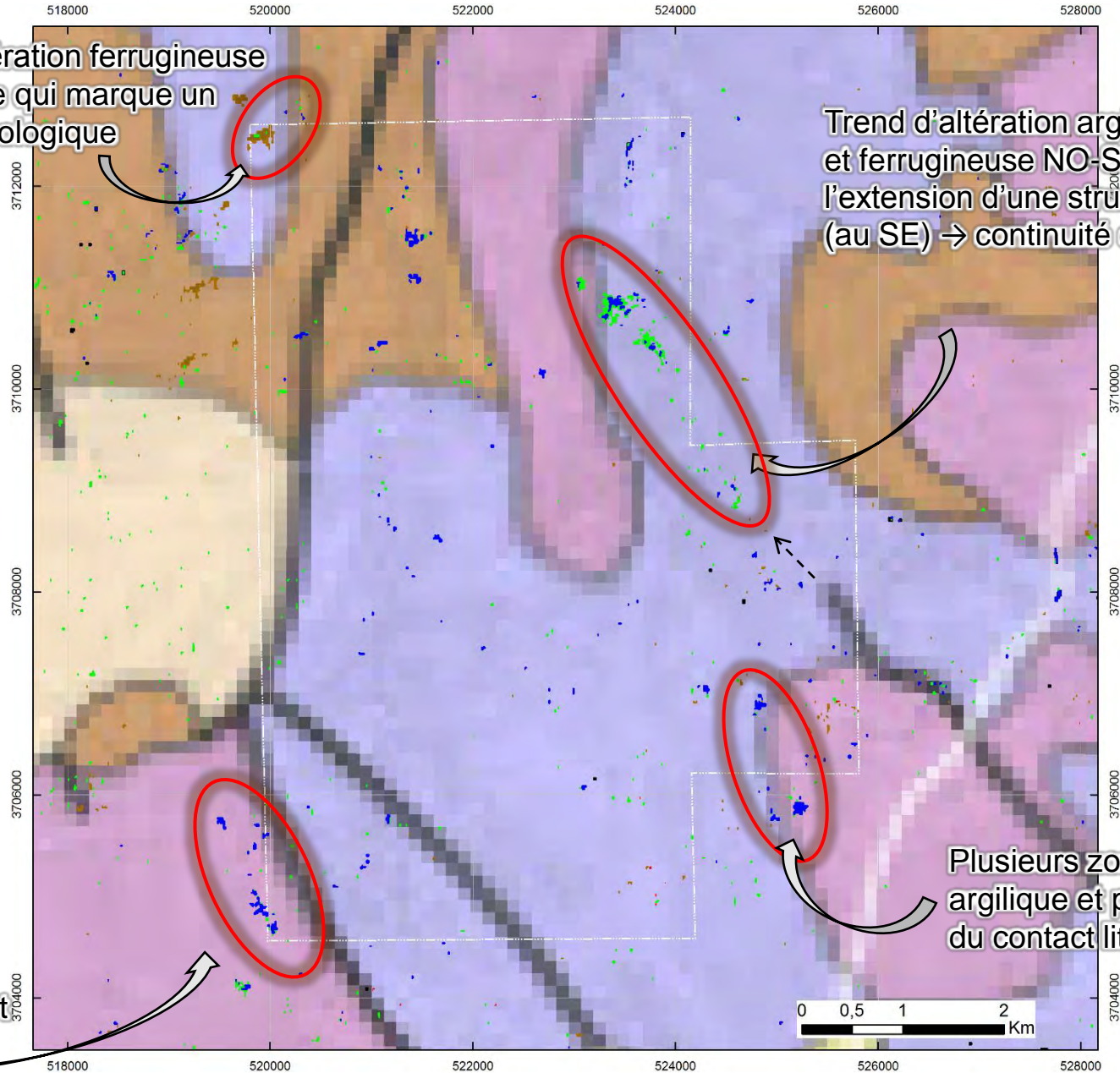
- Tsy Conglomérat et grès (2 – 16 Ma; Miocene)
- Ys Shale, grès et calcaire (700 – 1300 Ma; Protéro.)
- Yd Intrusion mafique (diabase) (1050 – 1150 Ma; Protéro.)
- Yg Granite à bt porphyrique (1400 – 1450 Ma; Protéro.)

Zone d'altération ferrugineuse et phyllique qui marque un contact lithologique

Trend d'altération argilique, phyllique, et ferrugineuse NO-SE dans l'extension d'une structure majeure (au SE) → continuité de la structure?

Trend d'altération argilique et phyllique NNO parallèle au contact lithologique / faille.

Plusieurs zones d'altération argilique et phyllique le long du contact lithologique

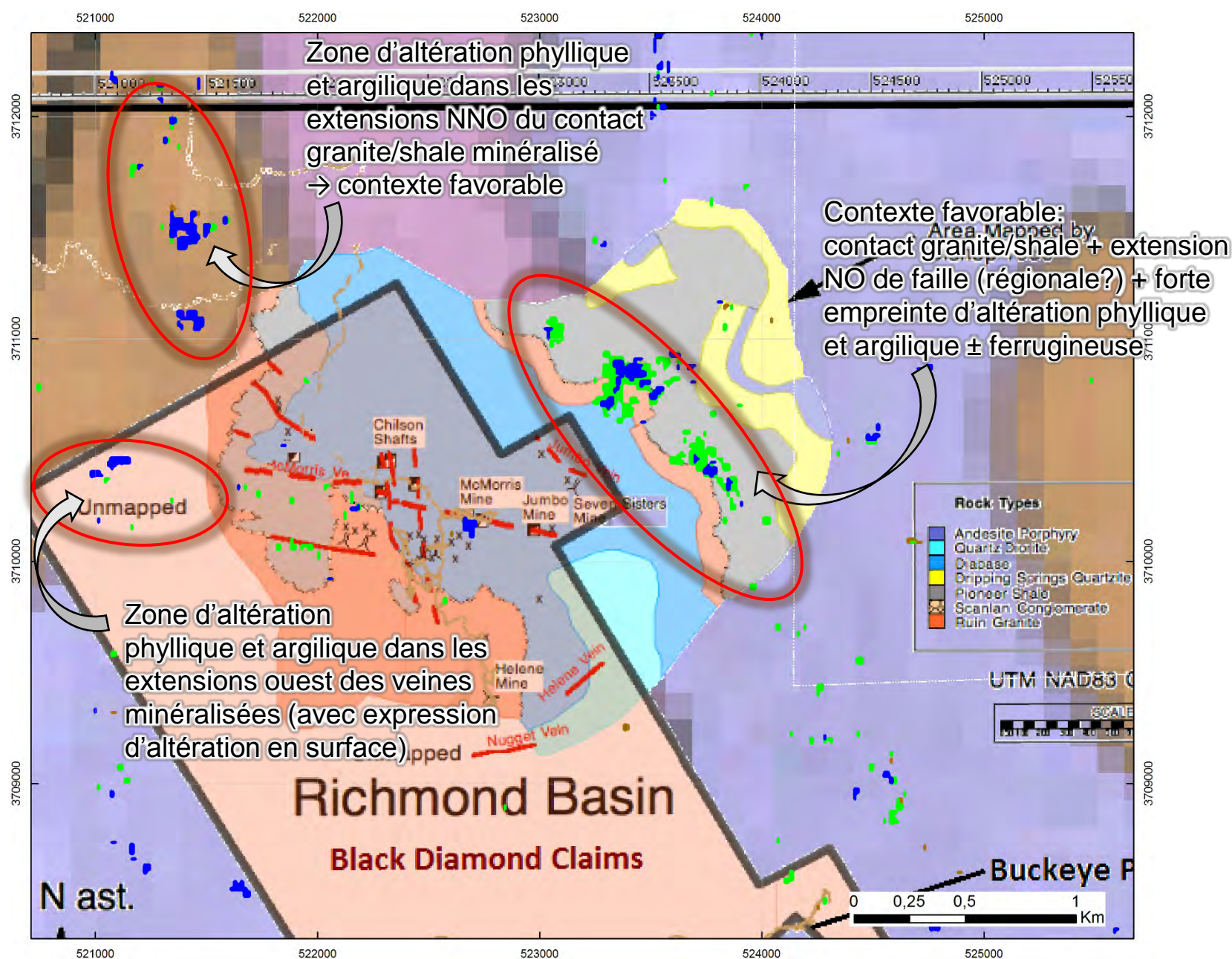


Intégration géologique

- Altération argilique
- Altération phyllique
- Altération ferrugineuse

Contexte des minéralisations:

- Régional: minéralisations Cu-Mo au contact granite/sédiment schisteux protérozoïque; altération séricite (source: Data Metallonegica – Miami-Inspiration deposit)
- Local: veines Ag-Au-Pb-Cu distribuées en bordures du granite de Ruin, à proximité des shales schisteux de Pioneer. Présence d'altération phyllique et argilique en surface



Intégration géologique

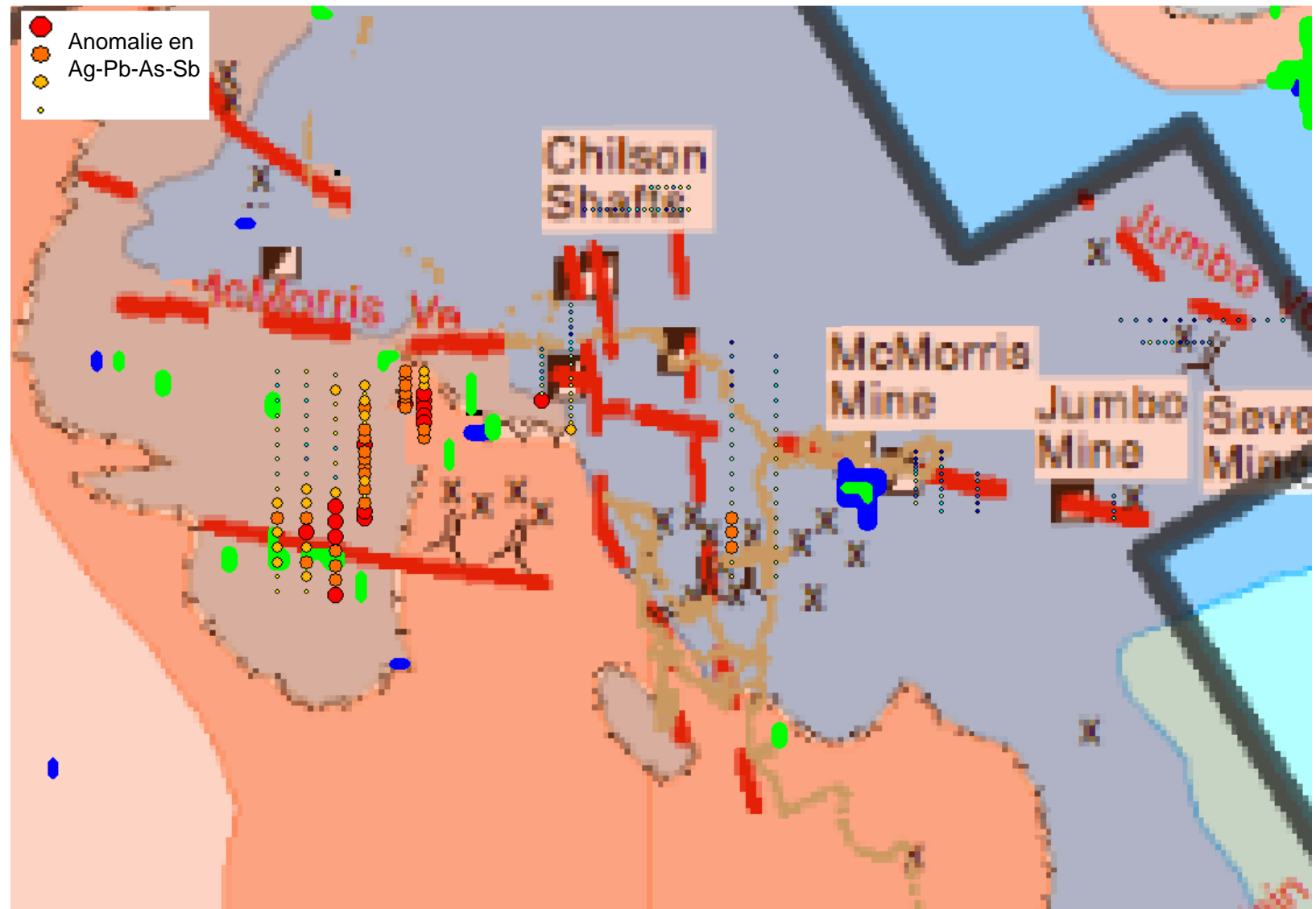
- Altération argilique
- Altération phyllique

Géochimie de sol

Statistique de corrélation (matrice de corrélation et ACP)

- Ensemble corrélé Ag-Pb-As-Sb
- Ensemble corrélé Cu-Zn
- Au (seul)

Faible couverture en géochimie de sol.
Les zones anomales en Ag-Pb-As-Sb se trouvent sur, ou à proximité, de zones d'altération phyllique et argilique.



Recommandations

- Établir un portait structural de la propriété:
Les veines sont distribuées selon des axes ESE et N-S, qui pourraient marquer deux éléments structuraux important quant à la compréhension des systèmes minéralisés sur la propriété. De plus, des trends d'altération NO-SE suggèrent à nouveau un contrôle structural sur la distribution des altérations.
- Réaliser un mandat de validation spectrale et d'observation structurale de terrain:
 - Validation spectrale: une phase de mesure de données spectrales sur le terrain permettrait de collecter des signatures de référence spécifiques à la propriété, afin, par la suite, de raffiner l'interprétation des minéraux et des altérations.
 - Observation structurale: une phase d'observation structurale (plus largement géologique) sur le terrain pour établir un portrait structural de la propriété afin de mieux comprendre le contrôle sur les minéralisations.

Livrables du 17 janvier 2018

Produits	Livrables du 19 décembre	Livrables du 17 janvier
Bandes spectrales corrigées	9 bandes VNIR et SWIR. Format geotif	Mêmes produits – relivré.
Produit MNF (bon pour analyse statistique)	MNF 432. Format geotif	MNF432 avec correction topographique. Format geotif (layer file)
Composés couleurs (produit visuel)	ASTER321 et ASTER431. Format geotif	Mêmes produits – relivré.
Produit topographique	10m de résolution. Format csv et geotif	Même produit – relivré.
Cartographie des minéraux	alunite, kaolinite, montmorillonite, muscovite, illite, calcite, chlorite, epidote, jarosite (limonite) et quartz. Format shapefile (layer file)	Révisé: alunite, kaolinite, dickite, montmorillonite, muscovite, illite, calcite, jarosite (limonite) et quartz. Chlorite et épidote non livrés car minéraux trop dépendants des composantes topographiques. Format shapefile (layer file)
Cartographie des altérations	argilique, phyllique, carbonatée, propylitique, ferrugineuse, siliceuse. Format shapefile.	argilique, phyllique, carbonate, ferrugineuse, quartz. Propylitique (chlorite-épidote) non livrée car altération trop dépendante des composantes topographiques. Format geotif (layer file) et shapefile (layer file).
Présentation des résultats	Présentation pdf	Nouvelle présentation pdf

Appendix C1

Black Copper Sample Descriptions

SAMPLE RECORD

Property

Iron Nugget, Black Copper
Gila Co, AZ

Sampler

N. BARR

Sample #	Location	Type	Description	Au opt	Ag opt	Cu %	Pb ppm	Zn ppm
70551	0522770E 3707960N	Rep. Grab	4-5' Vert structure at diabase - Qtz Diorite contact, gossan + mass magnetite + Ox Cu	0.06 opt	0.50 opt	1.029 %		
70552	0522672E 3707788N	Grab stKpile	+ 4' open cut expos. mass magnetite + Ox Cu at silicif. limestone contact - rep grab stK pile	0.011 opt	0.202 opt	2.354 %		
70553	0522672E 3707785N	Select Grab	Select mass magnetite + stg Ox Cu (mal-chry) as frac coating & thin seams	0.052 opt	0.205 opt	5.584 %		
70554	0522896E 3707871N	3' chip	3' avg frag breccia in Qtzite, stg lim-hem matrix, var silicif.	0.001 opt	0.05 opt	0.070 %		
70555	0522560E 3707774N	2' + chip	2' + shear at ls contact (?) Mass, pinch-swell magnetite + stg Ox Cu (end of upper road workings)	0.060 opt	0.05 opt	7.451 %		
70556	0522654E 3707785N	Rep. Grab	Dump - open cut/shaft at Ls - Qtz Diorite contact, mass magnetite + Ox Cu	0.040 opt	0.052 opt	2.384 %		
70557	0522638E 3707793N	Adit Dump Select	Mass magnetite + gossan + stg Ox Cu (Mal + Chry)	0.052 opt	0.057 opt	7.070 %		
70558	0522532E 3707770N	2' chip	Mass magnetite + goss + Ox Cu at Qtzite/Ls contact	0.076 opt	0.05 opt	1.363 %		
18004	rep grab mag - Ox Cu workings IRON NUGGET	grab	rep grab from stKpile mass magnetite + stg frac seam Ox Cu (mal + chry)	2794 ppb	8.46 ppm	3.64 %	89 ppm	457 ppm

SAMPLE RECORD

Property Iron Nugget, Black Copper
Gila Co., AZ

Sampler

N. BARR

Sample #	Location	Type	Description	ANALYSIS				
				Ag	Cu	Pb	Zn	Mn
70579	NAD83 0521955E 3707508N	Rep. Grab	Vertical, N80E 5-6' STG ox structure in Qtzite. Peru gossan. Large Adit dump, lim + FeOx + Silicif. V. Breccia As? ox (green) Stg MnOx	1.4	2700	3.35	5410	1.98
70580	0521955E 3707111N	Rep. Grab	Rep Grab - same adit dump as 70579	1.2	2990	4.74	7260	2.86
70581	0522047E 3707129N	Discont. Chip	STG lim, drusy E-w vert gtz vnlts in silicif limestone, black oxider local galena	20.4	1670	6.33	7220	2090
70582	0522047E 3707129N	Same location	5' chip E-w vert gtz vnlts zone, black oxides + galena	19.4	733	2.59	2.47	1680
70607	0522612E 3707609N	Rx chip	1.5' Lim - drusy gtz bx, L's host silicif + OxCu + AgCl? low-med bedding control → silicif?	17.4	2500	2.43	1540	348
70608	0522479E 3707664N	Rx chip	3' silicif ls / vuggy - drusy gtz bedding control 18-20° south OxCu, AgCl? galena + Zn(?)	66.8	2890	10.35	5880	622
70609	0522410E 3707690N	Select Shaft Collar	Shallow decline (49°) on silicif contact Ls / Qtzite, 1-2 m zone goss / sil + Cu + Pb ± Ag	7.8	1140	2300	1430	514
70610	0522348E 3707691N	Prospects w. most mag-cuox showing	poor expos - massive magnetite + OxCu, stKpiled material near contact gtzite / ls	3.0	4.33	66	743	3290
70611	0522269E 3707689N	20' chip	20' disc chip, pale hem matrix gtzite Bx OC, sol st., wk-med ox	20.2	700	58	42	116
70612	0522661E 3707747N	3' chip	3' alt Ls / Qtz Diorite contact lim-hem matrix, wk silicif. black oxides?	3.0	314	2540	2040	1630

Far West End for correct addressings ↑
ALS Minerals ↓

ALS Minerals

magnetite + OxCu

SAMPLE RECORD

Property Iron Nugget, Black Copper
Gila Co., AZ

Sampler N. BARR

Sample #	Location	Type	Description	Au opt	Ag st	Cu PPM	Pb PPM %	Zn PPM %	As PPM
70613	0522645E NAD 83 3707704N	4' disc chip	Silicif ls BX, mod-stg lim-hem steep w. dip ls bedding xcutting? silicif.	↑	<0.2	132	408	799	155
70614	0522620E 3707642N	2' chip	Sheared ls, pale orange, soft	57	<0.2	35	88	225	34
70615	0522632E 3707635N	2 zones 3' wide	Vert. N. trending silicif shears in ls lim-hem gtz BX FLT	3	1.1	1985	114	447	127
70616	0522649E 3707652N	2' chip	Mylonitic FLT face in hem ox Qtzite at gtzite/ls contact	↓	0.4	72	716	361	108
70617	0522633E 3707772N	3-4' chip	vert silicif/ox zone at ls/gtzite contact? includes pale gtzite BX	.0058	23.8	4700	2540	2680	3750
70618	0522618E 3707772N	2' chip	at open cut/shaft collar mass magnetite + Ox Cu, seam hem carb + gtz units in ls	.0048	0.7	2.26 %	19	500	122
70619	0522608E 3707769N	6' chip	sheared gtzite BX, pale green ox? + Ox Cu, local stg Fe ox blk frac oxides(?)	.0021	0.2	3660	33	75	42
70620	0522618E 3707772N	2' + chip	dk brown, stg ox/silicif ls xcutting gtz units, tr magnetite + Ox Cu	.0345	3.6	1.07 %	606	1410	1280
70621	0522628E 3707774N	3' chip	Sheared/silicif. ls, H wall FLT face Cu oxides + pale green ox?	.0091	1.2	9130	75	301	204
70583	0522642E 3707673N	3.5' chip	Silicif ls + lim at Qtz Diorite ls contact	.0026	.090	775	4160	5190	591

MIR FRALS

ALS

mmmm

Appendix C2

Black Copper Assay Certificates

FAX. (520) 622-3845



PH. (520) 622-0813

Jacobs Assay Office
Registered Assayers, Estab. 1880
1435 S. 10th Ave. Tucson, AZ 85713
jacobsassayoffice@yahoo.com

Nick Barr

April 12, 2011

Job: #011

CERTIFICATE of ASSAY

Sample ID	Au oz/t	Ag oz/t	Cu %
70551	0.060	0.50	1.029
70552	0.011	0.20	2.354
Duplicate	---	---	---
70553	0.052	0.20	5.584
70554	<0.001	0.05	0.070
70555	0.060	0.05	7.451
70556	0.040	<0.05	2.384
70557	0.052	<0.05	7.070
70558	0.076	<0.05	1.363



Pulps will be held for six months. Rejects will be held for thirty days. A service charge of 1.5% per month will be charged on all past due accounts.



ACCURASSAY
LABORATORIES

Trueclaim

Friday, May 27, 2011

Certificate of Analysis

Trueclaim Exploration
One London Place, 255 Queens Avenue
London, On,
N6A 5R8
Ph#: (519) 913-9008
Fax#: (888) 686-1405
Email: cartera@sympatico.ca, bkomar@sympatico.ca

Date Received: 05/11/2011
Date Completed: 05/27/2011
Job #: 201110170
Reference:
Sample #: 4

Acc #	Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	As ppm	Co ppm	Cu ppm	Fe ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
18001	E5096665	5	38	<10		4.26			11	7			52	2440
18002	E5096666	15	23	<10		>2000.00			93894				3753	10639
18003	E5096667	6	<15	<10		>2000.00			83123	Buckeye			943	3301
18004	E5096668	2794	<15	<10		8.46			36438	IRON NUGGET			89	457
18005Dup	E5096668	2873	23	<10		7.65			37637				89	457

PROCEDURE CODES: ALP1, ALPG2, ALCuAR1, ALAgAR1, ALPbAR1, ALZnAR1, ALMA2, AISu1

Certified By: 
Jason Moore, General Manager

The results included on this report relate only to the items tested
The Certificate of Analysis should not be reproduced except in full,
without the written approval of the laboratory



ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver, BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

CERTIFICATE RE11158312

Project: Richmond Basin

P. O. No.:

This report is for 215 Rock samples submitted to our lab in Reno, NV, USA on 16-AUG-2011.

The following have access to data associated with this certificate:

NICK BARR

KOMARECHKA BOB

SKIP HAMILTON

To: TRUECLAIM EXPLORATION
ONE LONDON PLACE
255 QUEENS AVE, SUITE 1000
LONDON ON N6A 5R8

Page: 1
Finalized Date: 12-SEP-2011
This copy reported on
23-SEP-2011
Account: TRCLUS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-21	Crush entire sample > 70% - 6 mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Ag-OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor, or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available

To: TRUECLAIM EXPLORATION
ATTN: NICK BARR
P.O. BOX 6688
APACHE JUNCTION AZ 85178
USA

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7

Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRUECLAIM EXPLORATION
ONE LONDON PLACE
255 QUEENS AVE, SUITE 1000
LONDON ON N6A 5R8

Page: 2 - A
Total # Pages: 7 (A - C)
Finalized Date: 12-SEP-2011
Account: TRCLUS



Project: Richmond Basin

CERTIFICATE OF ANALYSIS RE11158312

Sample Description	Method Analyte Units	WEI-21 Recvd Wt. kg	ME-ICP41 Ag ppm	ME-ICP41 Au %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Gb ppm
70607	Au	1.76	17.4	0.18	669	<10	630	<0.5	<2	3.48	31.3	6	12	2500	1.74	<10
70608		1.46	86.8	0.04	1610	<10	40	<0.5	2	3.10	89.7	25	14	2890	5.23	<10
70609		1.62	7.8	0.11	794	<10	220	1.5	<2	3.09	7.9	20	14	1140	4.29	<10
70610		1.84	3.0	0.29	77	80	20	<0.5	106	0.33	1.5	65	<1	>10000	40.5	10
70611		1.36	<0.2	0.11	10	<10	20	<0.5	<2	0.04	<0.5	2	14	700	0.74	<10
70612		1.58	3.0	0.07	264	<10	30	<0.5	<2	8.7	12.8	7	8	314	2.10	<10
70613		1.52	<0.2	0.08	155	<10	20	0.6	<2	7.8	3.6	3	11	132	2.32	<10
70614		1.54	<0.2	0.25	34	<10	20	<0.5	<2	19.9	0.6	3	3	35	0.78	<10
70615		1.52	1.1	0.16	127	10	100	0.7	6	13.0	1.2	14	3	1985	2.47	<10
70616		1.36	0.4	0.19	108	<10	630	<0.5	<2	0.56	4.0	2	17	72	1.04	<10
70617		1.86	23.8	0.10	3750	10	260	<0.5	<2	19.1	19.5	25	2	4700	5.06	<10
70618		2.32	0.7	0.13	122	40	30	<0.5	33	3.10	0.5	30	<1	>10000	31.9	<10
70619		2.62	0.2	0.83	42	10	60	0.5	5	12.1	<0.5	6	8	3660	3.10	<10
70620		2.22	3.6	0.08	1280	40	150	<0.5	16	8.4	6.7	22	3	>10000	16.4	10
70621		2.22	1.2	0.41	204	20	120	0.7	48	11.7	1.0	16	4	9130	7.18	10
70622		1.22	12.4	0.32	71	<10	30	1.2	702	0.12	1.0	57	9	1770	7.90	<10
70623		1.38	>100	0.62	1055	<10	150	2.2	98	0.33	13.7	21	16	4150	9.40	<10
70624		1.82	>100	0.55	1100	<10	150	2.1	101	0.29	14.5	22	16	5030	9.36	<10
70625		0.98	1.0	0.65	9	<10	80	1.2	<2	0.43	0.5	8	4	43	3.20	<10
70626		1.30	1.8	0.32	6	<10	80	<0.5	4	0.11	<0.5	5	6	47	1.89	<10
70627		1.76	17.4	0.57	107	<10	70	0.9	442	0.25	0.7	18	9	858	7.34	<10
70628		1.76	<0.2	1.25	3	<10	50	<0.5	<2	2.00	<0.5	5	4	14	2.42	<10
70629		1.02	>100	0.15	32	<10	2750	1.0	5	0.06	<0.5	12	9	612	6.52	<10
70630		1.22	>100	0.18	9	<10	2090	<0.5	2	0.08	0.6	<1	13	2890	0.85	<10
70631		1.34	>100	0.14	9	<10	130	<0.5	2	0.04	<0.5	1	11	>10000	1.39	<10
70632		0.76	6.1	2.02	2	<10	330	<0.5	<2	0.54	<0.5	5	5	47	2.98	10
70633		0.66	4.1	1.71	<2	<10	180	<0.5	<2	0.86	<0.5	5	5	73	2.80	10
70634		1.20	1.2	0.11	7	<10	1060	0.5	<2	0.07	1.4	37	8	28	12.8	<10
061801		2.62	>100	0.84	442	10	230	4.5	<2	0.40	8.0	37	21	2480	12.85	<10
061802		3.40	>100	0.73	119	<10	160	2.4	3	0.06	1.3	18	31	808	6.40	<10
061803		3.42	>100	0.50	79	<10	130	1.6	4	0.07	0.7	13	17	957	6.66	<10
061804		2.78	>100	0.53	244	<10	600	1.8	25	0.11	5.6	22	25	1460	7.49	<10
061805		4.08	>100	0.46	59	<10	3320	1.2	4	0.56	0.5	11	16	352	3.75	<10
061806		3.16	70.1	0.54	63	<10	150	2.3	4	0.10	1.8	22	18	627	6.70	<10
061807		2.36	>100	0.62	281	<10	120	2.3	85	0.11	5.3	29	30	1725	9.70	<10
061808		2.72	75.8	0.78	78	<10	80	2.1	22	0.16	2.8	32	38	1395	8.22	<10
061809		1.80	>100	0.54	135	<10	70	1.7	61	0.12	1.8	19	24	822	6.79	<10
061810		2.86	>100	0.63	267	<10	190	2.0	41	0.12	2.6	19	23	1140	7.26	<10
061811		2.22	>100	0.49	81	<10	3920	1.8	2	0.08	0.5	16	21	591	5.30	<10
061812		2.16	>100	0.48	75	<10	2890	1.6	14	0.04	1.0	13	22	450	5.75	<10

Project: Richmond Basin

minerals

CERTIFICATE OF ANALYSIS RE11158312

Sample Description	Method Analyte Units LOR	Hg ppm	ME-ICP41 %	K %	ME-ICP41 ppm	La ppm	ME-ICP41 %	Mg %	ME-ICP41 ppm	Mn ppm	ME-ICP41 ppm	Mo ppm	ME-ICP41 %	Na %	ME-ICP41 ppm	Ni ppm	ME-ICP41 ppm	P ppm	ME-ICP41 ppm	Pb ppm	ME-ICP41 ppm	S %	ME-ICP41 ppm	Sb ppm	ME-ICP41 ppm	Sc ppm	ME-ICP41 ppm	Sr ppm	ME-ICP41 ppm	Th ppm
70607		2	0.10	0.03	348	<10	0.89	0.01	20	348	20	<10000	<0.01	0.01	9	9	200	200	>10000	>10000	>10000	0.03	661	661	<1	<1	132	<20		
70608		2	0.01	0.04	622	<10	1.11	0.01	44	622	44	<10000	0.01	0.01	16	16	240	240	>10000	>10000	>10000	0.07	385	385	<1	<1	137	<20		
70609		<1	0.03	0.05	514	<10	1.77	0.01	28	514	28	<10000	0.01	0.01	29	29	300	300	2300	2300	2300	0.02	348	348	1	1	17	<20		
70610		<1	0.02	0.05	3280	<10	4.16	0.01	13	3280	13	<10000	0.01	0.01	31	31	130	130	66	66	66	0.01	15	15	1	1	5	<20		
70611		<1	0.04	0.07	116	<10	0.04	0.01	<1	116	<1	<10000	<0.01	<0.01	2	2	100	100	58	58	58	<0.01	2	2	<1	<1	3	<20		
70612		<1	0.03	0.04	1630	<10	3.96	0.01	4	1630	4	<10000	0.01	0.01	8	8	140	140	2540	2540	2540	0.01	75	75	1	1	52	<20		
70613		<1	0.04	0.05	502	<10	3.44	0.01	2	502	2	<10000	0.01	0.01	8	8	90	90	408	408	408	<0.01	17	17	<1	<1	102	<20		
70614		<1	0.05	0.07	779	<10	9.79	0.01	<1	779	<1	<10000	0.01	0.01	4	4	150	150	88	88	88	<0.01	3	3	2	2	107	<20		
70615		<1	0.05	0.07	2760	<10	6.75	0.01	2	2760	2	<10000	0.01	0.01	10	10	80	80	114	114	114	0.02	88	88	1	1	199	<20		
70616		<1	0.07	0.09	565	<10	0.07	0.01	1	565	1	<10000	<0.01	<0.01	2	2	80	80	716	716	716	0.02	19	19	<1	<1	11	<20		
70617		6	0.03	0.04	3260	<10	5.66	0.01	12	3260	12	<10000	0.01	0.01	17	17	200	200	2540	2540	2540	0.01	4970	4970	1	1	89	<20		
70618		<1	0.01	0.02	2130	<10	2.60	0.01	3	2130	3	<10000	0.01	0.01	<1	<1	30	30	19	19	19	0.02	47	47	<1	<1	15	<20		
70619		<1	0.07	0.09	474	<10	1.08	0.01	<1	474	<1	<10000	0.01	0.01	3	3	540	540	33	33	33	0.01	32	32	2	2	48	<20		
70620		<1	0.02	0.03	2830	<10	1.67	0.01	10	2830	10	<10000	0.02	0.02	3	3	230	230	606	606	606	0.06	409	409	<1	<1	57	<20		
70621		<1	0.05	0.07	1420	<10	1.04	0.01	4	1420	4	<10000	0.01	0.01	5	5	920	920	75	75	75	0.01	56	56	2	2	52	<20		
70622		<1	0.13	0.16	298	<10	0.16	0.01	88	298	88	<10000	0.01	0.01	83	83	210	210	88	88	88	0.03	13	13	1	1	7	<20		
70623		3	0.29	0.36	1065	<10	0.11	0.01	63	1065	63	<10000	0.01	0.01	33	33	1310	1310	4640	4640	4640	0.04	882	882	8	8	67	<20		
70624		3	0.27	0.34	1020	<10	0.10	0.01	61	1020	61	<10000	0.01	0.01	32	32	1260	1260	4870	4870	4870	0.05	670	670	8	8	59	<20		
70625		<1	0.14	0.17	376	<10	0.14	0.01	2	376	2	<10000	0.01	0.01	8	8	1070	1070	27	27	27	<0.01	2	2	2	2	20	<20		
70626		<1	0.23	0.28	182	<10	0.03	0.01	2	182	2	<10000	<0.01	<0.01	8	8	460	460	72	72	72	<0.01	2	2	2	2	4	<20		
70627		1	0.28	0.34	560	<10	0.08	0.01	15	560	15	<10000	<0.01	<0.01	17	17	1310	1310	1175	1175	1175	0.03	9	9	3	3	95	<20		
70628		1	0.29	0.36	919	<10	0.60	0.01	<1	919	<1	<10000	0.03	0.03	6	6	1080	1080	12	12	12	0.01	<2	<2	2	2	64	<20		
70629		<1	0.06	0.08	380	<10	0.02	0.01	8	380	8	<10000	<0.01	<0.01	4	4	130	130	433	433	433	0.10	6	6	5	5	203	<20		
70630		<1	0.12	0.15	59	<10	0.01	0.01	1	59	1	<10000	<0.01	<0.01	<1	<1	170	170	495	495	495	0.10	48	48	<1	<1	127	<20		
70631		1	0.09	0.11	57	<10	0.01	0.01	2	57	2	<10000	<0.01	<0.01	2	2	100	100	882	882	882	0.40	17	17	1	1	233	<20		
70632		<1	0.53	0.64	358	<10	0.74	0.01	<1	358	<1	<10000	0.14	0.14	1	1	960	960	9	9	9	0.46	<2	<2	7	7	163	<20		
70633		1	0.23	0.28	360	<10	0.26	0.01	<1	360	<1	<10000	0.19	0.19	1	1	1030	1030	6	6	6	0.31	<2	<2	1	1	110	<20		
70634		<1	0.02	0.03	3530	<10	0.07	0.01	5	3530	5	<10000	<0.01	<0.01	23	23	300	300	10	10	10	0.03	<2	<2	5	5	48	<20		
061801		<1	0.50	0.61	807	<10	0.13	0.01	15	807	15	<10000	<0.01	<0.01	102	102	1660	1660	556	556	556	<0.01	2020	2020	20	20	24	<20		
061802		<1	0.54	0.66	537	<10	0.07	0.01	8	537	8	<10000	<0.01	<0.01	79	79	340	340	1660	1660	1660	<0.01	111	111	17	17	10	<20		
061803		<1	0.34	0.41	396	<10	0.06	0.01	12	396	12	<10000	<0.01	<0.01	57	57	250	250	942	942	942	<0.01	31	31	10	10	10	<20		
061804		1	0.37	0.45	1430	<10	0.07	0.01	15	1430	15	<10000	<0.01	<0.01	68	68	400	400	1375	1375	1375	0.01	645	645	12	12	25	<20		
061805		1	0.27	0.33	442	<10	0.05	0.01	4	442	4	<10000	<0.01	<0.01	43	43	2460	2460	713	713	713	0.09	49	49	6	6	82	<20		
061806		1	0.39	0.47	618	<10	0.06	0.01	6	618	6	<10000	<0.01	<0.01	95	95	330	330	1360	1360	1360	<0.01	32	32	10	10	14	<20		
061807		1	0.45	0.54	1155	<10	0.09	0.01	18	1155	18	<10000	<0.01	<0.01	140	140	490	490	5470	5470	5470	<0.01	52	52	17	17	9	<20		
061808		1	0.57	0.69	1700	<10	0.11	0.01	11	1700	11	<10000	<0.01	<0.01	112	112	600	600	4000	4000	4000	<0.01	46	46	18	18	8	<20		
061809		1	0.40	0.48	919	<10	0.07	0.01	31	919	31	<10000	<0.01	<0.01	73	73	500	500	3540	3540	3540	<0.01	46	46	11	11	9	<20		
061810		1	0.44	0.53	533	<10	0.08	0.01	32	533	32	<10000	<0.01	<0.01	91	91	530	530	4110	4110	4110	0.01	39	39	12	12	11	<20		
061811		1	0.34	0.41	892	<10	0.06	0.01	6	892	6	<10000	<0.01	<0.01	70	70	280	280	1385	1385	1385	0.10	13	13	10	10	84	<20		
061812		1	0.31	0.38	418	<10	0.05	0.01	7	418	7	<10000	<0.01	<0.01	51	51	150	150	443	443	443	0.08	36	36	9	9	143	<20		



Project: Richmond Basin

CERTIFICATE OF ANALYSIS RE11158312

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Ag-OG46 Ag ppm	Cu-OG46 Cu %	Pb-OG46 Pb %	Ag-GRA21 Ag ppm
70607		<0.01	<10	10	62	<10	1540			2.43	
70608		<0.01	<10	10	79	10	5880			10.35	
70609		<0.01	<10	<10	266	<10	1430		4.33		
70610		<0.01	<10	10	40	50	743				
70611		<0.01	<10	<10	6	<10	42				
70612		<0.01	<10	<10	321	<10	2040				
70613		<0.01	<10	<10	108	<10	799				
70614		<0.01	<10	<10	10	<10	225				
70615		<0.01	<10	<10	21	<10	447				
70616		<0.01	<10	<10	88	<10	361				
70617		<0.01	<10	10	115	10	2660		2.26		
70618		<0.01	<10	10	50	30	500				
70619		0.08	<10	<10	28	<10	76		1.070		
70620		0.01	<10	<10	241	10	1410				
70621		0.03	<10	10	130	<10	301				
70622		<0.01	<10	<10	57	280	190				
70623		0.01	<10	30	303	<10	1070	864			
70624		0.01	<10	30	258	<10	1160	1125			
70625		<0.01	<10	<10	37	<10	113				
70626		<0.01	<10	<10	14	<10	78				
70627		0.01	<10	30	79	<10	232				
70628		<0.01	<10	<10	19	<10	48				
70629		<0.01	<10	<10	55	20	908	>1500			
70630		<0.01	<10	<10	19	<10	48	>1500			
70631		<0.01	<10	<10	13	<10	129	>1500	0.970		
70632		0.18	<10	<10	46	<10	26				
70633		0.13	<10	<10	45	<10	33				
70634		<0.01	<10	<10	167	<10	2300				
061801		0.02	<10	<10	140	<10	2380	142			
061802		0.01	<10	<10	289	<10	1015	151			
061803		<0.01	<10	10	117	<10	845	114			
061804		0.01	<10	<10	91	<10	1545	597			
061805		<0.01	<10	<10	41	<10	687	129			
061806		<0.01	<10	10	51	<10	1230				
061807		0.01	<10	10	185	<10	2540	352			
061808		0.01	<10	10	92	<10	2330				
061809		<0.01	<10	<10	139	<10	1600	105			
061810		<0.01	<10	10	114	<10	1615	282			
061811		<0.01	<10	10	74	<10	770	116			
061812		<0.01	<10	10	74	<10	745	599			

2030
1600
3200

7.8%
2.6%

6502
51
103



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRUECLAIM EXPLORATION
 ONE LONDON PLACE
 255 QUEENS AVE, SUITE 1000
 LONDON ON N6A 5R8

Page: 1
 Finalized Date: 7 - OCT - 2011
 This copy reported on
 28 - DEC - 2011
 Account: TRCLUS

CERTIFICATE RE11195975

Project: Richmond Basin
 P. O. No.:
 This report is for 5 Rock samples submitted to our lab in Reno, NV, USA on
 26-SEP-2011.
 The following have access to data associated with this certificate:
 NICK BARR KOMARECHKA BOB SKIP HAMILTON

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
AU-AA24	Au 50g FA AA finish	AAS

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project. Statement required by Nevada State Law NRS 519

To: TRUECLAIM EXPLORATION
 ATTN: NICK BARR
 P.O. BOX 6688
 APACHE JUNCTION AZ 85178
 USA

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

Signature:

Joyce Quiroz, Laboratory Manager, Reno



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 2103 Dollarton Hwy
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 255 QUEENS AVE, SUITE 1000
 LONDON ON N6A 5R8

Page: 2 - A
 Total # Pages: 2 (A)
 Finalized Date: 7-OCT-2011
 Account: TRCLUS

Project: Richmond Basin

CERTIFICATE OF ANALYSIS RE11195975

Sample Description	Method Analyte Units LOR	AU-AA24 Au ppm 0.005	AU-AA24 Au Calc oz/ton 0.0001
70617		0.199	0.0058
70618		0.164	0.0048
70619		0.070	0.0021
70620		1.180	0.0346
70621		0.311	0.0091

Appendix D

McMorris Vein Area Assay Certificates certificates



ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver, BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

CERTIFICATE RE11158312

Project: Richmond Basin

P. O. No.:

This report is for 215 Rock samples submitted to our lab in Reno, NV, USA on 16-AUG-2011.

The following have access to data associated with this certificate:

NICK BARR

KOMARECHKA BOB

SKIP HAMILTON

To: TRUECLAIM EXPLORATION
ONE LONDON PLACE
255 QUEENS AVE, SUITE 1000
LONDON ON N6A 5R8

Page: 1
Finalized Date: 12-SEP-2011
This copy reported on
23-SEP-2011
Account: TRCLUS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-21	Crush entire sample > 70% - 6 mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
Pb-OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Ag-GRA21	Ag 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Ag-OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor, or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available

To: TRUECLAIM EXPLORATION
ATTN: NICK BARR
P.O. BOX 6688
APACHE JUNCTION AZ 85178
USA

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7

Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: TRUECLAIM EXPLORATION
ONE LONDON PLACE
255 QUEENS AVE, SUITE 1000
LONDON ON N6A 5R8

Page: 2 - A
Total # Pages: 7 (A - C)
Finalized Date: 12-SEP-2011
Account: TRCLUS



Project: Richmond Basin

CERTIFICATE OF ANALYSIS RE11158312

Sample Description	Method Analyte Units	WEI-21 Recvd Wt. kg	ME-ICP41 Ag ppm	ME-ICP41 Au %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Gb ppm
70607	Au	1.76	17.4	0.18	669	<10	630	<0.5	<2	3.48	31.3	6	12	2500	1.74	<10
70608		1.46	86.8	0.04	1610	<10	40	<0.5	2	3.10	89.7	25	14	2890	5.23	<10
70609		1.62	7.8	0.11	794	<10	220	1.5	<2	3.09	7.9	20	14	1140	4.29	<10
70610		1.84	3.0	0.29	77	80	20	<0.5	106	0.33	1.5	65	<1	>10000	40.5	10
70611		1.36	<0.2	0.11	10	<10	20	<0.5	<2	0.04	<0.5	2	14	700	0.74	<10
70612		1.58	3.0	0.07	264	<10	30	<0.5	<2	8.7	12.8	7	8	314	2.10	<10
70613		1.52	<0.2	0.08	155	<10	20	0.6	<2	7.8	3.6	3	11	132	2.32	<10
70614		1.54	<0.2	0.25	34	<10	20	<0.5	<2	19.9	0.6	3	3	35	0.78	<10
70615		1.52	1.1	0.16	127	10	100	0.7	6	13.0	1.2	14	3	1985	2.47	<10
70616		1.36	0.4	0.19	108	<10	630	<0.5	<2	0.56	4.0	2	17	72	1.04	<10
70617		1.86	23.8	0.10	3750	10	260	<0.5	<2	19.1	19.5	25	2	4700	5.06	<10
70618		2.32	0.7	0.13	122	40	30	<0.5	33	3.10	0.5	30	<1	>10000	31.9	<10
70619		2.62	0.2	0.83	42	10	60	0.5	5	12.1	<0.5	6	8	3660	3.10	<10
70620		2.22	3.6	0.08	1280	40	150	<0.5	16	8.4	6.7	22	3	>10000	16.4	10
70621		2.22	1.2	0.41	204	20	120	0.7	48	11.7	1.0	16	4	9130	7.18	10
70622		1.22	12.4	0.32	71	<10	30	1.2	702	0.12	1.0	57	9	1770	7.90	<10
70623		1.38	>100	0.62	1055	<10	150	2.2	98	0.33	13.7	21	16	4150	9.40	<10
70624		1.82	>100	0.55	1100	<10	150	2.1	101	0.29	14.5	22	16	5030	9.36	<10
70625		0.98	1.0	0.65	9	<10	80	1.2	<2	0.43	0.5	8	4	43	3.20	<10
70626		1.30	1.8	0.32	6	<10	80	<0.5	4	0.11	<0.5	5	6	47	1.89	<10
70627		1.76	17.4	0.57	107	<10	70	0.9	442	0.25	0.7	18	9	858	7.34	<10
70628		1.76	<0.2	1.25	3	<10	50	<0.5	<2	2.00	<0.5	5	4	14	2.42	<10
70629		1.02	>100	0.15	32	<10	2750	1.0	5	0.06	<0.5	12	9	612	6.52	<10
70630		1.22	>100	0.18	9	<10	2090	<0.5	2	0.08	0.6	<1	13	2890	0.85	<10
70631		1.34	>100	0.14	9	<10	130	<0.5	2	0.04	<0.5	1	11	>10000	1.39	<10
70632		0.76	6.1	2.02	2	<10	330	<0.5	<2	0.54	<0.5	5	5	47	2.98	10
70633		0.66	4.1	1.71	<2	<10	180	<0.5	<2	0.86	<0.5	5	5	73	2.80	10
70634		1.20	1.2	0.11	7	<10	1060	0.5	<2	0.07	1.4	37	8	28	12.8	<10
061801		2.62	>100	0.84	442	10	230	4.5	<2	0.40	8.0	37	21	2480	12.85	<10
061802		3.40	>100	0.73	119	<10	160	2.4	3	0.06	1.3	18	31	808	6.40	<10
061803		3.42	>100	0.50	79	<10	130	1.6	4	0.07	0.7	13	17	957	6.66	<10
061804		2.78	>100	0.53	244	<10	600	1.8	25	0.11	5.6	22	25	1460	7.49	<10
061805		4.08	>100	0.46	59	<10	3320	1.2	4	0.56	0.5	11	16	352	3.75	<10
061806		3.16	70.1	0.54	63	<10	150	2.3	4	0.10	1.8	22	18	627	6.70	<10
061807		2.36	>100	0.62	281	<10	120	2.3	85	0.11	5.3	29	30	1725	9.70	<10
061808		2.72	75.8	0.78	78	<10	80	2.1	22	0.16	2.8	32	38	1395	8.22	<10
061809		1.80	>100	0.54	135	<10	70	1.7	61	0.12	1.8	19	24	822	6.79	<10
061810		2.86	>100	0.63	267	<10	190	2.0	41	0.12	2.6	19	23	1140	7.26	<10
061811		2.22	>100	0.49	81	<10	3920	1.8	2	0.08	0.5	16	21	591	5.30	<10
061812		2.16	>100	0.48	75	<10	2890	1.6	14	0.04	1.0	13	22	450	5.75	<10



Project: Richmond Basin

CERTIFICATE OF ANALYSIS RE11158312

Method Analyte Units LOR	Sample Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
70607		2	0.10	<10	0.89	348	20	<0.01	9	200	>10000	0.03	661	<1	132	<20
70608		2	0.01	<10	1.11	622	44	0.01	16	240	>10000	0.07	385	<1	137	<20
70609		<1	0.03	<10	1.77	514	28	0.01	29	300	2300	0.02	348	1	17	<20
70610		<1	0.02	<10	4.16	3280	13	0.01	31	130	66	0.01	15	1	5	<20
70611		<1	0.04	10	0.04	116	<1	<0.01	2	100	58	<0.01	2	<1	3	<20
70612		<1	0.03	<10	3.96	1630	4	0.01	8	140	2540	0.01	75	1	52	<20
70613		<1	0.04	<10	3.44	502	2	0.01	8	90	408	<0.01	17	<1	102	<20
70614		<1	0.05	10	9.79	779	<1	0.01	4	150	88	<0.01	3	2	107	<20
70615		<1	0.05	<10	6.75	2760	2	0.01	10	80	114	0.02	88	1	199	<20
70616		<1	0.07	<10	0.07	565	1	<0.01	2	80	716	0.02	19	<1	11	<20
70617		6	0.03	<10	5.66	3260	12	0.01	17	200	2540	0.01	4970	1	89	<20
70618		<1	0.01	<10	2.60	2130	3	0.01	<1	30	19	0.02	47	<1	15	<20
70619		<1	0.07	<10	1.08	474	<1	0.01	3	540	33	0.01	32	2	48	<20
70620		<1	0.02	<10	1.67	2830	10	0.02	3	230	606	0.06	409	<1	57	<20
70621		<1	0.05	<10	1.04	1420	4	0.01	5	920	75	0.01	56	2	52	<20
70622		<1	0.13	<10	0.16	298	88	0.01	83	210	88	0.03	13	1	7	<20
70623		3	0.29	10	0.11	1065	63	0.01	33	1310	4640	0.04	882	8	67	<20
70624		3	0.27	10	0.10	1020	61	0.01	32	1260	4870	0.05	670	8	59	<20
70625		<1	0.21	20	0.14	376	2	0.01	8	1070	27	<0.01	2	2	20	<20
70626		<1	0.23	20	0.03	182	2	<0.01	8	460	72	<0.01	2	2	4	<20
70627		1	0.28	10	0.08	560	15	<0.01	17	1310	1175	0.03	9	3	95	<20
70628		1	0.29	20	0.60	919	<1	0.03	6	1080	12	0.01	<2	2	64	<20
70629		<1	0.06	<10	0.02	380	8	<0.01	4	130	433	0.10	6	5	203	<20
70630		<1	0.12	10	0.01	59	1	<0.01	<1	170	495	0.10	48	<1	127	<20
70631		1	0.09	10	0.01	57	2	<0.01	2	100	882	0.40	17	1	233	<20
70632		<1	0.53	10	0.74	368	<1	0.14	1	960	9	0.46	<2	7	163	<20
70633		1	0.23	20	0.26	360	<1	0.19	1	1030	6	0.31	<2	1	110	<20
70634		<1	0.02	<10	0.07	3630	5	<0.01	23	300	10	0.03	<2	5	48	<20
061801		<1	0.50	10	0.13	807	15	<0.01	102	1660	566	<0.01	2020	20	24	<20
061802		<1	0.54	<10	0.07	537	8	<0.01	79	340	1660	<0.01	111	17	10	<20
061803		<1	0.34	10	0.06	396	12	<0.01	57	250	942	<0.01	31	10	10	<20
061804		1	0.37	<10	0.07	1430	15	<0.01	68	400	1375	0.01	645	12	25	<20
061805		1	0.27	10	0.05	442	4	<0.01	43	2460	713	0.09	49	6	82	20
061806		1	0.39	<10	0.06	618	6	<0.01	95	330	1360	<0.01	32	10	14	<20
061807		1	0.45	10	0.09	1155	18	<0.01	140	490	5470	<0.01	52	17	9	<20
061808		1	0.57	10	0.11	1700	11	<0.01	112	600	4000	<0.01	46	18	8	<20
061809		1	0.40	20	0.07	919	31	<0.01	73	500	3540	<0.01	46	11	9	<20
061810		1	0.44	10	0.08	533	32	<0.01	91	530	4110	0.01	39	12	11	<20
061811		1	0.34	10	0.06	892	6	<0.01	70	280	1385	0.10	13	10	84	<20
061812		1	0.31	<10	0.05	418	7	<0.01	51	150	443	0.08	36	9	143	<20



Project: Richmond Basin

CERTIFICATE OF ANALYSIS RE11158312

Sample Description	Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Ag-OG46 Ag ppm	Cu-OG46 Cu %	Pb-OG46 Pb %	Ag-GRA21 Ag ppm
70607		<0.01	<10	10	62	<10	1540			2.43	
70608		<0.01	<10	10	79	10	5880			10.35	
70609		<0.01	<10	<10	266	<10	1430		4.33		
70610		<0.01	<10	10	40	50	743				
70611		<0.01	<10	<10	6	<10	42				
70612		<0.01	<10	<10	321	<10	2040				
70613		<0.01	<10	<10	108	<10	799				
70614		<0.01	<10	<10	10	<10	225				
70615		<0.01	<10	<10	21	<10	447				
70616		<0.01	<10	<10	88	<10	361				
70617		<0.01	<10	10	115	10	2660		2.26		
70618		<0.01	<10	10	50	30	500				
70619		0.08	<10	<10	28	<10	76		1.070		
70620		0.01	<10	<10	241	10	1410				
70621		0.03	<10	10	130	<10	301				
70622		<0.01	<10	<10	57	280	190				
70623		0.01	<10	30	303	<10	1070	864			
70624		0.01	<10	30	258	<10	1160	1125			
70625		<0.01	<10	<10	37	<10	113				
70626		<0.01	<10	<10	14	<10	78				
70627		0.01	<10	30	79	<10	232				
70628		<0.01	<10	<10	19	<10	48				
70629		<0.01	<10	<10	55	20	908	>1500			
70630		<0.01	<10	<10	19	<10	48	>1500			
70631		<0.01	<10	<10	13	<10	129	>1500	0.970		
70632		0.18	<10	<10	46	<10	26				
70633		0.13	<10	<10	45	<10	33				
70634		<0.01	<10	<10	167	<10	2300				
061801		0.02	<10	<10	140	<10	2380	142			
061802		0.01	<10	<10	289	<10	1015	151			
061803		<0.01	<10	10	117	<10	845	114			
061804		0.01	<10	<10	91	<10	1545	597			
061805		<0.01	<10	<10	41	<10	687	129			
061806		<0.01	<10	10	51	<10	1230				
061807		0.01	<10	10	185	<10	2540	352			
061808		0.01	<10	10	92	<10	2330				
061809		<0.01	<10	<10	139	<10	1600	105			
061810		<0.01	<10	10	114	<10	1615	282			
061811		<0.01	<10	10	74	<10	770	116			
061812		<0.01	<10	10	74	<10	745	599			

2030
1600
3200

7.8%
2.6%

Appendix E1

Richmond Basin Soil Grid Assay Certificates

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To: NORTHERN SPHERE MINING
5441 E. MINING CAMP ST.
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This copy reported on
25-FEB-2019
Account: NORTHS

R. BARRON area Soil Grid N=250



CERTIFICATE RE17174758

Project: Richmond Basin

This report is for 250 Soil samples submitted to our lab in Reno, NV, USA on 18-AUG-2017.

The following have access to data associated with this certificate:

NICHOLAS BARR	MONIQUE DELORME	STEVE GRAY
---------------	-----------------	------------

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
AuME-TL43	25g Trace Au + Multi Element PKG	
Ag-OG46	Ore Grade Ag - Aqua Regia	

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project. Statement required by Nevada State Law NRS 519.

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

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

Project: Richmond Basin

CERTIFICATE OF ANALYSIS REI7174758

Sample Description	Method Analyte Units LOD	AuME-TL43		AuME-TL43		AuME-TL43		AuME-TL43		AuME-TL43		AuME-TL43		AuME-TL43		AuME-TL43		AuME-TL43		AuME-TL43	
		Cu ppm	Fe %	Ca ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Co ppm	Cd ppm	Pb ppm	Bi ppm	Th ppm
0521900E 3710000N		64.4	2.27	5.22	0.10	0.05	0.043	0.21	34.9	14.0	0.28	445	1.41	0.01	0.82						
0521900E 3710050N		50.2	2.48	5.80	0.10	0.04	0.040	0.16	38.1	15.1	0.25	430	1.12	0.01	0.56						
0521900E 3710100N		61.6	2.68	6.37	0.09	0.04	0.040	0.18	33.9	16.1	0.27	584	1.35	0.01	0.60						
0521900E 3710150N		56.8	1.97	5.51	0.08	0.06	0.035	0.30	29.3	17.4	0.37	316	0.90	0.01	0.58						
0521900E 3710200N		42.1	2.23	5.73	0.09	0.04	0.037	0.25	29.6	16.2	0.29	323	1.02	0.01	0.55						
0521900E 3710250N		60.1	1.95	4.17	0.07	0.05	0.035	0.21	26.1	9.5	0.24	324	1.27	<0.01	0.60						
0521900E 3710300N		48.1	2.35	5.21	0.08	0.05	0.033	0.29	28.9	13.8	0.32	449	1.10	<0.01	0.59						
0521900E 3710350N		55.0	2.73	5.49	0.08	0.04	0.039	0.26	29.2	14.2	0.34	525	1.37	0.01	0.45						
0521900E 3710400N		48.4	2.50	5.19	0.09	0.03	0.036	0.31	32.8	13.5	0.33	472	0.99	0.01	0.47						
0521900E 3710450N		58.7	3.09	6.34	0.07	0.05	0.043	0.30	23.7	16.4	0.39	619	1.19	0.01	0.44						
0521900E 3710500N		80.8	3.36	6.72	0.07	0.11	0.050	0.32	19.7	16.2	0.57	616	1.19	0.01	0.32						
0521900E 3710550N		77.7	4.38	8.25	0.08	0.11	0.044	0.39	15.8	22.1	0.83	428	0.87	0.02	0.27						
0521900E 3710600N		54.5	4.67	7.13	0.08	0.07	0.035	0.47	13.4	21.4	0.76	379	0.79	0.03	0.25						
0521900E 3710650N		67.2	3.59	6.07	0.09	0.05	0.046	0.40	21.5	20.1	0.57	685	1.02	0.02	0.53						
0521900E 3710700N		59.2	3.73	5.48	0.08	0.06	0.036	0.34	11.8	17.6	0.69	335	0.99	0.02	0.20						
0521900E 3710750N		68.1	3.09	7.44	0.08	0.14	0.046	0.50	19.2	23.5	0.90	418	0.78	0.01	0.71						
0521900E 3710800N		25.8	2.04	5.39	0.05	0.06	0.026	0.23	15.8	14.4	0.57	369	0.31	<0.01	0.13						
0521900E 3710850N		26.2	2.39	5.09	0.10	0.07	0.032	0.28	33.9	12.0	0.28	573	0.23	0.01	0.46						
0521900E 3710900N		40.6	2.20	4.41	0.07	0.07	0.034	0.20	26.1	11.1	0.30	1030	1.00	0.01	0.46						
0521900E 3710950N		62.3	2.27	6.10	0.13	0.05	0.039	0.24	55.6	20.1	0.39	467	1.42	0.01	0.68						
0521900E 3710000N		63.9	2.63	6.22	0.11	0.04	0.039	0.29	43.0	19.5	0.36	579	1.34	0.01	0.66						
0521900E 3710050N		65.4	2.61	6.09	0.12	0.05	0.042	0.18	47.8	15.6	0.28	409	1.23	0.01	0.55						
0521900E 3710100N		195.0	2.70	5.63	0.09	0.06	0.13	0.15	32.5	14.4	0.30	498	9.00	0.01	0.48						
0521900E 3710150N		31.9	2.16	5.02	0.07	0.04	0.026	0.29	23.8	13.0	0.38	539	0.86	<0.01	0.35						
0521900E 3710200N		46.1	2.00	5.09	0.09	0.05	0.033	0.25	38.0	11.5	0.27	301	1.04	<0.01	0.55						
0521900E 3710250N		76.4	2.29	5.44	0.08	0.03	0.051	0.27	28.0	13.8	0.29	379	1.85	<0.01	0.75						
0521900E 3710300N		54.8	2.91	5.92	0.08	0.06	0.035	0.37	21.1	15.7	0.50	418	1.10	0.01	0.43						
0521900E 3710350N		62.5	3.13	6.37	0.08	0.06	0.040	0.36	24.7	17.0	0.54	591	1.22	0.02	0.34						
0521900E 3710400N		50.4	3.88	8.71	0.08	0.12	0.049	0.40	19.7	22.8	0.85	538	0.76	0.02	0.19						
0521900E 3710450N		44.9	3.09	5.06	0.08	0.04	0.032	0.33	16.7	12.8	0.47	469	0.98	0.02	0.45						
0521900E 3710500N		73.8	4.60	8.03	0.08	0.10	0.047	0.37	17.3	20.9	0.76	424	1.05	0.02	0.23						
0521900E 3710550N		142.0	5.10	9.12	0.09	0.10	0.062	0.36	14.1	27.2	0.98	364	1.36	0.05	0.12						
0521900E 3710600N		25.5	4.57	10.35	0.08	0.06	0.019	0.49	10.1	39.1	1.29	255	0.21	0.12	<0.05						
0521900E 3710650N		75.1	4.98	10.45	0.10	0.10	0.044	0.63	13.7	38.3	1.39	405	0.59	0.03	0.30						
0521900E 3710700N		53.6	5.69	10.80	0.09	0.09	0.030	0.68	10.7	58.7	1.54	334	0.50	0.06	0.07						
0521900E 3710750N		76.1	4.03	8.56	0.09	0.11	0.045	0.36	15.6	33.8	0.97	457	0.70	0.03	0.16						
0521900E 3710800N		60.2	2.66	5.33	0.08	0.08	0.041	0.19	23.0	15.1	0.35	764	1.27	0.01	0.43						
0521900E 3710850N		77.8	2.67	6.03	0.10	0.05	0.051	0.29	29.6	20.0	0.40	1140	1.77	0.01	0.67						
0521900E 3710900N		49.9	2.72	6.36	0.10	0.06	0.045	0.39	28.8	20.9	0.39	1190	1.14	0.01	0.63						
0521900E 3710950N		54.2	4.63	9.33	0.11	0.13	0.059	0.30	22.7	34.4	0.87	485	0.82	0.01	0.16						



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Project: Richmond Basin

CERTIFICATE OF ANALYSIS REI17174758

Method Analyte Units LOD	AuME-TL43 ppm	U ppm	AuME-TL43 ppm	V ppm	AuME-TL43 ppm	W ppm	AuME-TL43 ppm	Y ppm	AuME-TL43 ppm	Zn ppm	AuME-TL43 ppm	Zr ppm	Ag-OG46 ppm
0521900E 3710000N	0.23	1.29	42	0.19	13.50	52	1.8						
0521900E 3710050N	0.22	1.25	47	0.13	14.75	44	1.4						
0521900E 3710100N	0.24	1.46	51	0.13	15.15	60	1.3						
0521900E 3710150N	0.23	0.81	41	0.12	10.00	48	2.0						
0521900E 3710200N	0.25	1.02	45	0.13	11.20	45	1.2						
0521900E 3710250N	0.21	1.11	40	0.12	10.35	41	1.5						
0521900E 3710300N	0.25	1.08	48	0.11	13.60	41	1.4						
0521900E 3710350N	0.25	1.01	55	0.10	13.65	50	1.2						
0521900E 3710400N	0.24	0.99	51	0.10	13.65	58	1.0						
0521900E 3710450N	0.31	1.00	71	0.10	15.60	59	1.9						
0521900E 3710500N	0.28	0.57	79	0.11	17.50	67	3.0						
0521900E 3710550N	0.28	0.50	112	0.12	20.4	79	2.8						
0521900E 3710600N	0.24	0.52	147	0.09	16.50	59	2.0						
0521900E 3710650N	0.26	0.92	100	0.12	14.90	61	1.6						
0521900E 3710700N	0.21	0.32	122	0.12	15.50	55	1.9						
0521900E 3710750N	0.26	0.44	63	0.09	17.45	67	3.4						
0521900E 3710800N	0.16	0.32	44	0.05	12.00	41	1.8						
0521900E 3710850N	0.19	1.38	44	0.10	12.60	45	2.5						
0521900E 3710900N	0.21	1.10	41	0.13	12.35	55	2.4						
0521950E 3709950N	0.21	1.86	40	0.16	19.60	53	1.6						
0521950E 3710000N	0.33	1.68	46	0.16	16.20	49	1.5						
0521950E 3710050N	0.25	1.50	49	0.14	14.85	46	1.7						
0521950E 3710100N	0.23	3.50	97	0.25	13.10	88	2.7						
0521950E 3710150N	0.29	1.03	49	0.08	11.60	45	1.1						
0521950E 3710200N	0.23	1.19	40	0.10	10.95	42	1.3						
0521950E 3710250N	0.28	1.20	44	0.17	10.65	63	1.0						
0521950E 3710300N	0.26	0.90	74	0.12	12.95	56	1.7						
0521950E 3710350N	0.30	0.78	70	0.11	16.85	53	1.4						
0521950E 3710400N	0.37	0.58	84	0.08	17.10	63	3.3						
0521950E 3710450N	0.25	0.67	88	0.12	14.55	43	1.3						
0521950E 3710500N	0.30	0.64	125	0.11	18.60	63	2.4						
0521950E 3710550N	0.29	0.64	138	0.12	19.65	75	2.3						
0521950E 3710600N	0.40	0.12	92	0.05	18.95	69	1.7						
0521950E 3710650N	0.33	0.27	97	0.09	20.1	81	2.9						
0521950E 3710700N	0.36	0.18	122	0.10	17.85	79	2.9						
0521950E 3710750N	0.27	0.40	83	0.10	19.35	69	3.8						
0521950E 3710800N	0.23	1.57	51	0.13	14.60	60	3.6						
0521950E 3710850N	0.27	1.62	47	0.13	15.60	87	2.1						
0521950E 3710900N	0.26	2.05	47	0.11	15.15	69	2.6						
0521950E 3710950N	0.27	0.96	100	<0.05	24.4	74	3.4						



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Finalized Date: 24-SEP-2017
Account: NORTH5

Project: Richmond Basin

CERTIFICATE OF ANALYSIS REI7174758

Method Analyte Units LOD	Sample Description	WEI-21 Recvd kg	Au ppm	AuME-TL43 AuME-TL43 ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
0521950E 3711000N		0.16	0.006	0.20	0.01	2.01	12.1	10	300	1.26	2.43	1.02	0.94	41.0	20.3	35	4.16
0522250E 3709850N		0.40	0.002	1.42	0.01	1.70	8.1	10	200	1.30	0.47	0.22	0.35	61.4	11.3	21	2.01
0522250E 3709900N		0.38	0.001	1.71	0.01	1.57	9.6	10	200	1.30	0.72	0.22	0.41	65.0	12.6	26	2.97
0522250E 3709950N		0.42	0.002	4.12	0.01	1.42	6.7	10	250	1.39	0.40	0.41	0.22	45.4	16.2	63	3.13
0522250E 3710000N		0.38	0.004	6.61	0.01	2.57	10.4	10	240	1.74	0.92	0.41	0.26	50.6	20.0	37	5.69
0522250E 3710050N		0.44	<0.001	1.27	0.01	1.70	5.5	10	190	1.38	0.33	0.18	0.31	63.1	11.2	21	2.16
0522250E 3710100N		0.34	0.001	2.49	0.01	2.09	7.2	10	140	1.69	0.29	0.22	0.22	67.4	11.7	22	2.01
0522250E 3710150N		0.36	0.001	6.37	0.01	1.83	14.5	10	180	1.42	0.75	0.22	0.57	63.1	12.4	21	2.00
0522250E 3710200N		0.36	<0.001	7.03	0.01	1.78	8.0	10	200	1.27	0.48	0.36	0.26	60.2	10.2	25	2.83
0522300E 3709850N		0.32	0.001	3.38	0.01	2.01	12.5	10	210	1.44	0.55	0.25	0.25	93.6	12.7	23	2.17
0522300E 3709900N		0.38	0.002	4.03	0.01	1.77	12.8	10	140	1.22	0.61	0.15	0.74	53.5	12.7	23	1.67
0522300E 3709950N		0.42	<0.001	8.00	0.01	1.34	4.9	10	240	0.97	0.38	0.22	0.19	41.2	9.6	20	2.15
0522300E 3710000N		0.42	0.001	6.04	0.01	2.23	8.0	10	200	1.75	0.51	0.22	0.28	97.9	13.9	22	2.93
0522300E 3710050N		0.42	0.001	1.40	0.01	1.49	3.8	10	180	1.27	0.24	0.28	0.15	60.3	11.5	20	2.50
0522300E 3710100N		0.44	0.005	1.73	0.01	2.02	6.9	10	180	1.19	0.43	0.56	0.17	47.1	15.9	32	5.14
0522300E 3710150N		0.50	0.003	2.56	0.01	1.41	8.0	10	190	1.01	0.49	0.43	0.50	54.5	15.8	24	2.52
0522300E 3710200N		0.42	0.003	4.09	0.01	3.07	9.9	10	280	1.56	0.78	0.62	0.27	64.1	19.6	46	4.11
0522300E 3710250N		0.34	0.001	0.66	0.01	3.03	5.8	10	220	0.82	0.48	0.42	0.20	44.7	24.4	66	6.71
0522300E 3710300N		0.34	0.001	0.93	0.01	2.99	5.7	10	220	1.07	0.74	0.73	0.27	35.1	23.7	75	7.09
0522300E 3710350N		0.44	0.001	0.80	0.01	2.53	3.1	10	350	1.21	0.33	0.84	1.04	34.8	35.5	64	12.55
0522300E 3710400N		0.44	0.102	56.1	0.01	1.59	98.1	10	190	1.78	1.60	4.13	3.62	33.2	28.5	31	3.86
0522300E 3710450N		0.38	0.002	0.31	0.01	3.53	4.4	10	260	0.61	0.35	0.99	0.33	21.6	26.9	67	17.70
0522300E 3710500N		0.38	0.001	0.10	0.01	2.72	6.1	10	150	0.82	0.48	0.61	0.23	40.9	19.6	53	3.64
0522450E 3710300N		0.38	0.001	0.14	0.01	2.22	4.8	10	140	1.02	0.33	0.52	0.17	56.6	18.1	40	5.09
0522450E 3710400N		0.40	0.001	0.11	0.01	2.45	4.0	10	160	0.85	0.37	0.55	0.16	50.5	20.9	58	5.20
0522450E 3710450N		0.32	0.001	0.07	0.01	3.23	5.3	10	200	0.75	0.38	0.70	0.16	37.0	28.2	61	12.65
0522450E 3710500N		0.34	<0.001	0.06	0.01	5.27	3.4	10	320	0.35	0.35	1.61	0.15	29.6	33.0	80	14.60
0522450E 3710550N		0.44	0.001	4.43	0.01	1.98	11.9	10	150	1.54	0.28	1.00	1.39	36.4	49.2	42	8.52
0522450E 3710600N		0.42	0.001	0.33	0.01	2.71	5.4	10	130	0.85	0.36	1.15	0.27	38.4	34.4	100	6.83
0522450E 3710650N		0.34	0.002	0.10	0.01	2.24	10.9	10	130	1.34	0.55	0.62	0.40	36.4	24.7	68	1.94
0522000E 3710050N		0.46	0.001	1.49	0.01	2.29	12.1	10	160	1.52	1.33	0.21	0.46	64.5	11.5	24	2.69
0522000E 3710100N		0.48	0.002	11.35	0.01	1.54	12.6	10	160	1.09	1.72	0.21	0.48	62.8	11.8	21	2.73
0522000E 3710150N		0.46	0.001	0.84	0.01	0.98	5.5	10	110	0.86	0.71	0.21	0.20	51.5	10.6	17	2.14
0522000E 3710200N		0.46	0.001	0.73	0.01	1.36	6.1	10	150	0.85	0.36	0.23	0.21	59.4	9.5	19	2.88
0522000E 3710250N		0.46	0.002	0.82	0.01	1.94	9.0	10	180	1.51	1.49	0.20	0.31	66.2	14.2	24	3.31
0522000E 3710300N		0.40	0.001	0.60	0.01	1.74	6.0	10	170	1.14	1.01	0.24	0.17	64.6	14.6	24	4.60
0522000E 3710350N		0.50	0.001	0.91	0.01	1.47	7.2	10	120	0.79	0.80	0.22	0.23	54.1	15.0	22	4.25
0522000E 3710400N		0.44	0.002	2.06	0.01	1.93	7.0	10	140	0.92	0.85	0.31	0.14	36.7	15.8	27	4.07
0522000E 3710450N		0.44	0.002	0.13	0.01	2.49	5.9	10	160	0.70	1.05	0.63	0.17	33.0	24.2	62	10.15
0522000E 3710500N		0.40	0.001	0.15	0.01	2.94	6.3	10	170	0.68	1.34	0.96	0.27	25.9	28.0	116	12.95



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CERTIFICATE OF ANALYSIS RE17174758

Sample Description	Method Analyte Units LOD	AuME-TL43		AuME-TL43		AuME-TL43		AuME-TL43		AuME-TL43		Ag-OG46	
		U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	ppm	ppm	ppm	ppm	ppm
0521950E 3711000N		0.27	0.88	59	0.08	18.45	107	3.9					
0522250E 3709850N		0.24	1.62	43	0.17	14.50	68	1.0					
0522250E 3709900N		0.29	1.41	47	0.17	15.25	67	1.2					
0522250E 3709950N		0.22	2.00	69	0.17	15.75	86	1.2					
0522250E 3710000N		0.37	1.34	79	0.11	19.50	83	2.3					
0522250E 3710050N		0.25	1.50	47	0.12	16.75	71	1.1					
0522250E 3710100N		0.34	1.97	51	0.16	18.35	84	1.3					
0522250E 3710150N		0.27	2.94	62	0.18	18.10	158	1.2					
0522250E 3710200N		0.26	1.63	51	0.13	14.80	64	1.4					
0522300E 3709850N		0.31	1.80	50	0.20	15.40	79	1.9					
0522300E 3709900N		0.23	1.47	45	0.17	13.90	104	0.7					
0522300E 3709950N		0.24	1.17	42	0.27	10.85	65	1.3					
0522300E 3710000N		0.40	2.19	52	0.24	21.4	75	1.5					
0522300E 3710050N		0.27	1.47	39	0.16	12.30	53	1.8					
0522300E 3710100N		0.33	1.31	56	0.13	16.40	66	1.7					
0522300E 3710150N		0.28	1.83	50	0.23	14.35	120	1.2					
0522300E 3710200N		0.38	1.12	86	0.20	21.7	96	3.7					
0522300E 3710250N		0.41	0.79	102	0.21	18.90	63	3.3					
0522300E 3710300N		0.35	0.47	107	0.17	20.2	71	3.2					
0522300E 3710350N		0.43	0.59	100	0.27	25.7	281	1.3					
0522300E 3710400N		0.27	5.75	68	0.29	25.5	372	1.5					
0522300E 3710450N		0.44	0.22	91	0.12	15.85	129	2.3					
0522300E 3710500N		0.21	0.38	78	0.09	18.40	48	3.5					
0522450E 3710350N		0.20	0.63	86	0.11	19.10	48	1.9					
0522450E 3710400N		0.21	0.49	120	0.10	20.1	49	2.3					
0522450E 3710450N		0.55	0.53	94	0.19	16.10	63	2.1					
0522450E 3710500N		0.55	0.23	58	0.14	11.75	55	1.9					
0522450E 3710550N		0.44	1.00	61	0.61	23.1	603	1.2					
0522450E 3710600N		0.23	0.25	129	0.15	23.5	121	1.8					
0522450E 3710650N		0.16	0.40	145	0.44	17.85	125	3.0					
0522000E 3710050N		0.27	1.72	45	0.17	12.70	100	0.7					
0522000E 3710100N		0.28	1.58	53	0.17	12.20	70	1.7					
0522000E 3710150N		0.24	1.00	36	0.12	12.10	35	0.9					
0522000E 3710200N		0.29	1.11	41	0.11	12.35	45	1.0					
0522000E 3710250N		0.34	1.59	51	0.15	13.85	60	1.1					
0522000E 3710300N		0.33	1.28	48	0.11	14.75	51	1.8					
0522000E 3710350N		0.27	0.77	42	0.11	12.30	49	1.0					
0522000E 3710400N		0.30	0.76	55	0.10	12.25	42	2.6					
0522000E 3710450N		0.35	0.49	87	0.11	17.10	63	2.0					
0522000E 3710500N		0.43	0.31	135	0.14	18.50	73	2.4					

Project: Richmond Basin

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Method Analyte Units LOD	Sample Description	WEI-21 Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
			AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
0522050E 3710050N		0.50	0.001	2.82	1.99	12.6	10	170	1.33	1.48	0.50	0.43	101.0	11.8	22	3.69
0522050E 3710100N		0.50	0.001	2.62	1.52	11.1	10	150	1.12	1.22	0.20	0.41	91.4	10.7	20	3.17
0522050E 3710150N		0.44	0.004	11.90	2.09	15.7	10	190	1.78	3.70	0.26	0.50	64.9	15.4	27	4.15
0522050E 3710200N		0.44	0.003	12.15	2.51	11.6	10	250	1.80	2.75	0.37	0.57	56.9	22.2	41	8.70
0522050E 3710250N		0.42	0.001	1.19	2.57	4.0	10	250	1.33	1.90	0.47	0.26	50.3	23.3	52	9.81
0522050E 3710300N		0.46	0.003	0.86	1.70	7.6	10	160	1.17	0.70	0.23	0.28	81.5	13.0	24	3.11
0522050E 3710350N		0.48	0.002	0.49	1.41	8.8	10	130	1.01	0.84	0.19	0.24	70.4	10.6	22	2.89
0522050E 3710400N		0.46	0.002	0.48	1.60	5.3	10	130	0.77	0.58	0.28	0.10	32.4	11.3	22	3.76
0522050E 3710450N		0.40	0.003	0.06	1.62	4.2	10	90	0.67	0.56	0.24	0.09	35.3	12.7	27	4.41
0522050E 3710500N		0.52	0.001	0.05	2.85	3.2	10	170	0.47	0.94	0.94	0.13	25.1	29.1	98	15.25
0522200E 3709900N		0.56	0.003	4.25	1.75	15.2	10	270	1.74	1.30	0.43	0.75	76.3	13.0	21	2.53
0522200E 3709950N		0.54	0.002	10.10	1.84	12.0	10	240	1.32	0.76	0.22	0.34	86.4	13.6	24	2.36
0522200E 3710000N		0.60	0.002	3.57	2.25	12.2	10	180	1.50	1.12	0.26	0.31	67.2	10.1	23	2.16
0522200E 3710050N		0.58	0.001	2.71	1.81	9.3	10	130	1.45	0.45	0.19	0.35	81.3	8.2	20	2.10
0522200E 3710100N		0.64	0.001	1.21	2.30	7.1	10	110	1.73	0.36	0.19	0.11	95.1	11.5	19	3.67
0522200E 3710150N		0.50	0.002	5.26	1.70	13.8	10	200	1.10	0.99	0.25	0.48	94.2	10.4	22	2.65
0522200E 3710200N		0.42	0.001	11.30	2.06	8.2	10	260	1.24	0.39	0.40	0.31	74.8	10.3	23	2.83
0522200E 3710250N		0.42	0.002	14.65	1.90	7.0	10	190	0.97	0.76	0.38	0.24	58.7	16.2	52	3.51
0522200E 3710300N		0.60	0.001	5.93	1.36	2.9	10	110	0.58	0.79	0.38	0.15	30.6	13.5	144	4.03
0522200E 3710350N		0.52	0.001	0.31	2.34	4.7	10	130	0.73	0.81	0.44	0.18	32.1	20.8	87	6.54
0522200E 3710400N		0.44	0.001	0.07	2.36	5.1	10	100	1.07	0.52	0.36	0.18	29.6	11.4	37	5.21
0522500E 3710350N		0.44	0.002	0.25	2.14	6.1	10	130	0.94	0.44	0.40	0.15	53.2	15.9	35	5.49
0522500E 3710400N		0.44	0.003	0.14	2.51	7.5	10	140	1.29	0.47	0.31	0.16	65.0	18.0	35	5.50
0522500E 3710450N		0.46	0.001	0.12	1.77	6.6	10	140	0.72	0.69	0.50	0.31	53.4	16.5	48	4.59
0522500E 3710500N		0.34	0.002	0.08	2.51	5.1	10	160	0.84	0.38	0.45	0.15	50.5	19.4	58	4.61
0522500E 3710550N		0.40	0.001	0.06	4.04	3.0	10	170	0.41	0.25	1.29	0.11	34.1	31.1	73	9.13
0522500E 3710600N		0.40	<0.001	0.07	2.54	5.3	10	140	0.24	0.45	1.04	0.15	35.5	23.7	109	6.63
0522500E 3710650N		0.40	0.001	0.04	2.46	4.2	10	130	0.15	0.31	1.08	0.11	30.4	30.7	86	5.65
0522650E 3710000N		0.36	0.002	0.92	1.79	6.4	10	90	0.80	0.46	0.19	0.16	48.6	16.6	42	2.64
0522650E 3710050N		0.26	0.004	2.03	2.16	7.0	10	110	0.96	0.48	0.23	0.17	56.0	20.0	44	3.04
0522650E 3710100N		0.46	0.001	1.03	2.04	8.8	10	120	0.84	0.68	0.31	0.25	49.1	17.1	47	2.99
0522650E 3710150N		0.46	0.002	5.21	2.29	6.3	10	280	1.37	0.45	0.76	0.35	45.8	16.9	31	3.85
0522650E 3710200N		0.56	0.001	39.8	0.27	1.0	10	160	1.18	0.17	0.62	0.47	31.8	6.0	1	2.63
0522650E 3710250N		0.40	0.001	1.07	1.69	7.1	10	110	0.70	0.56	0.39	0.29	45.9	17.5	32	2.01
0522650E 3710300N		0.44	0.001	0.20	2.24	5.4	10	100	0.77	0.43	0.56	0.20	43.0	11.7	23	1.35
0522650E 3710350N		0.34	0.002	0.20	3.07	6.6	10	170	0.76	0.60	0.82	0.26	41.6	21.8	60	2.13
0522650E 3710400N		0.44	0.001	0.24	2.37	6.2	10	160	0.97	0.39	0.32	0.19	50.2	19.7	42	2.01
0522700E 3709500N		0.44	0.001	0.76	2.49	3.3	10	210	0.96	0.23	0.65	0.17	53.9	18.5	61	9.74
0522700E 3709550N		0.42	0.001	0.20	2.49	4.2	10	310	0.31	0.30	0.78	0.09	28.7	28.9	67	14.30
0522700E 3709600N		0.42	0.001	0.05	2.36	4.5	10	260	0.27	0.53	0.60	0.12	26.5	28.5	83	19.05

Project: Richmond Basin

CERTIFICATE OF ANALYSIS REI7174758

Sample Description	Method Analyte Units LOD	AuME-TL43	Fe %	AuME-TL43	Ca ppm	AuME-TL43	Ge ppm	AuME-TL43	Hf ppm	AuME-TL43	Pb ppm	AuME-TL43	K %	AuME-TL43	La ppm	AuME-TL43	Li ppm	AuME-TL43	Mg %	AuME-TL43	Mn ppm	AuME-TL43	Mo ppm	AuME-TL43	Na %	AuME-TL43	Nb ppm	AuME-TL43
0522050E 3710050N		105.0	2.47	7.05	7.05	0.13	0.04	0.04	0.07	0.07	0.046	0.35	0.42	48.9	20.7	0.42	536	1.94	0.42	0.38	427	1.08	0.01	0.01	0.01	0.01	0.01	0.58
0522050E 3710100N		84.5	2.23	6.07	6.07	0.11	0.05	0.05	0.07	0.07	0.041	0.37	0.44	48.4	17.9	0.44	453	1.63	0.44	0.34	289	1.11	<0.01	0.01	0.01	0.01	0.01	0.64
0522050E 3710150N		197.0	2.99	7.80	7.80	0.09	0.06	0.06	0.10	0.10	0.059	0.34	0.46	31.0	15.7	0.46	554	2.72	0.46	0.50	224	0.62	0.62	0.01	0.01	0.01	0.47	
0522050E 3710200N		203	4.25	8.99	8.99	0.10	0.05	0.05	0.09	0.09	0.060	0.74	0.89	27.6	17.0	0.89	627	3.85	0.89	0.59	242	0.56	0.56	0.01	0.01	0.01	0.39	
0522050E 3710250N		73.8	4.53	9.09	9.09	0.09	0.05	0.05	0.04	0.04	0.041	0.75	1.17	24.6	18.5	1.17	633	3.85	1.17	1.17	280	0.54	0.54	0.01	0.01	0.01	0.30	
0522050E 3710300N		59.0	2.59	6.51	6.51	0.10	0.04	0.04	0.05	0.05	0.037	0.31	0.38	39.9	16.3	0.38	427	1.08	0.38	0.34	289	1.11	<0.01	0.01	0.01	0.01	0.60	
0522050E 3710350N		58.1	2.27	5.80	5.80	0.09	0.05	0.05	0.05	0.05	0.037	0.26	0.34	37.1	13.3	0.34	289	1.11	0.34	0.34	289	1.11	<0.01	0.01	0.01	0.01	0.40	
0522050E 3710400N		35.5	2.26	6.49	6.49	0.06	0.06	0.06	0.06	0.06	0.027	0.35	0.50	17.5	15.8	0.50	224	0.62	0.50	0.50	224	0.62	0.62	0.01	0.01	0.01	0.34	
0522050E 3710450N		27.1	2.24	6.55	6.55	0.06	0.06	0.06	0.06	0.06	0.024	0.39	0.59	17.7	16.9	0.59	242	0.56	0.59	0.59	242	0.56	0.56	0.01	0.01	0.01	0.29	
0522050E 3710500N		59.9	4.70	9.01	9.01	0.07	0.07	0.07	0.07	0.07	0.033	0.49	0.65	10.6	29.1	1.17	280	0.54	1.17	1.17	280	0.54	0.54	0.05	0.05	0.05	0.13	
0522200E 3709900N		124.0	2.53	6.03	6.03	0.09	0.06	0.06	0.14	0.14	0.060	0.35	0.47	35.6	16.6	0.47	1120	2.48	0.47	0.36	727	2.35	2.35	0.01	0.01	0.01	0.80	
0522200E 3709950N		73.8	2.78	6.78	6.78	0.10	0.05	0.05	0.09	0.09	0.046	0.23	0.36	41.2	14.6	0.36	727	2.35	0.36	0.36	727	2.35	2.35	0.01	0.01	0.01	0.64	
0522200E 3710000N		75.7	2.84	7.55	7.55	0.08	0.02	0.02	0.09	0.09	0.055	0.30	0.35	33.4	14.4	0.35	792	1.98	0.35	0.35	792	1.98	1.98	0.01	0.01	0.01	0.66	
0522200E 3710050N		59.3	2.42	6.38	6.38	0.09	<0.02	<0.02	0.08	0.08	0.037	0.23	0.34	37.7	14.3	0.34	358	1.31	0.34	0.34	358	1.31	1.31	0.01	0.01	0.01	0.47	
0522200E 3710100N		38.6	2.99	7.81	7.81	0.11	0.03	0.03	0.04	0.04	0.033	0.45	0.65	44.3	26.0	0.65	266	1.41	0.65	0.65	266	1.41	1.41	0.01	0.01	0.01	0.67	
0522200E 3710150N		97.2	2.70	6.27	6.27	0.11	0.07	0.07	0.09	0.09	0.052	0.30	0.41	47.0	15.2	0.41	593	2.06	0.41	0.41	593	2.06	2.06	0.01	0.01	0.01	0.60	
0522200E 3710200N		76.6	2.59	7.28	7.28	0.10	0.07	0.07	0.06	0.06	0.032	0.24	0.42	37.1	15.7	0.42	564	1.11	0.42	0.42	564	1.11	1.11	0.01	0.01	0.01	0.45	
0522200E 3710250N		86.6	3.10	6.40	6.40	0.08	0.07	0.07	0.07	0.07	0.040	0.33	0.50	29.6	12.5	0.50	421	1.07	0.50	0.50	421	1.07	1.07	0.01	0.01	0.01	0.39	
0522200E 3710300N		50.2	3.48	4.78	4.78	0.07	0.03	0.03	0.06	0.06	0.030	0.31	0.52	14.4	8.6	0.52	324	1.19	0.52	0.52	324	1.19	1.19	0.02	0.02	0.02	0.26	
0522200E 3710350N		57.8	3.70	7.32	7.32	0.07	0.05	0.05	0.04	0.04	0.037	0.61	0.86	14.9	14.6	0.86	394	0.84	0.86	0.86	394	0.84	0.84	0.02	0.02	0.02	0.31	
0522200E 3710400N		44.5	2.85	9.31	9.31	0.07	0.07	0.07	0.03	0.03	0.033	0.57	0.72	14.3	19.5	0.72	218	0.81	0.72	0.72	218	0.81	0.81	0.01	0.01	0.01	0.49	
0522500E 3710350N		48.2	2.93	7.22	7.22	0.10	0.06	0.06	0.05	0.05	0.041	0.50	0.73	26.4	14.4	0.73	470	0.96	0.73	0.73	470	0.96	0.96	0.01	0.01	0.01	0.33	
0522500E 3710400N		42.6	3.47	8.50	8.50	0.10	0.06	0.06	0.05	0.05	0.043	0.58	0.91	30.3	18.0	0.91	314	0.82	0.91	0.91	314	0.82	0.82	0.01	0.01	0.01	0.41	
0522500E 3710450N		65.2	3.24	6.30	6.30	0.08	0.04	0.04	0.04	0.04	0.044	0.49	0.69	23.9	12.3	0.69	395	0.92	0.69	0.69	395	0.92	0.92	0.02	0.02	0.02	0.61	
0522500E 3710500N		37.3	3.46	7.69	7.69	0.09	0.07	0.07	0.04	0.04	0.034	0.57	0.84	24.0	15.4	0.84	353	0.65	0.84	0.84	353	0.65	0.65	0.02	0.02	0.02	0.32	
0522500E 3710550N		52.0	3.36	8.65	8.65	0.06	0.07	0.07	0.03	0.03	0.023	0.46	1.53	16.1	28.6	1.53	231	0.58	1.53	1.53	231	0.58	0.58	0.17	0.17	0.17	0.18	
0522500E 3710600N		66.3	2.65	6.38	6.38	0.08	0.06	0.06	0.02	0.02	0.028	0.47	1.09	15.9	20.2	1.09	144	0.49	1.09	1.09	144	0.49	0.49	0.12	0.12	0.12	0.19	
0522500E 3710650N		58.7	3.04	6.53	6.53	0.07	0.03	0.03	0.02	0.02	0.022	0.43	1.38	13.2	22.0	1.38	134	0.46	1.38	1.38	134	0.46	0.46	0.09	0.09	0.09	0.17	
0522650E 3710000N		50.7	3.50	6.93	6.93	0.08	0.06	0.06	0.06	0.06	0.042	0.36	0.51	23.3	14.6	0.51	291	0.96	0.51	0.51	291	0.96	0.96	0.01	0.01	0.01	0.35	
0522650E 3710050N		55.6	3.90	8.18	8.18	0.08	0.06	0.06	0.06	0.06	0.048	0.42	0.64	25.7	17.0	0.64	359	1.02	0.64	0.64	359	1.02	1.02	0.01	0.01	0.01	0.48	
0522650E 3710100N		78.8	3.84	7.66	7.66	0.08	0.07	0.07	0.06	0.06	0.066	0.37	0.55	24.3	17.1	0.55	319	1.28	0.55	0.55	319	1.28	1.28	0.01	0.01	0.01	0.35	
0522650E 3710150N		66.4	3.61	7.91	7.91	0.07	0.06	0.06	0.03	0.03	0.064	0.48	0.73	22.7	22.7	0.73	665	0.79	0.73	0.73	665	0.79	0.79	0.01	0.01	0.01	0.33	
0522650E 3710200N		88.2	1.60	0.83	0.83	0.05	0.02	0.02	0.03	0.03	0.031	0.13	0.22	14.5	0.9	0.22	781	0.35	0.22	0.22	781	0.35	0.35	<0.01	<0.01	<0.01	<0.05	
0522650E 3710250N		65.1	3.43	6.72	6.72	0.08	0.04	0.04	0.08	0.08	0.040	0.50	0.54	21.6	15.7	0.54	483	1.69	0.54	0.54	483	1.69	1.69	0.01	0.01	0.01	0.66	
0522650E 3710300N		65.3	3.35	7.95	7.95	0.08	0.11	0.11	0.05	0.05	0.046	0.26	0.63	23.5	15.3	0.63	201	0.81	0.63	0.63	201	0.81	0.81	0.01	0.01	0.01	0.42	
0522650E 3710350N		90.5	4.04	9.53	9.53	0.09	0.14	0.14	0.05	0.05	0.068	0.28	0.76	21.9	18.6	0.76	257	0.96	0.76	0.76	257	0.96	0.96	0.04	0.04	0.04	0.41	
0522650E 3710400N		51.6	3.59	8.19	8.19	0.08	0.15	0.15	0.05	0.05	0.047	0.29	0.59	25.2	17.2	0.59	361	0.89	0.59	0.59	361	0.89	0.89	0.01	0.01	0.01	0.48	
0522700E 3709500N		77.0	4.04	9.62	9.62	0.12	0.03	0.03	0.04	0.04	0.028	0.88	1.07	29.6	36.8	1.07	391	0.87	1.07	1.07	391	0.87	0.87	0.04	0.04	0.04	0.94	
0522700E 3709550N		65.6	4.17	8.73	8.73	0.07	0.04	0.04	0.03	0.03	0.028	1.07	1.31	15.0	42.0	1.31	182	0.55	1.31	1.31	182	0.55	0.55	0.05	0.05	0.05	0.41	
0522700E 3709600N		73.1	4.69	9.04	9.04	0.10	0.02	0.02	0.01	0.01	0.034	1.34	1.43	12.9	44.1	1.43	275	0.59	1.43	1.43	275	0.59	0.59	0.05	0.05	0.05	0.63	



Project: Richmond Basin

CERTIFICATE OF ANALYSIS RE17174758

Method Analyte Units LOD	AuME-TL43 Ni ppm	AuME-TL43 P ppm	AuME-TL43 Pb ppm	AuME-TL43 Rb ppm	AuME-TL43 Re ppm	AuME-TL43 S %	AuME-TL43 Sb ppm	AuME-TL43 Sc ppm	AuME-TL43 Se ppm	AuME-TL43 Sn ppm	AuME-TL43 Sr ppm	AuME-TL43 Ta ppm	AuME-TL43 Te ppm	AuME-TL43 Th ppm	AuME-TL43 Tl %
0522050E 3710050N	16.3	1750	117.5	42.8	<0.001	0.01	3.13	5.2	0.2	1.7	28.4	<0.01	0.19	8.7	0.050
0522050E 3710100N	15.1	350	91.5	40.5	<0.001	0.01	2.70	4.9	0.3	1.4	25.0	<0.01	0.15	10.2	0.058
0522050E 3710150N	20.2	490	277	40.5	0.001	0.01	3.43	6.6	0.5	1.9	28.2	<0.01	0.28	8.6	0.038
0522050E 3710200N	33.5	800	404	65.7	0.001	0.01	4.93	9.0	0.3	1.4	32.7	<0.01	0.40	9.6	0.093
0522050E 3710250N	40.0	610	74.3	64.2	<0.001	0.01	8.9	8.9	<0.2	0.8	42.4	<0.01	0.13	4.9	0.114
0522050E 3710300N	18.2	440	58.1	35.1	<0.001	0.01	0.98	5.1	0.2	1.0	24.5	<0.01	0.11	5.6	0.042
0522050E 3710350N	15.1	350	37.8	28.4	<0.001	0.01	0.73	4.7	0.4	1.2	20.1	<0.01	0.14	5.0	0.030
0522050E 3710400N	20.0	330	14.1	29.4	<0.001	0.01	0.41	4.4	0.3	0.7	23.5	<0.01	0.10	3.8	0.027
0522050E 3710450N	20.7	360	9.6	34.1	<0.001	<0.01	0.29	4.3	0.2	0.6	20.4	<0.01	0.10	4.8	0.043
0522050E 3710500N	59.9	1640	11.4	34.3	0.001	<0.01	0.18	3.5	<0.2	0.6	60.2	<0.01	0.09	1.4	0.098
0522200E 3709900N	18.3	610	64.5	40.0	0.001	0.02	1.20	4.5	0.5	2.6	42.7	<0.01	0.24	9.5	0.048
0522200E 3709950N	16.7	300	51.9	34.9	<0.001	<0.01	0.85	5.7	0.3	1.5	31.2	<0.01	0.13	10.7	0.054
0522200E 3710000N	16.6	690	56.5	38.5	0.001	0.02	0.81	3.9	0.6	2.0	30.9	<0.01	0.17	5.1	0.031
0522200E 3710050N	13.6	510	31.8	31.4	<0.001	0.01	0.86	3.4	0.6	1.3	22.9	<0.01	0.10	8.0	0.030
0522200E 3710100N	15.9	550	37.7	63.9	0.001	0.01	0.57	5.6	0.4	1.5	22.1	<0.01	0.06	24.1	0.076
0522200E 3710150N	16.1	350	78.1	40.0	<0.001	<0.01	1.48	4.9	0.4	1.8	31.2	<0.01	0.21	19.0	0.058
0522200E 3710200N	19.0	800	107.0	33.5	<0.001	0.01	1.42	5.6	0.4	1.1	34.7	<0.01	0.06	10.9	0.041
0522200E 3710250N	26.9	600	123.0	35.4	<0.001	0.01	3.62	5.7	<0.2	1.1	31.2	<0.01	0.13	9.6	0.052
0522200E 3710300N	27.0	770	54.6	30.8	<0.001	<0.01	0.97	4.0	<0.2	2.0	21.9	<0.01	0.16	7.1	0.080
0522200E 3710350N	41.4	880	17.0	52.5	0.001	0.01	0.33	5.5	0.3	1.0	28.5	<0.01	0.17	4.1	0.086
0522200E 3710400N	21.0	560	11.5	44.9	0.001	0.01	0.33	8.5	0.2	1.0	26.0	<0.01	0.11	6.5	0.075
0522500E 3710350N	26.2	1080	14.3	44.1	0.001	<0.01	0.34	5.4	<0.2	1.0	26.2	<0.01	0.08	5.8	0.069
0522500E 3710400N	25.1	990	12.5	45.3	<0.001	0.01	0.39	6.3	0.3	1.0	21.5	<0.01	0.08	4.7	0.063
0522500E 3710450N	24.3	1450	16.6	33.4	<0.001	0.01	0.42	4.8	0.2	1.1	29.3	<0.01	0.14	4.3	0.070
0522500E 3710500N	37.4	1070	12.4	35.0	<0.001	<0.01	0.28	5.1	0.3	0.8	26.3	<0.01	0.08	4.1	0.061
0522500E 3710550N	84.3	1600	6.5	33.2	0.004	<0.01	0.16	2.8	0.2	0.6	88.9	<0.01	0.04	2.1	0.062
0522500E 3710600N	58.3	2240	9.1	34.5	0.001	0.02	0.19	1.9	<0.2	0.8	53.3	<0.01	0.10	1.3	0.055
0522500E 3710650N	73.7	2200	5.6	20.0	0.001	0.02	0.17	1.5	0.3	0.7	51.0	<0.01	0.08	1.0	0.054
0522650E 3710000N	22.6	370	18.4	30.2	<0.001	0.01	0.48	6.5	<0.2	1.4	16.0	<0.01	0.09	6.8	0.060
0522650E 3710050N	25.1	420	42.1	38.0	<0.001	0.02	0.61	8.1	0.2	7.5	20.5	<0.01	0.08	6.0	0.067
0522650E 3710100N	25.3	350	22.8	35.9	0.001	0.02	0.53	7.0	0.4	1.9	25.2	<0.01	0.14	6.3	0.062
0522650E 3710150N	27.3	760	27.1	34.2	0.002	0.05	0.72	8.0	0.3	1.8	71.1	<0.01	0.09	4.7	0.045
0522650E 3710200N	1.8	870	67.3	6.4	0.001	0.02	1.72	4.0	<0.2	0.3	33.7	<0.01	0.08	2.4	<0.005
0522650E 3710250N	20.9	710	19.6	31.7	0.002	0.04	0.46	5.3	0.3	1.4	35.4	<0.01	0.11	4.8	0.062
0522650E 3710300N	15.7	750	16.7	16.7	0.001	0.03	0.30	7.3	0.2	1.4	36.5	<0.01	0.09	6.1	0.034
0522650E 3710350N	36.9	1370	23.1	18.1	0.001	0.03	0.32	8.2	0.2	1.3	43.3	<0.01	0.11	5.0	0.051
0522650E 3710400N	30.5	390	17.5	21.3	<0.001	0.03	0.35	7.3	0.2	1.1	25.9	<0.01	0.06	6.2	0.035
0522700E 3709500N	44.4	1250	16.1	73.6	0.001	0.03	0.31	6.1	0.3	1.0	49.6	<0.01	0.05	12.6	0.188
0522700E 3709550N	63.1	1400	6.8	61.8	0.001	0.02	0.22	3.3	0.2	0.7	45.4	<0.01	0.08	1.9	0.206
0522700E 3709600N	61.6	1450	9.9	91.5	0.001	0.02	0.15	3.4	0.2	1.1	31.9	<0.01	0.12	2.2	0.302



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CERTIFICATE OF ANALYSIS RE17174758

Sample Description	Method Analyte Units LOD	AuME-TL43 TI ppm	AuME-TL43 U ppm	AuME-TL43 V ppm	AuME-TL43 W ppm	AuME-TL43 Y ppm	AuME-TL43 Zn ppm	AuME-TL43 Zr ppm	Ag-OC46 Ag ppm
0522050E 3710050N		0.34	1.67	48	0.17	18.90	66	1.5	
0522050E 3710100N		0.33	1.57	42	0.16	13.05	66	2.2	
0522050E 3710150N		0.44	2.13	68	0.17	15.30	140	1.9	
0522050E 3710200N		0.59	2.36	99	0.15	19.10	172	1.7	
0522050E 3710250N		0.51	1.46	94	0.09	20.9	92	1.6	
0522050E 3710300N		0.32	1.58	50	0.13	15.45	56	1.3	
0522050E 3710350N		0.30	0.98	47	0.16	13.15	44	1.4	
0522050E 3710400N		0.29	0.62	42	0.10	10.65	35	1.6	
0522050E 3710450N		0.28	0.55	44	0.10	9.55	34	1.8	
0522050E 3710500N		0.37	0.20	115	0.10	19.75	63	2.1	
0522200E 3709900N		0.28	1.74	41	0.18	15.45	105	2.0	
0522200E 3709950N		0.31	2.05	51	0.14	17.45	65	2.2	
0522200E 3710000N		0.31	2.08	53	0.13	17.55	73	0.7	
0522200E 3710050N		0.26	1.95	43	0.14	13.90	64	<0.5	
0522200E 3710100N		0.43	2.22	52	0.13	11.15	57	1.3	
0522200E 3710150N		0.30	2.53	51	0.14	15.65	83	2.9	
0522200E 3710200N		0.32	2.31	54	0.14	19.25	65	2.2	
0522200E 3710250N		0.29	1.53	79	0.12	17.00	72	2.4	
0522200E 3710300N		0.20	0.61	127	0.24	11.35	58	1.3	
0522200E 3710350N		0.35	0.51	96	0.19	15.45	50	1.5	
0522200E 3710400N		0.35	0.51	70	0.19	11.15	39	2.5	
0522500E 3710350N		0.29	0.60	68	0.10	18.95	44	2.4	
0522500E 3710400N		0.23	0.88	75	0.10	18.20	41	1.7	
0522500E 3710450N		0.18	0.61	100	0.12	15.90	56	1.8	
0522500E 3710500N		0.22	0.58	93	0.09	16.55	44	2.1	
0522500E 3710550N		0.39	0.39	68	0.14	14.80	53	2.0	
0522500E 3710600N		0.28	0.20	81	0.12	19.85	43	1.3	
0522500E 3710650N		0.24	0.14	71	0.16	18.15	49	0.9	
0522650E 3710000N		0.21	0.64	106	0.10	14.25	36	2.0	
0522650E 3710050N		0.24	0.73	110	0.08	14.35	44	2.1	
0522650E 3710100N		0.23	0.65	101	0.10	13.65	45	2.5	
0522650E 3710150N		0.24	0.87	79	0.11	14.85	91	1.8	
0522650E 3710200N		0.03	0.77	10	0.13	4.92	251	<0.5	
0522650E 3710250N		0.19	0.64	99	0.11	14.10	51	1.5	
0522650E 3710300N		0.13	0.42	91	<0.05	14.90	32	3.3	
0522650E 3710350N		0.17	0.40	120	0.07	25.1	45	4.1	
0522650E 3710400N		0.19	0.56	88	0.09	16.95	37	4.5	
0522700E 3709500N		0.44	3.69	94	0.27	23.4	63	1.3	
0522700E 3709550N		0.47	0.34	84	0.11	10.55	53	1.3	
0522700E 3709600N		0.63	0.37	100	0.18	10.20	68	0.7	

Project: Richmond Basin

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Method Analyte Units LOD	WEI-21 Recyd Wt. kg	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
		AuME-TL43 ppm	AuME-TL43 ppm	AuME-TL43 %	AuME-TL43 ppm	AuME-TL43 ppm	AuME-TL43 ppm	AuME-TL43 ppm	AuME-TL43 %	AuME-TL43 ppm	AuME-TL43 ppm	AuME-TL43 ppm	AuME-TL43 ppm	AuME-TL43 ppm
0522700E 3709650N	0.42	0.002	0.07	3.73	1.2	410	0.25	0.16	0.63	0.07	26.0	36.1	75	18.60
0522700E 3709700N	0.48	0.002	0.29	1.56	6.1	80	0.70	0.36	0.22	0.16	44.2	11.5	22	3.43
0522700E 3709750N	0.44	0.001	0.98	1.70	4.5	110	0.72	0.30	0.32	0.15	40.5	15.6	26	5.46
0522700E 3709800N	0.44	0.002	3.37	1.97	7.1	170	0.77	0.62	0.76	0.32	42.1	18.8	31	5.31
0522700E 3709850N	0.36	0.003	1.21	2.17	7.9	120	1.36	0.35	0.24	0.15	62.5	15.9	27	2.98
0522700E 3709900N	0.40	0.002	1.24	2.31	7.4	130	1.13	0.54	0.81	0.27	44.6	15.6	27	3.99
0522700E 3709950N	0.42	0.001	2.08	2.72	4.7	210	0.75	0.36	0.61	0.28	41.1	21.7	52	3.77
0522700E 3710000N	0.52	0.002	8.64	2.57	3.0	190	0.67	0.20	0.56	0.15	42.7	22.6	54	4.89
0522700E 3710050N	0.42	0.004	49.3	2.57	5.4	170	0.91	0.66	0.69	0.20	44.3	19.0	33	3.07
0522700E 3710100N	0.40	0.002	17.45	2.18	4.9	280	0.62	0.48	0.66	0.30	36.9	22.4	66	5.37
0522100E 3710050N	0.44	0.001	0.42	2.52	5.5	150	2.53	0.44	0.34	0.17	137.0	9.4	18	3.28
0522100E 3710100N	0.46	<0.001	0.55	1.11	5.8	100	0.90	0.64	0.31	0.21	67.2	9.2	19	2.31
0522100E 3710150N	0.46	0.001	2.42	1.51	9.7	170	1.01	0.79	0.36	0.29	73.3	12.5	34	2.86
0522100E 3710200N	0.46	<0.001	3.68	1.40	12.4	160	0.99	0.81	0.33	0.47	92.6	10.0	26	2.36
0522100E 3710250N	0.38	0.002	4.12	2.78	11.6	170	1.85	1.02	0.24	0.18	103.0	14.2	28	2.59
0522100E 3710300N	0.38	0.002	1.06	1.96	13.4	130	1.06	1.26	0.32	0.49	64.2	17.7	25	4.12
0522100E 3710350N	0.30	0.001	0.75	2.18	44.9	120	1.07	1.67	0.26	0.67	72.9	14.4	28	3.20
0522100E 3710400N	0.42	0.001	0.21	1.65	12.9	130	0.94	0.87	0.20	0.48	105.5	11.4	30	3.02
0522100E 3710450N	0.38	0.001	0.16	1.88	4.6	150	0.81	0.67	0.50	0.25	50.6	16.9	48	5.41
0522100E 3710500N	0.46	0.002	0.11	3.16	5.8	180	0.46	0.92	1.00	0.23	25.6	30.5	91	14.75
0522100E 3710550N	0.42	0.001	0.10	3.11	6.9	190	0.39	1.07	1.13	0.27	30.1	34.0	86	16.80
0522100E 3710600N	0.46	<0.001	0.05	3.25	1.9	120	0.44	0.73	1.12	0.12	28.9	36.3	109	9.53
0522150E 3710050N	0.44	<0.001	0.31	1.44	4.0	130	1.24	0.24	0.20	0.14	99.8	9.3	18	2.32
0522150E 3710100N	0.46	0.001	0.66	1.65	5.9	120	1.57	0.43	0.45	0.22	89.3	11.6	16	3.49
0522150E 3710150N	0.40	0.001	8.94	1.37	11.4	130	0.93	0.49	0.24	0.29	88.6	11.9	19	1.89
0522150E 3710200N	0.48	0.001	6.00	1.31	16.6	140	0.79	1.23	0.22	0.50	56.9	11.2	21	1.88
0522150E 3710250N	0.50	0.003	13.35	1.72	25.2	140	1.02	3.23	0.21	0.53	56.0	11.6	29	2.33
0522150E 3710300N	0.40	0.001	7.17	1.95	7.3	190	1.16	0.43	0.43	0.37	64.6	12.5	33	2.66
0522150E 3710350N	0.44	0.001	0.76	2.78	4.0	150	0.79	0.49	0.47	0.15	42.7	23.3	115	5.28
0522150E 3710400N	0.40	<0.001	0.41	2.23	4.1	160	0.48	0.53	0.72	0.17	32.8	20.7	88	9.13
0522150E 3710450N	0.42	0.001	0.06	2.48	3.2	130	0.53	0.48	0.57	0.12	37.0	24.6	96	7.94
0522150E 3710500N	0.46	0.001	0.10	2.41	3.4	130	0.44	0.73	0.75	0.15	21.1	27.2	166	11.40
0522150E 3710550N	0.36	0.001	0.09	3.29	3.9	170	0.53	0.58	0.78	0.15	27.2	32.2	119	10.05
0522150E 3710600N	0.40	0.001	0.05	3.37	6.6	170	0.24	0.79	1.23	0.18	25.9	32.9	87	20.1
0522550E 3709750N	0.56	<0.001	0.36	1.47	5.8	110	1.29	0.31	0.16	0.18	55.9	6.6	13	3.67
0522550E 3709800N	0.50	0.005	16.80	1.73	21.5	110	1.34	2.43	0.21	0.38	50.2	9.9	18	3.15
0522550E 3709850N	0.48	0.003	14.00	1.88	9.4	170	1.01	1.09	0.63	0.31	55.3	13.1	24	3.47
0522550E 3709900N	0.40	0.002	23.7	1.93	5.9	160	0.94	0.62	0.42	0.18	50.0	15.5	33	3.76
0522550E 3709950N	0.22	0.002	12.60	2.67	6.9	250	1.00	0.52	0.48	0.16	41.9	22.0	52	7.62
0522550E 3710000N	0.36	0.002	4.48	2.39	3.0	230	0.91	0.37	0.54	0.12	38.6	21.0	44	4.38



Project: Richmond Basin

CERTIFICATE OF ANALYSIS REI7174758

Method Analyte Units LOD	Sample Description	Ni ppm	Pb ppm	Pb ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %
	0522700E 3709650N	86.7	3.4	122.0	0.001	0.02	0.08	0.2	0.7	38.5	0.01	0.02	0.02	0.01	1.4	0.760	
	0522700E 3709700N	17.9	290	11.9	28.0	0.03	0.46	0.3	1.0	28.9	<0.01	0.07	0.07	<0.01	5.8	0.058	
	0522700E 3709750N	24.6	330	14.4	40.9	0.02	0.54	0.3	0.8	32.4	<0.01	0.04	0.04	<0.01	3.7	0.108	
	0522700E 3709800N	30.9	820	25.9	47.2	0.04	0.87	0.3	1.4	43.4	<0.01	0.12	0.12	<0.01	4.8	0.097	
	0522700E 3709850N	21.7	400	14.6	40.3	<0.001	0.46	0.2	1.3	22.2	<0.01	0.06	0.06	<0.01	8.8	0.059	
	0522700E 3709900N	24.6	720	19.1	32.6	0.05	0.46	0.4	1.1	52.7	<0.01	0.10	0.10	<0.01	4.3	0.061	
	0522700E 3709950N	38.7	900	16.7	34.4	0.01	0.74	0.2	0.9	40.7	<0.01	0.06	0.06	<0.01	4.7	0.079	
	0522700E 3710000N	37.0	1390	14.2	42.1	<0.001	0.72	<0.2	0.6	34.5	<0.01	0.05	0.05	<0.01	4.1	0.113	
	0522700E 3710050N	24.1	1430	97.6	26.2	0.02	6.63	0.3	0.5	37.2	<0.01	0.22	0.22	<0.01	3.9	0.074	
	0522700E 3710100N	47.2	1460	39.0	39.7	0.001	2.44	0.4	1.7	48.4	<0.01	0.14	0.14	<0.01	4.2	0.120	
	0522100E 3710050N	18.1	460	52.0	71.0	0.02	0.51	0.3	1.4	31.3	<0.01	0.06	0.06	<0.01	45.1	0.062	
	0522100E 3710100N	13.5	300	35.5	38.1	0.03	1.07	0.3	1.1	28.9	<0.01	0.09	0.09	<0.01	10.5	0.061	
	0522100E 3710150N	21.9	490	54.9	40.1	0.001	1.58	0.4	1.1	33.5	<0.01	0.14	0.14	<0.01	15.4	0.058	
	0522100E 3710200N	17.3	590	75.4	33.9	0.02	3.87	0.4	1.2	28.4	<0.01	0.21	0.21	<0.01	19.9	0.050	
	0522100E 3710250N	20.4	420	129.0	41.1	0.02	2.04	0.3	1.3	26.7	<0.01	0.17	0.17	<0.01	13.0	0.035	
	0522100E 3710300N	23.2	530	58.5	37.0	0.03	1.02	0.6	2.0	29.0	<0.01	0.23	0.23	<0.01	4.8	0.034	
	0522100E 3710350N	21.8	1220	133.5	41.3	0.04	1.53	0.8	2.7	23.4	<0.01	0.51	0.51	<0.01	3.3	0.042	
	0522100E 3710400N	19.2	550	59.5	33.9	0.001	0.92	0.3	1.5	22.4	<0.01	0.20	0.20	<0.01	7.7	0.058	
	0522100E 3710450N	32.3	720	34.3	45.9	0.001	0.44	0.3	0.9	40.0	<0.01	0.09	0.09	<0.01	4.3	0.078	
	0522100E 3710500N	66.7	1660	16.9	56.1	0.001	0.30	0.4	1.1	60.7	<0.01	0.17	0.17	<0.01	1.7	0.100	
	0522100E 3710550N	70.4	1960	15.5	59.0	0.03	0.29	0.2	1.2	72.6	<0.01	0.30	0.30	<0.01	1.7	0.087	
	0522100E 3710600N	86.2	1570	6.6	30.1	<0.001	0.14	0.2	0.5	70.1	<0.01	0.02	0.02	<0.01	1.6	0.072	
	0522150E 3710300N	14.5	340	17.0	45.8	<0.001	0.48	0.2	1.1	24.6	<0.01	0.04	0.04	<0.01	22.3	0.068	
	0522150E 3710100N	15.4	560	17.1	64.3	0.001	0.52	0.2	1.3	39.8	<0.01	0.09	0.09	<0.01	34.9	0.074	
	0522150E 3710150N	13.4	400	92.9	35.3	<0.001	1.94	0.4	1.1	22.7	<0.01	0.10	0.10	<0.01	13.0	0.044	
	0522150E 3710200N	14.3	430	129.5	28.4	0.02	2.76	0.4	1.8	21.6	<0.01	0.24	0.24	<0.01	8.9	0.043	
	0522150E 3710250N	18.2	970	40.4	30.7	0.001	7.17	0.6	2.8	22.6	<0.01	0.76	0.76	<0.01	9.1	0.044	
	0522150E 3710300N	21.3	740	44.9	41.6	0.03	0.82	0.5	1.0	34.2	<0.01	0.08	0.08	<0.01	5.8	0.038	
	0522150E 3710350N	48.7	770	20.2	35.9	<0.001	0.34	0.2	0.8	29.3	<0.01	0.09	0.09	<0.01	6.4	0.065	
	0522150E 3710400N	47.5	1350	38.0	41.9	0.001	0.53	0.2	0.8	42.0	<0.01	0.08	0.08	<0.01	3.0	0.063	
	0522150E 3710450N	51.3	930	9.9	43.3	<0.001	0.24	<0.2	0.7	37.5	<0.01	0.07	0.07	<0.01	3.5	0.062	
	0522150E 3710500N	63.1	1430	13.1	43.5	<0.001	0.21	0.2	0.9	40.4	<0.01	0.11	0.11	<0.01	1.5	0.094	
	0522150E 3710550N	69.0	1220	12.3	43.6	0.02	0.22	<0.2	0.9	45.3	<0.01	0.08	0.08	<0.01	2.1	0.097	
	0522150E 3710600N	84.9	1810	12.2	50.5	0.001	0.26	0.3	1.3	101.5	<0.01	0.14	0.14	<0.01	1.1	0.052	
	0522550E 3709750N	14.2	360	12.2	70.4	0.02	0.37	0.2	1.4	16.5	<0.01	0.07	0.07	<0.01	23.6	0.096	
	0522550E 3709800N	17.6	810	58.2	39.5	0.005	2.44	0.8	5.0	17.8	<0.01	0.46	0.46	<0.01	16.0	0.071	
	0522550E 3709850N	20.1	2540	25.4	44.8	0.001	1.20	0.4	1.6	21.7	<0.01	0.15	0.15	<0.01	23.3	0.067	
	0522550E 3709900N	24.2	1260	21.4	43.8	<0.001	1.15	0.3	1.0	21.6	<0.01	0.09	0.09	<0.01	17.4	0.071	
	0522550E 3709950N	40.9	980	56.6	65.8	<0.001	1.64	0.3	2.3	27.2	<0.01	0.13	0.13	<0.01	12.1	0.145	
	0522550E 3710000N	35.3	600	17.3	33.3	0.001	0.41	<0.2	1.0	38.1	<0.01	0.06	0.06	<0.01	4.8	0.084	



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 Account: NORTHS

Project: Richmond Basin

CERTIFICATE OF ANALYSIS REI7174758

Sample Description	Method Analyte Units LOD	Tl ppm	AuME-TL43 AuME-TL43 ppm 0.05	U ppm	AuME-TL43 AuME-TL43 ppm 0.05	V ppm	AuME-TL43 AuME-TL43 ppm 1	W ppm	AuME-TL43 AuME-TL43 ppm 0.05	Y ppm	AuME-TL43 AuME-TL43 ppm 0.05	Zn ppm	AuME-TL43 AuME-TL43 ppm 2	Zr ppm	AuME-TL43 AuME-TL43 ppm 0.5	Ag ppm	Ag-OC#6 ppm
0522700E 3709650N		0.23	0.82	136	0.14	12.80	74	0.8	12.80	14.40	48	2.7	74	0.8	0.8		
0522700E 3709700N		0.20	0.68	65	0.10	12.15	31	1.6	12.15	17.80	57	3.4	31	1.6	1.6		
0522700E 3709750N		0.27	0.80	70	0.13	13.50	52	1.7	13.50	18.20	71	1.8	52	1.7	1.7		
0522700E 3709800N		0.29	0.55	78	0.10	13.25	63	2.4	13.25	18.15	95	1.9	63	2.4	2.4		
0522700E 3709850N		0.27	1.50	80	0.07	20.5	38	1.9	20.5	13.15	86	1.8	38	1.9	1.9		
0522700E 3709900N		0.23	0.82	77	0.08	14.40	48	2.7	14.40	17.80	57	3.4	48	2.7	2.7		
0522700E 3709950N		0.28	0.59	100	0.10	17.80	31	1.6	17.80	18.20	71	1.8	31	1.6	1.6		
0522700E 3710000N		0.27	0.53	116	0.18	18.20	71	1.8	18.20	18.15	95	1.9	71	1.8	1.8		
0522700E 3710050N		0.15	0.46	118	0.11	18.15	95	1.9	18.15	13.15	86	1.8	95	1.9	1.9		
0522700E 3710100N		0.30	0.84	99	0.19	13.15	86	1.8	13.15	16.20	41	6.9	86	1.8	1.8		
0522100E 3710050N		0.41	2.51	42	0.12	16.20	41	6.9	16.20	8.36	45	1.8	41	6.9	6.9		
0522100E 3710100N		0.25	1.11	38	0.13	8.36	45	1.8	8.36	14.65	61	2.5	38	0.13	0.13		
0522100E 3710150N		0.22	1.86	52	0.15	14.65	61	2.5	14.65	13.15	70	2.8	52	0.15	0.15		
0522100E 3710200N		0.21	1.86	47	0.19	13.15	70	2.8	13.15	17.55	58	3.4	47	0.19	0.19		
0522100E 3710250N		0.39	2.05	69	0.07	17.55	58	3.4	17.55	14.80	62	1.5	69	0.07	0.07		
0522100E 3710300N		0.33	1.08	50	0.11	14.80	62	1.5	14.80	13.75	143	1.0	50	0.11	0.11		
0522100E 3710350N		0.33	1.57	54	0.15	13.75	143	1.0	13.75	16.05	67	1.8	54	0.15	0.15		
0522100E 3710400N		0.28	1.38	52	0.14	16.05	67	1.8	16.05	14.50	64	2.3	52	0.14	0.14		
0522100E 3710450N		0.31	0.77	66	0.09	14.50	64	2.3	14.50	20.0	73	2.0	66	0.09	0.09		
0522100E 3710500N		0.40	0.22	108	0.09	20.0	73	2.0	20.0	21.6	90	1.7	108	0.09	0.09		
0522100E 3710550N		0.46	0.29	100	0.12	21.6	90	1.7	21.6	22.4	75	2.3	100	0.12	0.12		
0522100E 3710600N		0.26	0.25	118	0.08	22.4	75	2.3	22.4	13.25	46	1.9	118	0.08	0.08		
0522100E 3710650N		0.23	1.83	38	0.13	13.25	46	1.9	13.25	20.4	48	1.9	38	0.13	0.13		
0522150E 3710100N		0.32	2.22	43	0.11	20.4	48	1.9	20.4	11.00	55	1.8	43	0.11	0.11		
0522150E 3710150N		0.28	2.12	47	0.17	11.00	55	1.8	11.00	11.70	80	1.5	47	0.17	0.17		
0522150E 3710200N		0.22	1.77	47	0.16	11.70	80	1.5	11.70	13.20	111	1.1	47	0.16	0.16		
0522150E 3710250N		0.25	2.11	72	0.21	13.20	111	1.1	13.20	16.15	92	1.6	72	0.21	0.21		
0522150E 3710300N		0.29	1.78	51	0.15	16.15	92	1.6	16.15	17.95	48	2.8	51	0.15	0.15		
0522150E 3710350N		0.29	0.57	116	0.17	17.95	48	2.8	17.95	17.10	58	1.8	116	0.17	0.17		
0522150E 3710400N		0.32	0.49	96	0.16	17.10	58	1.8	17.10	16.40	49	2.4	96	0.16	0.16		
0522150E 3710450N		0.34	0.42	103	0.15	16.40	49	2.4	16.40	16.35	64	1.8	103	0.15	0.15		
0522150E 3710500N		0.34	0.22	161	0.15	16.35	64	1.8	16.35	21.2	72	2.5	161	0.15	0.15		
0522150E 3710550N		0.31	0.28	138	0.09	21.2	72	2.5	21.2	17.85	70	1.3	138	0.09	0.09		
0522150E 3710600N		0.60	0.17	97	0.12	17.85	70	1.3	17.85	8.79	45	2.7	97	0.12	0.12		
0522550E 3709750N		0.33	1.81	41	0.16	8.79	45	2.7	8.79	16.00	73	0.9	41	0.16	0.16		
0522550E 3709800N		0.31	1.74	48	0.35	16.00	73	0.9	16.00	29.3	59	2.2	48	0.35	0.35		
0522550E 3709850N		0.28	1.49	51	0.21	29.3	59	2.2	29.3	22.4	49	1.5	51	0.21	0.21		
0522550E 3709900N		0.27	1.41	69	0.18	22.4	49	1.5	22.4	19.15	70	2.5	69	0.18	0.18		
0522550E 3709950N		0.43	0.91	109	0.43	19.15	70	2.5	19.15	18.05	48	4.0	109	0.43	0.43		
0522550E 3710000N		0.28	0.54	110	0.09	18.05	48	4.0	18.05				110	0.09	0.09		

Project: Richmond Basin

CERTIFICATE OF ANALYSIS RE17174758

Method Analyte Units LOD	WEI-Z1 Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
0522550E 3710050N	0.36	0.009	0.89	1.89	6.3	10	150	0.79	0.48	0.39	0.17	45.8	19.7	37	2.61
0522550E 3710100N	0.40	0.009	0.49	1.67	6.4	10	90	0.79	0.41	0.20	0.16	48.8	16.8	25	2.60
0522550E 3710150N	0.18	0.002	1.95	2.57	8.2	10	150	1.30	0.41	0.31	0.11	52.1	18.9	31	2.93
0522550E 3710200N	0.34	0.001	1.23	1.61	5.9	10	100	0.78	0.38	0.19	0.16	50.4	16.4	31	2.61
0522550E 3710250N	0.42	0.002	0.35	2.11	5.4	10	150	0.80	0.44	0.52	0.20	41.9	18.5	41	1.95
0522550E 3710300N	0.40	0.002	0.82	2.44	6.4	10	170	0.95	0.47	0.49	0.20	48.9	20.0	40	2.20
0522600E 3709750N	0.40	0.001	1.01	2.80	7.3	10	100	3.43	0.50	0.14	0.14	120.0	12.8	11	6.98
0522600E 3709800N	0.46	0.001	5.69	1.25	6.5	10	80	1.26	0.81	0.22	0.18	104.0	9.5	14	3.61
0522600E 3709850N	0.50	0.002	25.7	2.61	6.8	10	180	1.64	0.64	0.63	0.17	64.6	14.2	20	4.66
0522600E 3709900N	0.40	0.012	>100	2.80	13.9	10	270	1.58	2.44	0.37	0.21	44.2	19.9	35	3.44
0522600E 3709950N	0.46	0.002	21.1	1.65	2.5	10	130	0.77	0.35	0.32	0.09	40.1	14.8	41	4.15
0522600E 3710000N	0.44	0.001	3.83	2.46	2.6	10	200	0.63	0.22	0.55	0.11	34.7	23.4	73	10.60
0522600E 3710050N	0.36	0.003	4.71	2.44	5.6	10	170	0.70	0.53	0.54	0.21	38.4	22.4	60	7.83
0522600E 3710100N	0.32	0.001	0.67	2.13	5.4	10	120	0.87	0.40	0.24	0.12	49.3	20.5	58	5.33
0522600E 3710150N	0.48	0.002	1.20	1.48	6.1	10	90	0.70	0.41	0.17	0.16	53.3	18.3	45	2.96
0522600E 3710200N	0.42	0.003	0.42	2.11	3.3	10	480	0.81	0.17	0.76	0.28	36.3	57.5	39	17.10
0522600E 3710250N	0.42	0.002	0.66	1.64	8.1	10	90	0.78	0.54	0.19	0.19	54.4	16.9	30	2.78
0522600E 3710300N	0.40	0.002	0.21	2.38	5.4	10	150	0.80	0.42	0.65	0.15	46.1	19.9	51	2.58
0522600E 3710350N	0.40	0.002	0.23	2.23	6.1	20	160	0.97	0.50	0.71	0.19	44.6	22.5	48	2.82
0522600E 3710400N	0.38	0.001	0.16	1.58	6.5	10	110	1.00	0.40	0.20	0.17	49.2	18.1	39	2.34
0522650E 3709500N	0.36	0.002	0.22	1.79	10.2	10	140	1.50	1.20	0.62	0.44	62.4	15.8	23	4.65
0522650E 3709550N	0.42	0.002	0.40	2.65	11.2	10	120	2.12	0.82	0.21	0.27	63.4	13.4	25	4.17
0522650E 3709600N	0.42	0.001	0.22	2.53	6.7	10	150	1.96	0.66	0.51	0.22	85.7	18.1	52	8.60
0522650E 3709650N	0.44	0.002	0.88	2.05	3.8	10	140	0.82	0.26	0.47	0.10	38.4	17.9	43	6.01
0522650E 3709700N	0.40	0.002	0.51	1.94	4.6	10	110	1.44	0.29	0.45	0.15	63.9	7.6	14	2.70
0522650E 3709750N	0.42	0.002	19.10	1.74	5.9	10	130	1.27	0.72	0.56	0.32	54.9	13.6	28	3.90
0522650E 3709800N	0.40	0.001	2.95	1.69	6.0	10	130	0.88	0.54	0.50	0.25	42.7	14.9	26	3.26
0522650E 3709850N	0.42	0.002	3.35	1.73	3.9	10	110	1.30	0.28	0.53	0.16	79.5	11.0	19	3.94
0522650E 3709900N	0.50	0.004	21.3	2.23	4.8	10	160	1.24	0.47	0.61	0.27	56.7	16.3	24	5.02
0522650E 3709950N	0.38	0.001	4.72	1.76	5.3	10	110	0.75	0.42	0.30	0.18	43.0	16.3	45	3.25
0522200E 3710450N	0.22	0.001	0.11	2.32	9.3	10	170	0.90	2.02	0.53	0.19	53.8	21.6	106	9.35
0522200E 3710500N	0.26	0.002	0.14	2.46	5.6	10	190	0.67	0.66	0.82	0.28	31.4	23.7	67	6.49
0522200E 3710550N	0.36	0.001	0.10	2.29	7.9	10	140	0.50	0.99	0.57	0.31	32.8	23.0	105	6.98
0522200E 3710600N	0.44	0.001	0.04	2.99	4.6	10	150	0.22	0.56	1.01	0.10	24.0	29.0	133	16.45
0522200E 3710650N	0.38	0.005	0.05	3.88	1.5	10	160	0.28	0.38	1.10	0.05	26.7	37.5	87	8.30
0522200E 3710700N	0.48	0.002	0.03	3.10	2.1	10	160	0.25	0.29	1.05	0.06	20.4	32.3	104	13.75
0522250E 3710250N	0.36	0.002	7.38	1.94	8.6	10	190	1.00	1.06	0.36	0.32	38.4	23.0	59	5.19
0522250E 3710300N	0.40	0.001	0.84	1.83	3.8	10	130	0.77	0.86	0.38	0.20	31.5	19.0	75	6.13
0522250E 3710350N	0.36	0.001	0.63	1.69	5.7	10	130	0.81	0.48	0.29	0.16	39.3	19.1	51	4.26
0522250E 3710400N	0.34	0.001	0.08	2.24	2.9	10	140	0.62	0.53	0.69	0.09	30.6	20.9	76	4.97

Project: Richmond Basin

CERTIFICATE OF ANALYSIS RE17174758

Sample Description	Method Analyte Units LOD	AuME-TL43 Ni ppm	AuME-TL43 P ppm	AuME-TL43 Pb ppm	AuME-TL43 Rb ppm	AuME-TL43 Re ppm	AuME-TL43 S %	AuME-TL43 Sb ppm	AuME-TL43 Sc ppm	AuME-TL43 Se ppm	AuME-TL43 Sn ppm	AuME-TL43 Sr ppm	AuME-TL43 Ta ppm	AuME-TL43 Te ppm	AuME-TL43 Th ppm	AuME-TL43 Tl %
0522550E 3710050N		24.5	680	25.3	30.1	0.001	0.03	0.63	8.1	0.2	1.6	25.8	<0.01	0.10	5.0	0.057
0522550E 3710100N		17.5	320	23.1	36.4	<0.001	0.02	0.51	9.1	0.2	2.0	17.4	<0.01	0.08	5.2	0.061
0522550E 3710150N		24.4	430	19.9	35.9	<0.001	0.04	0.59	11.8	0.7	1.5	23.8	<0.01	0.07	8.1	0.061
0522550E 3710200N		19.9	390	19.4	33.8	0.001	0.02	0.49	6.0	0.2	1.9	16.0	<0.01	0.07	7.9	0.062
0522550E 3710250N		25.2	1100	21.3	23.5	0.001	0.03	0.38	8.1	0.3	1.8	28.0	<0.01	0.07	8.8	0.043
0522550E 3710300N		27.8	800	27.6	22.8	0.001	0.03	0.37	8.6	0.2	3.6	32.7	<0.01	0.08	7.3	0.045
0522600E 3709750N		14.5	670	15.4	129.0	0.001	0.02	0.61	14.7	<0.2	2.5	32.9	<0.01	0.10	57.5	0.163
0522600E 3709800N		11.1	680	19.5	46.1	0.001	0.02	1.43	5.9	0.3	2.5	15.1	<0.01	0.12	24.4	0.070
0522600E 3709850N		22.7	1960	25.3	56.0	0.001	0.02	1.99	12.8	0.4	1.3	23.5	<0.01	0.12	44.3	0.099
0522600E 3709900N		29.1	790	24.9	43.2	<0.001	0.02	14.65	10.1	1.3	1.1	28.9	<0.01	1.66	10.0	0.062
0522600E 3709950N		22.9	620	15.7	39.6	<0.001	0.02	0.81	5.8	0.2	0.8	23.4	<0.01	0.06	9.9	0.107
0522600E 3710000N		49.5	1020	15.8	55.4	0.001	0.02	0.39	5.8	<0.2	2.0	28.8	<0.01	0.06	4.1	0.173
0522600E 3710050N		44.0	1160	38.9	51.5	0.001	0.03	0.80	6.1	0.2	6.3	31.2	<0.01	0.12	4.6	0.131
0522600E 3710100N		31.4	380	14.2	52.3	<0.001	0.03	0.39	7.4	0.2	1.1	21.4	<0.01	0.05	5.4	0.096
0522600E 3710150N		19.7	340	32.7	30.4	0.001	0.02	0.55	6.1	0.2	1.1	13.7	<0.01	0.09	4.9	0.061
0522600E 3710200N		121.0	1580	18.5	83.4	0.001	0.02	0.26	14.5	<0.2	2.2	36.7	<0.01	0.03	1.6	0.149
0522600E 3710250N		18.7	450	20.4	34.9	0.001	0.03	0.52	6.4	0.3	2.0	16.5	<0.01	0.10	8.8	0.060
0522600E 3710300N		27.1	1400	14.8	24.8	<0.001	0.03	0.34	8.3	0.3	1.1	28.3	<0.01	0.07	11.6	0.083
0522600E 3710350N		29.1	1400	20.8	25.0	0.001	0.03	0.41	8.5	0.2	1.0	33.9	<0.01	0.09	4.5	0.070
0522600E 3710400N		23.6	510	14.0	31.4	<0.001	0.02	0.38	5.1	0.3	0.9	18.6	<0.01	0.05	3.7	0.046
0522650E 3709500N		20.7	700	30.9	65.4	0.002	0.03	0.62	6.9	0.5	3.1	41.1	<0.01	0.21	24.9	0.116
0522650E 3709550N		18.6	600	25.1	59.4	0.001	0.01	0.60	9.4	0.5	3.5	18.9	<0.01	0.14	38.6	0.098
0522650E 3709600N		36.3	910	16.2	96.6	0.003	0.02	0.29	10.3	0.3	2.0	32.1	<0.01	0.13	34.4	0.188
0522650E 3709650N		34.7	460	9.2	39.9	0.001	0.01	0.33	4.9	0.4	0.7	37.8	<0.01	0.04	4.9	0.085
0522650E 3709700N		13.4	460	12.5	35.6	0.001	0.02	0.45	7.5	0.2	1.2	32.2	<0.01	0.05	27.8	0.071
0522650E 3709750N		22.4	1410	27.7	45.1	0.002	0.02	1.49	6.9	0.3	1.7	25.8	<0.01	0.13	22.2	0.089
0522650E 3709800N		20.8	600	18.6	39.8	0.001	0.03	0.57	5.7	0.4	1.2	35.2	<0.01	0.08	5.6	0.062
0522650E 3709850N		17.3	760	11.2	47.0	0.002	0.02	0.91	7.4	0.5	1.2	33.4	<0.01	0.05	13.1	0.095
0522650E 3709900N		21.9	1170	21.4	60.3	0.001	0.01	1.48	10.0	0.3	1.3	34.9	<0.01	0.13	21.8	0.151
0522650E 3709950N		23.0	640	16.1	34.6	<0.001	0.01	0.56	5.7	0.3	0.9	20.0	<0.01	0.06	5.3	0.085
0522200E 3710450N		39.3	910	14.9	83.2	<0.001	0.01	0.40	5.9	0.3	2.3	28.9	<0.01	0.42	4.1	0.142
0522200E 3710500N		48.1	1050	18.3	33.2	0.001	0.02	0.36	5.1	0.2	1.2	53.1	<0.01	0.10	2.8	0.041
0522200E 3710550N		49.6	1030	18.7	39.7	0.001	0.01	0.37	3.9	0.2	1.6	37.4	<0.01	0.19	3.4	0.060
0522200E 3710600N		77.9	1550	6.9	32.9	<0.001	0.01	0.19	1.8	<0.2	0.7	75.1	<0.01	0.08	1.2	0.061
0522200E 3710650N		78.2	1360	3.0	10.6	<0.001	0.01	0.08	1.9	0.3	0.4	104.5	<0.01	0.02	1.2	0.060
0522200E 3710700N		80.9	1600	3.3	35.1	<0.001	0.01	0.14	1.4	<0.2	0.3	75.8	<0.01	0.03	1.1	0.060
0522250E 3710250N		40.1	440	83.6	38.5	<0.001	0.01	7.37	6.8	<0.2	1.1	28.2	<0.01	0.19	6.2	0.065
0522250E 3710300N		33.5	660	27.4	40.3	0.001	0.01	0.40	5.4	<0.2	1.1	26.6	<0.01	0.19	4.8	0.067
0522250E 3710350N		29.0	380	19.0	29.7	0.001	0.02	0.52	5.3	0.2	1.0	28.9	<0.01	0.08	4.4	0.038
0522250E 3710400N		45.2	1160	11.5	22.1	0.001	0.01	0.23	4.9	<0.2	0.6	35.4	<0.01	0.12	3.4	0.041



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Project: Richmond Basin

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Sample Description	Method Analyte Units LOD	AuME-TL43																			
		Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	Ag-OC46 ppm											
0522550E 3710050N		0.21	0.55	115	0.10	18.45	40	2.7													
0522550E 3710100N		0.22	0.63	142	0.08	13.95	34	2.3													
0522550E 3710150N		0.25	0.80	147	0.15	16.00	37	4.8													
0522550E 3710200N		0.22	0.81	92	0.09	14.35	34	1.4													
0522550E 3710250N		0.17	0.53	135	0.08	20.3	40	3.3													
0522550E 3710300N		0.19	0.49	113	0.08	20.1	44	4.9													
0522600E 3709750N		0.61	3.18	54	0.19	36.0	46	3.2													
0522600E 3709800N		0.23	1.59	44	0.26	30.0	43	0.9													
0522600E 3709850N		0.36	1.91	64	0.18	42.2	52	1.5													
0522600E 3709900N		0.31	1.30	100	0.18	22.0	99	3.8													344
0522600E 3709950N		0.23	0.71	91	0.15	14.90	50	1.8													
0522600E 3710000N		0.41	0.46	121	0.32	11.60	60	2.3													
0522600E 3710050N		0.38	0.61	104	0.16	13.30	63	1.2													
0522600E 3710100N		0.34	0.74	116	0.08	14.80	39	1.9													
0522600E 3710150N		0.23	0.65	114	0.09	12.65	33	1.0													
0522600E 3710200N		0.66	0.42	158	0.95	20.7	139	0.7													
0522600E 3710250N		0.23	0.85	91	0.08	14.00	34	1.2													
0522600E 3710300N		0.18	0.58	178	0.15	22.3	37	2.9													
0522600E 3710350N		0.18	0.46	142	0.15	24.1	46	3.2													
0522600E 3710400N		0.20	0.80	69	0.09	14.90	35	1.6													
0522650E 3709500N		0.39	1.97	62	0.23	20.8	59	2.6													
0522650E 3709550N		0.37	3.13	73	0.19	16.90	56	1.7													
0522650E 3709600N		0.52	2.86	88	0.39	28.4	56	1.7													
0522650E 3709650N		0.28	0.56	68	0.10	13.65	42	1.3													
0522650E 3709700N		0.23	1.51	57	0.12	19.35	35	2.2													
0522650E 3709750N		0.29	1.40	64	0.25	24.3	54	1.4													
0522650E 3709800N		0.24	0.90	71	0.08	15.25	50	1.4													
0522650E 3709850N		0.24	1.08	58	0.11	28.0	51	1.2													
0522650E 3709900N		0.33	1.05	72	0.14	28.2	73	1.5													
0522650E 3709950N		0.20	0.55	110	0.13	15.55	44	1.6													
0522200E 3710450N		0.57	0.45	110	0.34	14.65	49	2.5													
0522200E 3710500N		0.30	0.35	86	0.14	19.95	59	3.5													
0522200E 3710550N		0.32	0.40	101	0.19	16.45	56	2.7													
0522200E 3710600N		0.41	0.15	127	0.16	16.70	63	1.3													
0522200E 3710650N		0.24	0.11	85	0.08	20.9	54	1.1													
0522200E 3710700N		0.39	0.14	92	0.12	16.35	59	1.0													
0522250E 3710250N		0.33	0.80	84	0.20	18.20	72	2.4													
0522250E 3710300N		0.31	0.45	98	0.21	14.95	41	1.8													
0522250E 3710350N		0.27	0.70	83	0.14	16.05	39	1.8													
0522250E 3710400N		0.22	0.25	92	0.12	17.65	43	1.9													



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CERTIFICATE OF ANALYSIS REI7174758

Method Analyte Units LOD	Sample Description	WEI-21 Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
			AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
0522250E 3710450N		0.32	0.001	0.11	2.41	6.7	10	170	0.91	0.78	0.56	0.18	35.6	21.7	50	4.27
0522250E 3710500N		0.36	0.001	0.09	2.62	4.8	10	210	0.57	0.42	0.77	0.09	26.1	23.2	78	11.30
0522250E 3710550N		0.40	0.002	0.05	2.92	3.3	10	200	0.31	0.44	1.13	0.11	26.1	32.1	58	23.2
0522250E 3710600N		0.34	0.002	0.08	2.85	4.8	10	140	0.39	0.55	1.00	0.26	29.0	28.8	84	9.00
0522250E 3710650N		0.36	0.003	0.03	3.92	2.0	10	210	0.27	0.35	1.18	0.04	25.8	42.6	60	23.4
0522250E 3710700N		0.34	0.003	0.07	3.59	5.3	10	210	0.49	0.67	0.89	0.29	29.6	30.6	73	8.32
0522350E 3709850N		0.42	0.001	0.38	1.47	7.3	10	180	1.40	0.78	0.45	0.51	57.5	10.4	18	2.04
0522350E 3709900N		0.46	0.001	0.61	1.48	3.5	10	70	1.37	0.20	0.23	0.13	73.6	8.6	12	3.34
0522350E 3709950N		0.42	0.002	1.28	1.76	4.3	10	150	1.20	0.34	0.49	0.20	59.1	14.9	22	4.14
0522350E 3710000N		0.40	0.001	1.35	1.48	7.6	10	130	0.78	0.86	0.33	0.34	50.6	12.8	31	5.00
0522350E 3710050N		0.40	0.001	0.55	2.09	2.9	10	200	0.79	0.54	0.66	0.22	39.6	21.8	47	7.53
0522350E 3710100N		0.44	0.001	0.83	1.62	5.2	10	120	0.69	0.46	0.32	0.19	48.1	19.2	44	4.29
0522350E 3710150N		0.44	0.002	0.19	2.41	5.4	10	140	0.85	0.42	0.50	0.17	49.0	19.0	55	5.12
0522350E 3710200N		0.40	0.001	0.14	1.90	5.5	10	130	0.75	0.50	0.56	0.26	50.1	14.1	44	4.35
0522400E 3709800N		0.46	0.001	0.67	1.69	6.8	10	100	2.50	0.58	0.18	0.26	90.9	15.1	17	4.64
0522400E 3709850N		0.48	0.001	0.17	2.66	4.7	10	90	4.25	0.42	0.49	0.16	145.0	16.8	10	4.67
0522400E 3709900N		0.40	0.002	0.41	2.06	5.2	20	180	1.44	0.66	0.71	0.37	45.7	17.4	37	7.10
0522400E 3709950N		0.46	0.001	1.09	1.80	2.0	10	160	1.13	0.61	0.41	0.21	40.3	17.8	54	5.59
0522400E 3710000N		0.40	0.002	0.24	2.76	3.1	10	160	0.97	0.20	0.62	0.05	34.3	16.6	38	3.87
0522400E 3710050N		0.42	0.001	0.40	2.79	5.1	10	270	0.62	0.46	0.86	0.15	26.6	28.5	59	11.15
0522400E 3710100N		0.44	0.001	0.24	2.65	7.9	10	250	0.50	0.40	0.74	0.11	27.8	27.0	75	12.85
0522400E 3710150N		0.54	<0.001	0.13	1.65	3.8	10	130	0.59	0.35	0.51	0.14	37.8	16.6	71	7.70
0522400E 3710200N		0.48	0.001	0.13	2.62	3.9	10	330	0.28	0.33	0.91	0.09	24.2	34.5	112	30.6
0522400E 3710250N		0.52	0.005	0.19	2.62	4.5	10	230	0.71	0.43	0.63	0.22	39.4	24.6	72	12.05
0522400E 3710300N		0.40	0.001	0.13	1.99	5.1	10	140	0.89	0.45	0.51	0.25	53.4	18.2	50	5.17
0522400E 3710350N		0.40	0.003	0.17	2.08	5.6	10	150	0.90	0.39	0.60	0.11	51.7	17.2	41	4.83
0522400E 3710400N		0.44	0.001	0.10	2.43	4.8	10	140	0.77	0.43	0.48	0.23	43.0	23.7	72	5.39
0522400E 3710450N		0.44	0.002	0.43	2.82	7.7	10	180	0.48	0.73	0.80	0.20	27.1	32.2	100	17.05
0522400E 3710500N		0.48	0.001	0.19	2.81	5.3	10	130	0.61	0.45	0.76	0.23	31.6	26.9	96	7.06
0522400E 3710550N		0.42	0.001	0.18	1.83	6.8	10	120	0.84	0.59	0.38	0.35	40.8	21.6	48	2.56
0522400E 3710600N		0.40	0.001	0.19	2.06	6.3	10	130	0.95	0.47	0.48	0.30	41.9	17.7	41	1.86
0522450E 3709900N		0.40	0.003	12.70	2.53	12.6	10	170	1.77	0.89	0.41	0.30	70.5	15.4	31	2.88
0522450E 3709950N		0.36	0.002	6.50	1.70	10.4	10	150	1.16	1.62	0.88	0.39	36.8	16.2	30	2.12
0522450E 3710000N		0.36	0.003	1.75	2.02	10.5	10	170	0.99	0.74	0.47	0.25	51.0	20.9	34	2.91
0522450E 3710050N		0.42	0.001	0.33	1.63	6.8	10	120	0.94	0.44	0.17	0.18	56.2	21.5	36	3.01
0522450E 3710100N		0.42	0.002	0.47	1.73	6.7	10	120	0.89	0.47	0.25	0.15	50.5	19.7	37	2.39
0522450E 3710150N		0.42	0.001	0.42	2.15	6.2	10	160	0.79	0.43	0.40	0.16	46.6	23.7	54	10.45
0522450E 3710200N		0.52	0.002	7.10	3.10	2.4	10	500	0.84	0.26	0.83	0.28	33.5	44.9	90	31.5
0522450E 3710250N		0.42	0.001	0.10	3.01	1.4	10	300	0.39	0.14	1.12	0.10	29.6	33.7	84	17.10
0522450E 3710300N		0.36	0.001	0.22	2.72	5.1	10	210	0.74	0.38	0.78	0.14	42.3	27.5	71	14.60



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Method Analyte Units LOD	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %
0522250E 3710450N	42.5	670	22.1	31.3	0.001	0.02	0.37	6.4	<0.2	2.2	38.3	<0.01	0.15	3.7	0.033
0522250E 3710500N	49.1	1250	10.8	28.6	<0.001	0.01	0.26	4.2	<0.2	0.7	42.7	<0.01	0.07	3.0	0.051
0522250E 3710550N	60.4	2040	6.1	42.5	0.001	0.01	0.17	2.8	0.2	0.7	61.4	<0.01	0.11	1.4	0.075
0522250E 3710600N	67.7	1840	16.6	37.2	0.001	0.02	0.27	3.2	0.2	0.9	55.3	<0.01	0.11	1.8	0.046
0522250E 3710650N	105.0	1550	2.7	30.4	<0.001	<0.01	0.10	1.8	0.2	0.3	92.3	<0.01	0.02	1.3	0.054
0522250E 3710700N	74.2	1130	14.0	22.1	0.002	0.02	0.24	3.7	0.2	1.1	65.4	<0.01	0.08	2.1	0.045
0522350E 3709850N	15.3	530	27.1	41.3	0.002	0.02	0.58	4.4	0.3	1.7	35.7	<0.01	0.10	16.1	0.050
0522350E 3709900N	14.3	260	17.3	69.8	0.001	0.01	0.29	7.0	<0.2	1.2	19.2	<0.01	0.03	40.9	0.083
0522350E 3709950N	27.6	500	17.4	50.4	<0.001	0.02	0.51	5.2	0.2	1.1	36.6	<0.01	0.05	13.6	0.055
0522350E 3710000N	22.9	740	28.1	41.0	0.001	0.02	0.76	4.4	0.2	1.6	26.1	<0.01	0.15	14.8	0.059
0522350E 3710050N	42.0	970	16.3	58.5	0.001	0.02	0.44	5.3	<0.2	2.0	50.2	<0.01	0.11	8.6	0.089
0522350E 3710100N	27.0	860	21.2	37.0	0.001	0.01	0.49	4.1	0.2	0.8	19.9	<0.01	0.07	5.9	0.060
0522350E 3710150N	35.4	1180	12.7	37.3	<0.001	0.01	0.30	5.3	<0.2	0.9	29.8	<0.01	0.06	4.3	0.057
0522350E 3710200N	26.5	1390	16.7	29.4	0.001	0.01	0.31	4.6	<0.2	1.0	32.7	<0.01	0.08	4.9	0.053
0522400E 3709800N	13.3	460	23.4	91.3	<0.001	0.01	0.65	8.5	0.2	1.9	21.9	<0.01	0.09	46.0	0.091
0522400E 3709850N	11.7	940	17.1	92.7	<0.001	0.01	0.46	14.6	<0.2	2.4	34.6	<0.01	0.05	82.3	0.087
0522400E 3709900N	31.3	510	23.0	52.6	0.002	0.04	0.50	7.1	0.2	1.7	50.8	<0.01	0.10	16.8	0.084
0522400E 3709950N	33.3	570	24.7	45.1	0.001	0.01	0.48	6.2	<0.2	1.1	31.0	<0.01	0.09	12.5	0.068
0522400E 3710000N	30.7	930	9.2	28.2	<0.001	0.01	0.19	7.2	<0.2	0.7	34.3	<0.01	0.05	4.7	0.080
0522400E 3710050N	56.9	1360	11.3	66.1	0.001	0.01	0.30	5.3	0.2	1.0	61.4	<0.01	0.09	3.1	0.145
0522400E 3710100N	58.0	1560	8.6	74.5	<0.001	0.02	0.27	4.1	0.3	0.7	47.6	<0.01	0.11	2.4	0.187
0522400E 3710150N	31.2	1590	9.9	42.5	<0.001	0.01	0.26	3.8	<0.2	0.7	24.3	<0.01	0.08	3.7	0.075
0522400E 3710200N	78.8	2330	5.9	88.6	<0.001	0.01	0.21	3.3	<0.2	0.6	43.3	<0.01	0.06	1.1	0.179
0522400E 3710250N	49.6	1500	13.8	67.3	0.001	0.02	0.26	4.7	0.3	1.0	34.4	<0.01	0.07	3.8	0.106
0522400E 3710300N	27.2	1610	12.8	47.5	<0.001	0.02	0.35	6.1	0.2	0.8	26.0	<0.01	0.10	4.0	0.070
0522400E 3710350N	27.9	1500	10.7	36.0	<0.001	0.01	0.31	4.8	<0.2	0.7	31.8	<0.01	0.08	4.4	0.063
0522400E 3710400N	45.1	830	12.8	51.7	0.001	0.01	0.29	5.5	0.3	1.0	30.0	<0.01	0.08	3.2	0.061
0522400E 3710450N	59.9	2240	20.7	68.8	0.001	0.02	0.29	3.2	0.3	1.1	40.6	<0.01	0.22	1.4	0.102
0522400E 3710500N	69.8	1350	15.7	51.2	0.001	0.02	0.30	5.3	0.2	0.9	45.5	<0.01	0.10	2.1	0.040
0522400E 3710550N	35.8	420	21.3	26.1	0.001	0.03	0.45	5.3	<0.2	1.2	33.6	<0.01	0.12	4.6	0.021
0522400E 3710600N	32.2	430	21.1	19.8	0.001	0.03	0.43	6.0	0.2	1.1	35.3	<0.01	0.08	6.5	0.013
0522450E 3709900N	28.5	1010	28.0	40.8	0.001	0.02	1.41	12.3	0.7	1.7	23.3	<0.01	0.15	20.2	0.047
0522450E 3709950N	21.8	1020	86.3	31.6	0.001	0.03	5.72	6.9	0.3	1.7	53.5	<0.01	0.37	5.5	0.046
0522450E 3710000N	25.4	630	22.6	45.7	0.001	0.02	0.66	8.4	0.3	1.4	31.0	<0.01	0.16	4.7	0.064
0522450E 3710050N	21.7	420	18.2	52.5	<0.001	0.01	0.47	8.4	0.2	1.1	16.9	<0.01	0.08	6.4	0.068
0522450E 3710100N	23.4	400	21.7	40.9	<0.001	0.02	0.45	7.6	0.3	1.8	20.3	<0.01	0.09	5.5	0.057
0522450E 3710150N	33.0	740	14.4	62.6	0.001	0.01	0.35	6.6	0.3	1.5	25.1	<0.01	0.08	6.3	0.112
0522450E 3710200N	92.8	1930	41.6	113.5	<0.001	0.01	0.26	7.6	0.2	0.9	39.7	<0.01	0.04	2.2	0.209
0522450E 3710250N	93.4	1840	3.5	84.1	0.001	0.01	0.12	5.4	<0.2	0.9	69.4	<0.01	0.03	1.5	0.110
0522450E 3710300N	55.7	1890	10.6	63.6	0.001	0.02	0.26	4.6	<0.2	0.8	40.2	<0.01	0.08	3.8	0.097



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Sample Description	Method Analyte Units LOD	Ti ppm	AuME-TL43 AuME-TL43 ppm	U ppm	AuME-TL43 AuME-TL43 ppm	V ppm	AuME-TL43 AuME-TL43 ppm	W ppm	AuME-TL43 AuME-TL43 ppm	Y ppm	AuME-TL43 AuME-TL43 ppm	Zn ppm	AuME-TL43 AuME-TL43 ppm	Zr ppm	Ag ppm
0522250E 3710450N		0.27	0.36	85	0.11	17.15	43	2.8							
0522250E 3710500N		0.34	0.22	98	0.12	19.60	47	2.1							
0522250E 3710550N		0.52	0.12	91	0.19	24.2	62	1.4							
0522250E 3710600N		0.34	0.25	85	0.26	18.60	62	2.3							
0522250E 3710650N		0.61	0.13	79	0.09	19.40	67	1.2							
0522250E 3710700N		0.42	0.39	89	0.09	21.8	62	3.0							
0522350E 3709850N		0.24	1.63	34	0.16	14.85	63	2.0							
0522350E 3709900N		0.39	2.91	37	0.12	10.20	41	2.4							
0522350E 3709950N		0.33	1.39	42	0.12	13.90	51	1.5							
0522350E 3710000N		0.27	1.34	50	0.17	14.45	55	1.4							
0522350E 3710050N		0.36	0.86	67	0.11	17.95	59	1.6							
0522350E 3710100N		0.24	0.80	65	0.14	14.70	40	1.4							
0522350E 3710150N		0.24	0.59	85	0.11	18.15	43	2.0							
0522350E 3710200N		0.20	0.60	68	0.13	17.85	44	2.7							
0522400E 3709800N		0.43	3.18	46	0.17	26.4	51	1.9							
0522400E 3709850N		0.59	4.40	55	0.28	49.4	56	1.4							
0522400E 3709900N		0.37	1.38	68	0.25	16.25	60	2.5							
0522400E 3709950N		0.29	1.11	78	0.15	13.80	55	1.5							
0522400E 3710000N		0.20	0.35	94	0.18	16.05	31	2.8							
0522400E 3710050N		0.42	0.42	104	0.14	15.45	61	1.7							
0522400E 3710100N		0.41	0.30	105	0.21	12.85	49	1.1							
0522400E 3710150N		0.27	0.42	95	0.22	14.95	42	1.3							
0522400E 3710200N		0.70	0.21	120	0.71	14.60	74	<0.5							
0522400E 3710250N		0.41	0.45	94	0.22	15.75	64	2.5							
0522400E 3710300N		0.21	0.60	99	0.11	20.1	47	1.3							
0522400E 3710350N		0.21	0.54	73	0.11	16.15	40	2.0							
0522400E 3710400N		0.30	0.55	83	0.15	16.10	45	1.6							
0522400E 3710450N		0.63	0.25	99	0.46	16.40	74	0.8							
0522400E 3710500N		0.44	0.31	92	0.54	17.90	50	1.9							
0522400E 3710550N		0.20	0.57	69	0.10	14.80	49	2.6							
0522400E 3710600N		0.19	0.51	67	0.09	15.25	53	3.8							
0522450E 3709900N		0.35	2.88	114	0.19	27.3	49	1.7							
0522450E 3709950N		0.22	0.67	115	0.23	16.90	80	2.3							
0522450E 3710000N		0.27	0.70	103	0.11	19.25	46	2.2							
0522450E 3710050N		0.29	0.92	113	0.10	16.35	37	1.7							
0522450E 3710100N		0.24	0.75	108	0.09	15.30	33	1.6							
0522450E 3710150N		0.40	0.62	105	0.42	16.25	46	2.3							
0522450E 3710200N		0.86	0.38	143	0.42	17.55	156	1.1							
0522450E 3710250N		0.52	0.38	109	0.28	15.85	89	1.1							
0522450E 3710300N		0.43	0.44	97	0.13	18.65	59	1.7							

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0522500E 3709850N		0.38	0.001	13.60	1.99	5.9	10	170	1.50	0.38	0.44	0.16	69.5	16.8	27	5.27
0522500E 3709900N		0.48	0.002	8.19	2.09	5.9	10	250	0.89	0.63	0.39	0.29	42.2	19.5	73	6.44
0522500E 3709950N		0.42	0.002	12.80	2.30	4.7	10	270	0.91	0.61	0.56	0.12	47.5	19.4	49	3.77
0522500E 3710000N		0.36	0.002	0.88	3.11	5.6	10	230	1.35	0.31	0.54	0.06	51.1	17.2	34	2.25
0522500E 3710050N		0.46	0.004	10.60	2.32	7.8	10	150	1.12	0.49	0.30	0.16	52.6	17.5	30	2.14
0522500E 3710100N		0.44	0.003	0.83	1.88	7.1	10	130	0.94	0.49	0.30	0.15	51.4	18.4	36	2.64
0522500E 3710150N		0.46	0.001	0.38	1.49	7.0	10	110	0.84	0.52	0.19	0.21	51.8	17.7	33	2.47
0522500E 3710200N		0.42	0.002	0.80	2.80	6.4	10	190	1.25	0.40	0.48	0.12	48.3	17.4	42	2.30
0522500E 3710250N		0.44	0.001	0.18	2.59	5.4	10	220	1.00	0.49	1.18	0.18	45.7	18.7	44	2.93
0522500E 3710300N		0.46	0.001	0.34	2.64	3.8	10	220	0.60	0.30	0.88	0.11	36.9	25.7	67	13.05

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Sample Description	Method Analyte Units LOD	AuME-TL43 Cu ppm	AuME-TL43 Fe %	AuME-TL43 Ga ppm	AuME-TL43 Ge ppm	AuME-TL43 Hf ppm	AuME-TL43 Hg ppm	AuME-TL43 In ppm	AuME-TL43 K %	AuME-TL43 La ppm	AuME-TL43 Li ppm	AuME-TL43 Mg %	AuME-TL43 Mn ppm	AuME-TL43 Mo ppm	AuME-TL43 Na %	AuME-TL43 Nb ppm
0522500E 3709850N		49.9	2.95	8.06	0.10	0.04	0.07	0.033	0.60	35.7	47.6	0.71	638	1.08	0.01	0.85
0522500E 3709900N		94.4	4.94	8.02	0.08	0.07	0.08	0.047	0.57	21.2	23.8	0.80	462	1.34	0.02	0.16
0522500E 3709950N		60.8	4.17	8.06	0.08	0.06	0.05	0.040	0.51	26.0	19.8	0.70	413	0.83	0.01	0.36
0522500E 3710000N		40.1	4.92	11.20	0.08	0.22	0.05	0.058	0.28	31.9	22.0	0.69	252	0.51	0.01	0.23
0522500E 3710050N		79.5	3.98	8.34	0.07	0.14	0.13	0.049	0.38	28.5	19.9	0.51	318	0.95	0.01	0.40
0522500E 3710100N		54.5	3.72	7.29	0.07	0.07	0.43	0.045	0.45	25.1	15.8	0.51	332	1.07	0.01	0.49
0522500E 3710150N		58.8	3.26	6.18	0.06	0.04	0.11	0.045	0.38	24.9	13.8	0.39	415	1.35	0.01	0.48
0522500E 3710200N		46.6	4.45	9.63	0.08	0.18	0.05	0.054	0.38	26.6	21.5	0.63	330	0.80	0.01	0.37
0522500E 3710250N		49.6	3.80	8.42	0.07	0.13	0.04	0.049	0.32	23.7	20.3	0.87	366	0.67	0.01	0.34
0522500E 3710300N		69.2	3.75	8.46	0.06	0.08	0.07	0.030	0.45	20.1	30.8	1.01	226	0.60	0.07	0.29





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Sample Description	Method Analyte Units LOD	AuME-TL43 Ni ppm	AuME-TL43 P ppm	AuME-TL43 Pb ppm	AuME-TL43 Rb ppm	AuME-TL43 Re ppm	AuME-TL43 S %	AuME-TL43 Sb ppm	AuME-TL43 Sc ppm	AuME-TL43 Se ppm	AuME-TL43 Sn ppm	AuME-TL43 Sr ppm	AuME-TL43 Ta ppm	AuME-TL43 Te ppm	AuME-TL43 Th ppm	AuME-TL43 Tl %
0522500E 3709850N		24.7	700	15.8	82.7	<0.001	0.02	0.73	8.7	0.2	1.5	29.4	<0.01	0.07	21.3	0.095
0522500E 3709900N		33.4	880	33.2	51.8	0.001	0.01	1.24	7.7	<0.2	2.0	22.2	<0.01	0.16	10.6	0.117
0522500E 3709950N		29.0	850	18.6	41.9	<0.001	0.02	0.38	8.2	0.2	1.0	28.7	<0.01	0.08	6.8	0.077
0522500E 3710000N		25.1	490	18.9	29.5	<0.001	0.01	0.32	13.4	0.2	1.2	35.8	<0.01	0.06	6.3	0.048
0522500E 3710050N		21.9	340	35.8	31.0	<0.001	0.02	1.69	10.1	<0.2	2.5	27.4	<0.01	0.09	8.0	0.038
0522500E 3710100N		22.7	610	53.9	40.0	<0.001	0.02	0.63	8.2	0.2	15.3	22.2	<0.01	0.09	6.3	0.053
0522500E 3710150N		19.0	400	19.5	41.7	<0.001	0.02	0.51	6.5	0.3	1.9	16.9	<0.01	0.10	7.0	0.059
0522500E 3710200N		28.0	660	18.2	29.6	<0.001	0.02	0.37	10.3	0.2	1.6	34.9	<0.01	0.07	8.6	0.037
0522500E 3710250N		31.1	520	16.9	25.4	<0.001	0.02	0.31	8.6	<0.2	1.2	66.8	<0.01	0.07	7.0	0.039
0522500E 3710300N		55.9	1620	30.7	47.3	0.001	0.01	0.27	5.0	0.2	8.2	53.9	<0.01	0.06	4.1	0.109

Project: Richmond Basin

CERTIFICATE OF ANALYSIS RE17174758

Method Analyte Units LOD	AuME-TL43 Ti ppm 0.02	AuME-TL43 U ppm 0.05	AuME-TL43 V ppm 1	AuME-TL43 W ppm 0.05	AuME-TL43 Y ppm 0.05	AuME-TL43 Zn ppm 2	AuME-TL43 Zr ppm 0.5	Ag-OC46 Ag ppm 1
0522500E 3709850N	0.41	1.80	62	0.22	26.4	50	1.7	
0522500E 3709900N	0.35	0.80	129	0.41	15.20	69	2.8	
0522500E 3709950N	0.26	0.67	124	0.11	20.4	44	2.1	
0522500E 3710000N	0.23	0.58	140	0.06	23.5	37	5.2	
0522500E 3710050N	0.25	0.66	121	0.07	17.30	58	4.6	
0522500E 3710100N	0.24	0.74	111	0.09	15.95	40	2.3	
0522500E 3710150N	0.24	0.83	105	0.08	14.80	35	1.4	
0522500E 3710200N	0.24	0.75	123	0.06	20.5	43	4.7	
0522500E 3710250N	0.24	0.51	98	0.06	18.35	44	4.1	
0522500E 3710300N	0.47	0.42	93	0.11	15.65	51	3.0	



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Project: Richmond Basin

CERTIFICATE OF ANALYSIS RE17174758

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Reno located at 4977 Energy Way, Reno, NV, USA.
 LOG-22 SCR-41

WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
 Ag-OG46 AuME-TL43 ME-OG46

Applies to Method:

Applies to Method:

Appendix E2

Buckeye East Zone Grid Soil Grid Assay Certificates

Iron Nugget First batch grab soils

N=135 Buckeye East zone



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CERTIFICATE RE17246765

Project: Iron Nugget
This report is for 135 Soil samples submitted to our lab in Reno, NV, USA on 9-NOV-2017.
The following have access to data associated with this certificate:
NICHOLAS BARR
MONIQUE DELORME
STEVE GRAY

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
AU-AROR43	Au AR Overrange - 25g	ICP-MS
AUME-TL43	25g Trace Au + Multi Element PKG	ICP-MS

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project. Statement required by Nevada State Law NRS 519

To: NORTHERN SPHERE
ATTN: NICHOLAS BARR
5441 E. MINING CAMP ST.
APACHE JUNCTION AZ 85119

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Method Analyte Units LOR	WEH-21 Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
0522450 E 3707600 N	0.36	0.003	0.31	1.89	19.2	10	110	0.86	0.60	6.19	0.76	33.2	11.2	18	2.30
0522450 E 3707650 N	0.32	0.006	0.64	2.53	32.2	10	130	1.05	0.45	5.63	1.24	35.0	15.7	20	2.75
0522450 E 3707700 N	0.38	0.013	0.59	1.85	38.7	<10	160	1.34	0.80	6.68	1.21	33.5	14.5	21	2.34
0522450 E 3707750 N	0.36	0.007	0.04	0.90	6.8	<10	110	0.77	0.41	0.20	0.27	41.9	11.9	18	1.82
0522450 E 3707800 N	0.44	0.002	0.09	1.19	5.5	<10	120	0.65	0.35	0.34	0.21	31.3	8.6	12	0.99
0522450 E 3707850 N	0.44	0.001	0.07	0.78	7.4	<10	90	0.64	0.57	0.14	0.33	35.7	9.2	18	1.74
0522450 E 3707900 N	0.38	0.005	0.20	1.25	9.3	<10	120	0.90	0.56	0.33	0.34	34.0	13.6	15	1.94
0522450 E 3707950 N	0.46	0.001	0.08	0.89	5.1	<10	100	0.66	0.35	0.37	0.23	33.3	11.5	14	1.67
0522450 E 3708000 N	0.44	0.012	0.09	1.82	5.1	<10	140	0.55	0.24	0.80	0.16	43.8	7.2	4	0.55
0522450 E 3708050 N	0.38	0.002	0.11	1.35	4.6	<10	130	0.51	0.58	0.68	0.43	32.1	7.0	8	0.74
0522450 E 3708100 N	0.40	0.002	0.19	1.49	7.1	<10	120	0.55	0.41	0.84	0.29	33.3	10.7	13	1.25
0522450 E 3708150 N	0.48	0.001	0.06	1.59	3.1	<10	120	0.47	0.22	0.51	0.18	30.8	7.8	6	0.86
0522450 E 3708200 N	0.56	0.003	0.58	1.49	4.2	<10	120	0.44	0.35	0.73	0.19	35.3	18.9	71	4.10
0522450 E 3708250 N	0.38	0.022	1.12	1.36	4.9	<10	120	0.45	0.33	0.71	0.21	36.3	18.1	67	3.79
0522500 E 3707600 N	0.22	0.002	0.29	2.15	17.9	10	110	0.97	0.31	6.74	0.43	30.2	9.6	19	2.78
0522500 E 3707650 N	0.28	0.009	1.05	2.04	122.0	10	110	1.07	1.02	3.94	6.41	36.0	18.2	19	1.96
0522500 E 3707700 N	0.28	0.005	0.22	1.73	24.9	<10	170	1.39	1.01	0.67	1.60	39.4	14.3	21	1.99
0522500 E 3707750 N	0.24	0.003	0.20	1.57	17.1	<10	150	1.01	0.52	1.19	0.89	40.7	12.4	20	1.89
0522500 E 3707800 N	0.38	0.002	0.12	1.03	16.5	10	150	0.77	0.58	0.52	0.49	44.8	12.3	19	1.95
0522500 E 3707850 N	0.32	0.002	0.07	1.30	6.5	10	100	0.70	0.38	0.29	0.21	38.6	9.0	12	1.05
0522500 E 3707900 N	0.38	0.002	0.09	1.33	6.6	10	120	0.72	0.44	0.36	0.23	42.9	10.9	15	1.33
0522500 E 3707950 N	0.40	0.006	0.30	1.92	33.2	10	140	0.94	0.76	2.23	1.35	36.4	12.6	18	1.63
0522500 E 3708000 N	0.34	0.005	0.20	1.80	6.5	10	180	0.69	0.81	0.86	0.49	39.0	8.7	14	0.89
0522500 E 3708050 N	0.24	0.001	0.14	1.44	5.1	10	120	0.45	0.57	0.58	0.32	27.8	8.0	7	0.48
0522500 E 3708100 N	0.32	0.002	0.19	1.67	6.3	10	110	0.55	0.38	0.54	0.17	34.7	9.9	8	0.47
0522500 E 3708150 N	0.46	0.001	0.03	1.58	3.0	10	110	0.45	0.18	0.49	0.09	33.5	9.6	6	0.74
0522500 E 3708200 N	0.32	0.001	0.13	1.45	6.6	10	110	0.57	0.35	0.40	0.18	40.8	10.3	21	1.66
0522500 E 3708250 N	0.52	0.003	0.57	1.70	4.9	10	140	0.46	0.29	0.79	0.18	38.9	18.4	57	4.65
0522550 E 3707600 N	0.38	0.003	0.33	2.48	46.4	10	130	1.19	0.88	2.00	1.36	43.4	11.1	23	2.34
0522550 E 3707650 N	0.36	0.005	0.41	1.92	30.1	20	110	1.03	0.65	6.46	1.04	29.8	13.1	18	2.86
0522550 E 3707700 N	0.34	0.008	0.24	2.36	30.6	10	150	1.04	0.69	3.44	0.60	36.1	10.5	18	1.95
0522550 E 3707750 N	0.26	0.006	0.36	2.54	26.9	20	190	1.21	0.74	0.85	0.69	39.8	12.4	21	2.02
0522550 E 3707800 N	0.32	0.010	0.15	1.34	18.0	10	140	0.77	0.88	0.63	0.51	40.5	12.7	16	1.47
0522550 E 3707850 N	0.36	0.002	0.14	1.20	12.6	10	120	0.71	0.76	0.38	0.38	40.0	8.8	14	1.22
0522550 E 3707900 N	0.36	0.005	0.10	1.27	10.0	10	90	0.54	0.58	0.31	0.25	33.1	10.1	19	1.11
0522550 E 3707950 N	0.40	0.004	0.11	1.61	10.7	10	120	0.62	0.68	0.44	0.29	37.1	9.4	14	1.10
0522550 E 3708000 N	0.34	0.002	0.12	1.65	5.9	10	140	0.54	0.39	0.54	0.23	30.7	8.2	8	0.50
0522550 E 3708050 N	0.24	0.002	0.23	1.80	4.3	10	140	0.61	0.28	0.62	0.14	30.5	7.3	7	0.51
0522550 E 3708100 N	0.42	0.002	0.13	1.96	6.1	10	160	0.60	0.37	0.65	0.14	32.7	9.0	7	0.56
0522550 E 3708150 N	0.42	0.001	0.05	2.12	5.7	10	200	0.50	0.31	0.79	0.14	37.7	9.2	4	0.82



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Sample Description	Method Analyte Units LOR	AuME-TL43	Fe	Cu	Ca	Ce	Hf	Hg	In	K	La	Li	Mg	Min	Mo	Na	Nb
		AuME-TL43	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
0522450 E 3707600 N		124.0	2.26	5.20	0.06	0.10	0.04	0.01	0.005	0.01	15.6	13.9	4.61	669	0.05	<0.01	0.69
0522450 E 3707650 N		174.0	2.70	6.83	0.07	0.11	0.05	0.05	0.091	0.29	17.7	19.2	3.65	771	1.35	0.01	0.86
0522450 E 3707700 N		247	2.72	6.12	0.07	0.12	0.05	0.05	0.135	0.26	16.7	15.5	0.89	781	1.16	<0.01	0.65
0522450 E 3707750 N		58.8	2.00	3.66	0.07	0.06	0.03	0.03	0.036	0.17	19.3	9.1	0.23	397	1.07	<0.01	0.50
0522450 E 3707800 N		51.3	2.54	4.75	0.07	0.04	0.04	0.04	0.028	0.22	16.6	10.2	0.35	438	0.82	<0.01	0.47
0522450 E 3707850 N		73.3	1.76	3.15	0.06	0.05	0.04	0.04	0.032	0.17	16.4	8.1	0.21	476	1.52	<0.01	0.48
0522450 E 3707900 N		135.5	2.41	4.88	0.07	0.05	0.07	0.07	0.038	0.27	15.6	10.9	0.31	497	1.27	<0.01	0.61
0522450 E 3707950 N		78.6	2.26	4.20	0.06	0.04	0.04	0.04	0.028	0.27	15.1	8.9	0.27	422	0.77	<0.01	0.60
0522450 E 3708000 N		61.7	3.25	7.30	0.09	0.04	0.06	0.06	0.031	0.06	23.2	10.2	0.48	388	0.39	0.01	0.47
0522450 E 3708050 N		100.5	3.35	5.83	0.07	0.05	0.05	0.05	0.042	0.33	15.5	12.5	0.49	418	1.15	0.01	0.88
0522450 E 3708100 N		70.4	4.36	7.22	0.09	0.04	0.03	0.03	0.039	0.30	14.3	14.0	0.75	534	0.80	0.01	0.71
0522450 E 3708150 N		39.8	3.69	7.12	0.09	0.04	0.02	0.02	0.030	0.30	13.4	12.8	0.59	489	0.63	0.01	0.50
0522450 E 3708200 N		107.5	6.01	8.18	0.13	0.05	0.02	0.02	0.028	0.50	15.5	16.7	0.77	315	0.87	0.03	0.22
0522450 E 3708250 N		105.0	5.75	7.88	0.13	0.05	0.06	0.06	0.024	0.53	15.8	16.2	0.73	322	0.85	0.03	0.28
0522500 E 3707600 N		54.7	2.20	5.84	0.06	0.08	0.04	0.04	0.033	0.29	15.1	16.3	3.77	571	1.37	0.01	0.68
0522500 E 3707650 N		309	2.92	5.74	0.06	0.14	0.14	0.14	0.085	0.30	16.9	15.0	2.64	1400	3.42	0.01	0.83
0522500 E 3707700 N		256	2.85	5.80	0.07	0.11	0.09	0.09	0.076	0.37	18.2	15.4	0.67	841	2.11	<0.01	1.08
0522500 E 3707750 N		112.5	2.51	5.29	0.07	0.07	0.05	0.05	0.051	0.28	19.4	13.4	0.94	646	1.34	<0.01	0.57
0522500 E 3707800 N		88.9	2.08	3.85	0.06	0.06	0.05	0.05	0.039	0.26	19.7	10.8	0.33	743	1.17	<0.01	0.86
0522500 E 3707850 N		61.1	2.76	5.21	0.06	0.05	0.04	0.04	0.028	0.21	17.3	10.2	0.34	381	0.87	<0.01	0.50
0522500 E 3707900 N		65.9	2.73	5.24	0.06	0.05	0.05	0.05	0.030	0.21	18.6	10.5	0.32	483	0.97	<0.01	0.62
0522500 E 3707950 N		185.0	3.93	6.85	0.06	0.07	0.06	0.06	0.076	0.30	16.8	14.9	1.61	732	1.72	0.01	0.80
0522500 E 3708000 N		142.5	3.77	6.95	0.06	0.12	0.08	0.08	0.053	0.29	18.4	15.7	0.53	437	1.55	0.01	1.22
0522500 E 3708050 N		94.8	3.31	6.02	0.06	0.06	0.06	0.06	0.036	0.19	13.0	10.9	0.43	424	1.12	0.01	0.61
0522500 E 3708100 N		56.8	5.00	7.76	0.08	0.06	0.06	0.06	0.030	0.27	15.7	11.4	0.46	513	1.07	0.01	0.69
0522500 E 3708150 N		20.5	8.08	9.99	0.10	0.05	0.01	0.01	0.025	0.16	14.8	10.1	0.42	529	0.41	0.01	0.29
0522500 E 3708200 N		48.5	3.73	6.57	0.07	0.04	0.04	0.04	0.024	0.27	18.1	10.0	0.40	456	0.64	0.01	0.53
0522500 E 3708250 N		103.0	5.13	7.86	0.11	0.05	0.03	0.03	0.028	0.58	16.5	19.3	0.88	381	0.78	0.04	0.35
0522550 E 3707600 N		115.0	3.09	7.26	0.06	0.17	0.06	0.06	0.058	0.39	20.4	17.9	1.94	739	1.39	<0.01	0.81
0522550 E 3707650 N		193.5	2.31	5.69	0.05	0.10	0.05	0.05	0.053	0.27	13.8	15.8	4.04	779	1.63	0.01	0.68
0522550 E 3707700 N		193.5	2.69	6.72	0.06	0.14	0.07	0.07	0.061	0.31	17.9	17.1	2.63	567	1.29	<0.01	0.96
0522550 E 3707750 N		204	2.97	7.32	0.07	0.24	0.09	0.09	0.071	0.34	22.4	19.1	1.02	596	1.99	<0.01	1.56
0522550 E 3707800 N		283	3.21	5.48	0.06	0.06	0.07	0.07	0.064	0.29	17.3	11.3	0.41	698	1.48	<0.01	0.87
0522550 E 3707850 N		104.0	2.14	4.36	0.06	0.06	0.05	0.05	0.041	0.19	18.5	9.2	0.31	398	1.27	<0.01	0.59
0522550 E 3707900 N		103.5	5.85	7.01	0.07	0.05	0.04	0.04	0.035	0.24	15.4	8.4	0.31	464	1.44	<0.01	0.59
0522550 E 3707950 N		109.5	4.41	7.01	0.06	0.08	0.05	0.05	0.037	0.28	18.6	11.4	0.38	481	1.07	<0.01	0.64
0522550 E 3708000 N		68.7	4.37	6.89	0.06	0.05	0.05	0.05	0.028	0.12	15.3	10.5	0.42	418	0.82	<0.01	0.39
0522550 E 3708050 N		47.8	3.86	7.00	0.06	0.07	0.06	0.06	0.026	0.09	16.9	10.7	0.45	294	0.49	<0.01	0.35
0522550 E 3708100 N		50.6	4.78	8.30	0.07	0.06	0.05	0.05	0.029	0.12	16.6	13.4	0.56	431	0.66	0.01	0.50
0522550 E 3708150 N		31.0	4.37	9.09	0.09	0.05	0.03	0.03	0.036	0.20	14.9	16.8	0.89	704	0.61	0.02	0.58



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CERTIFICATE OF ANALYSIS RE17246765

Method Analyte Units	NI ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Tl %
0522450 E 3707600 N	20.8	600	108.5	21.6	0.001	0.03	2.48	3.5	0.4	1.1	54.7	<0.01	0.13	2.4	0.028
0522450 E 3707650 N	26.9	640	197.5	23.1	0.001	0.03	4.88	3.9	0.8	1.0	51.5	<0.01	0.10	2.1	0.024
0522450 E 3707700 N	22.5	630	373	20.2	0.001	0.02	9.37	4.5	0.5	1.4	21.6	<0.01	0.19	3.9	0.024
0522450 E 3707750 N	11.6	170	27.1	21.9	0.001	<0.01	0.86	3.5	0.3	1.1	19.7	<0.01	0.07	5.5	0.045
0522450 E 3707800 N	8.6	380	16.8	16.8	<0.001	0.01	0.41	3.5	0.3	0.9	44.4	<0.01	0.06	3.4	0.045
0522450 E 3707850 N	10.9	170	20.1	23.4	0.001	<0.01	0.51	2.8	0.2	1.2	18.9	<0.01	0.10	5.0	0.052
0522450 E 3707900 N	11.3	320	28.4	22.8	0.001	0.01	0.94	3.9	0.3	1.2	34.3	<0.01	0.12	4.1	0.045
0522450 E 3707950 N	9.6	260	18.0	22.4	0.001	0.01	0.51	3.0	0.3	0.8	37.7	<0.01	0.07	2.9	0.043
0522450 E 3708000 N	3.5	940	13.7	5.0	<0.001	0.01	0.20	3.2	0.2	0.7	99.2	<0.01	0.06	3.2	0.068
0522450 E 3708050 N	5.6	890	22.5	14.4	0.001	0.02	0.37	3.6	0.4	1.3	73.5	<0.01	0.11	2.6	0.037
0522450 E 3708100 N	9.3	900	34.1	20.4	0.001	0.01	0.76	3.9	0.2	1.3	42.9	<0.01	0.08	3.7	0.086
0522450 E 3708150 N	4.6	830	14.9	16.0	0.001	<0.01	0.14	4.0	<0.2	1.1	49.3	<0.01	0.03	2.3	0.066
0522450 E 3708200 N	28.6	2380	22.6	33.1	0.001	<0.01	0.21	4.4	0.2	0.8	37.4	<0.01	0.07	9.0	0.125
0522450 E 3708250 N	26.9	2420	23.6	32.3	0.001	<0.01	0.24	4.2	0.3	0.8	36.2	<0.01	0.06	10.1	0.114
0522500 E 3707600 N	20.7	710	54.9	23.2	0.001	0.03	0.89	2.8	0.6	1.7	63.1	<0.01	0.08	1.4	0.026
0522500 E 3707650 N	36.0	960	125.5	23.0	0.002	0.06	15.30	2.7	0.9	1.7	38.3	<0.01	0.30	1.6	0.016
0522500 E 3707700 N	20.9	760	192.5	25.4	0.001	0.03	3.73	4.1	0.8	2.0	38.6	<0.01	0.21	3.8	0.032
0522500 E 3707750 N	18.4	380	123.5	23.0	0.001	0.01	3.28	4.0	0.4	1.2	35.3	<0.01	0.10	4.1	0.031
0522500 E 3707800 N	15.8	230	94.7	29.1	<0.001	0.01	2.57	3.1	0.4	1.0	44.4	<0.01	0.12	4.1	0.054
0522500 E 3707850 N	8.1	270	16.0	16.5	<0.001	0.01	0.42	3.4	0.3	0.9	36.0	<0.01	0.07	2.9	0.043
0522500 E 3707900 N	10.2	310	17.0	21.7	<0.001	0.01	0.44	3.4	0.3	1.0	39.5	<0.01	0.07	3.4	0.043
0522500 E 3707950 N	18.0	730	251	20.0	0.001	0.03	3.98	3.4	0.5	1.7	55.1	<0.01	0.14	2.3	0.036
0522500 E 3708000 N	9.0	890	27.6	15.3	0.001	0.03	0.46	3.1	0.4	1.7	144.0	<0.01	0.14	3.6	0.041
0522500 E 3708050 N	5.6	770	23.5	9.6	0.001	0.02	0.36	3.1	0.2	1.1	78.7	<0.01	0.09	2.5	0.040
0522500 E 3708100 N	5.6	750	16.1	11.2	0.001	0.01	0.32	3.3	0.2	1.0	55.1	<0.01	0.07	2.4	0.042
0522500 E 3708150 N	4.8	850	12.5	9.4	<0.001	<0.01	0.12	3.0	<0.2	1.0	46.0	<0.01	0.03	2.7	0.067
0522500 E 3708200 N	10.8	430	14.8	21.3	<0.001	0.01	0.30	3.7	0.2	0.9	36.2	<0.01	0.05	3.7	0.061
0522500 E 3708250 N	28.2	2080	19.5	37.6	0.001	<0.01	0.25	4.5	0.2	0.7	41.0	<0.01	0.06	7.7	0.138
0522550 E 3707600 N	22.5	860	135.5	25.6	0.001	0.04	3.18	4.0	0.4	1.6	52.5	<0.01	0.18	2.4	0.018
0522550 E 3707650 N	23.4	730	140.5	22.5	0.001	0.07	3.69	3.0	0.5	1.2	37.2	<0.01	0.13	2.6	0.029
0522550 E 3707700 N	18.6	440	83.0	20.5	<0.001	0.03	1.83	3.7	0.6	1.4	185.5	<0.01	0.14	1.6	0.026
0522550 E 3707750 N	20.8	530	97.1	22.0	0.001	0.05	4.01	4.4	0.5	1.5	22.9	<0.01	0.10	4.4	0.036
0522550 E 3707800 N	15.1	440	61.4	20.9	0.001	0.03	3.86	3.1	0.4	1.8	45.3	<0.01	0.16	2.5	0.032
0522550 E 3707850 N	9.5	280	34.2	18.3	0.001	0.02	1.00	3.2	0.3	1.3	37.9	<0.01	0.14	3.5	0.028
0522550 E 3707900 N	8.2	370	31.2	16.2	<0.001	0.02	0.73	2.8	0.2	1.1	32.6	<0.01	0.09	2.9	0.035
0522550 E 3707950 N	8.5	390	22.6	17.8	<0.001	0.02	0.55	3.4	0.3	1.2	45.3	<0.01	0.14	3.1	0.032
0522550 E 3708000 N	5.4	760	16.0	6.5	<0.001	0.01	0.35	3.1	0.2	0.9	65.8	<0.01	0.06	2.5	0.032
0522550 E 3708050 N	5.0	600	13.9	5.2	<0.001	0.01	0.31	3.5	0.3	0.7	87.4	<0.01	0.04	2.5	0.022
0522550 E 3708100 N	5.0	760	16.6	7.6	<0.001	0.01	0.28	3.7	0.3	1.0	65.4	<0.01	0.07	2.7	0.045
0522550 E 3708150 N	4.1	890	16.3	14.0	<0.001	<0.01	0.21	4.3	<0.2	1.3	78.4	<0.01	0.06	2.1	0.133



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Project: Iron Nugget

CERTIFICATE OF ANALYSIS RE17246765

Sample Description	Method Analyte Units	TI ppm	AU ppm	U ppm	AU ppm	V ppm	AU ppm	W ppm	AU ppm	Y ppm	Zn ppm	AU ppm	Zr ppm	AU ppm
0522450 E 3707600 N	LOR	0.21	0.56	0.05	38	0.16	11.00	0.05	0.16	11.00	123	0.5	3.0	0.01
0522450 E 3707650 N		0.28	0.58		50	0.16	13.35		0.23	13.35	202		3.7	
0522450 E 3707700 N		0.19	0.46		48	0.23	11.40		0.15	11.45	329		3.8	
0522450 E 3707750 N		0.18	0.76		40	0.15	11.45		0.13	11.05	44		2.1	
0522450 E 3707800 N		0.12	0.47		58	0.13	11.05		0.14	9.24	47		1.2	
0522450 E 3707850 N		0.16	0.63		39	0.14	9.24		0.11	10.30	42		1.9	
0522450 E 3707900 N		0.18	0.62		47	0.11	10.30		0.11	9.42	49		1.6	
0522450 E 3707950 N		0.16	0.51		50	0.11	9.42		<0.05	18.85	62		1.1	
0522450 E 3708000 N		0.05	0.34		53	<0.05	18.85		0.12	12.55	70		0.8	
0522450 E 3708050 N		0.10	0.32		73	0.12	12.55		0.13	15.50	90		1.2	
0522450 E 3708100 N		0.14	0.40		79	0.13	15.50		0.09	15.30	84		1.1	
0522450 E 3708150 N		0.11	0.29		56	0.09	15.30		0.32	17.60	67		0.9	
0522450 E 3708200 N		0.19	0.59		237	0.32	17.60		0.56	17.95	69		1.6	
0522450 E 3708250 N		0.19	0.63		224	0.56	17.95		0.14	11.10	77		1.2	
0522500 E 3707600 N		0.23	0.57		35	0.14	11.10		0.33	12.70	706		2.2	
0522500 E 3707650 N		0.28	0.74		94	0.33	12.70		0.16	13.30	135		4.4	
0522500 E 3707700 N		0.25	0.70		45	0.31	11.80		0.17	12.55	92		4.0	
0522500 E 3707750 N		0.21	0.71		48	0.16	13.30		0.07	10.50	44		2.2	
0522500 E 3707800 N		0.19	0.57		43	0.17	12.55		0.07	10.00	58		0.9	
0522500 E 3707850 N		0.12	0.54		66	0.06	10.50		0.08	14.10	59		0.9	
0522500 E 3707900 N		0.16	0.61		64	0.07	11.25		0.26	11.80	201		1.1	
0522500 E 3707950 N		0.19	0.58		85	0.26	11.80		0.09	14.15	71		1.7	
0522500 E 3708000 N		0.12	0.48		82	0.09	14.15		0.13	13.75	342		3.7	
0522500 E 3708050 N		0.07	0.31		85	0.07	10.00		0.29	17.10	74		1.3	
0522500 E 3708100 N		0.08	0.30		112	0.08	14.10		0.13	13.75	342		4.1	
0522500 E 3708150 N		0.07	0.29		122	0.10	16.35		0.29	10.15	158		2.4	
0522500 E 3708200 N		0.14	0.47		99	0.08	12.10		0.16	12.80	111		0.9	
0522500 E 3708250 N		0.21	0.61		177	0.29	17.10		0.34	15.40	127		3.6	
0522550 E 3707600 N		0.30	0.54		55	0.13	13.75		0.58	11.30	89		6.9	
0522550 E 3707650 N		0.24	0.58		37	0.10	11.80		0.10	11.80	50		1.5	
0522550 E 3707700 N		0.22	0.48		48	0.09	10.30		0.09	10.30	51		1.3	
0522550 E 3707750 N		0.22	0.76		61	0.16	12.80		0.07	13.10	51		1.2	
0522550 E 3707800 N		0.18	0.77		60	0.06	11.45		0.07	13.10	51		1.7	
0522550 E 3707850 N		0.16	0.61		141	0.06	11.45		<0.05	12.65	46		0.7	
0522550 E 3707900 N		0.13	0.46		93	0.08	14.85		0.08	14.85	61		1.2	
0522550 E 3707950 N		0.14	0.48		109	0.09	19.80		0.09	19.80	117		0.9	
0522550 E 3708000 N		0.06	0.33		109	0.06	11.45		0.07	13.10	51		1.7	
0522550 E 3708050 N		0.05	0.32		100	0.06	11.45		0.06	11.45	49		0.7	
0522550 E 3708100 N		0.07	0.30		106	0.08	14.85		<0.05	12.65	46		1.2	
0522550 E 3708150 N		0.12	0.31		60	0.09	19.80		0.08	14.85	61		1.0	



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CERTIFICATE OF ANALYSIS RE17246765

Method Analyte Units LOR	Sample Description	WEI	WT	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
		g	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
0522550 E 3708200 N		0.38	0.002	0.10	2.31	6.0	19.9	10	280	0.67	0.69	1.03	0.36	31.4	7.6	4	0.84
0522550 E 3708250 N		0.28	0.003	0.73	1.52	4.7	18.4	10	120	0.42	0.36	0.65	0.22	31.8	16.6	53	4.03
0522600 E 3707600 N		0.34	0.003	0.17	1.22	22.1	22.1	10	90	0.60	0.19	14.35	0.49	20.4	6.8	11	1.39
0522600 E 3707650 N		0.14	0.004	0.28	1.95	36.9	36.9	10	110	1.01	0.55	7.24	2.15	31.4	10.6	18	2.56
0522600 E 3707700 N		0.34	0.006	0.25	2.79	22.8	22.8	10	160	1.30	0.93	0.68	0.89	52.8	13.4	27	2.86
0522600 E 3707750 N		0.32	0.004	0.24	2.55	19.9	19.9	20	150	1.11	1.27	0.96	0.75	43.5	11.7	23	2.37
0522600 E 3707800 N		0.36	0.013	0.40	2.18	18.4	18.4	10	200	0.95	1.28	0.61	0.81	43.0	12.1	22	1.96
0522600 E 3707850 N		0.12	0.009	0.11	1.24	7.2	7.2	10	90	0.94	0.67	0.27	0.36	36.0	8.3	17	1.84
0522600 E 3707900 N		0.20	0.004	0.12	1.63	5.4	5.4	10	140	0.59	0.51	0.52	0.30	31.1	8.8	12	0.68
0522600 E 3707950 N		0.10	0.007	0.08	1.53	7.9	7.9	10	130	0.63	0.45	0.50	0.33	30.7	9.8	20	0.91
0522600 E 3708000 N		0.38	0.001	0.05	1.39	2.6	2.6	10	120	0.41	0.30	0.60	0.25	30.5	6.6	5	0.43
0522600 E 3708050 N		0.24	0.002	0.08	1.50	4.5	4.5	10	100	0.48	0.34	0.46	0.18	34.1	9.2	10	0.67
0522600 E 3708100 N		0.46	0.001	0.04	1.64	3.9	3.9	10	170	0.37	0.37	0.63	0.27	34.5	8.9	5	0.65
0522600 E 3708150 N		0.34	0.001	0.07	1.91	4.9	4.9	10	150	0.42	0.57	0.67	0.32	31.1	9.1	5	0.75
0522600 E 3708200 N		0.26	0.001	0.08	1.65	4.2	4.2	10	130	0.50	0.57	0.58	0.34	28.7	6.7	6	0.59
0522600 E 3708250 N		0.46	0.004	0.11	1.87	2.5	2.5	10	140	0.46	0.17	0.73	0.11	34.6	18.8	55	4.17
0522650 E 3707450 N		0.38	0.003	0.11	1.66	7.0	7.0	10	120	0.56	0.46	0.37	0.28	27.2	9.1	14	0.62
0522650 E 3707500 N		0.26	0.005	0.20	1.67	12.6	12.6	10	130	0.71	0.62	0.33	0.42	32.8	10.0	14	0.95
0522650 E 3707550 N		0.32	0.006	0.12	1.49	14.8	14.8	10	100	0.75	0.60	0.27	0.42	35.2	9.8	14	0.96
0522650 E 3707600 N		0.36	0.004	0.24	1.25	15.3	15.3	10	110	0.72	0.46	0.30	0.45	43.8	11.1	14	1.51
0522650 E 3707650 N		0.30	0.002	0.21	2.13	18.1	18.1	10	130	1.00	0.76	0.52	0.98	37.5	11.7	22	2.36
0522650 E 3707700 N		0.32	0.005	0.15	2.47	12.2	12.2	10	130	0.83	0.46	0.69	0.29	43.1	10.7	14	2.26
0522650 E 3707750 N		0.24	0.003	0.13	1.14	7.3	7.3	10	100	0.58	0.54	0.39	0.31	38.6	10.7	15	1.24
0522650 E 3707800 N		0.22	0.003	0.21	1.51	7.5	7.5	10	120	0.64	0.52	0.42	0.27	36.0	9.1	11	0.94
0522650 E 3707850 N		0.34	0.007	0.12	1.68	8.8	8.8	10	160	0.80	0.40	0.47	0.23	30.0	9.7	17	0.81
0522650 E 3707900 N		0.30	0.010	0.08	2.15	12.7	12.7	10	180	0.82	0.44	0.68	0.29	30.1	9.2	20	1.40
0522650 E 3707950 N		0.26	0.011	0.10	2.20	14.6	14.6	30	200	0.91	0.49	0.66	0.33	33.4	9.2	20	2.83
0522650 E 3708000 N		0.38	0.009	0.12	1.53	12.0	12.0	10	110	0.65	0.56	0.40	0.32	33.6	10.0	19	1.34
0522650 E 3708050 N		0.26	0.004	0.08	1.28	8.6	8.6	10	90	0.52	0.52	0.33	0.32	36.1	9.2	16	1.07
0522650 E 3708100 N		0.26	0.001	0.06	1.51	5.2	5.2	10	130	0.48	0.30	0.45	0.25	35.8	7.3	6	0.76
0522650 E 3708150 N		0.38	0.001	0.06	1.68	4.8	4.8	10	200	0.32	0.56	0.57	0.25	31.0	8.6	4	0.79
0522650 E 3708200 N		0.46	0.001	0.05	1.93	5.1	5.1	10	260	0.33	0.66	0.69	0.37	34.3	10.5	5	1.07
0522650 E 3708250 N		0.34	0.002	0.06	1.93	4.4	4.4	10	200	0.33	0.60	0.68	0.39	31.4	10.2	5	0.98
0522700 E 3707600 N		0.34	0.004	0.15	1.89	18.9	18.9	10	120	1.09	1.01	0.62	0.60	50.0	11.4	21	2.32
0522700 E 3707650 N		0.40	0.001	0.14	1.98	12.6	12.6	20	130	0.75	0.91	7.48	0.50	30.6	8.1	17	1.74
0522700 E 3707700 N		0.40	0.002	0.10	1.94	9.7	9.7	10	100	0.79	0.40	0.39	0.22	36.7	8.6	18	1.56
0522700 E 3707750 N		0.30	0.004	0.10	2.06	8.3	8.3	10	120	0.76	0.43	0.42	0.27	35.4	9.0	13	0.90
0522700 E 3707800 N		0.36	0.006	0.08	1.29	11.1	11.1	10	100	0.67	0.45	0.28	0.26	35.9	9.7	17	1.14
0522700 E 3707850 N		0.40	0.003	0.09	1.44	7.1	7.1	10	110	0.63	0.43	0.57	0.23	34.6	10.7	11	0.99
0522700 E 3707900 N		0.28	0.048	0.13	1.73	15.9	15.9	10	110	0.86	1.00	0.45	0.39	35.8	9.4	18	1.67



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Method Analyte Units LOR	Sample Description	Ni ppm	Pb ppm	Rb ppm	Re ppm	S ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %
0522550 E 3708200 N		5.0	21.5	27.9	0.001	0.02	5.8	0.4	1.9	102.5	<0.01	0.13	2.5	0.112
0522550 E 3708250 N		26.6	20.2	27.7	0.001	<0.01	3.9	0.3	0.8	36.6	<0.01	0.06	9.0	0.102
0522600 E 3707600 N		10.8	34.0	10.9	<0.001	0.05	1.8	0.5	0.5	79.6	<0.01	0.05	0.8	0.014
0522600 E 3707650 N		19.6	223	21.3	<0.001	0.06	3.4	0.4	0.9	54.3	<0.01	0.09	1.8	0.023
0522600 E 3707700 N		25.8	79.0	32.7	0.001	0.03	5.4	0.4	1.8	23.2	<0.01	0.17	5.3	0.046
0522600 E 3707750 N		21.1	66.1	29.7	0.001	0.04	4.2	0.5	2.1	25.1	<0.01	0.23	3.3	0.045
0522600 E 3707800 N		19.4	206	26.3	<0.001	0.02	4.2	0.4	46.9	25.3	<0.01	0.20	4.0	0.050
0522600 E 3707850 N		260	24.1	20.9	0.001	0.01	3.8	0.3	1.9	27.0	<0.01	0.11	4.4	0.029
0522600 E 3707900 N		6.7	770	12.5	0.001	0.02	3.2	<0.2	1.1	56.6	<0.01	0.07	3.0	0.037
0522600 E 3707950 N		8.4	590	15.1	<0.001	0.03	3.0	0.2	1.0	59.2	<0.01	0.07	2.9	0.029
0522600 E 3708000 N		4.1	930	9.1	<0.001	0.01	2.8	<0.2	1.1	56.8	<0.01	0.04	2.1	0.086
0522600 E 3708050 N		5.6	830	14.3	0.001	0.01	2.8	0.2	0.9	47.7	<0.01	0.05	3.0	0.046
0522600 E 3708100 N		4.1	1190	22.1	0.001	0.01	3.5	<0.2	1.3	47.1	<0.01	0.08	2.1	0.112
0522600 E 3708150 N		4.6	1080	24.2	0.001	0.01	4.5	0.2	1.8	59.4	<0.01	0.14	2.1	0.141
0522600 E 3708200 N		4.6	650	23.1	0.003	0.02	3.4	0.3	1.6	58.3	<0.01	0.12	1.9	0.059
0522650 E 3708250 N		30.7	1980	37.6	0.001	<0.01	5.1	0.2	0.6	42.8	<0.01	0.04	5.5	0.144
0522650 E 3707450 N		7.3	460	12.3	0.002	0.02	3.4	0.2	1.2	50.4	<0.01	0.10	3.5	0.032
0522650 E 3707500 N		8.8	370	16.6	0.001	0.02	3.9	0.4	1.4	46.0	<0.01	0.14	2.6	0.030
0522650 E 3707550 N		8.7	340	15.7	0.001	0.02	3.6	0.3	1.2	36.2	<0.01	0.14	2.0	0.037
0522650 E 3707600 N		10.8	41.9	19.8	0.001	0.01	3.5	0.3	1.0	31.0	<0.01	0.10	3.4	0.045
0522650 E 3707650 N		20.7	430	26.0	0.002	0.03	4.3	0.2	1.4	24.4	<0.01	0.17	4.2	0.040
0522650 E 3707700 N		12.9	740	27.8	0.001	0.03	4.5	0.3	1.3	27.0	<0.01	0.07	4.3	0.062
0522650 E 3707750 N		9.4	330	19.9	0.001	0.02	3.4	0.3	1.2	33.9	<0.01	0.11	3.3	0.045
0522650 E 3707800 N		7.3	520	12.7	0.001	0.01	3.7	0.2	1.1	46.1	<0.01	0.11	3.2	0.042
0522650 E 3707850 N		7.4	700	22.2	0.001	0.02	3.4	0.2	0.9	63.6	<0.01	0.08	2.9	0.026
0522650 E 3707900 N		8.9	510	14.0	0.001	0.02	4.4	0.2	1.0	76.6	<0.01	0.10	3.3	0.024
0522650 E 3707950 N		9.7	530	19.8	0.002	0.02	4.7	0.3	1.1	81.8	<0.01	0.11	4.8	0.053
0522650 E 3708000 N		8.6	500	13.5	0.001	0.01	3.5	0.2	1.1	50.3	<0.01	0.12	3.3	0.037
0522650 E 3708050 N		7.3	440	22.7	0.001	0.01	3.0	0.2	1.1	35.9	<0.01	0.12	2.5	0.036
0522650 E 3708100 N		4.4	550	15.2	0.001	0.01	2.9	<0.2	1.0	45.2	<0.01	0.06	2.9	0.043
0522650 E 3708150 N		4.0	1180	18.2	0.001	0.01	4.4	0.2	1.7	50.3	<0.01	0.12	1.9	0.160
0522650 E 3708200 N		5.2	1290	25.4	0.001	<0.01	4.8	<0.2	2.4	67.3	<0.01	0.12	2.2	0.202
0522650 E 3708250 N		5.0	1280	24.1	0.001	0.01	5.5	<0.2	2.2	82.6	<0.01	0.15	2.0	0.205
0522700 E 3707600 N		19.1	310	58.9	0.001	0.02	3.6	0.3	1.6	24.5	<0.01	0.20	4.6	0.041
0522700 E 3707650 N		14.5	640	34.1	0.001	0.04	2.8	0.5	1.6	65.6	<0.01	0.21	1.7	0.038
0522700 E 3707700 N		12.0	290	17.4	0.001	0.01	3.8	0.2	1.0	16.8	<0.01	0.07	4.7	0.035
0522700 E 3707750 N		8.8	440	22.4	0.001	0.02	4.7	0.2	1.2	47.7	<0.01	0.10	3.7	0.030
0522700 E 3707800 N		9.3	260	23.5	0.001	0.02	3.7	0.3	1.1	35.4	<0.01	0.11	3.8	0.036
0522700 E 3707850 N		7.7	470	19.4	0.001	0.03	3.3	0.4	1.1	55.4	<0.01	0.11	2.3	0.041
0522700 E 3707900 N		9.8	400	29.3	0.001	0.02	4.3	0.3	1.7	50.3	<0.01	0.27	4.1	0.030



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CERTIFICATE OF ANALYSIS RE17246765

Method Analyte Units LOR	TI ppm	AuME-TL43 AuME-TL43 ppm	U ppm	AuME-TL43 AuME-TL43 ppm	V ppm	AuME-TL43 AuME-TL43 ppm	W ppm	AuME-TL43 AuME-TL43 ppm	Y ppm	AuME-TL43 AuME-TL43 ppm	Zn ppm	AuME-TL43 AuME-TL43 ppm	Zr ppm	Au ppm
0522550 E 3708200 N	0.18	0.38	33	0.06	15.90	100	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.01
0522550 E 3708250 N	0.17	0.62	168	0.27	13.25	69	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.01
0522600 E 3707600 N	0.13	0.34	35	0.09	7.02	114	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.01
0522600 E 3707650 N	0.24	0.52	41	0.21	10.25	388	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.01
0522600 E 3707700 N	0.27	0.74	56	0.18	17.05	124	6.5	6.5	6.5	6.5	6.5	6.5	6.5	0.01
0522600 E 3707750 N	0.24	0.54	52	0.19	13.80	126	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.01
0522600 E 3707800 N	0.22	0.57	57	0.18	13.90	161	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.01
0522600 E 3707850 N	0.15	0.64	53	0.10	10.00	40	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.01
0522600 E 3707900 N	0.09	0.37	120	0.08	10.95	59	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.01
0522600 E 3707950 N	0.12	0.44	119	0.07	10.35	57	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.01
0522600 E 3708000 N	0.07	0.26	38	0.08	11.50	80	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.01
0522600 E 3708050 N	0.07	0.36	111	0.07	13.05	53	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.01
0522600 E 3708100 N	0.12	0.27	77	0.14	14.90	98	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.01
0522600 E 3708150 N	0.15	0.32	56	0.17	17.15	130	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.01
0522600 E 3708200 N	0.12	0.34	53	0.09	12.35	82	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.01
0522600 E 3708250 N	0.21	0.49	169	0.46	15.60	64	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.01
0522650 E 3707450 N	0.10	0.38	164	0.06	8.96	57	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.01
0522650 E 3707500 N	0.15	0.53	116	0.08	10.85	73	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.01
0522650 E 3707550 N	0.15	0.57	99	0.07	11.40	72	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.01
0522650 E 3707600 N	0.17	0.72	85	0.12	12.30	81	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.01
0522650 E 3707650 N	0.23	0.54	56	0.18	10.60	203	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.01
0522650 E 3707700 N	0.20	0.56	75	0.11	13.45	79	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.01
0522650 E 3707750 N	0.16	0.59	76	0.09	10.10	48	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.01
0522650 E 3707800 N	0.12	0.48	73	0.07	11.20	52	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.01
0522650 E 3707850 N	0.10	0.40	125	0.07	10.70	52	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.01
0522650 E 3707900 N	0.15	0.52	97	0.06	11.25	65	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.01
0522650 E 3707950 N	0.18	0.61	92	0.21	12.55	66	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.01
0522650 E 3708000 N	0.13	0.51	99	0.08	11.75	54	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.01
0522650 E 3708050 N	0.13	0.48	86	0.10	12.25	51	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.01
0522650 E 3708100 N	0.11	0.28	65	0.14	12.10	66	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.01
0522650 E 3708150 N	0.15	0.26	53	0.10	16.15	122	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.01
0522650 E 3708200 N	0.18	0.31	53	0.12	20.0	142	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.01
0522650 E 3708250 N	0.17	0.30	53	0.12	18.20	145	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.01
0522700 E 3707600 N	0.23	0.61	43	0.19	13.05	92	4.6	4.6	4.6	4.6	4.6	4.6	4.6	0.01
0522700 E 3707650 N	0.19	0.42	36	0.15	9.37	77	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.01
0522700 E 3707700 N	0.15	0.43	75	0.09	10.70	48	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.01
0522700 E 3707750 N	0.13	0.50	93	<0.05	12.15	59	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.01
0522700 E 3707800 N	0.16	0.57	87	0.08	9.90	50	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.01
0522700 E 3707850 N	0.14	0.52	72	0.07	9.99	52	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.01
0522700 E 3707900 N	0.20	0.63	71	0.13	11.55	61	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.01



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Method Analyte Units LOR	Sample Description	WEF-21 Recvd Wt. lg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
0522700 E 3707950 N		0.30	0.025	0.11	1.90	11.3	10	170	0.93	0.62	0.77	0.36	33.4	9.0	17	1.14
0522700 E 3708000 N		0.40	0.008	0.08	1.58	11.7	10	110	0.68	0.59	0.38	0.35	35.6	10.4	20	1.51
0522700 E 3708050 N		0.32	0.008	0.07	1.49	8.0	10	90	0.73	0.39	0.42	0.23	34.7	8.8	18	1.43
0522700 E 3708100 N		0.40	0.001	0.08	2.12	3.8	10	180	0.37	0.47	0.75	0.34	40.7	9.1	4	1.18
0522700 E 3708150 N		0.52	0.001	0.04	1.63	3.3	10	200	0.32	0.44	0.65	0.28	43.7	9.1	4	0.84
0522700 E 3708200 N		0.46	0.001	0.03	1.65	2.8	10	180	0.58	0.20	1.28	0.20	30.5	5.7	2	0.32
0522700 E 3708250 N		0.34	0.001	0.03	1.73	2.8	10	210	0.55	0.18	1.32	0.23	31.3	6.2	2	0.32
0522750 E 3707600 N		0.36	0.002	0.09	1.61	11.4	20	90	0.58	0.32	12.20	0.23	22.0	6.7	17	2.07
0522750 E 3707650 N		0.34	0.003	0.07	1.67	7.2	10	110	0.68	0.51	0.63	0.27	30.9	7.7	12	0.76
0522750 E 3707700 N		0.35	0.007	0.08	1.83	11.2	10	140	1.07	0.41	0.57	0.31	36.0	9.7	14	1.53
0522750 E 3707750 N		0.34	0.002	0.08	1.12	12.1	10	100	0.69	0.45	0.26	0.29	36.3	9.3	17	1.37
0522750 E 3707800 N		0.36	0.005	0.08	1.18	12.0	10	110	0.71	0.52	0.35	0.37	30.7	10.1	19	1.31
0522750 E 3707850 N		0.36	0.005	0.06	1.26	11.5	10	100	0.74	0.52	0.44	0.30	39.3	11.0	17	1.87
0522750 E 3707900 N		0.48	0.039	0.11	1.17	27.0	10	90	0.73	0.94	0.35	0.53	31.7	11.9	21	2.20
0522750 E 3707950 N		0.36	0.101	0.10	1.69	16.2	10	140	0.80	0.93	0.44	0.26	26.7	12.5	22	1.37
0522750 E 3708000 N		0.38	0.021	0.08	2.14	9.2	10	150	0.84	0.39	0.80	0.21	45.5	10.3	23	1.86
0522750 E 3708050 N		0.36	0.074	0.13	1.63	12.0	10	90	0.85	0.88	0.39	0.33	42.1	12.9	17	1.95
0522750 E 3708100 N		0.44	0.011	0.08	1.59	6.1	10	70	0.53	0.30	0.44	0.17	43.3	9.4	9	1.19
0522750 E 3708150 N		0.38	0.002	0.05	2.15	4.3	10	140	0.46	0.23	0.85	0.18	57.0	10.3	5	1.46
0522750 E 3708200 N		0.38	0.001	0.08	1.80	7.4	10	140	0.69	0.60	0.60	0.36	35.5	9.1	16	1.34
0522750 E 3708250 N		0.42	>1.00	0.08	1.87	8.8	10	120	0.74	0.55	0.67	0.32	38.1	10.5	21	3.03
0522800 E 3707650 N		0.34	0.006	0.04	2.70	6.0	10	160	0.85	0.10	0.65	0.07	31.4	7.7	9	1.38
0522800 E 3707700 N		0.32	0.005	0.08	1.75	18.6	10	120	0.99	0.50	0.33	0.32	36.4	9.6	18	1.56
0522800 E 3707750 N		0.38	0.003	0.09	1.56	16.0	10	120	0.93	0.56	0.40	0.36	42.1	10.9	18	1.61
0522800 E 3707800 N		0.42	0.003	0.07	1.18	20.2	10	100	0.85	0.52	0.25	0.34	40.4	11.3	18	1.82
0522800 E 3707850 N		0.52	0.001	0.05	0.81	11.0	10	80	0.87	0.26	0.23	0.26	35.4	10.6	10	2.22
0522800 E 3707900 N		0.38	0.006	0.07	1.71	11.9	10	110	0.83	0.40	0.49	0.24	35.6	9.1	13	1.48
0522800 E 3707950 N		0.44	0.005	0.13	1.06	17.9	10	120	1.00	0.47	0.27	0.75	33.2	9.3	17	2.77
0522800 E 3708000 N		0.44	0.008	0.07	1.27	24.0	10	80	0.94	0.28	0.22	0.23	32.4	10.2	14	2.69
0522800 E 3708050 N		0.26	0.005	0.10	1.44	14.7	10	80	0.72	0.61	0.54	0.37	26.5	8.8	13	1.35
0522800 E 3708100 N		0.36	0.016	0.07	2.68	5.5	10	100	0.96	0.23	0.61	0.12	49.5	8.0	6	1.78
0522800 E 3708150 N		0.42	0.004	0.09	1.86	8.9	10	110	0.74	0.55	0.64	0.28	41.4	9.0	11	1.22
0522800 E 3708200 N		0.32	0.003	0.16	1.45	10.4	10	90	0.74	0.46	0.37	0.26	33.0	8.4	14	1.66
0522800 E 3708250 N		0.30	0.004	0.08	2.17	6.6	10	120	0.85	0.23	0.72	0.26	45.6	13.3	25	2.69
0522850E 3707750 N		0.32	0.003	0.07	1.54	8.0	10	110	0.71	0.47	0.41	0.26	28.3	8.2	13	0.50
0522850E 3707800 N		0.36	0.004	0.06	1.51	11.2	10	100	0.74	0.50	0.42	0.39	29.3	9.0	13	1.12
0522850E 3707850 N		0.42	0.002	0.05	1.14	9.6	10	120	0.45	0.22	0.22	0.32	42.0	11.8	20	2.20
0522850E 3707900 N		0.50	0.001	0.07	1.50	14.4	10	170	0.81	0.62	0.21	0.43	42.1	10.9	23	2.06
0522850E 3707950 N		0.36	0.001	0.03	1.16	8.7	10	130	0.76	0.28	0.20	0.19	39.8	9.1	21	2.01
0522850E 3708000 N		0.48	0.002	0.06	1.56	10.6	10	130	1.14	0.31	0.21	0.25	44.3	12.0	22	2.39



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Method Analyte Units LOR	NI ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %
0522700 E 3707950 N	9.5	540	22.7	14.6	0.001	0.03	0.61	4.1	0.3	1.3	114.5	<0.01	0.13	3.8	0.022
0522700 E 3708000 N	9.3	430	29.8	16.1	0.001	0.01	0.84	3.4	0.4	1.2	49.7	<0.01	0.14	3.3	0.044
0522700 E 3708050 N	9.0	370	19.8	16.8	0.001	0.02	0.62	3.4	0.2	1.0	43.9	<0.01	0.09	3.6	0.033
0522700 E 3708100 N	4.1	1230	17.6	36.6	0.001	0.02	0.22	5.8	0.3	1.5	70.6	<0.01	0.08	2.8	0.150
0522700 E 3708150 N	4.2	1450	18.6	21.9	0.001	0.01	0.20	4.1	0.2	1.7	50.0	<0.01	0.09	3.1	0.163
0522700 E 3708200 N	2.2	1130	9.3	12.6	<0.001	0.01	0.12	3.4	0.2	1.0	65.4	<0.01	0.06	1.3	0.046
0522700 E 3708250 N	2.4	1130	9.8	15.6	<0.001	0.01	0.12	3.7	<0.2	1.1	59.8	<0.01	0.04	1.3	0.052
0522750 E 3707600 N	13.4	420	17.6	15.3	0.001	0.02	0.67	2.1	0.5	0.6	67.1	<0.01	0.07	1.0	0.023
0522750 E 3707650 N	8.0	410	23.5	11.0	0.001	0.03	0.42	3.3	0.2	1.3	53.7	<0.01	0.10	2.4	0.031
0522750 E 3707700 N	11.1	730	27.1	25.3	0.001	0.02	0.68	4.2	0.3	1.2	89.5	<0.01	0.08	2.8	0.044
0522750 E 3707750 N	10.0	270	24.1	18.5	0.001	0.02	0.78	3.3	0.4	1.0	38.3	<0.01	0.09	2.7	0.040
0522750 E 3707800 N	9.8	260	30.7	15.1	0.001	0.01	0.88	3.4	0.2	1.1	45.4	<0.01	0.11	3.6	0.033
0522750 E 3707850 N	10.2	230	27.4	22.6	0.001	0.01	0.80	4.0	0.3	1.0	39.9	<0.01	0.11	3.2	0.050
0522750 E 3707900 N	11.0	420	37.5	18.4	0.001	0.01	2.15	3.6	0.2	1.5	22.7	<0.01	0.23	4.2	0.038
0522750 E 3707950 N	10.9	400	27.8	11.2	0.001	0.02	0.95	3.7	0.3	1.3	65.0	<0.01	0.24	3.6	0.030
0522750 E 3708000 N	7.4	790	20.5	16.3	0.001	0.01	0.50	4.5	0.3	1.0	89.2	<0.01	0.08	4.5	0.087
0522750 E 3708050 N	12.0	700	25.5	29.9	0.001	0.02	0.64	4.0	0.3	1.6	36.3	<0.01	0.23	3.7	0.044
0522750 E 3708100 N	5.3	850	16.2	12.7	0.001	0.01	0.27	3.1	0.2	0.8	43.7	<0.01	0.07	3.5	0.045
0522750 E 3708150 N	4.4	1500	14.0	40.3	0.001	0.01	0.21	6.6	0.2	1.1	66.4	<0.01	0.05	4.6	0.160
0522750 E 3708200 N	8.8	1020	24.0	24.5	0.001	0.01	0.37	4.7	0.3	1.5	49.3	<0.01	0.12	4.0	0.065
0522750 E 3708250 N	11.3	1200	21.6	27.2	0.001	0.01	0.36	5.0	<0.2	1.2	38.5	<0.01	0.13	5.2	0.063
0522800 E 3707650 N	6.7	610	28.0	13.6	<0.001	0.01	0.30	4.9	0.2	0.8	91.1	<0.01	0.02	2.5	0.057
0522800 E 3707700 N	11.7	280	35.5	20.4	0.001	0.02	0.87	4.5	0.4	1.1	48.1	<0.01	0.10	4.5	0.030
0522800 E 3707750 N	12.3	310	28.5	24.5	0.001	0.02	0.82	4.4	0.3	1.3	65.7	<0.01	0.13	2.8	0.044
0522800 E 3707800 N	12.0	210	30.5	23.2	0.001	0.01	1.23	4.0	0.3	1.0	42.1	<0.01	0.12	4.1	0.051
0522800 E 3707850 N	9.2	260	23.7	23.4	0.001	0.01	1.20	2.8	0.3	0.7	20.6	<0.01	0.04	3.8	0.040
0522800 E 3707900 N	8.4	540	36.1	21.0	0.001	0.01	0.76	4.3	0.3	1.1	49.7	<0.01	0.09	3.8	0.046
0522800 E 3707950 N	12.9	360	43.3	29.1	<0.001	0.01	1.37	3.6	0.3	1.0	27.5	<0.01	0.12	4.7	0.039
0522800 E 3708000 N	12.1	250	31.5	24.4	0.001	0.01	1.34	3.8	0.3	0.8	22.3	<0.01	0.06	3.9	0.028
0522800 E 3708050 N	7.7	470	31.4	18.2	0.002	0.03	0.69	4.3	0.4	1.2	59.1	<0.01	0.14	3.0	0.031
0522800 E 3708100 N	5.0	750	21.5	13.3	0.001	0.01	0.24	5.5	<0.2	0.9	70.7	<0.01	0.05	6.0	0.061
0522800 E 3708150 N	8.0	920	25.5	21.5	0.001	0.02	0.47	4.6	0.3	1.3	49.9	<0.01	0.12	4.2	0.062
0522800 E 3708200 N	9.8	400	32.3	18.9	0.001	0.02	0.56	4.8	0.2	1.0	31.8	<0.01	0.09	4.3	0.032
0522800 E 3708250 N	16.5	1140	13.2	35.1	0.001	0.01	0.30	7.8	0.3	0.8	48.8	<0.01	0.05	5.0	0.089
0522850E 3707750 N	7.2	530	24.7	9.1	0.002	0.02	0.39	3.3	0.2	1.0	60.1	<0.01	0.11	2.4	0.026
0522850E 3707800 N	8.4	460	31.9	14.1	0.001	0.02	0.59	3.3	0.2	1.0	63.1	<0.01	0.11	2.5	0.033
0522850E 3707850 N	13.5	230	29.2	27.8	<0.001	0.01	0.89	3.6	0.2	0.8	26.3	<0.01	0.14	4.7	0.055
0522850E 3707900 N	14.4	370	28.2	28.8	0.001	0.01	0.64	4.3	0.3	1.2	25.3	<0.01	0.15	5.0	0.051
0522850E 3707950 N	12.3	180	17.4	25.9	0.001	0.01	0.58	3.8	0.2	0.8	25.1	<0.01	0.06	4.9	0.046
0522850E 3708000 N	16.3	240	29.7	35.7	0.001	0.01	0.64	4.8	0.3	0.9	21.3	<0.01	0.06	5.3	0.050



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Sample Description	Method Analyte Units LOR	Au/Me-TL43 Au/Me-TL43 Au/Me-TL43 Au/Me-TL43 Au/Me-TL43 Au/Me-TL43 Au/Me-TL43 Au/Me-TL43 Au/Me-TL43 Au/Me-TL43 Au/Me-TL43 Au/Me-TL43																				
		Tl ppm 0.02	U ppm 0.05	V ppm 1	W ppm 0.05	Y ppm 0.05	Zn ppm 2	Zr ppm 0.5	Au ppm 0.01	Ag ppm 0.01	Au ppm 0.01	Au ppm 0.01										
0522700 E 3707950 N		0.15	0.57	89	0.09	12.50	54	2.0														
0522700 E 3708000 N		0.15	0.59	95	0.08	13.10	56	0.9														
0522700 E 3708050 N		0.16	0.56	73	0.08	9.86	47	1.9														
0522700 E 3708100 N		0.18	0.35	59	0.21	18.10	90	0.8														
0522700 E 3708150 N		0.13	0.29	68	0.11	17.60	108	1.0														
0522700 E 3708200 N		0.08	0.25	34	0.11	17.60	65	<0.5														
0522700 E 3708250 N		0.09	0.24	35	0.10	17.60	68	<0.5														
0522750 E 3707600 N		0.14	0.42	30	0.12	7.00	43	1.8														
0522750 E 3707650 N		0.09	0.40	82	0.05	10.50	57	1.8														
0522750 E 3707700 N		0.22	0.60	62	0.07	12.70	71	1.5														
0522750 E 3707750 N		0.17	0.65	76	0.09	9.54	54	1.0														
0522750 E 3707800 N		0.14	0.52	94	0.08	9.34	54	1.3														
0522750 E 3707850 N		0.18	0.69	76	0.07	10.80	52	1.0														
0522750 E 3707900 N		0.20	0.63	94	0.17	9.81	85	1.1														
0522750 E 3707950 N		0.13	0.44	109	0.14	10.10	60	2.0														
0522750 E 3708000 N		0.10	0.51	88	0.13	17.35	76	1.6														
0522750 E 3708050 N		0.20	0.75	56	0.17	12.75	72	1.3														
0522750 E 3708100 N		0.08	0.38	131	0.09	13.75	47	0.7														
0522750 E 3708150 N		0.16	0.34	74	0.14	21.8	79	0.8														
0522750 E 3708200 N		0.13	0.40	96	0.09	13.80	74	1.3														
0522750 E 3708250 N		0.15	0.40	91	0.13	13.55	69	1.4														
0522800 E 3707650 N		0.15	0.35	63	<0.05	13.80	76	1.5														1.74
0522800 E 3707700 N		0.22	0.63	86	0.06	11.70	78	3.5														
0522800 E 3707750 N		0.23	0.75	69	0.07	11.65	65	1.4														
0522800 E 3707800 N		0.22	0.77	65	0.11	9.78	72	1.2														
0522800 E 3707850 N		0.22	0.66	30	0.13	7.38	79	1.1														
0522800 E 3707900 N		0.15	0.54	75	0.08	13.35	61	1.5														
0522800 E 3707950 N		0.20	0.77	34	0.24	9.51	91	1.6														
0522800 E 3708000 N		0.21	0.70	36	0.13	7.29	50	1.1														
0522800 E 3708050 N		0.14	0.44	99	0.11	8.25	56	1.3														
0522800 E 3708100 N		0.11	0.67	65	0.05	17.80	67	1.5														
0522800 E 3708150 N		0.12	0.44	76	0.07	15.35	66	1.2														
0522800 E 3708200 N		0.14	0.49	73	0.09	11.35	51	1.6														
0522800 E 3708250 N		0.16	0.48	106	0.17	18.15	71	1.5														
0522850E 3707750 N		0.09	0.39	93	0.06	11.80	53	1.2														
0522850E 3707800 N		0.12	0.44	86	0.07	11.50	69	1.4														
0522850E 3707850 N		0.20	0.77	42	0.11	10.20	73	1.6														
0522850E 3707900 N		0.20	0.63	41	0.12	9.72	68	2.2														
0522850E 3707950 N		0.19	0.64	45	0.08	9.69	46	1.4														
0522850E 3708000 N		0.24	0.97	46	0.10	13.30	54	1.7														



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CERTIFICATE OF ANALYSIS RE17246765

Sample Description	Method Analyte Units LOR	WEH 21 Recvd Wt. kg	Au ppm	AuME-TL43 Au ppm	Ag ppm	Al %	AuME-TL43 AuME-TL43 %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
0522850E 3708050 N		0.50	0.001	0.08	0.08	0.76	0.01	14.1	10	70	0.58	0.40	0.13	0.73	22.6	6.4	12	1.75
0522850E 3708100 N		0.48	0.003	0.18	0.18	0.89	0.01	23.6	10	80	0.83	0.30	0.34	0.71	27.9	7.9	14	2.28
0522850E 3708150 N		0.40	0.001	0.14	0.14	0.78	0.01	21.3	<10	80	0.64	0.38	0.21	0.31	26.0	5.8	14	1.93
0522850E 3708200 N		0.38	0.003	0.12	0.12	1.49	0.01	14.2	10	110	0.88	0.37	0.58	0.39	34.9	8.2	16	2.11
0522850E 3708250 N		0.36	0.001	0.12	0.12	1.38	0.01	12.6	<10	120	0.83	0.92	0.40	0.34	43.7	15.7	29	3.21
0522900 E 3707800 N		0.40	0.004	0.10	0.10	1.33	0.01	27.4	<10	110	1.05	0.50	0.29	0.37	38.3	12.3	18	2.08
0522900 E 3707850 N		0.40	0.001	0.11	0.11	1.15	0.01	19.6	<10	170	0.90	1.02	0.68	0.56	39.9	12.2	18	1.95
0522900 E 3707900 N		0.44	<0.001	0.06	0.06	1.10	0.01	9.2	<10	170	0.88	0.41	0.23	0.30	42.5	12.3	20	2.06
0522900 E 3707950 N		0.44	0.002	0.04	0.04	1.16	0.01	9.5	<10	140	0.84	0.48	0.17	0.32	42.8	11.0	20	2.21
0522900 E 3708000 N		0.42	0.001	0.10	0.10	1.06	0.01	15.6	<10	150	0.90	0.58	0.43	0.98	41.0	14.4	19	2.44
0522900 E 3708050 N		0.52	<0.001	0.14	0.14	0.98	0.01	35.6	<10	120	0.90	0.32	0.16	0.90	36.2	10.1	16	2.75
0522900 E 3708100 N		0.44	0.001	0.11	0.11	0.81	0.01	16.8	<10	90	0.89	0.25	0.19	0.42	33.0	10.1	17	3.13
0522900 E 3708150 N		0.40	<0.001	0.12	0.12	0.85	0.01	9.2	<10	110	0.81	0.26	0.17	0.29	36.5	10.9	18	2.52
0522900 E 3708200 N		0.36	0.002	0.29	0.29	1.64	0.01	9.3	<10	130	1.11	0.57	0.41	0.30	46.9	16.8	25	3.35
0522900 E 3708250 N		0.42	0.002	0.14	0.14	1.35	0.01	7.7	<10	110	0.92	0.42	0.29	0.18	51.5	17.8	24	3.12



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CERTIFICATE OF ANALYSIS RE17246765

Sample Description	Method Analyte Units LOR	AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43														
		Cu ppm	Fe %	Ca ppm	Ce ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
0522850E 3708050 N		70.8	1.36	3.02	<0.05	0.02	0.03	0.025	0.15	11.5	9.2	0.19	386	1.43	<0.01	0.34
0522850E 3708100 N		95.4	1.73	3.88	<0.05	0.02	0.04	0.025	0.19	15.0	12.9	0.24	406	1.04	<0.01	0.54
0522850E 3708150 N		67.7	1.51	3.37	<0.05	0.02	0.03	0.025	0.14	13.8	9.3	0.17	227	1.08	<0.01	0.43
0522850E 3708200 N		96.8	2.43	6.46	0.05	0.08	0.05	0.036	0.25	18.8	14.4	0.41	391	1.14	<0.01	0.83
0522850E 3708250 N		114.0	3.34	6.97	0.14	0.06	0.05	0.054	0.44	19.5	10.8	0.49	299	1.20	<0.01	0.79
0522900 E 3707800 N		92.2	3.25	6.39	0.12	0.04	0.05	0.036	0.24	17.4	10.0	0.29	389	1.76	<0.01	0.53
0522900 E 3707850 N		125.0	2.04	4.91	0.11	0.06	0.08	0.056	0.23	18.6	13.1	0.30	711	1.71	<0.01	1.10
0522900 E 3707900 N		46.2	2.04	4.89	0.11	0.07	0.04	0.036	0.21	19.7	11.9	0.25	611	1.80	<0.01	0.56
0522900 E 3707950 N		69.2	2.06	4.97	0.10	0.05	0.05	0.037	0.20	19.2	12.3	0.25	582	2.05	<0.01	0.47
0522900 E 3708000 N		88.9	1.85	4.86	0.09	0.03	0.05	0.041	0.25	18.2	13.9	0.27	886	2.46	<0.01	0.75
0522900 E 3708050 N		49.3	1.89	4.19	0.10	0.05	0.02	0.027	0.17	17.3	11.5	0.25	652	2.48	<0.01	0.41
0522900 E 3708100 N		40.9	1.89	4.04	0.10	0.03	0.02	0.024	0.20	16.9	11.1	0.23	321	1.30	<0.01	0.55
0522900 E 3708150 N		33.9	1.90	4.08	0.11	0.03	0.04	0.022	0.19	17.9	10.5	0.24	375	1.01	<0.01	0.50
0522900 E 3708200 N		94.6	3.34	7.85	0.14	0.04	0.06	0.047	0.48	22.0	14.1	0.45	350	1.01	<0.01	0.61
0522900 E 3708250 N		61.6	3.22	7.01	0.14	0.04	0.05	0.041	0.31	21.8	10.1	0.35	285	0.98	<0.01	0.53



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CERTIFICATE OF ANALYSIS RE17246765

Method Analyte Units LOR	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Tl %
0522850E 3708050 N	8.3	190	39.7	17.1	0.001	<0.01	1.00	2.3	0.2	0.8	15.1	<0.01	0.09	2.3	0.031
0522850E 3708100 N	10.1	270	129.5	22.7	0.001	0.01	1.81	3.0	0.3	0.8	27.4	<0.01	0.05	2.7	0.034
0522850E 3708150 N	9.1	190	89.7	18.1	0.001	0.01	1.53	2.7	0.2	0.8	22.0	<0.01	0.07	3.0	0.027
0522850E 3708200 N	11.6	460	62.7	20.9	0.002	0.02	0.95	5.5	0.3	1.0	40.6	<0.01	0.06	4.4	0.038
0522850E 3708250 N	17.0	560	24.8	47.5	0.001	0.02	0.65	7.2	0.9	1.6	32.5	<0.01	0.14	5.9	0.073
0522900 E 3707800 N	12.9	340	34.3	25.6	0.001	0.02	1.76	4.1	0.5	1.2	45.2	<0.01	0.10	3.5	0.038
0522900 E 3707850 N	14.5	390	38.6	26.4	0.002	0.03	1.34	3.2	0.7	1.4	58.4	<0.01	0.36	3.2	0.037
0522900 E 3707900 N	14.5	230	23.4	28.7	0.001	0.01	0.88	3.7	0.4	1.0	28.1	<0.01	0.07	5.7	0.046
0522900 E 3707950 N	14.0	210	24.0	28.1	0.001	0.01	0.84	3.7	0.4	1.1	22.9	<0.01	0.12	5.4	0.048
0522900 E 3708000 N	17.5	420	30.2	31.3	0.001	0.02	1.32	3.2	0.5	1.3	36.5	<0.01	0.10	3.2	0.043
0522900 E 3708050 N	13.7	190	205	25.9	0.001	<0.01	4.51	3.4	0.4	0.8	22.4	<0.01	0.07	5.0	0.044
0522900 E 3708100 N	14.0	190	109.5	27.5	0.001	<0.01	1.47	3.1	0.5	0.8	21.5	<0.01	0.05	4.5	0.048
0522900 E 3708150 N	14.0	170	55.2	28.4	<0.001	<0.01	0.90	2.9	<0.2	0.8	23.1	<0.01	0.04	4.6	0.049
0522900 E 3708200 N	18.8	630	30.9	43.0	0.001	0.02	0.58	7.0	0.8	1.4	31.1	<0.01	0.11	5.1	0.056
0522900 E 3708250 N	16.2	340	17.7	35.9	0.001	0.01	0.50	7.7	0.4	1.1	24.7	<0.01	0.08	5.6	0.059



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Page: Appendix 1
 Total # Appendix Pages: 1
 Finalized Date: 30-NOV-2017
 Account: NORTHS

Project: Iron Nugget

CERTIFICATE OF ANALYSIS RE17246765

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Reno located at 4977 Energy Way, Reno, NV, USA.
 LOG- 22 SCR- 41 WEI- 21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
 AU- AROR43 AuME- TL43

Applies to Method:

Applies to Method:

Appendix E3

Black Copper Grid Soil Assay Certificate

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Page: 1
Total # Pages: 6 (A - D)
Plus Appendix Pages
Finalized Date: 15-JAN-2018
This copy reported on
25-FEB-2019
Account: NORTHS



CERTIFICATE RE17281787

Project: Iron Nugget

This report is for 188 Soil samples submitted to our lab in Reno, NV, USA on 23-DEC-2017.

The following have access to data associated with this certificate:

NICHOLAS BARR

MONIQUE DELORME

STEVE GRAY

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

ALS CODE	DESCRIPTION
AuME-TL43	25g Trace Au + Multi Element PKG

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
AuME-TL43	25g Trace Au + Multi Element PKG

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project. Statement required by Nevada State Law NRS 519

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

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

Project: Iron Nugget

CERTIFICATE OF ANALYSIS RE17281787

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	AuMe-TL43	AuMe-TL43	AuMe-TL43	AuMe-TL43	AuMe-TL43	AuMe-TL43	
3706650 N 0522250 E	0.46	0.002	0.12	1.46	8.7	10	130	0.71	0.90	0.51	0.41	33.5	9.7	18	1.02						
3706650 N 0522300 E	0.42	0.002	0.10	1.24	10.1	10	100	0.64	0.66	0.23	0.35	33.6	9.8	20	0.97						
3706650 N 0522350 E	0.52	0.002	0.09	1.37	9.1	10	110	0.62	0.64	0.24	0.36	28.6	8.2	18	0.91						
3706650 N 052400 E	0.46	0.002	0.08	1.17	6.3	10	180	0.53	0.52	0.31	0.36	26.2	7.1	13	0.63						
3706650 N 0582450 E	0.40	0.002	0.08	0.98	5.3	10	120	0.48	0.58	0.29	0.34	25.7	6.8	12	0.42						
3706700 N 0522250 E	0.38	0.002	0.12	1.74	9.8	10	120	0.83	0.51	0.30	0.28	42.4	10.4	19	1.50						
3706700 N 0522300 E	0.34	0.002	0.14	1.49	7.5	10	170	0.71	0.94	0.92	0.47	32.7	8.4	14	0.89						
3706700 N 0522350 E	0.46	0.003	0.11	1.72	8.6	10	110	0.80	0.53	0.33	0.29	39.2	9.9	15	0.92						
3706700 N 0522450 E	0.52	0.002	0.08	1.30	5.1	10	190	0.60	0.52	0.41	0.28	27.6	7.2	12	0.63						
3706700 N 0522500 E	0.28	0.004	0.07	1.43	8.5	10	140	0.62	0.56	0.34	0.30	32.3	8.0	12	0.63						
3706700 N 0522600 E	0.38	0.003	0.12	1.60	9.2	10	160	0.70	0.85	0.70	0.47	30.1	8.0	12	0.42						
3706700 N 0522650 E	0.54	0.002	0.06	1.20	5.9	10	110	0.54	0.47	0.26	0.25	23.8	7.6	12	0.57						
3706700 N 0522650 E	0.44	0.003	0.07	1.53	11.4	10	190	0.81	0.62	0.31	0.30	30.8	9.7	17	0.64						
3706750 N 0522650 E	0.46	0.003	0.07	1.54	8.2	10	190	0.76	0.53	0.39	0.28	30.2	8.9	14	0.55						
3706800 N 0522650 E	0.34	0.003	0.09	1.49	8.4	10	110	0.63	0.71	0.43	0.37	30.3	8.9	13	0.58						
3706850 N 0522650 E	0.36	0.002	0.08	1.47	7.1	10	100	0.57	0.65	0.41	0.33	27.9	7.9	12	0.52						
3706850 N 0522700 E	0.24	0.003	0.09	1.77	7.4	10	150	0.70	0.66	0.48	0.34	34.7	9.2	10	0.67						
3706900 N 0522250 E	0.52	0.002	0.35	1.51	47.9	10	160	1.17	0.48	1.89	1.64	39.3	7.8	16	1.17						
3706900 N 0522300 E	0.48	0.002	0.20	1.48	19.6	10	110	0.99	0.49	0.21	0.71	44.2	10.6	19	1.16						
3706900 N 0522350 E	0.42	0.001	0.12	1.40	19.5	10	100	0.99	0.60	4.25	0.38	38.7	6.9	15	1.69						
3706900 N 0522400 E	0.46	0.001	0.14	1.51	22.7	10	100	1.07	0.78	2.84	0.48	38.8	7.8	15	1.85						
3706900 N 0522450 E	0.28	0.004	0.13	2.10	23.7	10	170	1.46	0.64	1.22	0.54	43.1	11.7	21	1.46						
3706900 N 0522500 E	0.40	0.002	0.22	1.91	21.0	10	130	1.40	1.22	0.78	0.97	39.7	10.2	16	1.08						
3706900 N 0522550 E	0.38	0.003	0.12	1.44	9.0	10	100	0.76	0.63	0.37	0.42	38.3	10.2	14	0.86						
3706900 N 0522600 E	0.50	0.002	0.10	1.56	8.1	10	90	0.71	0.92	0.39	0.46	36.7	9.6	12	0.63						
3706900 N 0522650 E	0.30	0.004	0.08	1.74	9.4	10	100	0.78	0.57	0.33	0.33	34.1	9.1	13	0.62						
3706900 N 0522700 E	0.28	0.002	0.10	1.81	7.1	10	140	0.79	0.62	0.54	0.37	32.9	9.1	10	0.53						
3706950 N 0522250 E	0.44	0.002	0.43	1.09	82.7	10	120	1.33	0.54	9.62	2.64	30.4	6.5	12	0.75						
3706950 N 0522300 E	0.52	0.002	0.30	1.17	48.5	10	140	1.16	0.73	6.60	2.52	32.8	7.1	13	0.86						
3706950 N 0522350 E	0.42	0.002	0.23	2.17	21.9	10	130	1.62	0.65	3.38	0.90	39.3	10.8	23	2.48						
3706950 N 0522400 E	0.46	0.001	0.19	2.22	29.3	10	150	1.55	0.86	1.71	0.75	45.4	12.0	23	2.01						
3706950 N 0522450 E	0.42	0.001	0.16	2.09	28.0	10	140	1.33	0.53	1.92	0.49	41.8	11.3	19	2.26						
3706950 N 0522500 E	0.42	0.002	0.14	1.60	13.1	10	110	0.86	0.68	0.58	0.35	29.6	8.6	14	0.74						
3706950 N 0522550 E	0.48	0.003	0.12	1.63	6.9	<10	150	0.76	0.45	0.53	0.27	29.8	8.3	11	0.57						
3706950 N 0522600 E	0.38	0.002	0.09	1.49	5.5	10	120	0.61	0.41	0.45	0.25	26.5	8.2	11	0.37						
3706950 N 0522650 E	0.36	0.002	0.09	1.55	4.4	10	160	0.59	0.42	0.72	0.38	26.8	7.1	8	0.30						
3706950 N 0522700 E	0.30	0.002	0.09	1.49	5.0	10	390	0.68	0.54	3.48	0.55	26.9	7.5	8	0.37						
3707000 N 0522250 E	0.46	0.002	0.19	0.78	71.4	10	80	0.91	0.80	8.96	2.07	28.1	5.1	8	0.95						
3707000 N 0522300 E	0.44	0.002	0.34	0.93	61.8	10	120	0.95	0.54	10.20	2.14	28.1	5.7	10	1.15						
3707000 N 0522350 E	0.28	0.001	0.13	1.72	18.8	10	110	1.05	0.77	4.47	0.58	34.3	10.7	18	2.54						

Project: Iron Nugget

CERTIFICATE OF ANALYSIS REI7281787

Sample Description	Method Analyte Units LOD	AuME-TL43 Ni ppm 0.2	AuME-TL43 P ppm 1.0	AuME-TL43 Pb ppm 0.2	AuME-TL43 Rb ppm 0.1	AuME-TL43 Re ppm 0.001	AuME-TL43 S % 0.01	AuME-TL43 Sb ppm 0.05	AuME-TL43 Sc ppm 0.1	AuME-TL43 Se ppm 0.2	AuME-TL43 Sn ppm 0.2	AuME-TL43 Sr ppm 0.2	AuME-TL43 Ta ppm 0.01	AuME-TL43 Te ppm 0.01	AuME-TL43 Th ppm 0.2	AuME-TL43 Ti % 0.005
3706650 N 0522250 E		9.9	390	24.7	18.0	0.001	0.02	0.58	4.0	0.4	1.5	76.7	<0.01	0.22	2.3	0.050
3706650 N 0522300 E		9.2	290	23.2	15.5	0.001	0.02	0.58	3.9	0.3	1.3	34.1	<0.01	0.15	3.1	0.048
3706650 N 0522350 E		9.0	340	22.3	16.6	0.001	0.02	0.59	3.4	0.3	1.2	32.5	<0.01	0.13	2.5	0.047
3706650 N 0522400 E		7.5	510	16.8	15.2	0.001	0.02	0.43	2.8	0.2	1.0	44.4	<0.01	0.12	2.3	0.042
3706650 N 0522450 E		6.6	570	18.6	13.0	0.001	0.02	0.44	2.4	0.2	1.1	34.6	<0.01	0.12	2.1	0.032
3706700 N 0522250 E		10.5	280	21.2	23.1	0.001	0.02	0.52	5.1	0.2	1.1	48.5	<0.01	0.10	2.7	0.064
3706700 N 0522300 E		9.9	530	28.9	18.4	0.002	0.06	0.56	3.2	0.3	1.7	117.0	<0.01	0.18	1.5	0.044
3706700 N 0522350 E		9.0	330	19.2	18.4	0.001	0.02	0.42	4.5	0.2	1.2	51.0	<0.01	0.12	2.3	0.053
3706700 N 0522400 E		7.4	600	17.9	13.9	0.001	0.02	0.38	3.0	<0.2	1.1	56.6	<0.01	0.09	3.1	0.042
3706700 N 0522500 E		7.1	470	17.6	12.1	0.001	0.01	0.47	3.5	0.2	1.2	49.5	<0.01	0.15	2.3	0.043
3706700 N 0522550 E		7.9	680	26.1	13.6	0.001	0.04	0.56	3.4	0.6	1.8	115.0	<0.01	0.19	1.9	0.037
3706700 N 0522600 E		6.4	520	16.7	11.8	0.001	0.01	0.41	2.8	0.3	1.0	33.2	<0.01	0.11	2.2	0.043
3706700 N 0522650 E		8.6	320	20.4	13.1	<0.001	0.02	0.52	3.8	0.2	1.2	48.9	<0.01	0.17	2.3	0.040
3706750 N 0522650 E		7.9	440	19.0	12.4	0.001	0.02	0.45	3.7	0.2	1.1	73.7	<0.01	0.11	2.1	0.045
3706800 N 0522650 E		7.1	580	22.0	13.2	0.001	0.02	0.44	3.4	0.3	1.4	68.7	<0.01	0.14	2.4	0.049
3706850 N 0522650 E		6.6	660	21.6	12.1	0.002	0.02	0.44	3.1	0.3	1.4	67.7	<0.01	0.12	2.4	0.055
3706850 N 0522700 E		7.0	630	24.4	13.5	0.001	0.02	0.43	4.1	0.3	1.5	88.2	<0.01	0.13	2.8	0.059
3706900 N 052250 E		16.2	480	186.0	17.6	<0.001	0.01	3.36	3.4	0.2	0.9	20.0	<0.01	0.10	2.8	0.016
3706900 N 0522300 E		14.7	410	75.3	20.7	<0.001	0.01	1.57	3.7	0.2	1.0	16.2	<0.01	0.10	3.6	0.026
3706900 N 0522350 E		16.1	740	30.8	17.7	0.001	0.04	0.64	2.6	0.5	1.2	31.0	<0.01	0.13	1.4	0.014
3706900 N 0522400 E		17.5	860	34.8	19.5	0.001	0.04	1.01	2.8	0.5	1.3	25.8	<0.01	0.17	1.4	0.016
3706900 N 0522450 E		27.5	630	48.4	23.4	<0.001	0.02	1.64	4.8	0.2	1.2	36.0	<0.01	0.14	3.8	0.023
3706900 N 0522500 E		18.7	680	66.3	20.1	0.001	0.05	1.75	3.4	0.4	2.1	27.5	<0.01	0.28	2.2	0.020
3706900 N 0522550 E		9.2	440	27.9	15.9	0.001	0.02	0.62	3.7	0.3	1.2	40.4	<0.01	0.13	2.9	0.047
3706900 N 0522600 E		7.9	730	29.3	16.2	0.001	0.02	0.54	3.7	0.3	1.6	57.0	<0.01	0.17	2.3	0.053
3706900 N 0522650 E		7.9	490	20.0	11.6	0.001	0.02	0.44	3.7	0.3	1.2	51.3	<0.01	0.13	2.0	0.046
3706900 N 0522700 E		7.2	810	24.0	17.3	0.001	0.04	0.42	3.8	0.4	1.3	93.6	<0.01	0.10	2.0	0.056
3706950 N 0522250 E		14.5	560	24.3	13.3	0.001	0.03	4.63	2.9	0.5	0.9	40.3	<0.01	0.12	1.7	0.009
3706950 N 0522300 E		14.6	400	330	12.8	0.001	0.03	3.92	3.0	0.4	1.2	37.7	<0.01	0.18	2.5	0.011
3706950 N 0522350 E		24.8	700	76.5	24.8	<0.001	0.03	1.63	4.0	0.4	1.3	33.7	<0.01	0.15	2.4	0.018
3706950 N 0522400 E		29.5	710	69.8	26.6	0.001	0.04	1.49	5.0	0.4	2.1	26.2	<0.01	0.17	3.8	0.018
3706950 N 0522450 E		26.3	680	51.8	24.4	<0.001	0.04	1.33	3.8	0.4	1.1	31.0	<0.01	0.11	2.4	0.021
3706950 N 0522500 E		12.4	340	31.6	11.1	<0.001	0.02	0.90	2.7	0.3	1.5	30.8	<0.01	0.15	2.4	0.013
3706950 N 0522550 E		8.3	450	23.9	10.7	0.001	0.02	0.53	3.4	0.3	1.2	68.4	<0.01	0.10	2.2	0.024
3706950 N 0522600 E		7.0	620	19.7	11.6	0.001	0.03	0.38	3.2	0.2	1.0	57.4	<0.01	0.07	2.7	0.036
3706950 N 0522650 E		6.3	1060	18.3	9.6	0.004	0.07	0.36	2.9	0.2	1.1	68.3	<0.01	0.08	1.6	0.039
3706950 N 0522700 E		6.3	1590	20.7	14.2	0.001	0.06	0.36	2.7	0.4	1.3	50.2	<0.01	0.09	1.4	0.036
3707000 N 0522250 E		11.5	330	157.5	8.7	<0.001	0.02	4.19	3.0	0.4	0.8	32.4	<0.01	0.11	2.2	0.008
3707000 N 0522300 E		12.9	530	182.5	11.5	<0.001	0.03	4.17	2.2	0.5	0.9	44.8	<0.01	0.13	1.3	0.010
3707000 N 0522350 E		23.5	650	49.5	22.2	0.014	0.04	1.24	3.1	0.3	1.6	56.6	<0.01	0.17	2.1	0.020



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Total # Pages: 6 (A - D)
Plus Appendix Pages
Finalized Date: 15-JAN-2018
Account: NORTHS

Project: Iron Nugget

CERTIFICATE OF ANALYSIS RE17281787

Method Analyte Units LOD	AuME-TL43 ppm	U ppm	AuME-TL43 ppm	V ppm	AuME-TL43 ppm	W ppm	AuME-TL43 ppm	Y ppm	AuME-TL43 ppm	Zn ppm	AuME-TL43 ppm	Zr ppm
3706650 N 0522250 E	0.13	0.58	109	0.08	11.95	0.08	63	11.95	63	1.0	0.5	1.0
3706650 N 0522300 E	0.12	0.57	130	0.08	10.15	0.08	54	10.15	54	1.0	0.5	1.0
3706650 N 0522350 E	0.13	0.51	97	0.09	9.40	0.09	54	9.40	54	0.8	0.5	0.8
3706650 N 0522400 E	0.10	0.39	68	0.09	9.85	0.09	51	9.85	51	1.0	0.5	1.0
3706650 N 0522450 E	0.09	0.37	79	0.11	9.20	0.11	53	9.20	53	0.9	0.5	0.9
3706700 N 0522250 E	0.14	0.69	100	0.06	15.10	0.06	60	15.10	60	0.8	0.5	0.8
3706700 N 0522300 E	0.14	0.58	62	0.08	10.30	0.08	77	10.30	77	1.7	0.5	1.7
3706700 N 0522350 E	0.13	0.60	102	<0.05	13.25	<0.05	55	13.25	55	0.8	0.5	0.8
3706700 N 0522400 E	0.10	0.37	81	0.08	10.65	0.08	61	10.65	61	1.5	0.5	1.5
3706700 N 0522500 E	0.10	0.44	84	0.06	12.55	0.06	52	12.55	52	0.6	0.5	0.6
3706700 N 0522550 E	0.11	0.45	89	0.07	11.10	0.07	73	11.10	73	1.4	0.5	1.4
3706700 N 0522600 E	0.08	0.34	112	0.08	8.41	0.08	51	8.41	51	0.6	0.5	0.6
3706700 N 0522650 E	0.11	0.53	117	0.07	12.10	0.07	49	12.10	49	0.7	0.5	0.7
3706750 N 0522650 E	0.10	0.46	90	0.09	12.35	0.09	57	12.35	57	0.9	0.5	0.9
3706800 N 0522650 E	0.10	0.42	102	0.09	12.10	0.09	64	12.10	64	0.9	0.5	0.9
3706850 N 0522650 E	0.09	0.40	92	0.08	10.60	0.08	100	10.60	100	0.8	0.5	0.8
3706850 N 0522700 E	0.10	0.42	80	0.08	13.90	0.08	67	13.90	67	1.3	0.5	1.3
3706900 N 0522500 E	0.19	0.57	49	0.15	14.65	0.15	389	14.65	389	1.5	0.5	1.5
3706900 N 0522300 E	0.18	0.54	91	0.10	12.95	0.10	159	12.95	159	1.5	0.5	1.5
3706900 N 0522350 E	0.18	0.56	34	0.10	15.20	0.10	60	15.20	60	1.8	0.5	1.8
3706900 N 0522400 E	0.20	0.59	41	0.11	15.15	0.11	70	15.15	70	2.3	0.5	2.3
3706900 N 0522450 E	0.28	0.57	76	0.12	12.70	0.12	109	12.70	109	2.4	0.5	2.4
3706900 N 0522500 E	0.23	0.57	57	0.10	12.45	0.10	144	12.45	144	2.8	0.5	2.8
3706900 N 0522550 E	0.13	0.55	120	0.07	13.65	0.07	66	13.65	66	1.1	0.5	1.1
3706900 N 0522600 E	0.11	0.50	112	0.06	12.80	0.06	78	12.80	78	0.7	0.5	0.7
3706900 N 0522650 E	0.09	0.49	95	0.05	13.45	0.05	72	13.45	72	0.5	0.5	0.5
3706900 N 0522700 E	0.11	0.45	85	0.08	12.70	0.08	73	12.70	73	0.8	0.5	0.8
3706950 N 0522500 E	0.21	0.66	33	0.14	12.55	0.14	680	12.55	680	1.7	0.5	1.7
3706950 N 0522300 E	0.18	0.55	32	0.14	12.10	0.14	692	12.10	692	2.9	0.5	2.9
3706950 N 0522350 E	0.23	0.53	47	0.10	13.15	0.10	218	13.15	218	3.9	0.5	3.9
3706950 N 0522400 E	0.30	0.62	50	0.12	13.50	0.12	135	13.50	135	4.4	0.5	4.4
3706950 N 0522450 E	0.28	0.62	44	0.11	13.00	0.11	119	13.00	119	3.2	0.5	3.2
3706950 N 0522500 E	0.13	0.40	87	0.09	10.70	0.09	73	10.70	73	2.3	0.5	2.3
3706950 N 0522550 E	0.11	0.39	86	0.07	11.75	0.07	59	11.75	59	1.4	0.5	1.4
3706950 N 0522600 E	0.10	0.37	103	0.07	10.30	0.07	58	10.30	58	1.1	0.5	1.1
3706950 N 0522650 E	0.08	0.36	69	0.10	11.10	0.10	80	11.10	80	1.0	0.5	1.0
3706950 N 0522700 E	0.15	0.27	63	0.10	11.30	0.10	72	11.30	72	0.8	0.5	0.8
3707000 N 0522250 E	0.16	0.54	23	0.14	12.25	0.14	448	12.25	448	1.4	0.5	1.4
3707000 N 0522300 E	0.17	0.58	25	0.14	12.00	0.14	530	12.00	530	1.6	0.5	1.6
3707000 N 0522350 E	0.22	0.57	33	0.12	10.70	0.12	94	10.70	94	3.0	0.5	3.0



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Method Analyte Units LOD	AuME-TL43 Ni ppm	AuME-TL43 P ppm	AuME-TL43 Pb ppm	AuME-TL43 Rb ppm	AuME-TL43 Re ppm	AuME-TL43 S %	AuME-TL43 Sb ppm	AuME-TL43 Sc ppm	AuME-TL43 Se ppm	AuME-TL43 Sn ppm	AuME-TL43 Sr ppm	AuME-TL43 Ta ppm	AuME-TL43 Te ppm	AuME-TL43 Th ppm	AuME-TL43 Ti %
3707000 N 0522400 E	28.0	360	103.0	21.6	<0.001	0.01	2.25	4.9	0.2	0.9	49.6	<0.01	0.07	5.4	0.018
3707000 N 0522450 E	23.3	570	94.5	19.8	0.001	0.02	1.98	4.1	0.3	1.8	22.0	<0.01	0.22	3.4	0.022
3707000 N 0522500 E	12.8	410	40.3	13.5	0.001	0.03	1.10	3.0	0.3	2.0	18.6	<0.01	0.24	3.3	0.020
3707000 N 0522550 E	7.5	630	22.4	11.2	0.002	0.02	0.44	3.2	0.3	1.5	71.3	<0.01	0.14	2.8	0.044
3707000 N 0522600 E	7.3	510	17.9	8.3	0.001	0.02	0.40	3.2	0.2	1.2	82.1	<0.01	0.10	2.4	0.036
3707000 N 0522650 E	6.3	590	17.8	8.0	0.001	0.03	0.39	2.8	0.3	1.2	64.7	<0.01	0.12	2.2	0.034
3707000 N 0522700 E	7.2	680	19.3	10.9	0.002	0.02	0.38	3.1	0.2	1.1	74.4	<0.01	0.09	2.7	0.038
3707050 N 0522250 E	26.1	370	90.7	18.9	0.001	0.02	3.34	4.3	0.4	1.5	17.3	<0.01	0.21	3.9	0.016
3707050 N 0522300 E	15.1	570	49.5	15.5	0.001	0.03	1.69	2.1	0.5	1.7	40.4	<0.01	0.23	1.3	0.014
3707050 N 0522350 E	13.4	600	24.2	8.1	<0.001	0.03	0.66	1.5	0.4	0.6	92.2	<0.01	0.07	0.8	0.008
3707050 N 0522400 E	21.9	700	113.0	18.5	0.001	0.03	3.14	3.2	0.2	1.4	51.3	<0.01	0.23	2.3	0.018
3707050 N 0522450 E	14.3	430	100.0	12.8	0.001	0.03	1.94	2.9	0.5	1.1	20.9	<0.01	0.11	2.1	0.015
3707050 N 0522500 E	9.5	410	26.6	10.4	0.001	0.02	0.72	2.6	0.3	1.3	17.3	<0.01	0.16	3.3	0.029
3707050 N 0522550 E	7.3	560	23.5	10.0	0.001	0.02	0.45	3.0	0.2	1.6	65.3	<0.01	0.15	2.8	0.036
3707050 N 0522600 E	6.8	530	16.0	8.4	0.001	0.02	0.40	2.9	0.3	1.0	77.8	<0.01	0.11	2.2	0.030
3707050 N 0522650 E	7.4	590	18.1	10.2	0.001	0.02	0.38	3.2	0.2	1.2	81.3	<0.01	0.11	2.7	0.038
3707050 N 0522700 E	7.3	710	17.5	11.0	0.002	0.02	0.33	3.6	0.2	1.1	75.7	<0.01	0.07	2.9	0.048
3707100 N 0522250 E	22.2	710	151.0	20.3	0.001	0.05	4.55	3.3	0.6	2.2	39.5	<0.01	0.23	2.1	0.014
3707100 N 0522300 E	17.0	650	51.4	10.6	0.001	0.05	2.76	1.7	0.6	1.0	97.7	<0.01	0.12	1.1	0.010
3707100 N 0522350 E	29.1	640	49.6	22.1	<0.001	0.03	1.00	3.7	0.4	1.2	33.5	<0.01	0.13	3.0	0.017
3707100 N 0522400 E	15.5	240	60.4	17.3	<0.001	0.01	1.63	3.5	0.3	1.2	13.5	<0.01	0.24	3.2	0.024
3707100 N 0522450 E	11.4	270	21.3	21.8	0.001	0.01	0.65	3.3	0.2	1.0	29.0	<0.01	0.09	4.5	0.043
3707100 N 0522500 E	9.1	430	20.1	12.9	0.001	0.02	0.41	3.8	0.4	1.4	52.6	<0.01	0.11	3.3	0.033
3707100 N 0522550 E	6.8	550	16.1	8.4	0.001	0.01	0.34	2.6	<0.2	1.0	39.2	<0.01	0.09	2.7	0.036
3707100 N 0522600 E	5.6	720	16.3	6.1	0.001	0.03	0.35	2.6	0.2	1.0	54.5	<0.01	0.10	2.2	0.041
3707100 N 0522650 E	7.3	580	15.9	9.0	0.001	0.02	0.33	3.1	0.3	1.0	62.3	<0.01	0.09	3.0	0.041
3707100 N 0522700 E	7.0	700	17.3	11.1	0.002	0.02	0.28	3.3	0.2	1.0	61.5	<0.01	0.07	3.0	0.040
3707150 N 0522250 E	16.9	260	81.9	18.0	0.001	0.01	3.03	3.2	0.4	1.9	14.5	<0.01	0.25	5.0	0.030
3707150 N 0522300 E	16.3	840	116.0	11.1	<0.001	0.02	2.09	1.7	0.4	0.6	48.5	<0.01	0.06	1.5	0.006
3707150 N 0522350 E	27.6	460	171.0	17.7	<0.001	0.02	2.64	2.8	0.4	1.1	19.3	<0.01	0.15	3.1	0.013
3707150 N 0522400 E	8.7	340	29.3	12.9	0.001	0.02	0.92	2.4	0.4	1.3	26.6	<0.01	0.15	2.4	0.016
3707150 N 0522450 E	8.3	320	26.5	20.1	<0.001	<0.01	0.85	2.0	0.4	1.4	21.2	<0.01	0.17	2.4	0.028
3707150 N 0522500 E	7.2	440	18.1	13.6	<0.001	0.01	0.41	3.1	0.3	1.1	45.3	<0.01	0.10	2.4	0.033
3707150 N 0522550 E	6.8	520	18.4	12.9	<0.001	0.01	0.43	3.1	0.4	1.1	51.1	<0.01	0.11	2.2	0.031
3707150 N 0522600 E	7.0	480	22.7	13.4	<0.001	0.01	0.49	3.1	0.3	1.4	51.3	<0.01	0.15	2.1	0.039
3707150 N 0522650 E	6.5	610	17.3	10.9	<0.001	0.01	0.39	3.0	0.3	1.0	63.1	<0.01	0.10	2.6	0.036
3707150 N 0522700 E	11.1	780	17.0	13.9	<0.001	0.01	0.32	3.0	<0.2	0.9	60.5	<0.01	0.07	2.6	0.036
3707200 N 0522250 E	6.4	300	120.0	22.2	<0.001	0.01	1.91	2.9	0.3	1.2	32.5	<0.01	0.15	3.9	0.044
3707200 N 0522300 E	11.1	280	39.6	22.1	0.001	<0.01	1.00	3.0	0.3	1.2	20.2	<0.01	0.11	3.7	0.041
3707200 N 0522350 E	11.7	180	29.2	18.2	<0.001	<0.01	1.20	3.2	0.3	0.9	14.3	<0.01	0.12	4.7	0.035



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Sample Description	Method Analyte Units LOD	AuME-TL43																		
		Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	0.05	0.05	0.5									
3707000 N 0522400 E	0.41	0.63	47	0.15	16.95	222	3.5													
3707000 N 0522450 E	0.28	0.59	67	0.10	12.80	217	3.5													
3707000 N 0522500 E	0.14	0.50	106	0.10	9.46	104	2.2													
3707000 N 0522550 E	0.10	0.38	97	0.08	11.30	61	1.2													
3707000 N 0522600 E	0.08	0.39	113	0.07	11.85	49	0.9													
3707000 N 0522650 E	0.08	0.35	101	0.08	10.45	63	0.8													
3707000 N 0522700 E	0.09	0.38	121	0.08	12.15	55	1.1													
3707050 N 0522250 E	0.24	0.60	51	0.24	15.35	286	3.6													
3707050 N 0522300 E	0.17	0.44	31	0.12	9.57	139	2.1													
3707050 N 0522350 E	0.10	0.52	15	0.08	6.16	39	1.5													
3707050 N 0522400 E	0.23	0.57	34	0.13	10.75	188	3.0													
3707050 N 0522450 E	0.19	0.47	64	0.08	13.05	212	2.6													
3707050 N 0522500 E	0.10	0.40	142	0.09	9.38	63	1.5													
3707050 N 0522550 E	0.09	0.40	111	0.07	10.40	59	1.0													
3707050 N 0522600 E	0.08	0.36	105	0.07	10.90	48	0.8													
3707050 N 0522650 E	0.09	0.40	139	0.08	11.60	68	0.9													
3707050 N 0522700 E	0.09	0.40	123	0.06	12.10	58	1.0													
3707100 N 0522250 E	0.28	0.53	37	0.15	14.40	616	3.5													
3707100 N 0522300 E	0.14	0.43	19	0.11	7.28	177	2.2													
3707100 N 0522350 E	0.21	0.59	37	0.13	12.95	163	3.5													
3707100 N 0522400 E	0.21	0.66	37	0.11	12.45	106	1.1													
3707100 N 0522450 E	0.19	0.89	40	0.09	10.40	51	1.4													
3707100 N 0522500 E	0.11	0.48	148	0.05	12.15	55	1.4													
3707100 N 0522550 E	0.07	0.36	156	0.07	9.18	49	0.8													
3707100 N 0522600 E	0.06	0.31	88	0.08	9.63	55	0.7													
3707100 N 0522650 E	0.08	0.38	154	0.06	11.20	60	1.0													
3707100 N 0522700 E	0.08	0.36	134	0.05	10.85	56	1.2													
3707150 N 0522250 E	0.22	0.70	42	0.17	11.10	162	2.5													
3707150 N 0522300 E	0.21	0.46	26	0.12	8.59	252	1.8													
3707150 N 0522350 E	0.24	0.61	44	0.15	12.95	149	2.7													
3707150 N 0522400 E	0.14	0.60	30	0.17	8.11	62	1.7													
3707150 N 0522450 E	0.17	0.73	32	0.14	7.99	59	<0.5													
3707150 N 0522500 E	0.09	0.44	125	0.06	11.00	50	0.7													
3707150 N 0522550 E	0.09	0.45	99	0.06	11.40	52	0.7													
3707150 N 0522600 E	0.09	0.46	100	0.06	11.40	59	<0.5													
3707150 N 0522650 E	0.07	0.37	118	0.07	11.75	59	0.7													
3707150 N 0522700 E	0.08	0.33	114	0.07	10.65	56	0.8													
3707200 N 0522250 E	0.18	0.81	44	0.13	9.09	138	1.1													
3707200 N 0522300 E	0.20	0.82	38	0.15	9.78	92	1.0													
3707200 N 0522350 E	0.18	0.62	35	0.11	10.25	69	1.9													



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Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
3707200 N 0522400 E	0.60	0.001	0.07	0.07	0.68	7.4	10	60	0.42	0.60	0.18	0.29	31.8	4.6	11	0.85
3707200 N 0522450 E	0.50	0.001	0.07	0.07	0.99	9.3	10	80	0.60	0.50	0.22	0.26	32.6	8.8	13	0.86
3707200 N 0522500 E	0.48	0.001	0.06	0.06	0.86	7.7	10	70	0.55	0.50	0.17	0.32	31.3	8.7	14	0.86
3707200 N 0522550 E	0.50	0.002	0.06	0.06	1.22	4.4	10	100	0.57	0.41	0.32	0.26	30.9	8.8	12	0.85
3707200 N 0522600 E	0.48	0.002	0.06	0.06	1.09	5.0	10	70	0.49	0.53	0.30	0.27	25.4	6.6	9	0.48
3707200 N 0522650 E A	0.34	0.002	0.07	0.07	1.31	5.1	10	110	0.58	0.41	0.42	0.26	29.2	8.6	10	0.54
3707200 N 0522700 E	0.30	0.002	0.09	0.09	1.47	6.3	10	130	0.63	0.43	0.44	0.22	32.1	9.2	10	0.58
3707250 N 0522250 E	0.54	0.002	0.07	0.07	1.11	15.7	10	110	0.96	0.56	0.25	0.42	49.2	8.7	19	1.33
3707250 N 0522300 E	0.38	0.002	0.07	0.07	0.96	17.0	10	100	0.65	0.93	0.22	0.43	41.9	7.0	17	1.41
3707250 N 0522350 E	0.48	0.002	0.09	0.09	0.92	19.8	10	90	0.57	1.16	0.19	0.52	42.5	6.5	16	1.32
3707250 N 0522400 E	0.42	0.001	0.07	0.07	1.09	10.2	10	100	0.70	0.47	0.29	0.23	31.7	8.2	14	0.77
3707250 N 0522450 E	0.34	0.003	0.09	0.09	1.56	6.9	10	110	0.46	0.46	0.39	0.27	33.1	8.7	12	0.61
3707250 N 0522500 E	0.42	0.003	0.08	0.08	1.28	6.7	10	100	0.66	0.37	0.31	0.20	34.8	10.6	15	0.91
3707250 N 0522550 E	0.36	0.002	0.07	0.07	1.28	4.1	10	90	0.53	0.32	0.36	0.17	28.7	9.4	12	0.57
3707250 N 0522600 E	0.38	0.002	0.07	0.07	1.32	4.4	10	90	0.58	0.45	0.38	0.26	30.0	7.8	10	0.56
3707250 N 0522650 E	0.36	0.002	0.09	0.09	1.29	4.3	10	110	0.51	0.46	0.45	0.33	27.1	8.2	11	0.40
3707250 N 0522700 E	0.30	0.002	0.11	0.11	1.70	6.5	10	130	0.76	0.53	0.41	0.29	30.1	9.1	11	0.57
3707300 N 0522250 E	0.38	0.001	0.08	0.08	1.03	12.5	10	90	0.76	0.79	0.29	0.52	37.6	7.5	17	1.33
3707300 N 0522300 E	0.42	0.001	0.08	0.08	1.50	28.2	10	120	1.01	0.55	0.33	0.38	50.7	6.9	22	1.48
3707300 N 0522350 E	0.40	0.001	0.10	0.10	1.32	27.3	10	80	0.62	1.23	0.22	0.64	42.5	6.3	16	1.12
3707300 N 0522400 E	0.34	0.001	0.06	0.06	1.15	8.9	10	90	0.77	0.39	0.26	0.23	34.8	8.8	13	0.78
3707300 N 0522450 E	0.34	0.003	0.07	0.07	1.83	6.8	10	130	0.87	0.34	0.41	0.17	32.5	9.3	13	0.74
3707300 N 0522500 E	0.32	0.003	0.07	0.07	2.12	5.4	10	140	0.96	0.29	0.48	0.15	36.0	9.1	12	0.88
3707300 N 0522550 E	0.40	0.002	0.09	0.09	1.79	6.4	10	110	0.83	0.39	0.44	0.21	34.0	9.8	12	0.69
3707300 N 0522600 E	0.30	0.003	0.08	0.08	1.32	6.4	10	130	0.58	0.38	0.42	0.17	25.5	8.5	11	0.43
3707300 N 0522650 E	0.38	0.003	0.11	0.11	1.29	7.1	10	130	0.56	0.52	0.38	0.28	27.6	9.1	11	0.48
3707300 N 0522700 E	0.34	0.002	0.10	0.10	1.14	7.0	10	120	0.50	0.57	0.39	0.25	26.3	9.7	13	0.44
3707350 N 0522250 E	0.40	0.001	0.06	0.06	1.03	12.7	10	100	0.51	0.46	0.21	0.45	41.3	6.5	19	1.39
3707350 N 0522300 E	0.42	0.001	0.08	0.08	1.20	17.3	10	150	0.63	0.47	0.29	0.37	42.0	7.7	21	1.45
3707350 N 0522350 E	0.38	0.001	0.07	0.07	1.00	20.6	10	90	0.52	0.69	0.21	0.51	40.0	7.6	19	1.41
3707350 N 0522400 E	0.42	0.001	0.07	0.07	1.23	11.5	10	100	0.55	0.68	0.33	0.44	30.3	9.2	14	0.61
3707350 N 0522450 E	0.28	0.002	0.10	0.10	1.41	8.7	10	100	0.58	0.65	0.34	0.39	30.9	9.2	11	0.56
3707350 N 0522500 E	0.34	0.002	0.14	0.14	1.46	9.1	10	110	0.70	0.53	0.29	0.27	34.5	11.0	15	0.73
3707350 N 0522550 E	0.30	0.002	0.11	0.11	1.51	6.1	10	100	0.55	0.46	0.34	0.27	29.3	10.0	14	0.64
3707350 N 0522600 E	0.34	0.004	0.14	0.14	1.94	7.4	10	140	0.77	0.49	0.45	0.22	31.5	10.1	13	0.62
3707350 N 0522650 E	0.32	0.004	0.11	0.11	1.86	7.7	10	160	0.74	0.45	0.47	0.22	29.9	9.2	12	0.64
3707350 N 0522700 E	0.32	0.003	0.15	0.15	1.52	9.8	10	130	0.69	0.56	0.43	0.34	32.4	10.5	12	0.52
3707350 N 0522750 E	0.32	0.004	0.22	0.22	1.57	10.9	10	120	0.74	0.58	0.39	0.32	33.8	9.9	12	0.57
3707350 N 0522800 E	0.36	0.002	0.11	0.11	1.20	15.9	10	100	0.84	0.60	0.27	0.44	47.7	12.8	15	1.14
3707400 N 0522250 E	0.38	0.001	0.06	0.06	0.91	15.8	10	110	0.61	0.59	0.21	0.43	47.5	7.3	18	1.67



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Project: Iron Nugget

CERTIFICATE OF ANALYSIS RE17281787

Method Analyte Units LOD	AuME-TL43	Fe %	Ga ppm	Ce ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	
3707200 N 0522400 E	84.2	1.71	2.63	<0.05	0.02	0.03	0.028	0.16	14.1	5.8	0.14	257	1.76	<0.01	<0.01	0.37				
3707200 N 0522450 E	84.4	5.00	6.00	<0.05	0.03	0.04	0.032	0.16	15.2	8.6	0.21	353	1.53	<0.01	<0.01	0.43				
3707200 N 0522500 E	80.9	4.19	5.05	<0.05	0.02	0.03	0.030	0.29	13.7	7.8	0.20	400	1.56	<0.01	<0.01	0.57				
3707200 N 0522550 E	77.3	5.22	6.54	0.05	0.03	0.03	0.027	0.20	15.1	9.0	0.26	421	1.05	<0.01	<0.01	0.41				
3707200 N 0522600 E	81.6	3.62	5.28	<0.05	0.02	0.03	0.036	0.16	12.9	8.3	0.26	295	1.36	<0.01	<0.01	0.45				
3707200 N 0522650 E A	91.4	5.62	7.06	<0.05	0.03	0.03	0.030	0.14	14.8	9.7	0.26	381	1.09	<0.01	<0.01	0.50				
3707200 N 0522700 E	78.2	5.10	7.10	0.05	0.03	0.04	0.031	0.17	16.3	11.1	0.29	414	1.17	<0.01	<0.01	0.66				
3707250 N 0522250 E	83.3	2.01	4.13	0.05	0.04	0.05	0.035	0.21	22.0	11.4	0.21	345	1.82	<0.01	<0.01	0.59				
3707250 N 0522300 E	102.0	1.68	3.49	<0.05	0.02	0.04	0.037	0.19	18.7	10.4	0.19	330	1.94	<0.01	<0.01	0.64				
3707250 N 0522350 E	132.5	1.64	3.38	<0.05	0.02	0.05	0.049	0.18	18.8	9.8	0.19	312	2.50	<0.01	<0.01	0.78				
3707250 N 0522400 E	72.5	4.39	5.68	<0.05	0.03	0.04	0.030	0.19	15.4	10.0	0.24	322	1.11	<0.01	<0.01	0.54				
3707250 N 0522450 E	85.0	4.65	7.03	0.05	0.04	0.03	0.036	0.31	16.7	14.2	0.33	360	1.32	<0.01	<0.01	0.73				
3707250 N 0522500 E	66.5	6.81	7.97	0.05	0.02	0.03	0.028	0.22	16.3	11.0	0.27	415	1.15	<0.01	<0.01	0.48				
3707250 N 0522550 E	65.2	7.75	8.26	0.05	0.03	0.02	0.026	0.21	14.5	9.8	0.27	359	0.81	<0.01	<0.01	0.34				
3707250 N 0522600 E	79.2	4.80	6.51	<0.05	0.03	0.03	0.032	0.18	15.2	10.7	0.29	382	1.15	<0.01	<0.01	0.43				
3707250 N 0522650 E	76.0	4.71	6.20	<0.05	0.03	0.03	0.033	0.28	13.4	11.0	0.28	421	1.30	<0.01	<0.01	0.75				
3707250 N 0522700 E	88.9	4.58	7.14	<0.05	0.04	0.04	0.038	0.21	15.4	12.9	0.32	383	1.29	<0.01	<0.01	0.60				
3707300 N 0522250 E	102.0	1.70	3.66	<0.05	0.02	0.05	0.043	0.23	17.5	11.0	0.21	297	2.18	<0.01	<0.01	0.83				
3707300 N 0522300 E	79.3	2.31	5.28	0.05	0.02	0.07	0.038	0.19	23.1	13.9	0.21	397	2.22	<0.01	<0.01	0.57				
3707300 N 0522350 E	136.5	1.75	3.37	<0.05	0.04	0.05	0.051	0.19	18.4	9.1	0.19	350	3.03	<0.01	<0.01	0.66				
3707300 N 0522400 E	61.0	4.09	5.66	0.05	0.03	0.04	0.027	0.18	16.6	10.8	0.23	388	1.07	<0.01	<0.01	0.47				
3707300 N 0522450 E	61.2	6.11	8.96	0.05	0.03	0.03	0.030	0.23	16.4	14.7	0.35	366	0.86	<0.01	<0.01	0.43				
3707300 N 0522500 E	54.6	4.91	8.95	0.05	0.05	0.03	0.031	0.18	18.5	16.3	0.42	378	0.78	0.01	0.01	0.40				
3707300 N 0522550 E	75.1	5.82	8.86	0.05	0.04	0.04	0.032	0.23	17.5	14.5	0.35	388	0.99	<0.01	<0.01	0.45				
3707300 N 0522600 E	66.8	5.27	6.29	<0.05	0.04	0.04	0.027	0.13	13.6	7.2	0.26	349	0.82	<0.01	<0.01	0.50				
3707300 N 0522650 E	85.0	4.82	5.95	<0.05	0.03	0.04	0.035	0.20	13.9	7.3	0.30	406	1.05	<0.01	<0.01	0.60				
3707300 N 0522700 E	81.8	6.20	6.46	<0.05	0.03	0.03	0.033	0.17	12.7	6.3	0.26	386	1.13	<0.01	<0.01	0.57				
3707350 N 0522250 E	62.4	1.82	3.64	<0.05	0.02	0.04	0.040	0.18	17.0	8.7	0.22	338	1.37	<0.01	<0.01	0.78				
3707350 N 0522500 E	59.8	2.03	4.16	<0.05	0.04	0.05	0.031	0.20	18.3	9.9	0.23	359	1.47	<0.01	<0.01	0.82				
3707350 N 0522550 E	82.9	6.23	7.40	<0.05	0.04	0.03	0.034	0.21	13.9	8.2	0.30	421	1.13	<0.01	<0.01	0.51				
3707350 N 0522600 E	77.3	5.96	8.58	<0.05	0.07	0.04	0.039	0.20	16.0	10.2	0.36	395	0.91	<0.01	<0.01	0.58				
3707350 N 0522650 E	82.8	4.67	6.00	<0.05	0.03	0.04	0.040	0.23	13.8	8.2	0.27	475	1.47	<0.01	<0.01	0.73				
3707350 N 0522700 E	92.1	4.32	6.12	<0.05	0.03	0.03	0.040	0.24	14.3	9.0	0.30	489	1.32	<0.01	<0.01	0.91				
3707350 N 0522750 E	83.9	6.08	7.16	0.05	0.02	0.04	0.035	0.21	16.1	8.2	0.28	477	1.32	<0.01	<0.01	0.52				
3707350 N 0522800 E	82.9	6.23	7.40	<0.05	0.04	0.03	0.034	0.21	13.9	8.2	0.30	421	1.13	<0.01	<0.01	0.51				
3707350 N 0522850 E	77.3	5.96	8.58	<0.05	0.07	0.04	0.039	0.20	16.0	10.2	0.36	395	0.91	<0.01	<0.01	0.58				
3707350 N 0522900 E	78.4	4.81	7.33	0.05	0.05	0.05	0.037	0.16	16.2	10.3	0.34	412	0.92	0.01	0.01	0.52				
3707350 N 0522950 E	86.6	4.90	6.81	<0.05	0.04	0.05	0.035	0.22	15.9	9.2	0.30	489	1.22	<0.01	<0.01	0.66				
3707350 N 0523000 E	92.3	4.42	6.41	<0.05	0.05	0.05	0.038	0.22	16.2	9.0	0.30	431	1.43	<0.01	<0.01	0.74				
3707350 N 0523050 E	99.1	3.37	4.78	0.05	0.03	0.05	0.036	0.28	19.5	8.2	0.29	514	1.71	<0.01	<0.01	0.59				
3707400 N 0522250 E	56.4	1.97	3.31	0.05	0.03	0.04	0.030	0.20	21.0	8.6	0.23	352	1.31	<0.01	<0.01	0.64				

Project: Iron Nugget

CERTIFICATE OF ANALYSIS RE17281787

Method Analyte Units LOD	AuME-TL43 Ni ppm	AuME-TL43 P ppm	AuME-TL43 Pb ppm	AuME-TL43 Rb ppm	AuME-TL43 Re ppm	AuME-TL43 S %	AuME-TL43 Sb ppm	AuME-TL43 Sc ppm	AuME-TL43 Se ppm	AuME-TL43 Sn ppm	AuME-TL43 Sr ppm	AuME-TL43 Ta ppm	AuME-TL43 Te ppm	AuME-TL43 Th ppm	AuME-TL43 TI %
3707200 N 0522400 E	5.5	230	21.2	12.2	<0.001	<0.01	0.74	1.4	0.2	1.0	23.0	<0.01	0.12	3.2	0.021
3707200 N 0522450 E	7.3	260	23.2	13.7	<0.001	<0.01	0.63	2.8	0.4	1.1	30.3	<0.01	0.12	2.7	0.030
3707200 N 0522500 E	7.4	320	29.5	15.3	0.011	0.01	0.55	2.6	0.2	1.1	23.2	<0.01	0.10	3.1	0.034
3707200 N 0522550 E	6.7	520	17.3	15.2	0.001	0.01	0.35	2.9	0.3	0.9	49.6	<0.01	0.09	2.7	0.037
3707200 N 0522600 E	5.5	690	19.4	10.3	<0.001	0.01	0.41	2.5	0.2	1.1	38.7	<0.01	0.11	2.5	0.038
3707200 N 0522650 E A	6.1	690	16.7	9.8	<0.001	0.01	0.38	3.0	0.2	1.0	59.7	<0.01	0.09	2.6	0.028
3707200 N 0522700 E	6.3	590	18.1	11.6	0.002	0.02	0.41	3.4	0.3	1.0	68.4	<0.01	0.09	2.4	0.029
3707250 N 0522500 E	11.8	250	62.2	19.4	<0.001	<0.01	1.34	3.8	0.3	1.1	22.6	<0.01	0.11	4.9	0.028
3707250 N 0522300 E	9.5	300	77.9	18.0	<0.001	<0.01	1.29	2.8	0.3	1.5	23.1	<0.01	0.20	3.2	0.033
3707250 N 0522350 E	9.0	300	44.4	18.1	<0.001	0.01	1.31	2.6	0.5	1.6	22.3	<0.01	0.29	3.2	0.032
3707250 N 0522400 E	7.8	320	26.0	13.6	0.001	<0.01	0.73	2.9	0.3	1.0	39.8	<0.01	0.11	3.2	0.035
3707250 N 0522450 E	7.7	560	30.3	18.2	0.002	0.02	0.46	3.6	0.3	1.1	55.9	<0.01	0.09	3.1	0.037
3707250 N 0522500 E	8.1	390	19.3	17.7	<0.001	0.01	0.42	3.4	0.2	1.0	45.0	<0.01	0.08	2.9	0.041
3707250 N 0522550 E	6.5	640	14.5	12.8	0.001	0.01	0.32	2.9	0.2	0.8	50.2	<0.01	0.06	3.0	0.031
3707250 N 0522600 E	5.8	760	17.9	11.0	<0.001	0.01	0.42	3.0	0.2	1.0	46.4	<0.01	0.08	2.8	0.038
3707250 N 0522650 E	6.2	840	18.3	12.1	0.001	0.01	0.37	2.8	0.2	1.0	45.8	<0.01	0.08	2.2	0.036
3707250 N 0522700 E	6.9	620	22.2	14.3	0.001	0.02	0.44	3.6	0.3	1.2	64.7	<0.01	0.10	2.9	0.030
3707300 N 0522500 E	9.7	370	52.4	20.4	0.001	0.02	1.16	2.7	0.4	1.5	27.7	<0.01	0.15	2.5	0.030
3707300 N 0522300 E	11.8	330	405	21.5	<0.001	0.01	2.10	3.4	0.5	1.2	31.1	<0.01	0.13	2.1	0.023
3707300 N 0522350 E	8.4	290	178.5	16.0	<0.001	<0.01	2.21	2.9	0.5	1.9	24.3	<0.01	0.25	4.6	0.032
3707300 N 0522400 E	7.8	280	37.2	14.8	<0.001	<0.01	0.73	3.4	0.3	0.9	36.9	<0.01	0.08	2.9	0.036
3707300 N 0522450 E	8.0	400	25.0	14.7	0.001	0.01	0.39	4.0	0.2	1.0	62.5	<0.01	0.07	3.5	0.032
3707300 N 0522500 E	8.3	410	19.3	13.8	<0.001	0.01	0.32	4.7	0.2	1.0	66.2	<0.01	0.05	3.6	0.031
3707300 N 0522550 E	7.7	530	17.7	14.9	0.001	0.01	0.39	4.1	0.3	1.1	68.5	<0.01	0.07	3.0	0.031
3707300 N 0522600 E	7.0	460	16.0	8.4	<0.001	0.02	0.42	3.0	0.2	0.9	66.7	<0.01	0.07	2.6	0.021
3707300 N 0522650 E	6.9	490	20.7	12.0	0.001	0.02	0.54	3.0	0.2	1.0	58.8	<0.01	0.10	2.7	0.032
3707300 N 0522700 E	7.0	470	20.3	11.8	<0.001	0.02	0.55	2.7	0.2	1.0	51.0	<0.01	0.13	2.9	0.031
3707350 N 0522500 E	10.2	380	35.2	18.5	<0.001	0.02	1.20	2.2	0.4	0.9	22.2	<0.01	0.15	2.8	0.047
3707350 N 0522300 E	10.7	370	49.7	20.5	<0.001	0.01	1.42	3.1	0.4	0.9	29.2	<0.01	0.13	3.9	0.041
3707350 N 0522350 E	10.3	300	157.5	20.8	<0.001	0.01	2.99	2.7	0.2	1.2	21.0	<0.01	0.17	3.8	0.044
3707350 N 0522400 E	7.6	430	109.0	14.8	0.001	0.02	1.10	3.1	0.2	1.2	50.1	<0.01	0.12	2.9	0.043
3707350 N 0522450 E	7.3	490	41.3	17.1	0.001	0.03	0.59	3.3	0.3	1.3	57.3	<0.01	0.13	2.4	0.041
3707350 N 0522500 E	9.0	320	22.7	15.9	<0.001	0.02	0.64	3.5	0.2	1.1	43.3	<0.01	0.15	2.8	0.029
3707350 N 0522550 E	7.9	360	19.5	16.0	0.001	0.02	0.44	3.5	0.2	1.0	50.2	<0.01	0.09	3.4	0.033
3707350 N 0522600 E	8.3	370	22.1	12.9	0.001	0.02	0.49	4.0	0.3	1.1	71.2	<0.01	0.09	3.5	0.030
3707350 N 0522650 E	8.0	440	20.5	11.2	<0.001	0.02	0.53	3.7	0.3	1.0	65.8	<0.01	0.09	3.0	0.030
3707350 N 0522700 E	8.5	440	24.5	14.0	0.001	0.03	0.75	3.5	0.3	1.1	57.8	<0.01	0.12	2.4	0.027
3707350 N 0522750 E	8.7	430	29.5	16.1	0.001	0.03	0.90	3.6	0.3	1.1	46.5	<0.01	0.12	2.6	0.026
3707350 N 0522800 E	11.4	260	37.7	20.7	0.001	0.02	1.22	3.4	0.3	1.1	40.4	<0.01	0.11	3.0	0.039
3707400 N 0522250 E	11.0	320	54.5	20.2	<0.001	0.01	1.76	2.4	0.3	0.9	25.1	<0.01	0.15	4.6	0.059





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Sample Description	Method Analyte Units LOD	AuME-TL43 ppm	U ppm	AuME-TL43 ppm	V ppm	AuME-TL43 ppm	W ppm	AuME-TL43 ppm	Y ppm	AuME-TL43 ppm	Zn ppm	AuME-TL43 ppm	Zr ppm
3707200 N 0522400 E		0.10	0.44	33	0.11	5.78	49	0.7					
3707200 N 0522450 E		0.11	0.45	113	0.09	9.55	50	0.7					
3707200 N 0522500 E		0.11	0.45	96	0.11	8.40	50	0.7					
3707200 N 0522550 E		0.09	0.40	119	0.06	10.25	50	0.7					
3707200 N 0522600 E		0.07	0.33	83	0.08	8.83	54	0.7					
3707200 N 0522650 E		0.07	0.35	130	0.07	10.90	60	0.7					
3707200 N 0522700 E		0.08	0.39	122	0.06	11.75	49	0.8					
3707250 N 0522250 E		0.19	0.97	42	0.13	10.45	100	1.4					
3707250 N 0522300 E		0.15	0.74	35	0.14	7.77	107	1.0					
3707250 N 0522350 E		0.15	0.65	34	0.17	6.91	77	1.1					
3707250 N 0522400 E		0.10	0.45	98	0.12	9.84	55	0.9					
3707250 N 0522450 E		0.12	0.42	100	0.07	11.40	61	1.2					
3707250 N 0522500 E		0.12	0.45	154	0.06	11.60	50	0.6					
3707250 N 0522550 E		0.07	0.34	181	0.05	9.47	48	0.8					
3707250 N 0522600 E		0.08	0.36	113	0.06	10.50	55	0.7					
3707250 N 0522650 E		0.08	0.34	112	0.08	9.95	62	0.8					
3707250 N 0522700 E		0.11	0.39	108	0.05	10.25	57	1.0					
3707300 N 0522250 E		0.17	0.74	35	0.12	8.10	104	1.0					
3707300 N 0522300 E		0.19	1.05	51	0.11	11.20	187	0.7					
3707300 N 0522350 E		0.15	0.68	37	0.19	7.08	146	1.6					
3707300 N 0522400 E		0.12	0.54	90	0.09	10.80	58	0.8					
3707300 N 0522450 E		0.11	0.43	132	0.05	11.20	55	1.3					
3707300 N 0522500 E		0.11	0.42	107	<0.05	12.45	51	1.3					
3707300 N 0522550 E		0.11	0.43	139	<0.05	11.45	52	1.0					
3707300 N 0522600 E		0.08	0.40	127	0.06	10.45	41	1.1					
3707300 N 0522650 E		0.10	0.41	118	0.08	10.75	66	0.9					
3707300 N 0522700 E		0.10	0.38	157	0.08	9.24	51	1.0					
3707350 N 0522250 E		0.14	0.65	38	0.14	7.06	86	0.8					
3707350 N 0522300 E		0.16	0.75	43	0.12	8.46	69	1.6					
3707350 N 0522350 E		0.17	0.64	56	0.16	7.50	152	1.6					
3707350 N 0522400 E		0.12	0.46	106	0.10	10.25	108	1.0					
3707350 N 0522450 E		0.12	0.42	95	0.08	11.00	71	0.9					
3707350 N 0522500 E		0.14	0.50	151	0.06	11.45	53	1.0					
3707350 N 0522550 E		0.12	0.43	152	0.05	9.35	54	1.2					
3707350 N 0522600 E		0.12	0.46	141	0.05	11.00	54	1.6					
3707350 N 0522650 E		0.11	0.45	116	0.05	12.05	54	1.2					
3707350 N 0522700 E		0.13	0.47	120	0.06	12.50	56	1.0					
3707350 N 0522750 E		0.16	0.51	108	0.08	11.50	65	1.4					
3707350 N 0522800 E		0.22	0.86	71	0.09	12.30	77	1.0					
3707400 N 0522250 E		0.15	0.78	34	0.15	8.21	83	1.2					

Project: Iron Nugget

CERTIFICATE OF ANALYSIS REI7281787

Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au ppm	AuME-TL43 AuME-TL43 ppm	Ag ppm	AuME-TL43 AuME-TL43 %	Al %	AuME-TL43 AuME-TL43 %	As ppm	AuME-TL43 AuME-TL43 ppm	B ppm	AuME-TL43 AuME-TL43 ppm	Ba ppm	AuME-TL43 AuME-TL43 ppm	Be ppm	AuME-TL43 AuME-TL43 ppm	Bi ppm	AuME-TL43 AuME-TL43 ppm	Ca %	AuME-TL43 AuME-TL43 %	Cd ppm	AuME-TL43 AuME-TL43 ppm	Ce ppm	AuME-TL43 AuME-TL43 ppm	Co ppm	AuME-TL43 AuME-TL43 ppm	Cr ppm	AuME-TL43 AuME-TL43 ppm	Cs ppm	AuME-TL43 AuME-TL43 ppm
3707400 N 0522300 E	0.40	0.001	0.08	0.08	0.89	0.89	0.89	89.8	10	10	90	90	0.73	0.73	0.62	0.62	0.65	0.65	1.18	1.18	40.7	40.7	8.4	8.4	14	14	1.42	1.42	
3707400 N 0522350 E	0.28	<0.001	0.05	0.05	0.83	0.83	0.83	9.9	10	10	110	110	0.50	0.50	0.46	0.46	0.29	0.29	0.59	0.59	36.5	36.5	6.5	6.5	16	16	1.41	1.41	
3707400 N 0522400 E	0.40	0.003	0.08	0.08	1.27	1.27	1.27	7.6	10	10	90	90	0.49	0.49	0.62	0.62	0.31	0.31	0.33	0.33	31.4	31.4	9.8	9.8	13	13	0.60	0.60	
3707400 N 0522450 E	0.36	0.002	0.08	0.08	1.33	1.33	1.33	5.1	10	10	110	110	0.52	0.52	0.61	0.61	0.43	0.43	0.43	0.43	29.5	29.5	8.2	8.2	10	10	0.50	0.50	
3707400 N 0522500 E	0.28	0.003	0.10	0.10	1.80	1.80	1.80	6.8	10	10	140	140	0.72	0.72	0.44	0.44	0.49	0.49	0.19	0.19	31.2	31.2	9.7	9.7	13	13	0.68	0.68	
3707400 N 0522550 E	0.34	0.002	0.12	0.12	1.13	1.13	1.13	7.0	10	10	100	100	0.51	0.51	0.53	0.53	0.30	0.30	0.29	0.29	26.6	26.6	10.9	10.9	14	14	0.49	0.49	
3707400 N 0522650 E	0.38	0.003	0.15	0.15	1.54	1.54	1.54	9.0	10	10	140	140	0.67	0.67	0.59	0.59	0.44	0.44	0.30	0.30	29.4	29.4	9.7	9.7	12	12	0.46	0.46	
3707400 N 0522700 E	0.32	0.003	0.19	0.19	1.62	1.62	1.62	10.0	10	10	120	120	0.72	0.72	0.58	0.58	0.40	0.40	0.35	0.35	29.6	29.6	9.9	9.9	13	13	0.64	0.64	
3707400 N 0522750 E	0.36	0.005	0.19	0.19	1.38	1.38	1.38	13.6	10	10	110	110	0.75	0.75	0.55	0.55	0.23	0.23	0.37	0.37	39.0	39.0	12.2	12.2	15	15	1.09	1.09	
3707400 N 0522800 E	0.40	0.002	0.08	0.08	1.19	1.19	1.19	19.1	10	10	110	110	0.85	0.85	0.57	0.57	0.27	0.27	0.40	0.40	52.0	52.0	11.6	11.6	15	15	1.76	1.76	
3707450 N 0522250 E	0.32	0.001	0.05	0.05	1.25	1.25	1.25	14.8	10	10	160	160	0.80	0.80	0.40	0.40	0.27	0.27	0.22	0.22	41.8	41.8	12.2	12.2	21	21	1.48	1.48	
3707450 N 0522300 E	0.40	0.001	0.03	0.03	1.03	1.03	1.03	14.2	10	<10	120	120	0.71	0.71	0.31	0.31	0.12	0.12	0.22	0.22	45.0	45.0	9.4	9.4	20	20	1.70	1.70	
3707450 N 0522350 E	0.32	0.001	0.10	0.10	1.12	1.12	1.12	12.3	10	10	100	100	0.71	0.71	0.67	0.67	0.28	0.28	0.35	0.35	44.2	44.2	8.0	8.0	16	16	1.23	1.23	
3707450 N 0522400 E	0.38	0.001	0.07	0.07	1.10	1.10	1.10	5.5	10	10	80	80	0.51	0.51	0.47	0.47	0.28	0.28	0.27	0.27	28.4	28.4	7.5	7.5	13	13	0.69	0.69	
3707450 N 0522450 E	0.42	0.003	0.08	0.08	1.24	1.24	1.24	4.7	10	10	100	100	0.49	0.49	0.50	0.50	0.33	0.33	0.24	0.24	28.1	28.1	9.0	9.0	13	13	0.64	0.64	
3707450 N 0522500 E	0.34	0.003	0.11	0.11	1.53	1.53	1.53	7.2	10	10	140	140	0.70	0.70	0.39	0.39	0.36	0.36	0.21	0.21	32.4	32.4	9.9	9.9	13	13	0.87	0.87	
3707450 N 0522550 E	0.36	0.004	0.15	0.15	1.62	1.62	1.62	9.5	10	10	110	110	0.78	0.78	0.55	0.55	0.35	0.35	0.25	0.25	34.9	34.9	10.6	10.6	13	13	0.72	0.72	
3707450 N 0522600 E	0.26	0.003	0.16	0.16	1.52	1.52	1.52	8.1	10	10	120	120	0.67	0.67	0.55	0.55	0.35	0.35	0.25	0.25	27.6	27.6	9.9	9.9	14	14	0.57	0.57	
3707450 N 0522700 E	0.34	0.003	0.25	0.25	1.79	1.79	1.79	13.6	10	10	150	150	0.86	0.86	0.65	0.65	0.44	0.44	0.42	0.42	32.5	32.5	10.7	10.7	14	14	0.78	0.78	
3707450 N 0522750 E	0.34	0.004	0.23	0.23	2.07	2.07	2.07	16.4	10	10	150	150	1.03	1.03	0.56	0.56	0.44	0.44	0.38	0.38	36.0	36.0	10.9	10.9	15	15	1.00	1.00	
3707450 N 0522800 E	0.38	0.010	0.10	0.10	1.02	1.02	1.02	18.7	10	10	110	110	0.82	0.82	0.64	0.64	0.32	0.32	0.57	0.57	42.5	42.5	8.5	8.5	14	14	1.57	1.57	
3707500 N 0522250 E	0.20	0.002	0.06	0.06	1.11	1.11	1.11	14.6	10	10	120	120	1.32	1.32	0.56	0.56	0.24	0.24	0.30	0.30	49.4	49.4	13.0	13.0	17	17	2.64	2.64	
3707500 N 0522300 E	0.46	0.003	0.13	0.13	1.38	1.38	1.38	14.4	10	10	110	110	0.90	0.90	0.61	0.61	0.25	0.25	0.44	0.44	39.9	39.9	13.9	13.9	19	19	1.80	1.80	
3707500 N 0522350 E	0.48	0.001	0.06	0.06	0.78	0.78	0.78	8.0	10	10	80	80	0.55	0.55	0.44	0.44	0.17	0.17	0.25	0.25	35.2	35.2	7.3	7.3	14	14	1.14	1.14	
3707500 N 0522400 E	0.44	0.003	0.10	0.10	1.24	1.24	1.24	8.2	10	10	110	110	0.76	0.76	0.38	0.38	0.26	0.26	0.22	0.22	38.7	38.7	9.3	9.3	14	14	1.33	1.33	
3707500 N 0522450 E	0.34	0.002	0.13	0.13	1.31	1.31	1.31	9.5	10	10	90	90	0.64	0.64	0.82	0.82	0.28	0.28	0.34	0.34	33.7	33.7	8.3	8.3	13	13	1.13	1.13	
3707500 N 0522500 E	0.44	0.002	0.10	0.10	1.11	1.11	1.11	8.0	10	10	100	100	0.57	0.57	0.64	0.64	0.22	0.22	0.36	0.36	31.3	31.3	8.6	8.6	12	12	0.76	0.76	
3707500 N 0522550 E	0.44	0.002	0.12	0.12	1.14	1.14	1.14	9.0	10	10	110	110	0.62	0.62	0.52	0.52	0.26	0.26	0.32	0.32	31.5	31.5	9.5	9.5	13	13	0.82	0.82	
3707500 N 0522600 E	0.38	0.004	0.15	0.15	1.32	1.32	1.32	10.4	10	10	100	100	0.74	0.74	0.55	0.55	0.27	0.27	0.29	0.29	32.0	32.0	9.6	9.6	13	13	0.84	0.84	
3707500 N 0522750 E	0.40	0.007	0.16	0.16	1.74	1.74	1.74	30.9	10	10	150	150	1.39	1.39	0.87	0.87	0.30	0.30	0.62	0.62	53.7	53.7	12.3	12.3	18	18	1.88	1.88	
3707500 N 0522800 E	0.32	0.004	0.19	0.19	2.23	2.23	2.23	20.6	10	10	170	170	1.56	1.56	0.90	0.90	1.17	1.17	0.61	0.61	55.4	55.4	10.3	10.3	21	21	2.07	2.07	
3707550 N 0522250 E	0.08	0.001	0.06	0.06	1.63	1.63	1.63	7.8	10	10	160	160	1.56	1.56	0.36	0.36	0.18	0.18	0.18	0.18	63.6	63.6	14.8	14.8	22	22	3.25	3.25	
3707550 N 0522300 E	0.26	0.003	0.05	0.05	1.24	1.24	1.24	11.4	10	10	130	130	1.13	1.13	0.54	0.54	0.18	0.18	0.24	0.24	45.8	45.8	11.3	11.3	21	21	2.02	2.02	
3707550 N 0522350 E	0.28	0.001	0.08	0.08	1.54	1.54	1.54	14.5	10	10	140	140	1.03	1.03	0.59	0.59	0.21	0.21	0.36	0.36	45.6	45.6	9.4	9.4	23	23	1.98	1.98	
3707550 N 0522400 E	0.30	0.003	0.22	0.22	1.88	1.88	1.88	21.0	10	10	130	130	1.61	1.61	0.59	0.59	0.37	0.37	0.49	0.49	49.0	49.0	11.6	11.6	25	25	2.26	2.26	
3707550 N 0522450 E	0.40	0.003	0.20	0.20	2.12	2.12	2.12	20.8	10	10	140	140	1.38	1.38	0.50	0.50	0.52	0.52	0.56	0.56	41.6	41.6	9.2	9.2	20	20	1.60	1.60	
3707550 N 0522500 E	0.30	0.004	0.20	0.20	2.19	2.19	2.19	22.2	10	10	120	120	1.25	1.25	0.54	0.54	0.41	0.41	0.83	0.83	42.5	42.5	10.1	10.1	19	19	1.75	1.75	
3707550 N 0522550 E	0.40	0.002	0.19	0.19	1.07	1.07	1.07	20.2	10	10	90	90	0.74	0.74	0.63	0.63	0.27	0.27	1.20	1.20	33.2	33.2	9.7	9.7	14	14	1.16	1.16	
3707550 N 0522600 E	0.42	0.004	0.17	0.17	1.36	1.36	1.36	15.2	10	10	110	110	0.87	0.87	0.58	0.58	0.27	0.27	0.33	0.33	39.6	39.6	10.5	10.5	14	14	1.15	1.15	
3707550 N 0522650 E	0.38	0.005	0.15	0.15	1.49	1.49	1.49	14.4	10	10	100	100	0.80	0.80	0.66	0.66	0.28	0.28	0.44	0.44	31.0	31.0	9.2	9.2	12	12	0.77	0.77	



Project: Iron Nugget

CERTIFICATE OF ANALYSIS RE17281787

Sample Description	AuME-TL43 Cu ppm	AuME-TL43 Fe %	AuME-TL43 Ga ppm	AuME-TL43 Ge ppm	AuME-TL43 Hf ppm	AuME-TL43 Hg ppm	AuME-TL43 In ppm	AuME-TL43 K %	AuME-TL43 La ppm	AuME-TL43 Li ppm	AuME-TL43 Mg %	AuME-TL43 Mn ppm	AuME-TL43 Mo ppm	AuME-TL43 Na %	AuME-TL43 Nb ppm
3707400 N 0522300 E	96.2	2.45	3.18	0.05	0.03	0.05	0.028	0.21	18.1	8.2	0.20	358	2.04	<0.01	0.75
3707400 N 0522350 E	41.1	1.65	3.09	<0.05	0.03	0.03	0.024	0.16	15.5	8.7	0.21	342	0.95	<0.01	0.70
3707400 N 0522400 E	93.9	6.08	7.00	0.05	0.03	0.04	0.038	0.16	14.7	7.4	0.29	389	1.42	<0.01	0.53
3707400 N 0522450 E	82.1	3.87	5.70	<0.05	0.03	0.03	0.037	0.25	13.7	8.7	0.31	431	1.32	<0.01	0.94
3707400 N 0522500 E	71.2	5.67	8.14	<0.05	0.04	0.04	0.036	0.23	15.8	10.6	0.38	411	0.77	<0.01	0.51
3707400 N 0522550 E	86.9	7.43	7.58	<0.05	0.04	0.03	0.034	0.18	12.8	6.7	0.25	402	1.16	<0.01	0.43
3707400 N 0522650 E	92.2	4.79	6.46	<0.05	0.03	0.07	0.038	0.23	14.7	8.9	0.32	426	1.37	<0.01	0.68
3707400 N 0522700 E	96.3	4.99	6.82	<0.05	0.05	0.05	0.040	0.27	14.3	9.5	0.33	438	1.20	<0.01	0.58
3707400 N 0522750 E	93.9	4.75	6.28	0.05	0.03	0.05	0.039	0.27	17.0	8.7	0.27	537	1.44	<0.01	0.51
3707400 N 0522800 E	83.8	2.71	4.28	0.05	0.03	0.05	0.036	0.27	20.8	8.4	0.28	380	1.46	<0.01	0.57
3707450 N 0522300 E	49.4	2.25	4.51	<0.05	0.05	0.04	0.031	0.22	19.3	10.5	0.27	508	1.09	<0.01	0.71
3707450 N 0522350 E	27.3	2.23	4.02	0.05	0.03	0.02	0.025	0.14	20.0	10.2	0.24	261	0.96	<0.01	0.58
3707450 N 0522350 E	67.3	2.10	3.97	0.05	0.04	0.04	0.033	0.20	20.1	9.3	0.28	319	1.19	<0.01	0.71
3707450 N 0522400 E	63.2	3.82	5.07	<0.05	0.04	0.03	0.031	0.21	13.5	7.6	0.25	313	1.17	<0.01	0.72
3707450 N 0522450 E	76.2	5.34	6.52	0.05	0.03	0.03	0.033	0.21	13.4	8.5	0.26	378	1.04	<0.01	0.60
3707450 N 0522500 E	86.0	4.90	6.66	0.05	0.03	0.04	0.033	0.17	16.5	9.1	0.29	432	0.92	<0.01	0.53
3707450 N 0522550 E	86.2	5.34	7.24	0.05	0.05	0.06	0.039	0.23	16.5	9.4	0.23	434	1.20	<0.01	0.58
3707450 N 0522600 E	83.2	6.28	7.43	<0.05	0.05	0.04	0.036	0.19	13.8	9.0	0.28	365	1.06	<0.01	0.43
3707450 N 0522700 E	105.0	5.31	7.49	0.05	0.06	0.07	0.045	0.28	17.0	11.0	0.33	463	1.21	<0.01	0.61
3707450 N 0522750 E	100.0	4.63	7.87	0.05	0.08	0.06	0.043	0.30	18.4	13.0	0.37	425	1.17	<0.01	0.59
3707450 N 0522800 E	93.3	2.23	3.71	<0.05	0.03	0.05	0.035	0.29	18.8	8.2	0.24	296	1.53	<0.01	0.65
3707500 N 0522250 E	88.5	2.20	4.12	0.05	0.04	0.05	0.036	0.31	21.5	9.6	0.23	409	1.44	<0.01	0.58
3707500 N 0522300 E	109.5	2.81	5.36	0.05	0.04	0.05	0.039	0.30	18.4	13.3	0.42	676	1.81	<0.01	0.44
3707500 N 0522350 E	57.8	2.87	3.93	<0.05	0.02	0.03	0.024	0.15	16.0	7.7	0.22	330	1.06	<0.01	0.38
3707500 N 0522400 E	81.0	3.96	5.96	0.05	0.03	0.04	0.027	0.22	19.1	10.5	0.34	481	1.04	<0.01	0.43
3707500 N 0522450 E	97.7	3.86	5.94	<0.05	0.05	0.04	0.039	0.25	15.7	11.1	0.42	391	1.38	<0.01	0.66
3707500 N 0522500 E	101.0	4.07	5.71	<0.05	0.03	0.03	0.038	0.19	14.4	8.4	0.23	372	1.44	<0.01	0.55
3707500 N 0522550 E	87.7	5.12	6.41	<0.05	0.03	0.04	0.032	0.21	15.1	8.6	0.23	382	1.22	<0.01	0.47
3707500 N 0522600 E	88.7	5.33	7.03	<0.05	0.04	0.05	0.035	0.18	15.5	9.2	0.23	361	1.25	<0.01	0.46
3707500 N 0522750 E	144.0	3.68	6.78	0.06	0.04	0.07	0.053	0.29	24.8	15.5	0.30	560	1.81	<0.01	0.62
3707500 N 0522800 E	114.0	2.79	7.00	0.05	0.17	0.07	0.053	0.39	25.4	23.8	0.72	459	1.35	<0.01	0.83
3707550 N 0522250 E	44.2	2.52	5.83	0.06	0.03	0.06	0.031	0.32	29.0	18.7	0.26	817	1.03	<0.01	0.44
3707550 N 0522300 E	66.4	2.36	4.72	0.05	0.04	0.05	0.047	0.25	21.7	14.8	0.31	554	1.18	<0.01	0.53
3707550 N 0522350 E	71.1	2.42	5.60	0.05	0.04	0.06	0.039	0.23	20.5	19.0	0.27	553	1.35	<0.01	0.76
3707550 N 0522400 E	89.9	2.78	6.37	0.05	0.11	0.07	0.044	0.26	25.7	23.9	0.71	555	1.47	<0.01	0.76
3707550 N 0522450 E	64.7	3.52	7.28	0.05	0.10	0.06	0.038	0.22	21.4	18.3	0.58	460	0.96	<0.01	0.42
3707550 N 0522500 E	80.7	3.75	7.62	0.05	0.11	0.05	0.040	0.26	20.6	18.9	0.69	532	1.03	<0.01	0.47
3707550 N 0522550 E	110.5	4.13	5.37	<0.05	0.04	0.05	0.039	0.21	15.1	9.7	0.27	540	1.66	<0.01	0.42
3707550 N 0522600 E	96.6	4.68	6.52	0.05	0.03	0.05	0.037	0.19	17.8	9.7	0.25	402	1.38	<0.01	0.45
3707550 N 0522650 E	113.0	4.51	6.64	0.05	0.03	0.05	0.040	0.20	15.5	10.0	0.24	383	1.50	<0.01	0.51

Project: Iron Nugget

CERTIFICATE OF ANALYSIS RE17281787

Sample Description	Method Analyte Units LOD	AuME-TL43 Ni ppm	AuME-TL43 P ppm	AuME-TL43 Pb ppm	AuME-TL43 Rb ppm	AuME-TL43 Re ppm	AuME-TL43 S %	AuME-TL43 Sb ppm	AuME-TL43 Sc ppm	AuME-TL43 Se ppm	AuME-TL43 Sn ppm	AuME-TL43 Sr ppm	AuME-TL43 Ta ppm	AuME-TL43 Te ppm	AuME-TL43 Th ppm	AuME-TL43 Tl %
3707400 N 0522300 E		12.6	1720	611	18.0	<0.001	0.02	8.59	2.5	0.5	1.0	37.6	<0.01	0.10	3.3	0.039
3707400 N 0522350 E		9.8	250	40.4	18.5	<0.001	0.01	1.12	2.2	0.2	0.8	25.4	<0.01	0.10	3.9	0.046
3707400 N 0522400 E		7.2	560	30.0	11.0	0.001	0.01	0.60	3.1	0.2	1.2	39.9	<0.01	0.12	3.2	0.044
3707400 N 0522450 E		6.3	730	25.4	13.3	0.001	0.02	0.46	3.0	0.2	1.2	48.4	<0.01	0.11	2.2	0.044
3707400 N 0522500 E		8.2	470	18.9	15.1	<0.001	0.02	0.42	3.9	0.2	1.0	60.5	<0.01	0.09	3.5	0.033
3707400 N 0522550 E		7.9	410	22.5	12.3	0.001	0.02	0.61	2.8	<0.2	1.0	47.4	<0.01	0.11	3.4	0.029
3707400 N 0522600 E		7.8	500	24.1	12.5	0.002	0.03	0.65	3.3	0.3	1.1	62.1	<0.01	0.13	2.6	0.029
3707400 N 0522700 E		8.5	460	31.7	16.4	0.001	0.03	0.81	3.5	0.2	1.1	46.8	<0.01	0.12	3.0	0.032
3707400 N 0522750 E		10.2	280	37.8	21.7	0.001	0.02	1.29	3.6	0.3	1.1	33.3	<0.01	0.12	2.8	0.040
3707400 N 0522800 E		12.3	210	35.2	23.7	<0.001	0.01	1.52	3.2	0.4	1.0	40.2	<0.01	0.11	3.2	0.037
3707450 N 0522250 E		14.4	260	42.2	24.3	<0.001	0.01	1.35	3.2	0.2	0.9	23.4	<0.01	0.08	5.2	0.055
3707450 N 0522300 E		12.2	190	96.2	19.1	<0.001	0.01	1.81	3.0	0.2	0.7	19.1	<0.01	0.05	5.9	0.065
3707450 N 0522350 E		10.7	250	47.8	18.6	<0.001	0.01	1.11	2.9	0.3	1.0	26.8	<0.01	0.10	4.2	0.047
3707450 N 0522400 E		7.3	390	30.4	12.2	0.001	0.02	0.54	2.6	<0.2	1.0	32.1	<0.01	0.08	2.8	0.032
3707450 N 0522450 E		6.9	610	17.4	12.8	0.001	0.01	0.40	3.0	0.2	1.0	40.8	<0.01	0.10	2.8	0.046
3707450 N 0522500 E		8.3	300	19.3	14.5	<0.001	0.01	0.53	3.8	0.2	0.9	56.6	<0.01	0.08	2.8	0.035
3707450 N 0522550 E		8.9	340	24.2	17.5	0.001	0.02	0.67	4.0	0.3	1.1	53.5	<0.01	0.10	3.4	0.033
3707450 N 0522600 E		8.3	360	25.2	11.7	<0.001	0.02	0.58	3.3	0.2	1.0	51.1	<0.01	0.10	3.5	0.028
3707450 N 0522700 E		9.9	420	40.3	17.3	0.002	0.03	0.97	3.9	0.3	1.2	54.1	<0.01	0.13	3.2	0.028
3707450 N 0522750 E		11.2	360	41.8	20.5	0.001	0.03	1.04	4.5	0.4	1.2	56.4	<0.01	0.12	3.4	0.027
3707450 N 0522800 E		10.5	340	36.4	19.0	<0.001	0.02	1.51	2.3	0.4	1.1	43.4	<0.01	0.11	2.3	0.023
3707500 N 0522250 E		13.7	270	20.0	32.8	<0.001	0.01	0.78	2.9	0.3	1.1	22.2	<0.01	0.11	2.5	0.029
3707500 N 0522300 E		16.4	340	106.0	27.4	0.001	0.01	1.71	3.3	0.3	1.1	22.3	<0.01	0.11	4.3	0.044
3707500 N 0522350 E		8.6	230	25.4	14.6	<0.001	<0.01	0.68	2.2	<0.2	0.8	19.5	<0.01	0.08	4.1	0.037
3707500 N 0522400 E		10.3	280	17.3	18.3	<0.001	0.01	0.52	3.1	0.2	0.9	32.9	<0.01	0.09	3.0	0.031
3707500 N 0522450 E		9.1	420	24.7	17.5	0.001	0.01	0.71	3.1	0.3	1.4	31.2	<0.01	0.19	3.5	0.034
3707500 N 0522500 E		7.3	340	24.0	16.0	0.001	0.01	0.64	3.0	0.2	1.2	34.4	<0.01	0.13	3.1	0.034
3707500 N 0522550 E		7.9	300	23.6	16.3	0.001	0.01	0.74	3.1	0.2	1.0	42.3	<0.01	0.10	3.1	0.034
3707500 N 0522600 E		8.2	330	26.7	14.9	0.001	0.01	0.76	3.4	0.3	1.1	41.3	<0.01	0.12	3.1	0.028
3707500 N 0522750 E		14.6	240	73.2	27.0	0.001	0.01	2.72	4.6	0.2	1.4	38.3	<0.01	0.18	4.3	0.034
3707500 N 0522800 E		20.0	350	83.4	27.6	0.001	0.02	1.29	4.5	0.3	1.6	33.4	<0.01	0.12	6.1	0.018
3707550 N 0522250 E		18.0	210	16.1	38.8	<0.001	<0.01	0.50	4.4	0.4	1.0	22.1	<0.01	0.07	4.5	0.053
3707550 N 0522300 E		14.5	180	19.5	27.6	<0.001	<0.01	0.82	3.7	0.3	1.0	19.0	<0.01	0.12	5.2	0.057
3707550 N 0522350 E		14.1	370	22.3	27.4	<0.001	0.01	0.87	3.7	0.4	1.1	23.2	<0.01	0.15	4.9	0.053
3707550 N 0522400 E		22.4	300	74.0	26.5	<0.001	0.01	1.52	4.8	0.4	1.2	16.4	<0.01	0.11	6.0	0.026
3707550 N 0522450 E		15.9	330	70.7	18.2	<0.001	0.01	1.63	4.3	0.2	1.1	21.4	<0.01	0.11	5.0	0.011
3707550 N 0522500 E		15.0	300	101.5	20.5	<0.001	0.02	1.96	4.6	0.3	1.1	21.8	<0.01	0.12	4.7	0.014
3707550 N 0522550 E		10.5	320	101.5	16.7	0.001	0.01	2.11	3.1	0.2	1.1	17.5	<0.01	0.13	3.3	0.026
3707550 N 0522600 E		9.4	240	33.4	17.8	0.001	0.01	1.23	3.8	0.4	1.1	39.5	<0.01	0.12	2.8	0.030
3707550 N 0522650 E		8.6	350	33.3	14.1	0.001	0.01	1.03	3.6	0.3	1.3	40.4	<0.01	0.14	2.9	0.030



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Project: Iron Nugget

CERTIFICATE OF ANALYSIS REI7281787

Sample Description	Method Analyte Units LOD	Tl ppm	AuME-TL43 AuME-TL43 ppm	U ppm	AuME-TL43 AuME-TL43 ppm	V ppm	AuME-TL43 AuME-TL43 ppm	W ppm	AuME-TL43 AuME-TL43 ppm	Y ppm	AuME-TL43 AuME-TL43 ppm	Zn ppm	AuME-TL43 AuME-TL43 ppm	Zr ppm
3707400 N 0522300 E		0.23	1.16	53	0.72	12.95	575	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3707400 N 0522350 E		0.13	0.52	33	0.15	6.19	82	1.3	1.3	1.3	1.3	1.3	1.3	1.3
3707400 N 0522400 E		0.09	0.41	139	0.08	10.65	67	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3707400 N 0522450 E		0.09	0.38	90	0.08	10.25	69	0.9	0.9	0.9	0.9	0.9	0.9	0.9
3707400 N 0522500 E		0.12	0.43	136	0.05	11.75	53	1.4	1.4	1.4	1.4	1.4	1.4	1.4
3707400 N 0522550 E		0.10	0.38	188	0.08	8.59	53	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3707400 N 0522650 E		0.12	0.45	116	0.07	11.30	54	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3707400 N 0522700 E		0.15	0.46	121	0.08	9.91	73	1.4	1.4	1.4	1.4	1.4	1.4	1.4
3707400 N 0522750 E		0.19	0.66	115	0.09	12.30	76	0.8	0.8	0.8	0.8	0.8	0.8	0.8
3707400 N 0522800 E		0.25	0.98	49	0.08	11.35	76	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3707450 N 0522250 E		0.23	0.87	44	0.14	9.81	75	1.8	1.8	1.8	1.8	1.8	1.8	1.8
3707450 N 0522300 E		0.17	0.93	41	0.15	8.86	116	1.7	1.7	1.7	1.7	1.7	1.7	1.7
3707450 N 0522350 E		0.15	0.81	43	0.11	10.45	75	1.4	1.4	1.4	1.4	1.4	1.4	1.4
3707450 N 0522400 E		0.10	0.37	92	0.07	8.95	56	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3707450 N 0522450 E		0.09	0.38	129	0.07	10.15	50	0.8	0.8	0.8	0.8	0.8	0.8	0.8
3707450 N 0522500 E		0.12	0.54	119	0.06	12.65	48	0.9	0.9	0.9	0.9	0.9	0.9	0.9
3707450 N 0522550 E		0.15	0.53	131	0.05	11.90	52	1.4	1.4	1.4	1.4	1.4	1.4	1.4
3707450 N 0522600 E		0.10	0.43	157	0.05	9.40	55	1.4	1.4	1.4	1.4	1.4	1.4	1.4
3707450 N 0522700 E		0.16	0.54	127	0.07	12.70	82	1.6	1.6	1.6	1.6	1.6	1.6	1.6
3707450 N 0522750 E		0.20	0.62	105	0.06	13.30	82	2.0	2.0	2.0	2.0	2.0	2.0	2.0
3707450 N 0522800 E		0.20	0.79	40	0.10	8.98	84	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3707500 N 0522300 E		0.26	0.86	38	0.14	10.85	41	0.8	0.8	0.8	0.8	0.8	0.8	0.8
3707500 N 0522350 E		0.24	0.70	57	0.12	10.60	74	1.3	1.3	1.3	1.3	1.3	1.3	1.3
3707500 N 0522400 E		0.11	0.57	68	0.11	8.39	45	0.9	0.9	0.9	0.9	0.9	0.9	0.9
3707500 N 0522450 E		0.14	0.53	97	0.07	12.45	41	0.7	0.7	0.7	0.7	0.7	0.7	0.7
3707500 N 0522500 E		0.13	0.43	94	0.08	9.56	56	1.5	1.5	1.5	1.5	1.5	1.5	1.5
3707500 N 0522550 E		0.12	0.46	101	0.08	8.51	59	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3707500 N 0522600 E		0.12	0.49	129	0.08	9.62	56	0.9	0.9	0.9	0.9	0.9	0.9	0.9
3707500 N 0522650 E		0.13	0.51	132	0.08	9.86	57	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3707500 N 0522700 E		0.27	1.05	73	0.09	15.25	110	1.5	1.5	1.5	1.5	1.5	1.5	1.5
3707500 N 0522800 E		0.28	0.77	46	0.11	14.95	102	5.7	5.7	5.7	5.7	5.7	5.7	5.7
3707550 N 0522250 E		0.22	1.09	45	0.10	15.05	42	0.9	0.9	0.9	0.9	0.9	0.9	0.9
3707550 N 0522300 E		0.22	0.94	45	0.12	11.55	50	1.5	1.5	1.5	1.5	1.5	1.5	1.5
3707550 N 0522350 E		0.20	0.95	45	0.12	10.10	60	1.6	1.6	1.6	1.6	1.6	1.6	1.6
3707550 N 0522400 E		0.27	0.89	53	0.15	15.10	80	3.8	3.8	3.8	3.8	3.8	3.8	3.8
3707550 N 0522450 E		0.20	0.47	81	0.09	12.60	158	2.7	2.7	2.7	2.7	2.7	2.7	2.7
3707550 N 0522500 E		0.19	0.54	84	0.08	12.50	229	2.8	2.8	2.8	2.8	2.8	2.8	2.8
3707550 N 0522550 E		0.15	0.59	99	0.14	9.41	265	1.2	1.2	1.2	1.2	1.2	1.2	1.2
3707550 N 0522600 E		0.16	0.65	112	0.08	11.05	65	0.8	0.8	0.8	0.8	0.8	0.8	0.8
3707550 N 0522650 E		0.14	0.53	105	0.06	9.68	75	0.9	0.9	0.9	0.9	0.9	0.9	0.9

Project: Iron Nugget

CERTIFICATE OF ANALYSIS RE17281787

Method Analyte Units LOD	WFI-21 Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	NSS
3707550 N 0522700 E	<0.02	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
3707550 N 0522750 E	0.26	0.003	0.14	1.46	16.8	10	140	1.34	1.00	0.35	0.45	56.8	10.9	20	2.07	2.07
3707550 N 0522800 E	0.38	0.002	0.09	1.53	11.7	10	90	0.78	0.29	12.30	0.25	23.9	6.3	15	2.28	2.28
3708300 N 0522550 E	0.44	0.003	0.30	1.83	3.6	10	120	0.76	0.26	0.40	0.17	38.5	11.2	19	1.95	1.95
3708300 N 0522600 E	0.40	0.003	0.26	1.74	5.5	10	110	0.73	0.29	0.40	0.17	38.9	11.3	23	2.08	2.08
3708300 N 0522650 E	0.22	0.003	0.64	1.45	2.4	10	150	0.46	0.43	0.72	0.33	32.8	12.4	21	2.18	2.18
3708300 N 0522700 E	0.12	0.003	0.16	1.89	9.9	10	100	0.99	0.34	0.42	0.21	40.8	11.6	21	2.63	2.63
3708300 N 0522750 E	0.40	0.003	0.15	1.78	4.4	10	110	0.60	0.25	0.38	0.20	37.3	9.7	12	1.63	1.63
3708300 N 0522800 E	0.22	0.012	0.55	1.74	6.9	<10	120	0.60	0.58	0.71	0.24	38.3	21.0	73	4.94	4.94
3708300 N 0522850 E	0.22	0.005	0.16	3.45	5.5	10	150	1.34	0.22	0.56	0.09	50.6	12.1	15	2.14	2.14
3708300 N 0522900 E	0.30	0.003	0.09	1.52	6.1	10	80	0.82	0.33	0.36	0.20	37.5	8.4	16	2.54	2.54
3708350 N 0522550 E	0.26	0.001	0.12	1.97	4.4	10	140	1.20	0.70	0.57	0.23	51.0	10.7	18	2.35	2.35
3708350 N 0522600 E	0.12	0.001	0.20	2.01	4.3	10	180	0.94	0.45	0.55	0.25	38.0	12.4	23	1.66	1.66
3708350 N 0522650 E	0.22	0.002	0.19	2.24	6.7	10	170	0.99	0.56	0.82	0.33	35.3	10.6	21	1.49	1.49
3708350 N 0522700 E	0.08	0.012	0.63	1.84	2.6	10	170	0.67	0.25	0.81	0.25	44.2	14.2	23	3.41	3.41
3708350 N 0522750 E	0.24	0.005	0.27	1.77	5.9	10	150	0.60	0.40	0.79	0.23	34.9	14.1	15	2.04	2.04
3708350 N 0522800 E	0.38	0.003	0.15	1.57	5.7	10	120	0.49	0.30	0.41	0.18	30.6	9.5	11	1.28	1.28
3708350 N 0522850 E	0.38	0.002	0.13	1.43	2.8	10	110	0.48	0.15	0.38	0.13	29.3	9.5	11	1.13	1.13
3708350 N 0522900 E	0.04	0.045	0.43	1.04	3.6	10	90	0.35	0.16	0.57	0.14	21.7	15.2	44	3.46	3.46
3708400 N 0522550 E	0.20	0.003	0.14	2.13	4.9	10	160	1.71	0.49	1.00	0.25	63.7	11.5	13	2.55	2.55
3708400 N 0522600 E	0.44	0.003	0.14	1.74	2.9	10	180	0.88	0.42	1.92	0.22	35.3	11.5	20	1.69	1.69
3708400 N 0522650 E	0.22	0.001	0.23	1.41	3.6	10	130	0.50	0.47	0.36	0.23	27.3	12.6	29	1.15	1.15
3708400 N 0522700 E	0.20	0.004	0.10	1.14	5.1	10	260	0.60	0.12	12.75	0.20	27.1	9.6	12	1.95	1.95
3708400 N 0522750 E	0.28	0.002	0.14	1.87	4.1	10	170	0.83	0.61	0.39	0.30	37.6	16.8	25	2.61	2.61
3708400 N 0522800 E	0.26	0.002	0.17	1.51	4.6	20	160	0.54	0.23	1.76	0.19	29.0	11.2	13	1.45	1.45
3708400 N 0522850 E	0.42	0.002	0.12	1.35	3.5	10	90	0.40	0.33	0.35	0.22	26.6	9.1	10	1.04	1.04
3708400 N 0522900 E	0.44	0.004	0.09	1.49	2.6	10	90	0.38	0.16	0.34	0.13	26.8	9.5	9	0.97	0.97
3707200 N 0522650 E B	0.36	0.002	0.09	1.37	8.7	10	100	0.57	0.72	0.64	0.37	26.1	8.2	10	0.39	0.39





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To: NORTHERN SPHERE MINING
 5441 E. MINING CAMP ST.
 APACHE JUNCTION AZ 85119

Page: 6 - B
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 15-JAN-2018
 Account: NORTH

Project: Iron Nugget

CERTIFICATE OF ANALYSIS RE17281787

Sample Description	Method Analyte Units LOD	AuMe-TL43		AuMe-TL43		AuMe-TL43		AuMe-TL43		AuMe-TL43		AuMe-TL43		AuMe-TL43		AuMe-TL43		AuMe-TL43		
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	ppm	%	ppm	%
3707550 N 0522700 E	NSS																			
3707550 N 0522750 E	92.9	2.58	5.20	0.06	0.11	0.039	0.25	27.2	17.9	0.40	624	1.77	0.01	0.01						
3707550 N 0522800 E	36.8	1.54	4.52	<0.05	0.06	0.022	0.22	11.5	24.4	4.45	302	0.60	0.01	0.01						
3708300 N 0522550 E	64.3	4.18	8.17	0.07	0.04	0.027	0.47	18.5	25.8	0.52	517	0.97	0.01	0.01						
3708300 N 0522600 E	69.0	4.22	7.75	0.06	0.04	0.028	0.55	18.6	22.8	0.54	445	1.33	0.01	0.01						
3708300 N 0522650 E	107.0	5.47	8.41	0.09	0.03	0.034	0.61	14.9	21.6	0.69	473	1.43	0.03	0.03						
3708300 N 0522700 E	78.9	3.72	7.24	0.07	0.05	0.030	0.48	19.3	23.4	0.55	326	1.11	0.01	0.01						
3708300 N 0522750 E	87.0	3.64	7.63	0.08	0.04	0.027	0.55	17.7	26.3	0.55	433	0.99	0.01	0.01						
3708300 N 0522800 E	129.0	5.47	8.80	0.08	0.03	0.030	0.61	16.9	22.7	0.78	338	0.97	0.04	0.04						
3708300 N 0522850 E	47.1	3.58	11.40	0.08	0.06	0.044	0.29	26.7	23.2	0.73	345	0.63	0.01	0.01						
3708300 N 0522900 E	68.8	4.10	7.14	0.06	0.02	0.028	0.26	18.2	15.4	0.37	239	0.86	<0.01	<0.01						
3708350 N 0522550 E	91.3	4.79	9.69	0.07	0.03	0.043	0.49	23.7	26.4	0.65	416	1.20	0.01	0.01						
3708350 N 0522600 E	75.3	4.87	9.63	0.06	0.04	0.034	0.54	19.0	26.2	0.64	533	0.91	0.01	0.01						
3708350 N 0522650 E	99.9	3.91	8.70	0.05	0.07	0.039	0.33	17.8	21.2	0.57	377	1.00	0.01	0.01						
3708350 N 0522700 E	113.5	5.30	9.54	0.11	0.02	0.026	0.62	19.4	33.9	0.86	499	1.06	0.03	0.03						
3708350 N 0522750 E	105.5	5.08	8.71	0.08	0.03	0.032	0.67	16.2	29.8	0.76	571	0.98	0.02	0.02						
3708350 N 0522800 E	80.8	3.71	6.58	0.08	0.04	0.027	0.49	14.8	15.5	0.50	492	0.73	0.02	0.02						
3708350 N 0522850 E	58.9	4.09	6.53	0.07	0.03	0.022	0.46	14.5	13.0	0.46	404	0.65	0.02	0.02						
3708350 N 0522900 E	74.7	3.44	4.83	0.07	0.03	0.017	0.34	9.8	12.7	0.57	255	0.60	0.04	0.04						
3708400 N 0522550 E	79.4	3.54	9.37	0.11	0.04	0.040	0.70	29.7	26.4	0.83	451	0.95	0.02	0.02						
3708400 N 0522600 E	71.7	5.12	8.63	0.08	0.03	0.035	0.42	17.6	18.5	0.71	458	0.67	0.02	0.02						
3708400 N 0522650 E	72.6	6.17	8.26	0.07	0.04	0.030	0.45	14.4	13.1	0.52	436	0.74	0.02	0.02						
3708400 N 0522700 E	40.2	2.30	4.56	0.06	0.03	0.022	0.33	13.5	16.5	0.69	286	0.48	0.02	0.02						
3708400 N 0522750 E	110.5	4.92	8.94	0.09	0.04	0.040	0.68	18.6	20.1	0.86	552	1.42	0.02	0.02						
3708400 N 0522800 E	71.2	3.90	6.67	0.07	0.04	0.026	0.54	14.6	16.7	0.60	495	0.64	0.02	0.02						
3708400 N 0522850 E	76.2	4.81	6.70	0.08	0.03	0.029	0.36	12.8	11.4	0.38	381	0.91	0.02	0.02						
3708400 N 0522900 E	63.2	4.84	7.03	0.08	0.04	0.023	0.36	12.7	11.4	0.40	393	0.69	0.02	0.02						
3707200 N 0522650 E 8	100.5	4.38	6.09	0.05	0.04	0.040	0.25	13.7	8.7	0.32	364	1.17	0.01	0.01						

Project: Iron Nugget

CERTIFICATE OF ANALYSIS RE17281787

Method Analyte Units LOD	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %
3707550 N 0522700 E	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
3707550 N 0522750 E	18.6	270	46.5	22.9	<0.001	0.01	1.56	3.4	0.4	1.2	24.7	<0.01	0.15	6.6	0.034
3707550 N 0522800 E	14.3	540	18.7	16.4	<0.001	0.02	0.64	2.1	0.4	0.5	82.3	<0.01	0.06	1.2	0.020
3708300 N 0522550 E	11.2	710	11.7	33.1	<0.001	0.01	0.21	4.6	0.2	0.8	37.4	<0.01	0.05	7.4	0.101
3708300 N 0522600 E	12.6	800	12.4	33.5	0.001	0.01	0.25	4.6	0.3	0.8	55.8	<0.01	0.08	5.3	0.100
3708300 N 0522650 E	12.2	1470	28.5	36.6	0.001	0.02	0.26	4.3	0.4	1.3	63.7	<0.01	0.07	6.0	0.148
3708300 N 0522700 E	12.6	870	16.4	32.4	<0.001	<0.01	0.35	5.1	0.4	0.9	34.4	<0.01	0.07	7.1	0.084
3708300 N 0522750 E	9.3	940	13.1	30.1	<0.001	<0.01	0.22	5.1	<0.2	0.9	36.3	<0.01	0.05	5.0	0.122
3708300 N 0522800 E	35.3	1960	20.0	36.8	0.001	<0.01	0.28	4.8	0.3	0.8	34.4	<0.01	0.11	8.8	0.115
3708300 N 0522850 E	14.6	670	12.5	24.4	<0.001	<0.01	0.20	7.6	0.2	1.1	54.5	<0.01	0.05	4.4	0.104
3708300 N 0522900 E	9.0	440	20.6	24.3	0.001	<0.01	0.48	4.1	0.3	0.9	28.5	<0.01	0.08	5.8	0.056
3708350 N 0522350 E	8.5	750	18.6	45.8	0.001	0.01	0.29	4.8	0.2	1.7	51.6	<0.01	0.11	19.4	0.109
3708350 N 0522600 E	10.3	790	14.7	48.0	<0.001	0.02	0.25	4.4	0.3	1.0	57.5	<0.01	0.09	8.1	0.123
3708350 N 0522650 E	11.0	590	18.8	27.3	<0.001	0.02	0.32	5.1	0.4	1.2	60.7	<0.01	0.11	5.6	0.068
3708350 N 0522700 E	15.3	1690	28.8	46.9	0.001	0.01	0.20	6.1	0.5	1.1	76.3	<0.01	0.05	12.0	0.184
3708350 N 0522750 E	13.6	1080	15.4	38.5	0.001	0.02	0.25	5.6	0.7	1.2	93.1	<0.01	0.09	5.6	0.155
3708350 N 0522800 E	8.4	870	13.6	25.2	0.001	0.01	0.25	4.9	0.4	0.9	35.9	<0.01	0.08	4.5	0.108
3708350 N 0522850 E	7.7	790	9.9	23.8	<0.001	0.01	0.18	4.5	0.2	0.7	37.2	<0.01	0.03	4.1	0.098
3708350 N 0522900 E	28.0	1190	15.7	22.2	0.001	0.01	0.15	3.4	<0.2	0.5	25.4	<0.01	0.04	7.2	0.068
3708400 N 0522550 E	8.8	770	17.1	56.3	0.002	0.03	0.31	6.9	0.4	1.8	56.2	<0.01	0.08	22.4	0.097
3708400 N 0522600 E	7.9	810	13.5	35.6	0.001	0.02	0.18	4.4	0.2	1.1	98.5	<0.01	0.08	10.1	0.091
3708400 N 0522650 E	8.8	650	14.3	32.3	0.001	0.02	0.20	3.4	0.2	1.0	32.7	<0.01	0.09	6.3	0.111
3708400 N 0522700 E	12.6	900	6.4	24.9	0.002	0.03	0.25	4.4	0.3	0.6	38.9	<0.01	0.03	5.4	0.071
3708400 N 0522750 E	17.6	700	17.6	54.2	0.001	0.02	0.27	5.9	0.3	1.4	38.4	<0.01	0.10	9.7	0.151
3708400 N 0522800 E	9.6	1920	11.0	31.0	0.001	0.05	0.24	4.3	0.5	0.7	163.5	<0.01	0.08	4.2	0.094
3708400 N 0522850 E	6.5	920	13.6	21.7	<0.001	0.01	0.18	3.8	0.2	0.9	29.3	<0.01	0.07	4.1	0.093
3708400 N 0522900 E	6.0	870	10.2	20.7	<0.001	0.01	0.13	4.1	0.3	0.7	29.8	<0.01	0.03	3.4	0.089
3707200 N 0522650 E B	6.6	790	21.8	11.6	0.001	0.04	0.40	2.9	0.3	1.2	115.0	<0.01	0.18	1.8	0.031



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Project: Iron Nugget

CERTIFICATE OF ANALYSIS REI7281787

Sample Description	Method Analyte Units LOD	Ti ppm	U ppm	AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43 AuME-TL43	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	NSS	
3707550 N 0522700 E		0.02	0.05	0.05	1	0.05	0.05	0.05	2	0.5	
3707550 N 0522750 E		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	
3707550 N 0522800 E		0.22	0.97	0.16	45	0.16	16.25	7.51	54	2.0	
3708300 N 0522550 E		0.15	0.44	0.12	28	0.12	7.51	12.05	59	1.5	
3708300 N 0522600 E		0.16	0.69	0.14	111	0.14	12.50	12.50	58	1.4	
3708300 N 0522650 E		0.16	0.58	0.32	138	0.32	13.60	13.60	84	0.8	
3708300 N 0522700 E		0.17	0.63	0.21	141	0.21	15.80	15.80	59	1.7	
3708300 N 0522750 E		0.15	0.46	0.18	96	0.18	14.30	14.30	65	1.5	
3708300 N 0522800 E		0.21	0.65	0.37	227	0.37	16.40	16.40	72	1.2	
3708300 N 0522850 E		0.17	0.59	0.05	81	0.05	19.55	19.55	59	1.7	
3708300 N 0522900 E		0.17	0.51	0.10	103	0.10	9.78	9.78	69	2.4	
3708350 N 0522550 E		0.25	1.53	0.20	103	0.20	15.55	15.55	67	1.1	
3708350 N 0522600 E		0.22	0.76	0.13	117	0.13	10.10	10.10	68	1.5	
3708350 N 0522650 E		0.17	0.52	0.07	97	0.07	9.51	9.51	59	2.1	
3708350 N 0522700 E		0.22	1.07	0.39	123	0.39	20.0	20.0	82	0.6	
3708350 N 0522750 E		0.18	0.56	0.42	130	0.42	14.95	14.95	76	0.9	
3708350 N 0522800 E		0.14	0.42	0.16	94	0.16	12.65	12.65	59	1.4	
3708350 N 0522850 E		0.12	0.34	0.17	108	0.17	12.25	12.25	51	1.1	
3708350 N 0522900 E		0.14	0.42	0.24	140	0.24	9.90	9.90	57	1.0	
3708400 N 0522550 E		0.32	2.00	0.28	72	0.28	22.7	22.7	62	1.0	
3708400 N 0522600 E		0.19	0.80	0.19	113	0.19	12.30	12.30	64	0.7	
3708400 N 0522650 E		0.16	0.47	0.12	162	0.12	7.41	7.41	54	1.2	
3708400 N 0522700 E		0.15	0.98	0.24	52	0.24	11.05	11.05	43	1.4	
3708400 N 0522750 E		0.27	0.86	0.17	115	0.17	13.45	13.45	77	1.3	
3708400 N 0522800 E		0.13	0.43	0.15	95	0.15	10.60	10.60	65	1.2	
3708400 N 0522850 E		0.11	0.37	0.22	131	0.22	10.50	10.50	54	0.9	
3708400 N 0522900 E		0.10	0.32	0.07	131	0.07	10.80	10.80	49	1.1	
3707200 N 0522650 E B		0.09	0.30	0.07	99	0.07	9.73	9.73	62	1.0	



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Project: Iron Nugget

CERTIFICATE OF ANALYSIS RE17281787

CERTIFICATE COMMENTS	
<p>Applies to Method:</p> <p>Applies to Method:</p> <p>Applies to Method:</p>	<p>NSS is non-sufficient sample. ALL METHODS</p> <p>Processed at ALS Reno located at 4977 Energy Way, Reno, NV, USA. LOG-22 SCR-41</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. AuME-TL43 WEI-21</p> <p style="text-align: center;">ANALYTICAL COMMENTS</p>

Appendix F1

Buckeye Drillhole Survey

July 7, 2017

Buckeye Patent, Gila Co., AZ drill hole survey record

Hole B-17-1

Azimuth/direction	Inclination/dip	Station/depth	Roll (toolface), rel to dip
312.3	-37.7	560'	59.3
308.8	-39	460	59.7
309.1	-40.3	360	60.3
310.0	-41.6	260	60.7
311.4	-43.1	160	59.6
268.6	-44.0	60	63.7

Hole B-17-2

286.9	-46.4	682'	60.1
286.3	-46.0	582	58.6
286.9	-46.1	482	59.2
286.5	-45.6	382	58.9
287.3	-44.6	282	58.7
290.0	-43.7	182	59.7
2.8 (?)	-43.2	82	41.5

July 9, 2017

Buckeye Patent, Gila Co., AZ drill hole survey record

Hole B-17-3

Azimuth/direction	Inclination/dip	Station/depth	Roll (toolface), rel to dip
342.6	-40.8	1072	59.4
345.2	-41.1	972	58.5
342.1	-41	872	59.4
342.3	-41.2	772	59.3
340.6	-41.6	672	59.1
340.9	-42.0	572	59.5
341.8	-43.2	472	58.8
340.9	-43.8	372	59.8
341.7	-44.1	272	59.6
179.9 (?)	-44.8	172	-36.5 (?)

July 13, 2017

Buckeye Patent, Gila Co., AZ drill hole survey record

Hole B-17-4

Azimuth/direction	Inclination/dip	Station/depth	Roll (toolface), rel to dip
305.6	-50.1	865	60.1
305.4	-49.1	765	59.1
302.9	-48.3	665	59.9
300.7	-48.6	565	59.1
300.5	-49.2	465	58.6
299.2	-49.4	365	58.3
299.4	-49.6	265	58.0
301.1	-49.7	165	59.5

September 14, 2017

Buckeye Patent, Gila Co., AZ drill hole survey record

Hole B-17-5

Azimuth/direction	Inclination/dip	Station/depth	Roll (toolface), rel to dip
332.8	-43.5	1000'	59.8
333.1	-43.9	900	59.6
331.9	-44.9	800	59.3
328.0	-46.2	700	59.6
328.3	-47.3	600	58.6
328.1	-48.0	500	59.4
327.3	-49.1	400	59.4
326.3	-49.8	300	59.3
327.3	-50.4	200	59.5
327.4	-50.7	100	59.2
(?)	-50.9	80	57.9

Hole B-17-6

301.4	-49.4	545	59.7
301.4	-50.3	445	59.4
299.8	-50.7	345	58.4
298.2	-50.6	245	59.6
299.5	-51.6	145	59.7
299.0	-52.4	45	59.9

Hole B-17-7

299.1	-46.8	543	59.9
298.6	-46.9	443	59.1
300.2	-46.5	343	57.6
296.4	-46.2	243	59.9
298.1	-45.8	143	60.2
301.3	-45.7	43	61.7

Hole B-17-8 (hole unsurveyed ?)

Hole B-17-9

304.9	-53.1	595	58.8
303.2	-53.2	495	58.5
302.0	-53.0	395	58.8
302.6	-53.1	295	59.6
303.3	-52.6	195	59.9
302.9	-53.0	95	60.6

September 14, 2017

Buckeye Patent, Gila Co., AZ drill hole survey record

Hole B-17-10

Azimuth/direction	Inclination/dip	Station/depth	Roll (toolface), rel to dip
165.4	-42.2	203	59.6
166.3	-42.7	163	58.7
164.7	-43.3	123	59.0
164.9	-42.8	83	60.9

Hole B-17-11 (hole unsurveyed ?)

Hole B-17-12

143.4	-50.1	157	59.0
?	?	117	?

Hole B-17-13

139.6	-65.1	199	58.8
138.6	-65.2	159	58.3
140.3	-65.4	119	58.9
137.7	-65.3	79	59.7

Hole B-17-14

307.3	-35.8	853	60.1
293.1	-33.7	753	59.6
292.1	-35.2	653	59.4
292.4	-35.7	553	59.3
292.0	-37.1	453	59.0
286.1	-39.4	353	57.4
290.2	-41.2	253	58.6
290.7	-42.0	153	58.6
292.2	-42.9	63	59.6

Appendix F2

Buckeye 2017 Drill Core Logs

B-17-2



NORTHERN SPHERE MINING

Diamond Drill Data **Buckeye Mine** Globe, Arizona Drill Hole: **B-17-2** Page 1 of 3
 Target: **Buckeye Vein** Northing: _____ Elevation: _____ Dip: 43° Azimuth: 287 Depth: 702'
 Logged by: **V. BARR** Log Start Date: 6-27-17 Log Finish Date: _____ Drill Start Date: _____ Drill Finish Date: _____
 Notes: O-87.5' HQ 87.5-T.D. NQ

Major Unit		Minor Unit		Sample Number	Description	Core Angles (° to CA)													
From (ft)	To (ft)	From (ft)	To (ft)			Upper Contact	Lower Contact	Foliation	Mineralite	Vein	Spalling	Fault							
0	11.5				Db Diabase														
11.5	106				AP Andesite Porphyry CL CLAY														
		11.5	84.5		Variable gr size, FeOx frac														
		84.5	85.5		fn-med gr, green-black, poor RQD → random orient frac 80-83 1/16" calcite														
		85.5	106		calcite? healed breccia texture orientation?														
106	116.5				variable gr size, local thin frac seam calcite, poor to med RQD														
		113	114		med gr, pale green, 4-12" core breaks														
		116.5	129.8		off white clay														
		129.8	131.5		med-crgr, competent, 6"-2' core breaks														
		131.5	135.5		med gr, pale green														
		135.5	145.5		med gr, dk green, 1-2' core breaks, contact with AP diffuse														
		145.5	148.5		med gr porph texture with fg ground mass pale green, thin calcite frac seams														
		148.5	158		pale green clay + local irreg 10-15° 1/16" calcite frac seams														
		158	163.5		local thin frac calcite variable frac break orientation														
		163.5	175		fn to med gr, local crgr, dk green to green-black, med to good RQD														
		175	178		healed breccia texture, orient?														

Db
AP
CL

B-17-3



Diamond Drill Data Buckeye Mine Globe, Arizona Drill Hole: B-17-3 Page 1 of 3 Depth: 1092'
 Target: _____ Easting: _____ Northing: _____ Elevation: _____ Dip: 44 Azimuth: 341
 Logged by: W. BARR Log Start Date: _____ Log Finish Date: _____ Drill Start Date: _____ Drill Finish Date: _____
 Notes: 0-77 HQ 77-1092' NG

Major Unit		Minor Unit		Sample Number	Description	Core Angles (° to CA)						
From (ft)	To (ft)	From (ft)	To (ft)	Rock Code		Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
0	18.5											
18.5	960											
		18.5	61		OB							
		61	138		DB							
		138	322									
					log pending 322 → 715							
		741	795									
		819	894									
		888	891									
		891	904									
		904	932									
		932	948									
		948	950									
		955	960									

DB fn-med gr, med decomposed, med to stg frac MnOx/FeOx, poor RQD
 local thin frac
 med-fngr, local crgr, 30 & 50° frac breaks, mod RQD, seam calcite
 minor local
 med to crgr, mod RQD, frac break at 35, 40, 45, 50, 60°, thin frac calcite
 DB variable gr size, green black
 local / lime green, frac mineral? soft
 local thin frac calcite + FeOx frac film
 soft gauge + RX-fragr, poor recovery
 elevated frac, local healed Bx, elev thin frac calcite
 minor increase ox frac + frac seam calcite, mod-poor RQD
 -same-
 1/2 to 1" frac vnl calcite
 1-4" frac spacing, local clear, euhedral frac calcite

B-17-3



Diamond Drill Data Buckeye Mine Globe, Arizona Drill Hole: B-17-3 Page 2 of 3
 Target: _____ Easting: _____ Northing: _____ Elevation: _____ Dip: 44 Azimuth: 341 Depth: 1092'
 Logged by: M. BARR Log Start Date: _____ Log Finish Date: _____ Drill Start Date: _____ Drill Finish Date: _____
 Notes: _____

Major Unit		Minor Unit		Sample Number	Description	Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
From (ft)	To (ft)	From (ft)	To (ft)									
960	1004.5				FAULT ZONE							
		974	981		marked by 1-2" frac spacing, thin hem fault slip/gouge, elev frac calcite slickensides							
		981	985		clayey tan gouge/slickensides granulated, no silicif, trace lim							
		985	1004		soft, blocky Bx texture, local slickensides, calc hem							
					fault slip common, local stg hem (as thin metallic? film), local Bx							
					sparse fault slip lim, silicif evid lacking							
				961-963	Db dk green block fault slip + frac hem / FeOx							
				963-966	Db - Same -							
				966-968	Db thin calcite + gtz? frac seams, frac hem / FeOx, mild? silicif							
				968-970	Db - Same -							
				970-972	Db mild-mod frac hem + - calcite							
				972-974	Db - Same -							
				974-976	Db Fault slip, mixed hem / FeOx + calcite							
				976-978	Db - Same -							
				978-980	Db - Same -							

B-17-3



NORTHERN SPHERE MINING

Diamond Drill Data Buckeye Mine Globe, Arizona Drill Hole: B-17-3 Page 3 of 3
 Target: _____ Easting: _____ Northing: _____ Dip: 44 Azimuth: 341 Depth: 1092'
 Logged by: M. BARR Log Start Date: _____ Log Finish Date: _____ Drill Start Date: _____ Drill Finish Date: _____
 Notes: _____

Major Unit		Minor Unit		Sample Number	Description	Core Angles (° to CA)						
From (ft)	To (ft)	From (ft)	To (ft)	Rock Code		Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
				980-981	Db mod hem clayey gouge							
				981-984	Db stg fault slip parallel to core, grey to grey-green gouge							
				993-995.5	Db stg shear, stg hem, stg hem slickensides, face shear							
				995.5-998.5	- same -							
				998.5-1001.5	Db mod hem slip/shear, stg slickensides							
				1001.5-1004	(lots of core missing) Shear slip + elev calcite							
				1004-1005.5	Db orange, med silicif/lm slip, tr blk metallics							
				1005.5-1006.5	Db crgr, sparse frac calcite							
				1005.5-1092	Db fm-med gr, local crgr, dk green-black, excellent R.O.D. local blk magnetite, @ 1083.5 3" silicif banded hem-lm gossan 40°							

B-17-4



NORTHERN SPHERE MINING

Diamond Drill Data Buckeye Mine Globe, Arizona Drill Hole: B-17-4 Page 2 of 3
 Target: _____ Elevation: _____ Dip: 49° Azimuth: 301 Depth: 882
 Logged by: M. BARR Log Start Date: _____ Northing: _____ Elevation: _____ Dip: _____ Azimuth: _____ Depth: _____
 Log Finish Date: _____ Log Finish Date: _____ Drill Start Date: _____ Drill Finish Date: _____
 Notes: _____

Major Unit		Minor Unit	Sample Number	Description	Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
731-738.5	AP		730-731	AP, pale green, grey green, variably silicified, minor Vn Bx Text, bleb grey metallics							
			731-733	Db, dk, v. y. fng. w/ mod silicif, transition contact zone Db/AP							
			733-735.5	AP, pale green, silicif, + vnl + Qtz, + (2-3%) grey bleb metallics							
			735.5-737.5	AP, pale green/green yellow, mod silicif, 2-3% dissembled grey sulfides							
			737.5-738.5	AP, pale, silicif, some Qtz vning, 2% + bleb pyrite + grey metallics							
			738.5-740.5	AP, pale green to white, stg silicif, irreg Qtz vning, gossan seams							
			740.5-749.5	Db, dk fng, mild-local mod silicif, local gouge/Bx Text at 35°							
			749.5-751.5	Db, black fng, w/ silicif, clef frac seam calcite							
			751.5-752.5	AP, silicif, gouge at contacts, mod gr dissemin sulfides (tr)							
			752.5-774	Db, fng, dark, 5% calcite/SiO2 frac flooding, local fault slip + Bx							
			774-781	AP + Qtz veins							

B-17-5



Diamond Drill Data Buckeye Mine Globe, Arizona Drill Hole: B-17-5 Page 2 of 2
 Target: _____ Easting: _____ Northing: _____ Elevation: _____ Dip: 50° Azimuth: 327 Depth: 1005'
 Logged by: N. BARR Log Start Date: _____ Log Finish Date: _____ Drill Start Date: _____ Drill Finish Date: _____
 Notes: _____

Major Unit	Minor Unit	Sample Number	Description	Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
923.5-941.5	Db + VN zone	922-923.5 Db	similar to 921-22, mod silicif, lim blotches (alt mafics?)							
			Db, sheared, variable lim + hem + local Qtz, local gouge + BX, elev calcite							
			923.5-924.5 Db, mod silicif, stg to perv lim-hem, thin vult matrix silicif							
			924.5-927 well devel VN Qtz BX + mixed brown/red/yellow gossan, well silicif dk brown-org metallic sheen's slickensides							
			927-928.5 stg BX, perv hem, blk/seam gossan, 25%? Qtz VN frags							
			928.5-930 pale clayey gouge + 15% dk gossan seams, 10% Qx VN Qtz							
			930-931 med-pale green Db, sheared, 2" VN Qtz with 5% Cr bleb argentite *							
			931-933 mod-stg shear slip, green black, frgr Db, abund vult calcite							
			933-935 (similar to 931-933)							
			935-936.5 pale gouge, sheared, 60% VN Qtz frags, bleb argentite sev% local							
			936.5-939 dk green-black, sheared + BX, stg slickensides							
			939-941.5 well devel hem matrix BX, local lim, metallic sheen's slickensides fr-matgr, local cgr, good RQD							
941.5-1005'	Db		decreasing hem frac, local elev 1/8-1/4" calcite frac seams, tr bleb pyrite							
			941.5-943.5 Db, dense, mild silicif? thin hem frac texture							

B-17-7



Diamond Drill Data **Buckeye Mine** Globe, Arizona **Drill Hole: B-17-7** Page 1 of 2
Target: _____ **Easting:** _____ **Northing:** _____ **Elevation:** _____ **Dip:** 45° **Azimuth:** 300 **Depth:** 548'
Logged by: N. BARR **Log Start Date:** _____ **Log Finish Date:** _____ **Drill Start Date:** _____ **Drill Finish Date:** _____
Notes: 0-30 HQ 30-548 NG

Major Unit		Minor Unit		Sample Number	Description	Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
From (ft)	To (ft)	From (ft)	To (ft)									
0	295				minor local frac seam calcite local tr fresh pyrite mostly dark green-black, mostly med-fngr, 2-14" frac spacing, Random orient soft, oxidized/decomposed							
		0	3		dark, fng, oxid frac on 2-10" spacing							
		3	57		meta diorite? med gr, greyish green, .5% fresh pyrite grains in matrix							
		74	109		Bx texture, elev frac calcite + crystalline calcite							
		269	270.5		Db, fng, increasing frac density + elev frac seam calcite							
		271	295		Db, med gr, dense, wk? silicif, pale chlor alt of mafics							
295	318.5				Db, increasing frac + fault slip, frac 1-4" spacing at low angle							20'
					295-295.5 med-pale green, sheared/fault slip 2" + irreg vngtz, NO VIS							
					295.5-297 dark green-black fng, fault slip common, wk silicif?							
					317-318 dense green-black, fng, wk-med matrix silicif?							
					- similar - + 15% irreg vngtz, NO VIS MIN							
					318-319 local fault gouge							
318.5	328				altered Db + local And Porph varies pale to dk green, local 10-25% gtz 1/6-1/2" irreg unit gtz + calcite, white							
					319-321.5 Db, med green, med gr sandy text, chlor alt mafics, mild clay alt							

B-17-7

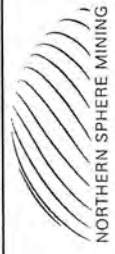
Diamond Drill Data **Buckeye Mine** **Globe, Arizona** **Drill Hole: B-17-7** Page 2 of 2 **Depth: 548'**
 Target: _____ Easting: _____ Northing: _____ Elevation: _____ Dip: 50° Azimuth: 300
 Logged by: N. BARR Log Start Date: _____ Log Finish Date: _____ Drill Start Date: _____ Drill Finish Date: _____

Major Unit		Minor Unit		Sample Number	Description	Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
From (ft)	To (ft)	From (ft)	To (ft)	Rock Code		Core Angles (° to CA)						
				321.5-323	Db, med green, chlor/clay alt, Transition to clay/sandy texture gouge							
				323-325	Db? pale green clayey gougs, minor gtz + calcite							
				325-327	Db? similar, pale green gouge, 10%? gtz frags out of uw zone, wK? silicif.							
				327-328	Db transition from med green chlor alt to dk green-black sparse, local thin frac seam calcite							
328.548					Db, dk green-black, med-fngr, 6-20" frac spacing at random orient							
				328 344	4-12" frac at 15, 30 340°, elev fault slip							
				450 478	fn-med gr Db + mafic Diorite? thin black frac film							
				479 485	elevated frac + thin frac serpentine?							
				504 548	dense fnger, dk Db, minor fresh blob pyrite on frac breaks							



NORTHERN SPHERE MINING

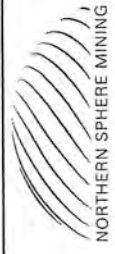
B-17-9



Diamond Drill Data Buckeye Mine Globe, Arizona Drill Hole: B-17-9 Page 2 of 2 Depth: 600'
 Target: _____ Easting: _____ Northing: _____ Elevation: _____ Dip: 53 Azimuth: 302
 Logged by: M. BARR Log Start Date: _____ Log Finish Date: _____ Drill Start Date: _____ Drill Finish Date: _____

Major Unit		Minor Unit	Sample Number	Description	Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
From (ft)	To (ft)	From (ft)	To (ft)	Rock Code	Core Angles (* to CA)						
				AP (cont)							
			572.5-574	mild to local stg hem + lim red green to hem red, mod silicif, 5-10% vnlit gtz fr gr grey min with gtz common							
			574-576	Vn Bx texture, stg hem + red-org to dk brown gossan, 50% gtz minor gtz							
			576-578	stg hem, gossan as seams/matrix flooding, mild silicif							
			578-579	stg hem + gossan stg hem/healed Bx texture, stg silicif, 4-5% blk min grains?							
			579-580	pervasive lim-hem, 5% sooty blk oxide blebs, minor silicif							
			580-583	mod-local stg gossan them, 10-15% vnlit gtz, hem sol st.							
583 600				Db							
			583-585	local healed Bx texture dk green-black fng, stg slickensides 10-15% calcite + gtz mod faulted, clef calcite + gtz							
			585-587	dk green-black, oxidized matrix, ak-mod silicif, mod frac FeOx odd lime green alt min?							
			587-590	dk green, mild silicif, shear slip, frac/Bx calcite flooded							
			590-593	dk green, fng, fault slip, local calcite healed Bx, minor gtz							
			593 600	dk, stg frac healed text., local frac seam calcite							
				T.O.							

B-17-10



NORTHERN SPHERE MINING

Diamond Drill Data Buckeye Mine Globe, Arizona Drill Hole: B-17-10 Page 1 of 2 Depth: 212'
 Target: _____ Easting: _____ Northing: _____ Elevation: 5152 Dip: 43° Azimuth: 165
 Logged by: M. BARR Log Start Date: _____ Log Finish Date: _____ Drill Start Date: _____ Drill Finish Date: _____
 Notes: 0-70' HQ 70-212 NQ

Major Unit		Minor Unit		Sample Number	Description	Core Angles (° to CA)						
From (ft)	To (ft)	From (ft)	To (ft)			Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
0	154.5											
		0	53		Db, locally decomposed, ox frac on .5-2" spacing, mostly red gr							
		80	134		Db, med-fngr, still ox frac on 1-2" spacing @ 40 160°							
		134	148		Db, fngr, ox frac, low angle & chaotic thin frac seam calcite minor fault slip							
154.5-174					153.5-154.5 Db, fngr, med grey-green, ox frac + calcite, tr silicif							
					154.5-157.5 Db, gradational into stg bleached-hem alt + - mixed gossien + - lim wk? silicif.							
					157.5-159.5 Db? clay alt, stg hem, lesser seam lim, mild silicif							
					159.5-161 Db (Vg similar to 157.5-159.5) stg hem-lim mottled text							
					161-163 AP? pervasive hem/clay, 10%? gtz frags, 45% dull black & blebs stg thin seam hem, mod clay alt							
					163-164.5 AP? local silicif Bx/clay alt fault Bx, local well devel gtz Bx clay alt + mild to mod hem							
					164.5-166.5 AP, pale gtz seams + grey mix common. 2% dull black oxide blebs stg to perv hem-lim							
					166.5-168 AP? 1' + stg Bx Un Qtz (pale grey), local stg clay/fault slip gradational into dk Db							
					168-170 Db, 1.2' stg Bx + hem + clay + - gtz, 3-4" gtz Bx							

B-17-11



NORTHERN SPHERE MINING

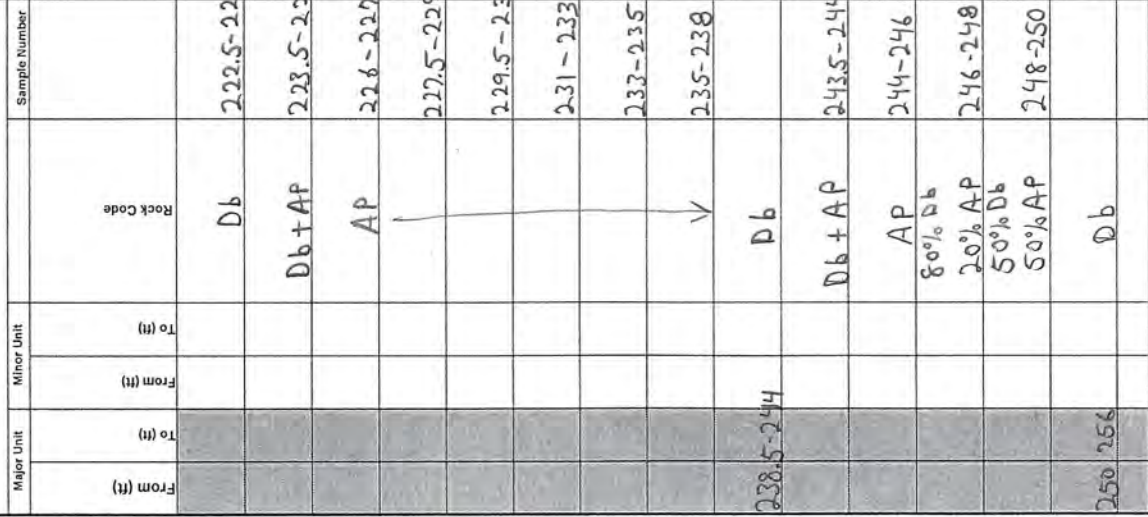
Diamond Drill Data Buckeye Mine Globe, Arizona Drill Hole: B-17-11 Page 2 of 4
 Target: _____ Easting: _____ Northing: _____ Elevation: _____ Dip: 51 Azimuth: 165 Depth: 305'
 Logged by: N. BARR Log Start Date: _____ Log Finish Date: _____ Drill Start Date: _____ Drill Finish Date: _____
 Notes: _____

Major Unit		Minor Unit		Sample Number	Description	Core Angles (° to CA)						
From (ft)	To (ft)	From (ft)	To (ft)			Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
181.5	215.5											
					196.5-199 Db, perv hem, local clayey hem gauge, local Bx Texture, 10%+? gtz							
					199-201 Db, (vy similar to 196.5-199)							
					201-203 Db, stg hem-lim, stg silicif as vn/gtz Bx, stg-vy stg dull blk oxides							
					203-205 Db, stg hem alt, 15% vn gtz, 5%+ dull black oxides							
					205-206 Db, (vy similar to 203-205)							
					206-208 Db, perv hem, clayey, stg mixed oxide dark streaks, minor gtz							
					208-210 Db, stg hem, wk silicif, local seam lim							
					210-211.5 Db, dk gray-green, fng, tr silicif, frac seam calcite							
					211.5-215.5 Db, dk, local hemid-frac texture, 2%+ frac calcite up to 1/4"							
215.5	221				AP, fng, pale-med green, 2%+ vn gtz, 1/4" gossion seam at 217'							
					215.5-218 AP, med-pale green, fng, local 3-4% vnlt gtz							
					218-220.5 AP, med-pale green, minor silicif							
221	224.5				Db, fng, dark, sev% vnlt calcite + gtz, med frac							

B-17-11

Diamond Drill Data Buckeye Mine Globe, Arizona Drill Hole: B-17-11 Page 3 of 4 Elevation: _____ Dip: 51 Azimuth: 165 Depth: 305'
 Target: _____ Easting: _____ Northing: _____ Log Start Date: _____ Log Finish Date: _____ Drill Start Date: _____ Drill Finish Date: _____
 Logged by: M. BARR Log Start Date: _____ Log Finish Date: _____ Drill Start Date: _____ Drill Finish Date: _____
 Notes:

Major Unit	Minor Unit	Sample Number	Rock Code	Description	Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
		222.5-223.5	Db	Db, fngs, dark, tr silicif, abund calcite vning							
		223.5-226	Db+AP	contact Db/AP, fngs, wk silicif, pale-med green							
		226-227.5	AP	And Porph, variably silicif							
		227.5-229.5	"	" " " med green							
		229.5-231	AP	pale green, variably silicif							
		231-233	AP	pale green, var silicif							
		233-235	AP	pale green, var silicif							
		235-238	AP	pale green, var silicif							
			Db	Db, fngs, dark green-block, mostly stg frac, minor calcite							
238.5-244		243.5-244	Db+AP	contact zone Db/AP 20°, var silicif						20°	
		244-246	AP	pale grey-green, var silicif							
			80% Db								
			20% AP								
			50% Db								
			50% AP								
		248-250	Db+AP	contact, sheared, wk silicif							
250-256			Db	Db, fngs, med frac, dark							





Diamond Drill Data **Buckeye Mine** **Globe, Arizona** **Drill Hole: B-17-13** Page 1 of 1
Target: _____ **Easting:** _____ **Northing:** _____ **Elevation:** _____ **Dip:** 65° **Azimuth:** 140 **Depth:** 199.5'
Logged by: M. BARR **Log Start Date:** _____ **Log Finish Date:** _____ **Drill Start Date:** _____ **Drill Finish Date:** _____
Notes: 0-50' HQ 50-199.5 NQ

Major Unit		Minor Unit	Sample Number	Description	Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
0	129			med gr. 2-14" frac spacing at 20, 40, 60, 70°							
		0	69	mod to milk ox frac. into comp fresh Rx at 69							
129	145			patchy elev frac hem-FeOx, 40° fault gouge at 129' med green, mod devl fault slip at 20°, local chaotic thin frac calcite							20°, 40°
145	158.5			Db, fnger, med grey-green, fract-Bx healed with calcite flooding							
				Db, stg Bx/gauge, calcite matrix Bx, local stg hem + lim local void, cr x line euhedral calcite							
				Db, pervasive hem-lim gouge + Rx frags, abund calcite, tr silicif with x line							
				Db? stg Bx texture, perv hem to rg gouge, abund void calcite							
				153.5-154.5 Db, mod to perv hem alt, tr? silicif							
				154.5-156.5 Db, mod-stg hem, clay alt feldspar, tr. silicif patchy mod silicif							
				156.5-158.5 Db, mod-local stg hem alt, clay alt feldspar, local seam lim							
158.5	199.5			mod-fn gr, 4-18" frac spacing at 30, 50°, minor thin frac calcite local thin, dull black film on frac breaks							
				Db, local thin calcite frac seams + -gtz + -ox frac at 30°							

B-17-14



NORTHERN SPHERE MINING

Diamond Drill Data **Buckeye Mine** **Globe, Arizona** **Drill Hole: B-17-14** Page 3 of 3
Target: _____ **Easting:** _____ **Northing:** _____ **Elevation:** _____ **Dip:** 42 **Azimuth:** 290 **Depth:** 853'
Logged by: M. BARB **Log Start Date:** _____ **Log Finish Date:** _____ **Drill Start Date:** _____ **Drill Finish Date:** _____
Notes: 0-67 HQ 67-853' NQ

Major Unit		Minor Unit		Sample Number	Description	Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
From (ft)	To (ft)	From (ft)	To (ft)	Rock Code								
0	94.5				Db							
		0	67									
		67	94.5									
94.5	92.5				AP							
92.5	132.5				Db							
132.5	134				AP							
134	504				Db							
		253	254									
		262	262.5									40°
		313	316		Meta Sed?							
		389	389.5		Db							
		402	407									
		483	504									
		504	518									

Db, med-fngr, ox frac on 1-6" spacing at 50, 60°
 Db, fn-crgr, mild to tr ox frac at 30, 50, 60°, sharp contact with AP
 AP med green, med gr porph texture
 Db, fn-crgr, unoxid, 6-22" frac spacing at 15, 45°, low angle calcite
 AP, med green, unoxid, sparse frac calcite
 Db, fn-med, local crgr, frac spacing mostly 8-20" at 20, 30, 40, 45, 50°
 tr chalky white frac seam min (adularia?)
 Fault slip at 40°
 Silic meta sediment inclusion/Xeno lith?, med gr, pale banded, tr fresh pyrite
 local seam chalky white adularia?
 sparse bright lime green, soft frac coating min?
 calcite + adularia? frac seams at 20°, MnOx dendrites
 * at 496' 2" Qtz/FeOx vein + felsic inclusions at 550°
 Db, fng, increasing frac on 2-4" spacing at 30, 40, 50°
 local slicken sides
 Db, dk, fng, increasing frac on 1-4" spacing at 40, 50°

B-17-14



Diamond Drill Data Buckeye Mine Globe, Arizona Drill Hole: B-17-14 Page 3 of 3
 Target: _____ Easting: _____ Northing: _____ Elevation: _____ Dip: 42 Azimuth: 290 Depth: 853'
 Logged by: M. BARR Log Start Date: _____ Log Finish Date: _____ Drill Start Date: _____ Drill Finish Date: _____
 Notes:

Major Unit		Minor Unit	Sample Number	Description	Upper Contact	Lower Contact	Foliation	Cleavage	Vein	Bedding	Fault
From (ft)	To (ft)	From (ft)	To (ft)	Rock Code							
543	853	T.D.		Db (cont)							
543	573			(553-561) local fault slip at 40°, 561' 3/4" cr x lime calcite + gtz							40°
586	593			Db, fngt, dark green-black, 2-8" frac spacing at 30, 45°, minor gtz vults							
627	645			(586') fault slip at 75° (590-593') elev calcite, FeOx, fault slip at 45°							
738	749			Db, fngt, 8-16" frac spacing at 30, 40, 50°, local calcite fractured text							
768	773			Db, v. fngt, med-low angle 1/16-1/8" serp? calcite frac seams							
810	812			local open frac cr x lime calcite 1-2" irreg ox frac							
				Db, elev frac calcite at 20-30°, and as irreg frac flooding,							
				Db, elev FeOx/horn frac + calcite, minor fault slip evid.							
				Db, sheared/broken, calcite healed at 20°, mild hem							

Core Angles (° to CA)

Appendix F3

Buckeye 2017 Drill Core Assays

Buckeye Assays - CORE

ALS USA Inc.
4977 Energy Way
Reno NV 89502
Phone: + 1 775 356 5395 Fax: + 1 775 355 0179
www.alsglobal.com/geochemistry

To: NORTHERN SPHERE
5441 E. MINING CAMP ST.
APACHE JUNCTION AZ 85119

Page: 1
Total # Pages: 3 (A - C)
Plus Appendix Pages
Finalized Date: 10-SEP-2017
Account: NORTHS



CERTIFICATE RE17185173

Project: Buckeye
This report is for 43 Drill Core samples submitted to our lab in Reno, NV, USA on 30-AUG-2017.
The following have access to data associated with this certificate:
NICHOLAS BARR
STEVE GRAY

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% < 2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geological materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project. Statement required by Nevada State Law NRS 519

To: NORTHERN SPHERE
ATTN: NICHOLAS BARR
5441 E. MINING CAMP ST.
APACHE JUNCTION AZ 85119

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

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Method Analyte Units LOR	WEK 21 Recvd Wt. kg	ME-ICPA1 Ag ppm	ME-ICPA1 Al %	ME-ICPA1 As ppm	ME-ICPA1 B ppm	ME-ICPA1 Ba ppm	ME-ICPA1 Be ppm	ME-ICPA1 Bi ppm	ME-ICPA1 Ca %	ME-ICPA1 Cd ppm	ME-ICPA1 Co ppm	ME-ICPA1 Cr ppm	ME-ICPA1 Cu ppm	ME-ICPA1 Fe %	ME-ICPA1 Ga ppm
B-17-4 726-728	1.14	<0.2	2.39	<2	10	90	<0.5	<2	3.56	<0.5	42	80	41	6.65	10
B-17-4 730-731	0.86	<0.2	3.05	<2	<10	70	0.5	<2	3.18	<0.5	42	83	32	6.47	10
B-17-4 731-733	1.02	<0.2	0.57	<2	10	80	2.3	<2	5.60	1.0	40	35	16	6.94	<10
B-17-4 733-735.5	1.42	<0.2	0.71	4	10	70	3.0	<2	4.87	2.0	37	43	23	6.67	<10
B-17-4 735.5-737.5	1.02	0.5	1.33	10	10	50	2.8	<2	5.44	1.9	36	30	41	5.70	<10
B-17-4 737.5-738.5	0.54	0.2	0.84	4	10	20	1.8	<2	6.47	1.5	27	21	17	5.15	<10
B-17-4 738.5-740.5	1.04	<0.2	3.90	3	10	120	2.0	<2	5.20	<0.5	46	84	37	6.59	10
B-17-4 749.5-751.5	0.88	<0.2	3.77	<2	10	80	0.8	<2	3.01	<0.5	46	95	31	7.11	10
B-17-4 751.5-752.5	0.58	0.2	0.53	<2	10	20	0.6	<2	10.4	2.2	25	11	66	5.13	<10
B-17-4 772-774	1.40	<0.2	4.07	2	10	180	2.0	<2	2.55	<0.5	45	97	41	6.07	10
B-17-4 774-776	1.42	4.3	0.89	39	10	20	3.2	<2	3.42	3.6	36	21	172	6.66	<10
B-17-4 776-778	1.18	17.8	0.43	31	10	110	2.6	<2	2.02	2.5	34	15	865	6.72	<10
B-17-4 778-780	1.30	74.6	0.56	42	10	1620	3.4	<2	5.24	5.7	27	11	4570	6.16	<10
B-17-4 780-782	1.20	1.4	0.78	101	10	40	5.5	2	3.05	3.0	55	29	55	7.53	<10
B-17-4 782-783	0.72	0.2	3.29	32	10	130	3.5	<2	2.45	<0.5	45	74	32	5.93	10
B-17-9 562.5-563.5	0.94	0.2	1.99	<2	<10	130	0.9	<2	2.16	<0.5	36	12	99	6.46	10
B-17-9 563.5-565	0.90	15.3	0.38	4	10	110	3.0	<2	2.02	2.5	32	5	518	7.08	<10
B-17-9 565-567	1.16	3.2	0.69	5	10	50	4.3	2	2.32	2.0	41	6	164	8.11	<10
B-17-9 567-569	1.34	4.7	0.65	16	10	50	5.7	<2	2.58	2.1	38	5	257	9.32	<10
B-17-9 569.5-570.5	0.66	10.0	0.42	20	10	40	3.6	<2	2.06	2.2	30	4	410	7.95	<10
B-17-9 570.5-572.5	1.18	12.5	0.41	3	10	30	2.5	<2	1.76	2.4	41	5	481	8.31	<10
B-17-9 572.5-574	1.80	3.6	0.57	25	10	30	3.6	<2	2.70	2.4	34	5	272	8.49	<10
B-17-9 574-576	1.42	1.4	0.38	115	10	30	2.6	<2	5.12	4.3	30	4	219	7.55	<10
B-17-9 576-578	1.08	3.4	0.52	185	10	50	2.3	2	4.89	7.0	27	4	423	8.01	<10
B-17-9 578-579	0.74	>100	0.31	874	10	40	3.3	<2	5.66	12.0	18	2	3800	4.12	<10
B-17-9 579-580	0.50	11.9	0.58	231	10	30	2.8	<2	2.00	3.3	19	4	1475	7.41	<10
B-17-9 580-583	1.54	21.9	1.09	96	10	30	3.2	<2	3.62	1.9	31	5	495	9.84	<10
B-17-9 583-585	1.92	0.3	2.33	3	10	100	0.6	<2	5.41	0.6	44	11	99	6.87	10
B-17-9 585-587	1.42	<0.2	2.34	2	<10	90	0.5	<2	4.97	<0.5	37	12	78	7.43	10
B-17-9 587-590	2.00	<0.2	2.53	3	<10	180	0.6	2	3.64	<0.5	33	12	91	7.17	10
B-17-9 590-593	1.68	<0.2	2.15	2	<10	140	<0.5	<2	5.57	<0.5	29	10	75	6.13	10
B-17-10 153.5-154.5	1.06	2.3	2.74	6	<10	250	1.2	<2	3.16	1.4	60	9	115	6.73	10
B-17-10 154.5-157.5	1.24	6.7	0.66	54	10	290	5.7	<2	2.47	2.6	53	4	63	10.15	<10
B-17-10 157.5-159.5	1.32	0.7	0.69	6	10	210	3.6	<2	4.30	4.0	21	4	12	9.72	<10
B-17-10 159.5-161	0.94	0.8	0.74	5	10	90	3.2	<2	2.91	3.9	18	3	19	8.84	<10
B-17-10 161-163	1.32	2.3	0.55	6	10	680	2.6	<2	0.73	1.6	49	2	152	5.01	<10
B-17-10 163-164.5	0.86	2.4	0.46	7	10	60	1.5	<2	0.36	0.5	7	1	114	1.74	<10
B-17-10 164.5-166.5	1.22	3.2	0.47	9	10	30	1.8	<2	1.90	0.9	4	1	323	1.46	<10
B-17-10 166.5-168	1.14	13.4	0.72	30	10	90	4.0	<2	2.60	1.4	15	5	347	8.26	<10
B-17-10 168-170	1.06	4.4	2.03	5	10	80	3.4	<2	2.50	1.1	36	7	98	10.80	10



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Sample Description	ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41	
	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Tl ppm	U ppm	V ppm
B-17-4 726-728	1	0.45	10	2.71	948	<1	0.21	94	1580	11	0.04	<2	10	77	<20	<20	<20	<20
B-17-4 730-731	<1	0.30	10	2.59	807	<1	0.26	100	1490	54	0.02	<2	9	78	<20	<20	<20	<20
B-17-4 731-733	1	0.34	10	3.18	1165	1	0.02	65	1170	235	0.01	<2	10	90	<20	<20	<20	<20
B-17-4 733-735.5	1	0.38	10	2.71	1335	1	0.03	63	1440	338	0.02	<2	12	102	<20	<20	<20	<20
B-17-4 735.5-737.5	1	0.34	10	2.31	1315	1	0.02	71	1370	479	0.04	<2	12	85	<20	<20	<20	<20
B-17-4 737.5-738.5	<1	0.20	10	2.56	1245	<1	0.03	49	860	220	0.02	<2	6	72	<20	<20	<20	<20
B-17-4 738.5-740.5	<1	0.54	10	2.32	947	<1	0.11	103	1360	111	0.04	<2	11	89	<20	<20	<20	<20
B-17-4 749.5-751.5	1	0.35	10	2.59	665	<1	0.19	110	1420	11	0.04	<2	11	73	<20	<20	<20	<20
B-17-4 751.5-752.5	1	0.24	<10	3.95	1770	1	0.02	34	850	195	0.02	<2	5	97	<20	<20	<20	<20
B-17-4 772-774	<1	0.58	10	2.43	503	<1	0.17	113	1410	6	0.04	<2	7	113	<20	<20	<20	<20
B-17-4 774-776	1	0.40	10	2.01	1435	22	0.02	64	1360	688	0.04	6	13	65	<20	<20	<20	<20
B-17-4 776-778	1	0.34	<10	1.42	1395	53	0.01	53	1010	366	0.06	2	10	39	<20	<20	<20	<20
B-17-4 778-780	1	0.23	<10	2.54	1040	73	0.02	37	700	775	0.18	7	8	148	<20	<20	<20	<20
B-17-4 780-782	<1	0.39	10	2.22	1300	1	0.02	99	1360	1590	0.06	2	15	83	<20	<20	<20	<20
B-17-4 782-783	<1	0.66	10	2.31	695	<1	0.25	114	1410	232	0.04	<2	8	86	<20	<20	<20	<20
B-17-9 562.5-563.5	<1	0.73	10	1.18	773	1	0.22	32	800	102	0.06	<2	13	51	<20	<20	<20	<20
B-17-9 563.5-565	<1	0.27	10	1.26	1220	16	0.01	23	530	439	0.03	<2	17	35	<20	<20	<20	<20
B-17-9 565-567	<1	0.50	10	1.59	1485	6	0.02	30	850	216	0.02	<2	28	44	<20	<20	<20	<20
B-17-9 567-569	<1	0.47	10	1.22	1020	3	0.02	30	840	79	0.02	3	29	46	<20	<20	<20	<20
B-17-9 569.5-570.5	<1	0.28	10	0.93	1125	8	0.01	25	660	59	0.02	2	30	30	<20	<20	<20	<20
B-17-9 570.5-572.5	<1	0.33	10	1.33	1525	1	0.01	30	750	46	0.02	<2	24	30	<20	<20	<20	<20
B-17-9 572.5-574	1	0.40	10	1.04	1045	6	0.01	29	810	115	0.01	3	28	39	<20	<20	<20	<20
B-17-9 574-576	1	0.24	10	1.29	856	20	0.01	26	510	720	0.01	7	20	35	<20	<20	<20	<20
B-17-9 576-578	1	0.31	10	2.07	1030	13	0.01	25	850	799	0.01	3	30	65	<20	<20	<20	<20
B-17-9 578-579	1	0.16	<10	1.73	1625	27	0.01	12	390	905	0.01	141	5	36	<20	<20	<20	<20
B-17-9 579-580	<1	0.32	10	0.44	608	27	0.01	24	830	652	0.01	7	23	24	<20	<20	<20	<20
B-17-9 580-583	<1	0.37	10	1.11	714	13	0.02	32	770	426	0.01	<2	25	51	<20	<20	<20	<20
B-17-9 583-585	1	0.70	10	1.71	1260	1	0.10	37	720	82	0.04	<2	22	74	<20	<20	<20	<20
B-17-9 585-587	<1	0.63	10	1.63	1215	<1	0.19	38	740	8	0.01	<2	23	78	<20	<20	<20	<20
B-17-9 587-590	<1	0.71	10	1.99	879	<1	0.15	37	710	7	0.01	<2	18	149	<20	<20	<20	<20
B-17-9 590-593	<1	0.65	10	1.64	1200	<1	0.12	30	730	7	<0.01	<2	16	136	<20	<20	<20	<20
B-17-10 153.5-154.5	1	0.39	10	1.48	1425	<1	0.05	57	760	59	<0.01	<2	21	38	<20	<20	<20	<20
B-17-10 154.5-157.5	2	0.37	10	0.12	1550	2	0.01	40	780	376	<0.01	5	30	30	<20	<20	<20	<20
B-17-10 157.5-159.5	<1	0.47	10	0.14	1055	1	0.01	26	780	64	<0.01	<2	31	29	<20	<20	<20	<20
B-17-10 159.5-161	1	0.48	10	0.13	532	1	0.01	22	820	57	<0.01	2	30	21	<20	<20	<20	<20
B-17-10 161-163	<1	0.33	10	0.10	2360	2	0.01	18	760	54	<0.01	<2	15	19	<20	<20	<20	<20
B-17-10 163-164.5	<1	0.36	20	0.10	295	1	0.01	5	860	140	0.01	2	2	14	<20	<20	<20	<20
B-17-10 164.5-166.5	1	0.37	20	0.19	570	1	0.01	2	780	590	0.01	<2	1	16	<20	<20	<20	<20
B-17-10 166.5-168	<1	0.39	10	0.24	726	7	0.01	19	700	376	<0.01	2	20	22	<20	<20	<20	<20
B-17-10 168-170	<1	0.45	10	0.74	196	2	0.01	44	830	73	<0.01	<2	28	59	<20	<20	<20	<20



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Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	AG-OC46 Ag ppm
B-17-4 726-728	0.05	<10	<10	82	<10	112	
B-17-4 730-731	0.07	<10	<10	85	<10	125	
B-17-4 731-733	<0.01	<10	<10	44	<10	395	
B-17-4 733-735.5	<0.01	<10	<10	45	<10	655	
B-17-4 735.5-737.5	<0.01	<10	<10	40	<10	703	
B-17-4 737.5-738.5	<0.01	<10	<10	30	<10	499	
B-17-4 738.5-740.5	0.04	<10	<10	88	<10	302	
B-17-4 749.5-751.5	0.06	<10	<10	98	<10	104	
B-17-4 751.5-752.5	<0.01	<10	<10	20	<10	342	
B-17-4 772-774	0.09	<10	<10	92	<10	178	
B-17-4 774-776	<0.01	<10	<10	32	<10	1580	
B-17-4 776-778	<0.01	<10	<10	24	<10	1485	
B-17-4 778-780	<0.01	<10	10	20	<10	1300	
B-17-4 780-782	<0.01	<10	<10	41	<10	1320	
B-17-4 782-783	0.07	<10	<10	76	<10	390	
B-17-9 562.5-563.5	0.18	<10	<10	283	<10	168	
B-17-9 563.5-565	<0.01	<10	<10	75	<10	1265	
B-17-9 565-567	0.01	<10	<10	131	<10	1410	
B-17-9 567-569	0.01	<10	<10	136	<10	1455	
B-17-9 569.5-570.5	<0.01	<10	<10	81	<10	1355	
B-17-9 570.5-572.5	<0.01	<10	<10	96	<10	1680	
B-17-9 572.5-574	0.01	<10	<10	122	<10	1590	
B-17-9 574-576	<0.01	<10	<10	79	<10	1950	
B-17-9 576-578	0.01	<10	<10	122	<10	2570	
B-17-9 578-579	<0.01	<10	<10	48	<10	2380	179
B-17-9 579-580	<0.01	<10	<10	85	<10	2140	
B-17-9 580-583	0.01	<10	<10	124	<10	1440	
B-17-9 583-585	0.11	<10	<10	240	<10	263	
B-17-9 585-587	0.16	<10	<10	320	<10	80	
B-17-9 587-590	0.16	<10	<10	288	<10	65	
B-17-9 590-593	0.16	<10	<10	249	<10	58	
B-17-10 153.5-154.5	0.24	<10	<10	237	<10	2020	
B-17-10 154.5-157.5	0.01	<10	<10	163	<10	1855	
B-17-10 157.5-159.5	0.01	<10	<10	169	<10	1445	
B-17-10 159.5-161	0.01	<10	<10	151	<10	1220	
B-17-10 161-163	<0.01	<10	<10	64	<10	922	
B-17-10 163-164.5	<0.01	<10	<10	5	<10	343	
B-17-10 164.5-166.5	<0.01	<10	<10	4	<10	288	
B-17-10 166.5-168	0.01	<10	<10	97	<10	718	
B-17-10 168-170	0.03	<10	<10	212	<10	1870	



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Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm
B-17-10 170-172	1.26	<0.2	2.89	<2	<10	120	1.8	<2	6.39	0.5	43	10	97	5.90	10
B-17-10 172-174	1.36	2.2	1.41	10	10	50	4.0	<2	2.84	0.8	36	6	94	12.60	10
B-17-10 174-175.5	0.80	<0.2	2.32	<2	<10	40	0.8	3	4.68	<0.5	42	12	107	7.44	10



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Method Analyte Units LOR	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Th ppm
B-17-10 170-172	<1	0.51	10	1.36	1295	1	0.03	39	770	32	0.05	<2	22	125	<20
B-17-10 172-174	<1	0.41	10	1.23	1095	1	0.02	33	680	183	0.02	2	22	47	<20
B-17-10 174-175.5	1	0.27	10	1.67	1305	<1	0.04	39	810	7	0.04	<2	22	57	<20



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 Total # Pages: 3 (A - C)
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 Finalized Date: 10-SEP-2017
 Account: NORTHS

Project: Buckeye

CERTIFICATE OF ANALYSIS RE17185173

Method Analyte Units LOR	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Ag-OC46 Ag ppm
B- 17- 10 170- 172	0.11	<10	<10	258	<10	716	
B- 17- 10 172- 174	0.03	<10	<10	172	<10	1260	
B- 17- 10 174- 175.5	0.23	<10	<10	301	<10	330	



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CERTIFICATE OF ANALYSIS RE17185173

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Reno located at 4977 Energy Way, Reno, NV, USA.

CRU- 31
PUL- QC
SPL- 21

LOG- 22
WEI- 21

PUL- 31

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Ag- OG46
ME- ICP41
ME- OG46

Applies to Method:

Applies to Method: