Technical Report,
McNary Gold Mine Project,
Yavapai County, Arizona, USA

Prepared for:
Redline Resources Inc.
2041 Abbott Street
Kelowna, BC V1Y 1C4
Canada

Location:

Sections 19 and 30, Township 13 North, Range 3 West and Section1 and 12, Township 13 North, Range 4 West

Gila and Salt River Meridian

Yavapai County, Arizona
34.29° N, 112.37° W
UTM X 3,816,820 UTM Y 351,210
NAD 83; Zone 12

This Report Prepared by the following Qualified Person:

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Spring Creek, Nevada, USA

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Leander, Texas, USA

Effective Date: March 30, 2021

Important Notice

This report was prepared as a National Instrument 43-101 Technical Report in accordance with Form 43-101F1 for Redline Resources Inc., by Alan J. Morris, CPG, QP and Michael N. Feinstein CPG, QP. The quality of information, conclusions, and estimates contained herein is consistent with: 1.) information available at the time of preparation, 2.) data supplied by outside sources, and 3.) the assumptions, conditions, and qualifications set forth in this report. This report is intended for use by the property owners as they see fit and is approved for filing as a Technical Report with Canadian Securities Regulators.

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1.0 Summary

1.1 Introduction

Alan J. Morris, CPG, was retained to prepare a technical report on the early stage McNary Gold Mine Project (McNary Property or Property) with the assistance of Michael N. Feinstein, CPG. The purpose of the report is to summarize the location, general geology, and previous exploration on this property and its viability as a Property of Merit for continued exploration and for use as part of a Initial Public Offering or other transaction on the Canadian Stock Exchange (CSE-Toronto) or other venues This report is intended to comply with the requirements of National Instrument 43-101 (NI 43-101).

Six claims were staked by Redline Mining Corporation (a Nevada Corporation) on September 2, 2017 and then were quitclaimed to Redline Exploration LTD (a Nevada Corporation) on May 7, 2019. Redline Exploration LTD was purchased by Redline Resources Inc. (a British Columbia corporation) on May 8, 2019. Redline Exploration LTD remains a wholly owned subsidiary of Redline Resources Inc. In early September 2020, Redline staked an additional 25 claims covering prospective ground identified during the 1999 exploration efforts.

Exploration to date by Redline includes geologic reconnaissance, soil sampling, and prospect rock sampling along with opening, mapping, and limited sampling of the McNary Tunnel. All of the work is at an early stage; a mineral resource has not been identified on the property nor can be with level of information available.

1.2 Property Location and History

The property currently consists of thirty one unpatented lode claims in sections 19 and 30 of T13N R3W and sections 1 and 12, T13N, R4W, Gila and Salt River Base and Meridian (Figures 3 and 4). The property is on public lands, the west half on land managed by the U.S. Department of the Interior, Bureau of Land Management (BLM), and the east half on land administered by the U.S. Department of Agriculture, Forest Service (USFS) See Figures 2, 7, and 8.

The center of the property is about 34° 26’ 56.3” North Latitude, 112° 37’ 12.5” West Longitude: UTM X 3,816,820 UTM Y 351,210 NAD 83; Zone 12.

Other than speculated Spanish colonial era prospecting, the main influx of prospectors into the region was circa 1863 when placer miners expanding out from California and Nevada made minor placer strikes in the general Prescott - Jerome area. Initial lode mining began circa 1875 in the Prescott region. The arrival of the railroad in 1881 brought a new wave of prospecting, resulting in minor rushes and the development of multiple small mines (Lindgren,1926). The larger mines in the region included the volcanogenic massive sulfide (VMS) deposits at Jerome, Arizona about 40 miles (65 km) northeast of the property, the Copper Basin breccia pipe – porphyry copper camp about 2.5 km (1.5 miles) to the east, along with numerous smaller VMS, orogenic gold, and intrusive-related prospects and small mines in the area.

Copper Basin became a recognized mining district circa 1890; while production numbers are poorly recorded, the area produced about 4 million tonnes of copper between 1938 and 1961. Mining is documented at Copper Basin from 1890 through 1967. During much of this time, the Copper Basin mines were operated by Phelps-Dodge, now Freeport-McMorran (Christman, 1978).

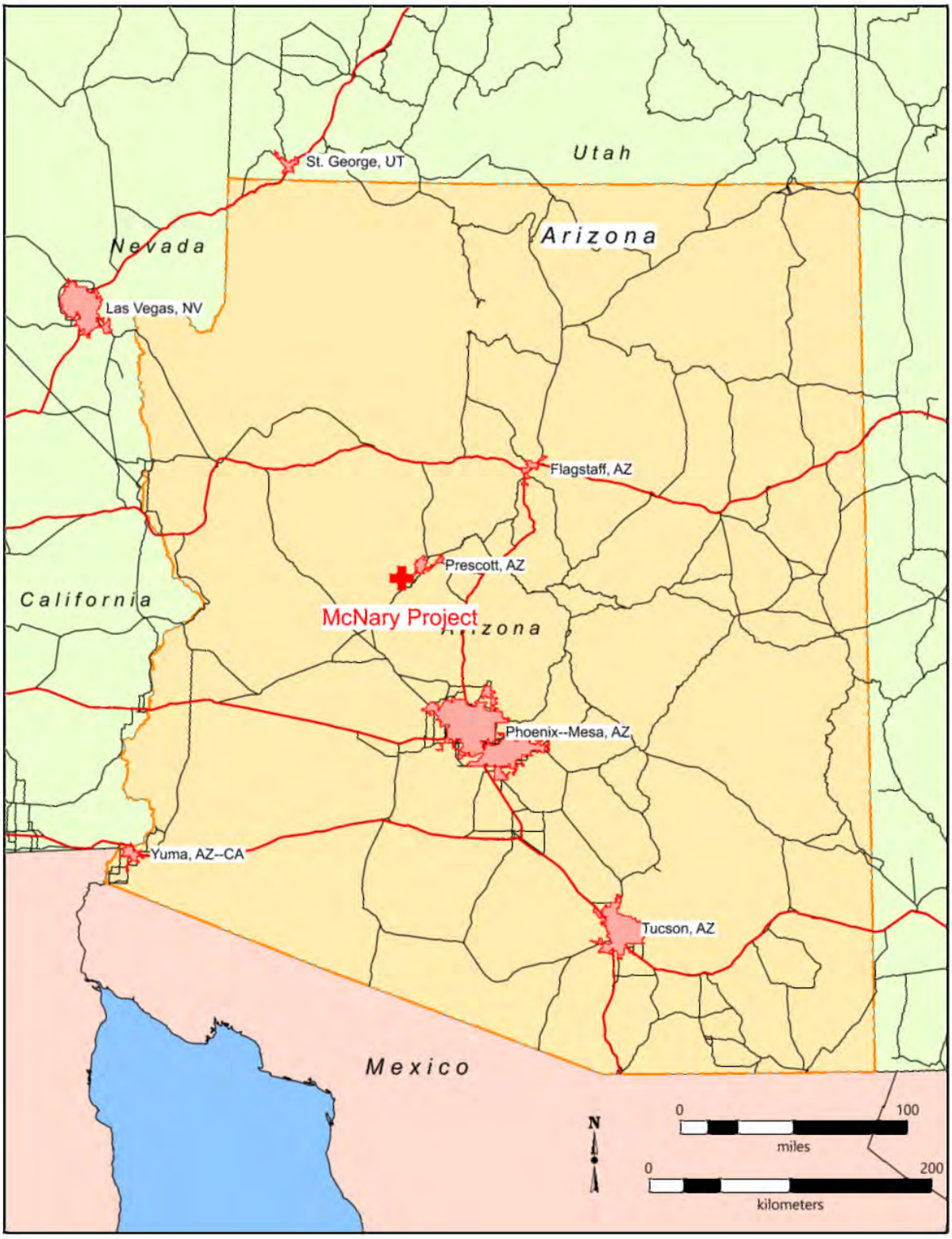

Figure 1. McNary Gold Mine Project: General Location Map

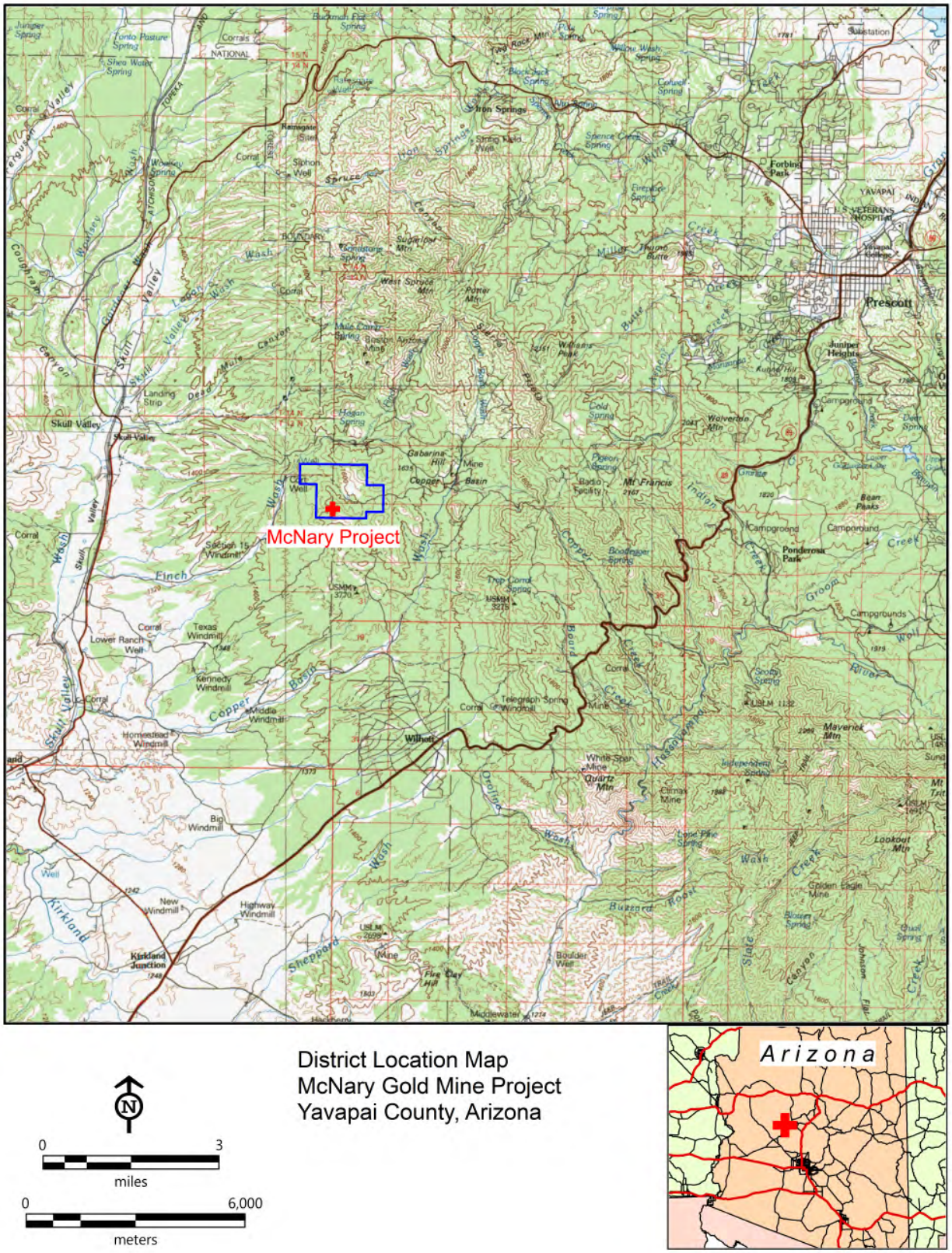

Figure 2. McNary Gold Mine Project: District Location Map

The McNary Mine (also known as the Pioneer Gold Mine) was discovered about 1889 and was worked until 1930 (Keays,1930). It is not clear what additional development or exploration work has been done on the property since the 1930's. Production values for one episode of mining and milling was reported by Keays (1930) and Anonymous, (1936) at about 1,600 ounces ($32,000 in value when gold was priced at $20.67 an ounce).

During the production period for the mine, an adit was driven to intercept the main McNary workings at what would be about the 200 level in the mine. Keays (1930) reported that the adit was not driven far enough to intersect the McNary workings and hit a zone of brecciation and alteration that carried about 0.25 opt (8.5 ppm) Au over an 80-foot width. This intercept is a significant exploration target now but was likely not considered profitable to mine at the time. The Keays report was the primary justification to reopen, map, and sample the adit in December of 2019. This work showed the report to be partially incorrect, as will be discussed in detail below.

The McNary Mine area was partially covered by a large claim block staked by Alliance Mining Corp. of Kamloops B.C. from 2009 to 2012 (Price, 2011).

1.3 Geology and Mineralization

The McNary Project is in a mountain range-sized block of Precambrian metamorphic rocks and related intrusives known as the Yavapai Formation. The sediments and volcanic rocks were laid down in a likely island arc environment at about 1800 Ma. It was later accreted to the North American craton about 1200 Ma (Shaw and Karlstrom,1999), based on age dates from unmetamorphosed granitic intrusions into the metasedimentary wedge.

These rocks were then covered by the Grand Canyon section sediments deposited on a comparatively quiescent continental margin. The next major event occurred during the late Cretaceous – early Tertiary Laramide Orogeny and related igneous events. During this time, a large multiphase pluton with a porphyry copper phase was emplaced into the region (Johnson and Lowell, 1961). Another smaller igneous phase emplaced dikes into the area about 15 Ma (Christman, 1978).

Tectonically, the region lies in a block of crystalline basement, essentially a metamorphic core complex, between the stable platform of the Colorado Plateau and Basin and Range extensional terrain to the south. Southern Arizona has seen extreme extension, with large detachment faults exposed at the surface.

Local geology at McNary is rather unique in that it consists almost entirely of intrusive rocks of various ages, making mapping challenging.

Known mineralization at McNary consists of a gold-bearing quartz-tourmaline vein with post- or syn-mineral brecciation. Mineralization appears to be a Precambrian event since the veins are only found in the circa 1200 Ma stocks (Johnson, 1955). Alteration associated with the vein is primarily fine-grained white mica. Gold values up to 41.9 ppm (1.2 troy ounces per ton-opt) have been obtained by Redline. The best sample collected by the author (Morris) was 38.4

ppm Au in the same area. For chip sampling in an area with likely coarse gold, this correlation is acceptable.

The gold is associated geochemically with silver, bismuth, tellurium and, to a lesser degree, copper and antimony. The veins have been strongly oxidized with associated acid leaching, so the true geochemical ratios are probably not reflected in the current sampling.

Mineralization appears to be of the orogenic gold type due to the tectonic setting of the host rocks, vein mineralogy, alteration type, and geochemistry.

1.4 Exploration

The property has apparently been inactive since the end of the historic mining in the 1930's. It can be assumed the property has seen occasional visits by exploration geologists since, especially during the various copper booms in the 1950's – 1970's, the massive sulfide exploration efforts in the late 1970's, and the various rounds of gold fever since 1980.

Alliance Gold flew a district scale airborne magnetic and time domain electromagnetic survey (VTEM) over several of their claim blocks and adjacent open ground in February of 2011 (Price, 2011) (Figures 10 and 1).

Michael Feinstein spent five days mapping and prospecting on the property in November of 2018 for Redline. During this effort he collected 18 rock chip samples from the old mine workings and outcrops. His comprehensive report on the property (Feinstein, 2019) documents his observations and interpretations.

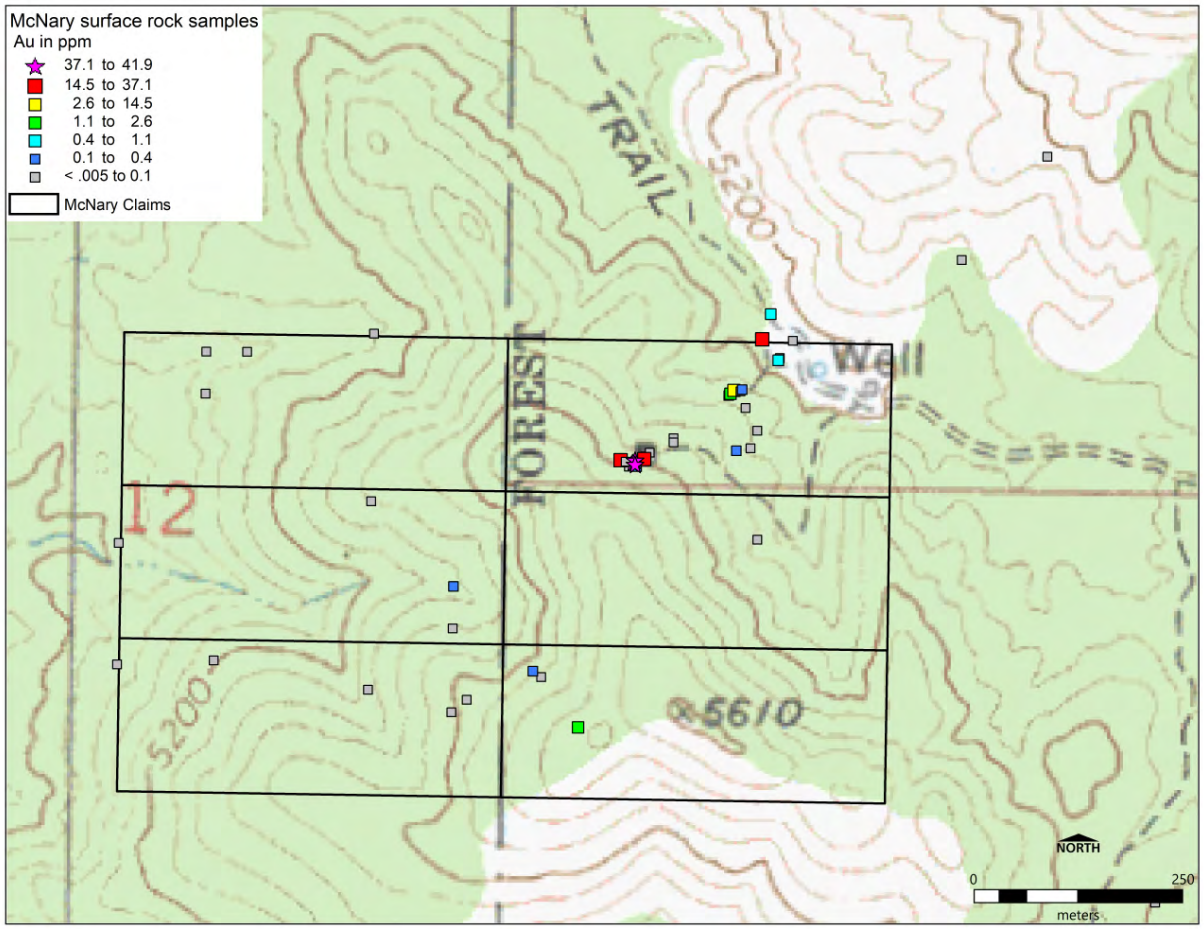

Figure 3. McNary Surface Rock samples: Gold in ppm

In December 2019, Redline opened, mapped, and sampled the lower adit along with conducting a soil geochemical exploration program over the entire property. To comply with the lowest level of permitting available on National Forests, work was limited to non-mechanical methods. The slough blocking the entrance to the lower adit was dug out by a 3-man crew over an 8-day period. Michael Feinstein mapped and sampled the adit between December 18 and 20, 2019. Mapping showed the adit to be about 225 meters long, taking an 80-degree bend about mid-way and ending intersecting the McNary shaft. Apparently, the adit was lengthened at some point after the 1930 Keays report. While zones of breccia were encountered, the best (of 51 samples) only carried 0.67 ppm Au (0.021 opt).

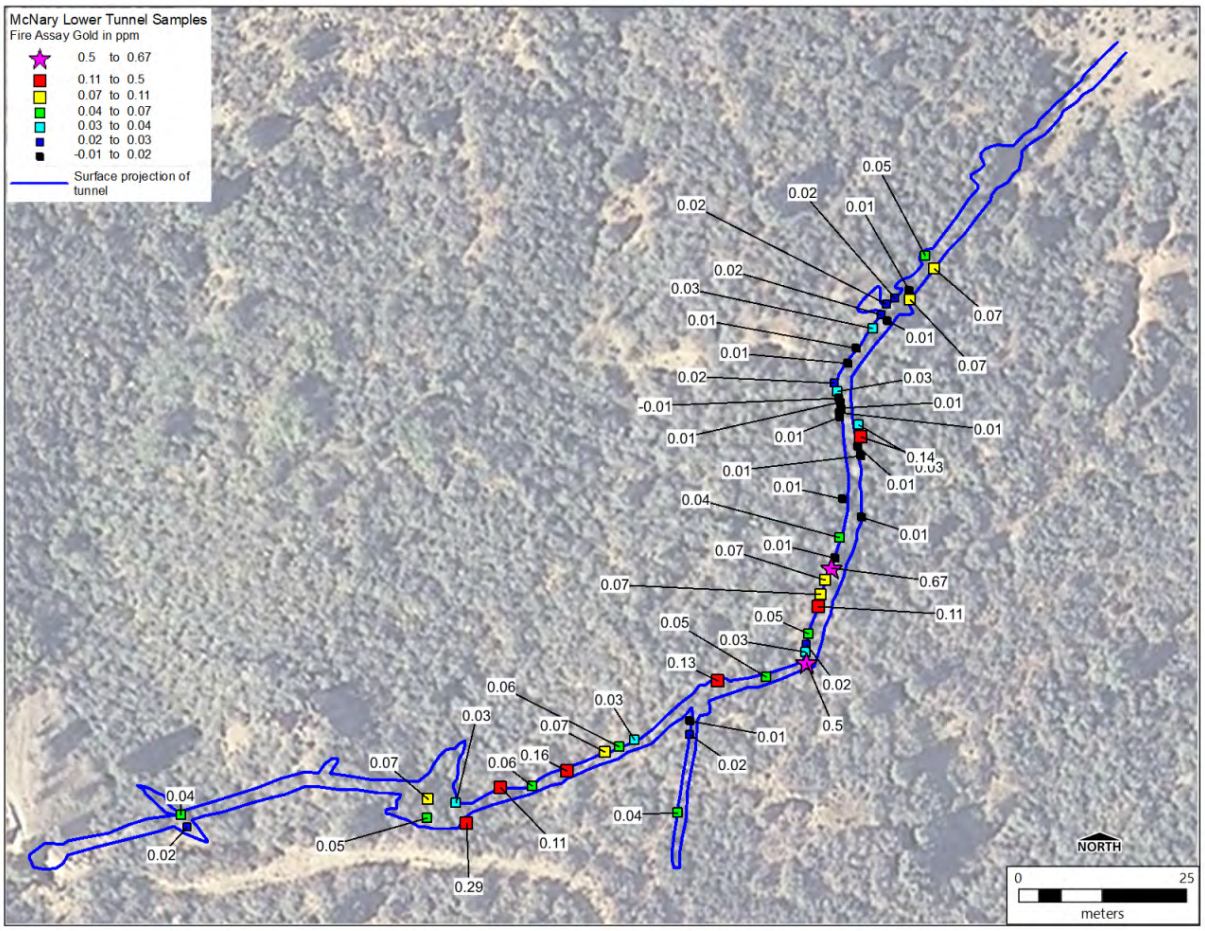

Figure 4. Lower Adit surface trace with gold assays

A total of 301 soil and 14 rock samples were collected by the project supervisor and the author (Morris) between December 10 and 15, 2019. Of the 301 sample sites, 195 in the core of the property were collected at 25-meter intervals along lines spaced 50 meters apart. The more distal portions of the property and adjacent open ground were sampled at 50-meter intervals on lines spaced 100 meters apart. Samples were offset by one half of the sample spacing along adjacent lines to catch narrow structures and alteration bands.

The soil sampling program showed several interesting trends of different elemental associations across the property and adjacent open ground. The primary association is gold-silver-bismuth-tellurium +/- copper and cobalt. This association is also observed in the highest-grade samples from the workings but not in the general population from the underground and surface rock samples. This assemblage is typical of mesothermal orogenic gold deposits and skarns (Robert et al, 2007). A second group of “low temperature” elements (As, Hg, Sb) appears to crosscut the first group along a different structural trend (see figures below).

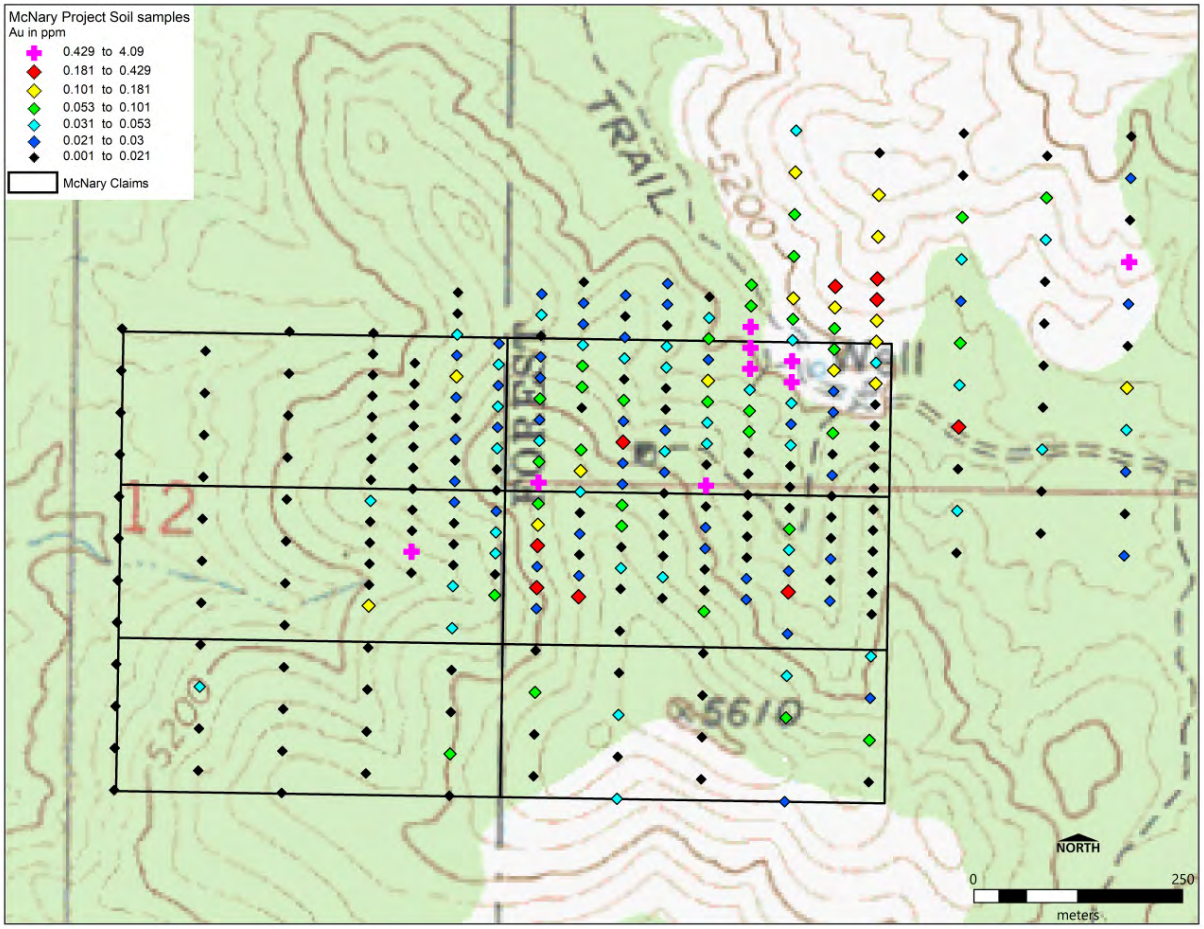

Figure 5. McNary 2019 Soil Survey: Gold in ppm

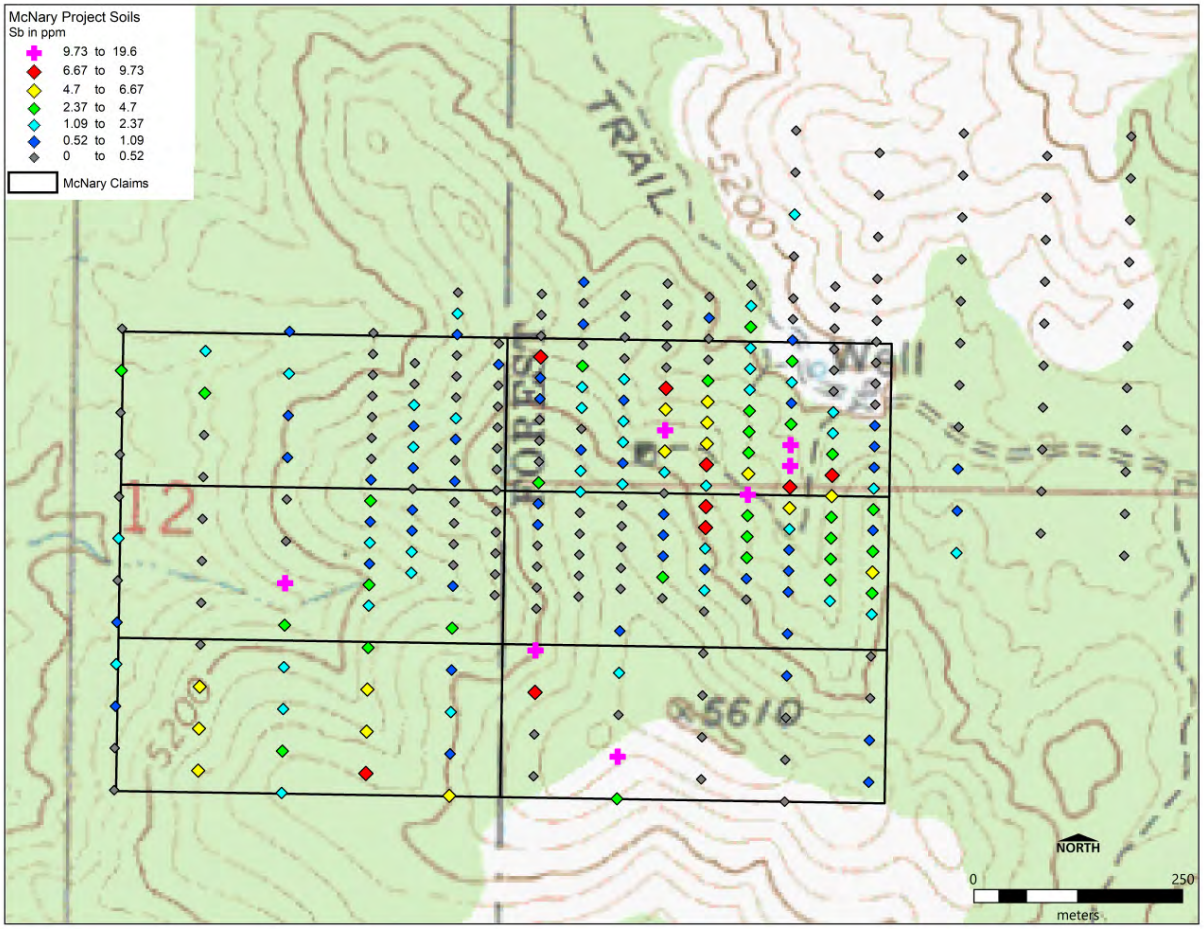

Figure 6. McNary 2019 Soil Survey: Antimony in ppm

1.5 Drilling

It is unknown if the property has been drilled in the modern era. There are not any obvious signs of drilling on the property.

1.6 Sample Preparation, Analysis, and Security

Sample procedures for the historic reports are unknown. Samples collected by the authors were handled in secure manner and prepared and analyzed by ALS Global, a multi-national independent geochemical laboratory with numerous certifications and accreditations. Sample preparation and analytical methods used by Redline meet or exceed current accepted industry practice. For details on the sampling, sample preparation, and analytical methods for the exploration samples collected by Redline, please refer to Section 11 of this report.

Rock samples were prepared by crushing the entire sample so that more than 70% of the sample passes a 2mm screen, a 250 gram sample is split from the sample and pulverized to better than 85% passing a 75 micron screen (-200 mesh). Depending on the sample batch, gold was determined by fire assay or aqua regia digestion and Inductively Coupled Plasma (ICP)- optical emission spectrometry (OES) or mass spectrometry (MS). Trace elements were

determined by aqua regia or four acid (HN03, HCl, HClO4, HF) digestion and combined ICP – OES and MS. Over limit samples for the traces were run using atomic absorption or other element specific method. Gold over limits were run using gravimetric finish fire assay methods.

Soil samples were dried and screened to minus -180 micron (-80 mesh). Samples were analyzed using the ALS AUME-TL43 method where 25 gram sample is leached in aqua regia followed by ICP- OES and MS for 51 elements. Detection level for gold using this method is 1 part per billion (ppb).

Quality control samples showed satisfactory results for the field duplicate pairs; standards and blanks were within acceptable ranges. Details of the quality control program are discussed in section 9.4.4 below.

A lack of outcrop, physical / chemical weathering, and dense brush on the north-facing slopes has hindered alteration mapping on the property. In an effort to glean additional alteration information, sample rejects from the soils, autumn 2019 surface rock samples, and the underground samples were scanned using a TerraSpec® Short Wave Infrared (SWIR) and Visible and Near Infrared (VNIR) by ALS in their Reno, Nevada laboratory (ALS method TRSPEC-20, INTERP-11). Results were interpreted by ALS using the AiSiris Program. The results returned by ALS include a broad range of mineralogical indices along with the dominant minerals in each sample. Interpretation of these results is ongoing. At this point, no single mineral is uniquely associated with gold values. However, different mineral assemblages do track geochemical groups. Kaolin appears to track the lower temperature As-Sb-Hg geochemical assemblage. Plans are to continue to work with these results with the goal of mapping alteration patterns on the property. A simplified table of the results of this analysis is included as Appendix 7.

1.7 Data Verification

All the recent data generated by Redline is in good condition. Analytical certificates match the electronic versions and values recorded in the provided database. Historic results are not verifiable; while they are considered to be generated by reliable authors, they should be used with caution.

Original source material was obtained digitally for the cited references in the public domain or was in the author's (Morris) library. The only confidential information examined was the geologic mapping, geochemical sampling, and report by Feinstein (2019).

The records from the December 2019 field work in the author's (Morris) possession are in digital format. Paper copies of the Certificates of Assay are available in the Redline office. The data is of good quality and the authors are satisfied it is adequate information on which to base their recommendations for additional work.

1.8 Mineral Processing and Metallurgical Testing

Not applicable.

1.9 Mineral Resource Estimate

Not applicable: work to date is insufficient to identify a mineral resource.

1.10 Conclusions and Recommendations

The McNary project is an early stage property that merits additional exploration. A phased exploration program of surface work and diamond core or reverse circulation (R/C) drilling is recommended to provide a more advanced assessment of the property.

The recommended work at McNary will enhance and likely expand the gold target zones. Recommendations for continued work at McNary are:

1. Undertake additional underground mapping and sampling to collect more continuous samples of the ribs and back. Conduct an underground survey to establish a better base map for more detailed geologic and structural mapping. It may also be helpful to wash the ribs and back to get a clearer look at the geology and structure. .
2. Conduct additional detailed geologic mapping and rock sampling as a follow-up to the soil sampling may help to better define drill targets. Of particular interest would be structural information to help determine the exact strike and dip (so far as can be determined in this environment) of the structures for drill targeting.
3. Conduct ground or Unmanned Aerial Vehicle (UVA) geophysics to further identify structural features. Ground methods would include Induced Polarization (IP), Controlled Source Audio Frequency Magnetotellurics (CSAMT), or ground or airborne magnetic surveys. A UAV magnetic survey may be the most cost-effective method to cover the property but would yield less information than IP or CSAMT.
4. Conduct 1,000 meters of core or reverse circulation drilling to test targets defined and refined by the geologic and geochemical work.

The estimated cost of this program for Phase I (additional geology and geophysics) is $60,000 (C$85,000) to $110,000 (C$ 156,000) depending on the geophysical method. Phase II drilling would cost about $272,000 for RC (C$ 385,000) or $430,000 for core (C$ 609,000). The low-end estimate for both phases (UAV magnetics and R/C drilling) would total about $330,000 (about $468,000 Canadian) while a program of CSAMT and core drilling would run about US$525,000 (about $745,000 Canadian). Approximately US$31,500 of the drilling budgets would be for reclamation bonds that would eventually be returned but are still needed up front.

2.0 Introduction

This report was prepared by Alan J. Morris CPG, QP and Michael N. Feinstein at the request of Redline Resources Inc. (Redline) for the purpose of compiling an overview of the previous exploration efforts in this district and specifically on the McNary property position. This report is intended to comply with the standards dictated by National Instrument 43-101 regarding the McNary Project located in Yavapai County, Arizona.

This report is not intended to define an economic conclusion upon which to make a mine development decision.

Alan J. Morris and Michael N. Feinstein understand Redline Resources Inc. will use this document for an Initial Public Offering on the Canadian Stock Exchange (CSE-Toronto) and for general reporting or informational purposes.

Alan J. Morris is a consulting exploration geologist with over 40 years of experience at all levels of mineral exploration and development for several commodities. He is a Certified Professional Geologist through AIPG, a Fellow with the Society of Economic Geologists, and a member of the Geological Society of Nevada. He provides his services through Ruby Mountain GIS in Spring Creek, Nevada.

Michael N. Feinstein is a consulting geologist with 15 years of experience in a variety of terrains and commodities. He is a Certified Professional Geologist through AIPG.

2.1 Purpose and Terms of Reference

This report is prepared using the industry accepted Canadian Institute of Mining, Metallurgy, and Petroleum (CIM) “Best Practices and Reporting Guidelines” for disclosing mineral exploration information, the Canadian Securities Administrators revised regulations in NI 43-101, Form 43-101F, (Standards of Disclosure for Mineral Projects) and Companion Policy 43-101CP and CIM definitions “Standards for Mineral Resources and Mineral Reserves” (December 11, 2005).

Alan J. Morris and Michael N. Feinstein are not associates or affiliates of Redline Resources Inc., and their fees for this Technical Report is not dependent in whole or in part on any prior or future engagement or understanding resulting from the conclusions of this report. The fee is in accordance with standard industry fees for work of this nature. Alan J. Morris and Michael N. Feinstein do not have any financial interest in Redline Resources Inc. or any affiliated company. Both authors are independent of the property, the vendor, and the issuer as defined in Section 1.5 of National Instrument 43-101.

2.2 Sources of Information

Much of the baseline information in this report was provided by Redline in the form of a geologic report authored by consultant Michael Feinstein (Feinstein, 2019). The original source data cited in the Feinstein report was located and verified by the author (Morris). Regional and

district geologic information was abstracted from the Feinstein report and additional public domain sources.

Historical reports appear to be based on factual data and the interpretations of their authors. None appear to have been modified to mislead the prudent reader. The author (Morris) does not know of any existing information in the public domain or developed by Redline Resources Inc. or the underlying vendor that has been intentionally omitted to mislead the reader about the viability of this project.

2.3 Qualified Persons

The Qualified Person responsible for this report is Alan J. Morris, a consulting geologist contracted by Redline Resources Inc.

2.4 Effective Date

The effective date of this report is March 30, 2021.

2.5 Field Involvement of Qualified Persons

The author (Morris) spent two days (May 14 and 15, 2019) examining the land tenure, reconnaissance of the geology, and collecting verification geochemical samples at McNary and the adjacent Boston Mine Property. The author (Morris) spent Dec 9 – 15, 2019 supervising and collecting soil samples and prospect rock samples on the McNary Mine Property.

Feinstein conducted reconnaissance mapping and sampling on the property in the fall of 2018 and prepared a comprehensive report in the spring of 2019. He accompanied Morris on his property examination in May 2019 and mapped and sampled the underground workings on the property in December 2019.

2.6 Contributors

There are no other contributors to the report.

2.7 Units of Measure

Units of measure in this report are imperial unless otherwise noted. Metric equivalents are given in parentheses following the English value where needed. Budget numbers and holding costs are given in US dollars. In some cases, expenditures are in Canadian dollars, these are noted in the text and designated with the symbol “$C” or “$Canadian”

Locations are in Longitude – Latitude degrees or UTM X, Y (meters) in NAD 83 Zone 12 projection.

2.7.1 Common Units

Above mean sea level	AMSL	Kilo (thousand)	k
Cubic Foot	feet3	Equal to or less than	≤
Cubic inch	in3	Micrometer (micron)	um
Cubic yard	yd3	Million Years Ago	Ma
Day	d	Milligram	mg
Degree	°	Troy ounces per short ton	oz/t
Degrees Centigrade	°C	Parts per billion	ppb
Degrees Fahrenheit	°F	Parts per million	ppm
Dollars (US)	$	Percent	%
Dollars (Canada)	$C	Pounds	lb.
Gallon	gal	Short ton (2,000lb)	st
Gallons per minute	gpm	Short ton (US)	t
Grams per tonne	g/t	Specific gravity	SG
Equal to or greater than	≥	Square foot	ft2
Hectare	ha	Yard	yd.
Hour	h	Year	yr.
Inch	”		

2.7.2 Metric Conversion Factors

Metric Conversion Factors (divided by)

Short tons to tonnes (1.10231)

Pounds to tonnes (2204.62)

Ounces (Troy) to tonnes (32150)

Ounces (Troy) to kilograms 32.150

Feet to meters (3.28084)

Ounces (Troy) to grams (0.03215)

Ounces (Troy)/short ton to grams/tonne (0.02917)

Acres to hectares (2.47105)

Miles to kilometers (0.62137)

2.7.3 Abbreviations

American Society for Testing and Materials	ASTM	Boron	B
		Bureau of Land Management	BLM
Arsenic	As	Bismuth	Bi
Aluminum	Al	Calcium	Ca
Antimony	Sb	Copper	Cu
Atomic Absorption Spectrometry	AAS	Diamond Drill Hole	DDH
Atomic Emission Spectrometry	AES	Fluorine	F

Global Positioning System	GPS	Plan of Operations	PoO
Gold	Au	Potassium	K
Gila and Salt River Base and Meridian	GSBM	Quality Assurance - Quality Control	Qa/Qc
Internal Rate of Return	IRR	Reverse Circulation	RC
Inductively Coupled Plasma	ICP	Selenium	Se
Lead	Pb	Silicon	Si
Magnesium	Mg	Silver	Ag
Manganese	Mn	Sodium	Na
Mass Spectrometry	MS	Tin	Sn
Metallic Screen Fire Assay	MSFA	Tungsten	W
Molybdenum	Mo	Universal Transverse Mercator	UTM
Mount Diablo Base and Meridian	MDB&M	United States Bureau of Mines	USBM
Mercury	Hg	United States Geological Survey	USGS
National Instrument 43-101	NI 43-101	United States Forest Service	USFS
Nearest Neighbor	NN	Uranium	U
Net Smelter Royalty	NSR	Zinc	Zn
Notice of Intent	NoI		

3.0 Reliance on Other Experts

The author (Morris) of this report did not consult with other experts concerning legal, political, environmental, or tax matters.

4.0 Property Description and Location

4.1 Location and Access

The property is in sections 19 and 30, Township 13 North, Range 3 West, and section 12, Township 13 North, Range 4 West, Gila and Salt River Base and Meridian (Figure 2). It is about 24.5 road miles (39.5 km) southwest of Prescott, Arizona, 128 miles (206 km) northeast of Phoenix, and about 278 miles (447 km) southeast of Las Vegas, Nevada. The center of the property is about latitude 34.29° N, longitude 112.37° W.

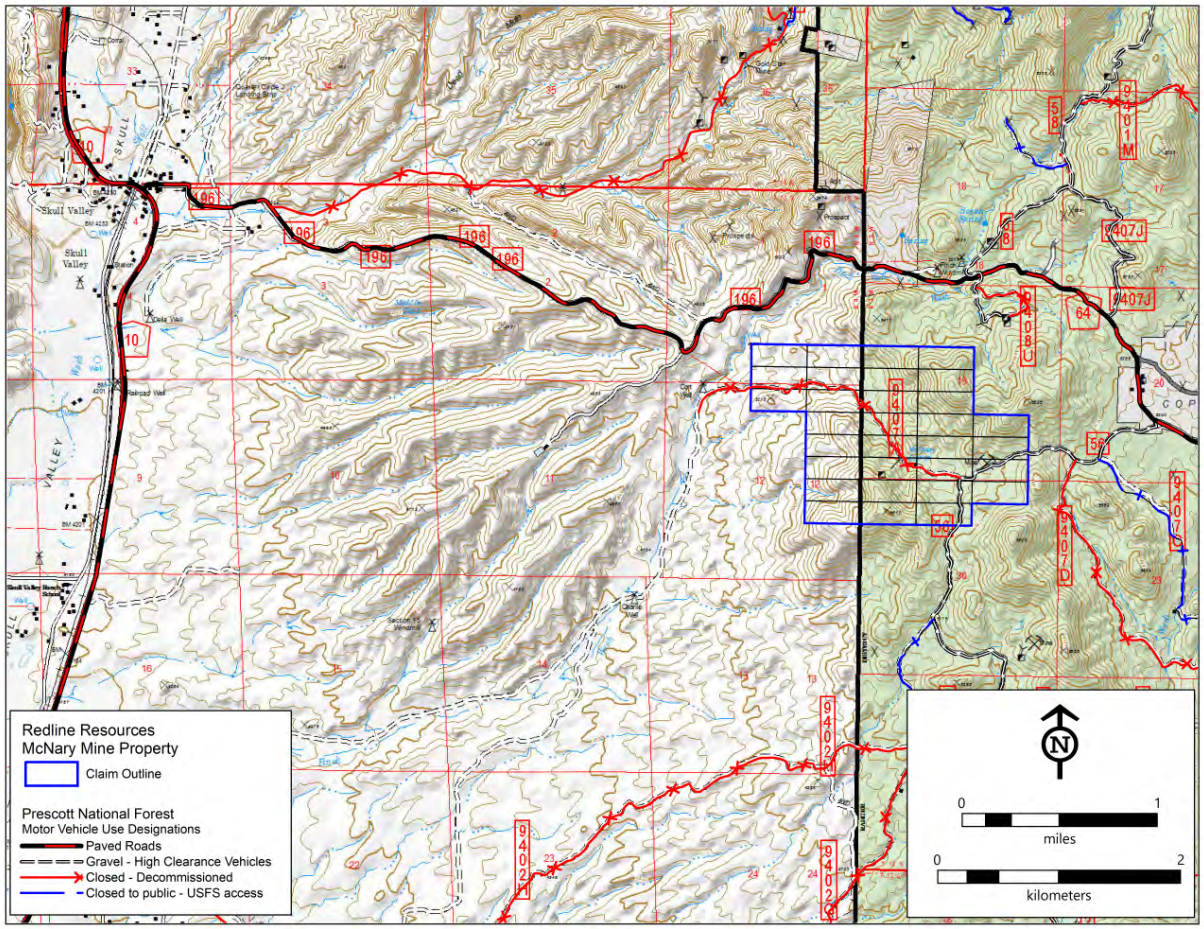

Figure 7. McNary Gold Mine Project Local Access

4.2 Property Position

The property consists of thirty one unpatented lode mining claims in Yavapai County, Arizona. The existing property covers 259 hectares (640 acres) in the Copper Basin District. The original six claims (MAC 1 – 6) were staked by Redline Mining Corporation on September 2, 2017. The claims were recorded in Yavapai County on November 9, 2017. The claims were staked by Redline Mining Corporation (a Nevada Corporation) and then were quitclaimed to Redline Exploration LTD (a Nevada Corporation) on May 7, 2019. Redline Exploration LTD was purchased by Redline Resources Inc. (a British Columbia corporation) on May 8, 2019. Redline Exploration LTD remains a wholly owned subsidiary of Redline Resources.

Redline staked an additional twenty five claims between September 2 and September 6, 2020 to cover potential extensions of the mineralization as identified in the 2019 exploration program. The core six claims are shown on several of the maps depicting results of the 2019 program. In

most cases, the current block would extend beyond the extent of the maps so the author decided to use the core claims to help identify the location of the exploration results.

The claim names and numbers are listed in Appendix 1.

4.2.1 Located Claims

The current property position consists of thirty one (31) unpatented lode mining claims.

4.2.2 Leased Properties

Redline Resources holds the McNary property outright with no underlying leases.

4.2.3 Fee land

There is no fee land within or adjacent to the McNary property position.

4.3 Property Agreements and Royalties

Redline Resources Inc. is currently the outright owner of the McNary Property with no underlying interests or royalties.

4.4 Environmental Liability

Several historic mine workings are found on the claim block. Some of these have been fenced and stabilized but several are open and may present a hazard to workers and the public. There is an unknown risk of ground or surface water contamination associated with the workings and their waste piles. The historic workings are normally not considered an environmental liability to the current claimant. However, if they pose a significant risk to recreationists and other members of the public, they should be fenced and posted with warning signs to avoid potential liability issues.

If the property proceeds to development, a remediation plan to contain any mine drainage from the historic workings would likely be required as a condition of any operating permits issued by the BLM, Forest Service, or Arizona state agencies.

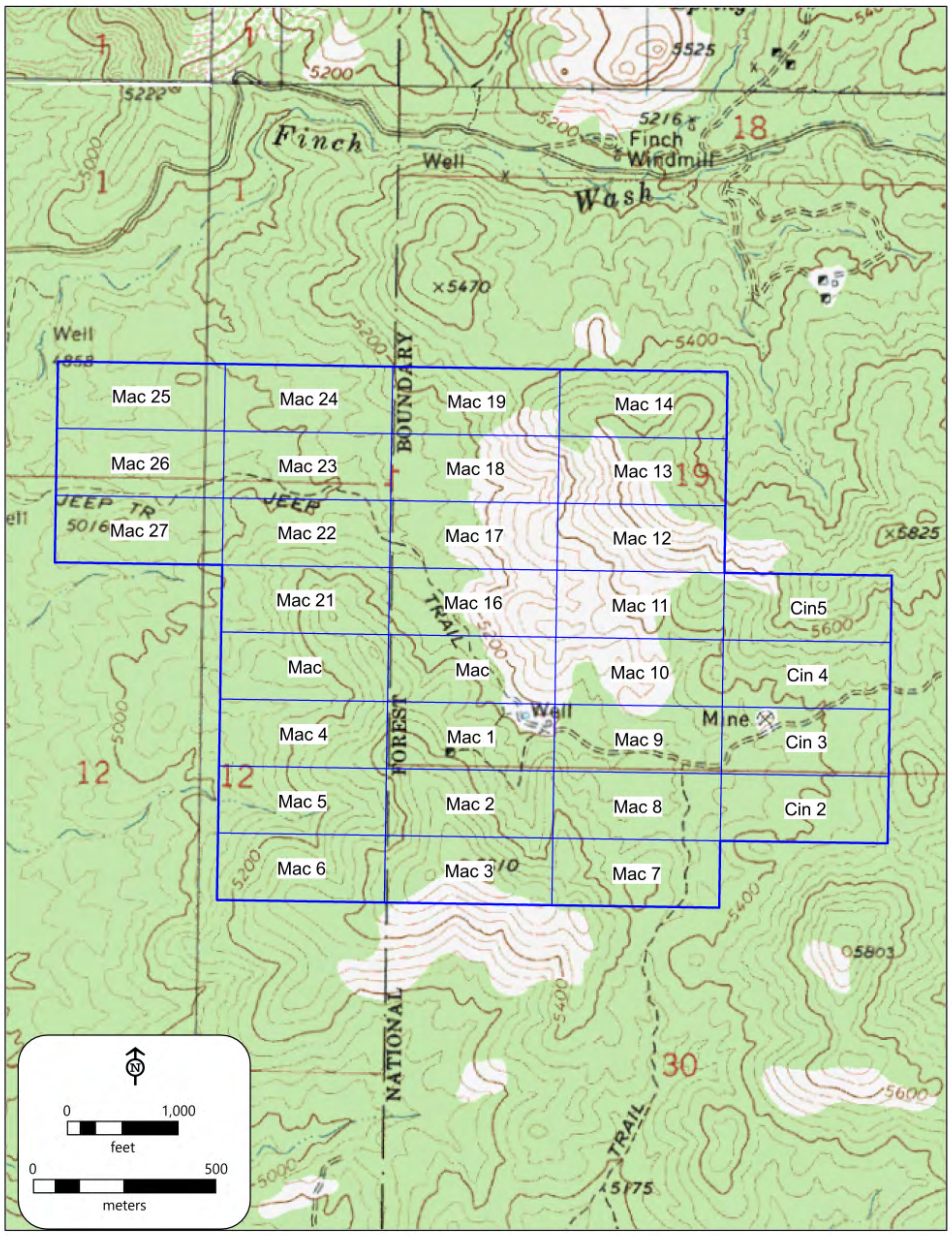

Figure 8. McNary Gold Mine Project: Property Position

4.5 Operational Permits and Jurisdictions

The project is located on open federal land managed by the Bureau of Land Management and the Prescott National Forest. Geologic mapping, soil and rock sampling, and other low-impact activities can be conducted without specific permits on a casual use basis. Any road or trail construction used for mechanized equipment, drilling, or trenching will require a permit.

With mixed jurisdictions, the agency where most of the work will be conducted will usually be the lead agency for the permits. The permitting process begins with a Plan of Operation (POO) filing with the Forest supervisor. All disturbance on National Forest land is conducted under a

POO. Approval of a POO will come with restrictions to protect biological, historical, or archeological resources. A performance bond is required to ensure the required reclamation work is done.

In November 2019 the Prescott National Forest approved a Notice of Intent (NOI) for Mining Exploration Operations for Redline to conduct low impact exploration including soil sampling, geophysical exploration, hand dug trenches, and opening the lower adit by non-mechanized means. The geochemical samplings and opening the adit were conducted under the guidelines of this permit. Permits of this type are generally in place for one year.

The Phase I recommended exploration program can be conducted under the existing NOI while the use of any excavation equipment, road repair, or drilling outlined in Phase II will require a POO permit from the USFS.

4.6 Requirements to Maintain the Claims in Good Standing

Annual holding costs for the current thirty-one claims are about $4805. BLM claim maintenance fees are $155 per year, per claim due by September 1 of each year. Unlike some other states, Arizona does not require annual filings or payments at the county level for the claims to remain valid. BLM rental payments have been paid for the 2020 – 2021 (September 1 – August 31) claim year.

4.7 Mineral Tenure

The property is held via unpatented mining claims under provisions of the Federal Mining Act of 1872, as amended, and regulations issued by the U.S. Department of the Interior, Bureau of Land Management. The claims do not expire if the maintenance fees are paid and documents are filed correctly. Although the USFS manages the surface, the BLM administers the mineral tenure.

4.8 Significant Risk Factors

The author (Morris) is not aware of any significant factors or risks that may affect access, title, or the right or ability to perform work on the property.

In other jurisdictions, the US Forest Service has taken a year or more to approve even simple POOs.

Since the access roads shown on the topographic maps of the area have been officially decommissioned by the Forest Service Motor Vehicle Use Plan, the area of the claims is officially “Roadless” and may trigger additional reclamation requirements or access limitations.

5.0 Accessibility, Climate, Physiography, Local Resources, and Infrastructure

Property access, climate, and physical setting are all favorable. The site is remote from large population centers but not so much that it has wilderness value. Normal weather and climate of the area would not hinder year-round access or interfere with exploration and mining activities.

5.1 Accessibility

The property is 24.5 road miles southwest of Prescott, Arizona and is currently accessible by passenger vehicles to about 1.5 miles (2.4 km) from the property. The remainder of the access trail is via ATV. By an alternate route, the property is about 12.5 miles (20 km) from Prescott, the last 1.5 miles on improved dirt roads.

To access the property from Prescott, travel west on Iron Springs road about 9.2 miles (14.8 km) to the intersection with County Road 10, turn left (south) for 9 miles (14.4 km) to the village of Skull Valley. In Skull Valley turn left (east) on Copper Basin Road (the pavement ends shortly after the turn off) and follow it about 6.2 miles (10 km) to a turn off to the McNary Mine Road (County Road 56) for 1.5 miles (2.4 km) to the designated end of the road. The remaining 0.3 miles (500 m) to the newly reopened lower adit is legally closed to motorized traffic but is being used informally by the public. Access to the McNary shaft and decline is about another 400 meters (.25 miles) along a switch-backed trail. County Road 56 can also be accessed directly from Prescott via the Copper Basin Road – County Highway 64.

Although a determined driver could reach the mine area in a four-wheel drive vehicle, it is far easier and less damaging to equipment to use an ATV from the county road. The property is moderately rugged with abundant brush and pinion pine; access other than existing dirt roads and trails is by foot.

The exploration access is via a trail from Cort Well, about 3.5 miles from Skull Valley along an ATV trail that crosses both BLM and Forest Service-administered land. The final .44 miles (.7 km) of the 1.3 mile (2.1 km) trail is on the National Forest; the road has been decommissioned and is legally closed to motorized traffic. The highways and improved gravel roads are sufficient for transportation of exploration-sized heavy equipment. Development logistics would use County Road 10 and adjacent power, natural gas, and fiber optic transmission lines in the highway and adjacent railroad corridor. The infrastructure corridor is about 6 miles (9.6 km) by road from the property. Four-wheel drive roads and ATV trails provide access to the main target areas, but these may be subject to special use conditions. About 0.5 miles (.8 km) of road reconstruction will be required for drilling with truck or skid-mounted equipment.

5.2 Climate and Physiography

The project area is located at an elevation of about 5,400 feet (1,645 meters); elevations on the property range from 5,000 to 5,610 feet (1,524 to 1,710 meters). The slopes are covered with thick scrub oak brush, Piñon pine and juniper trees, cactus, acacia, and other dry climate plants.

Climate records for Prescott (10.5 airline miles / 17 km northeast) and at a similar elevation (5,200 feet / 1,584 m) show an annual rainfall of 19.9 inches (50.5 cm) including 20.4 inches (52 cm) of snow (Fogarty and Staudenmaier, 2009). Most precipitation falls in July and August, associated with thunderstorms; during the other wet months of December through March, rain and snow are associated with more regional precipitation. Summer thunderstorms can produce strong but short duration precipitation, resulting in flash floods and mud slides.

Average high temperature for January is 52°F (11°C) and the average low is 24°F (-4.4°C). Summers are relatively mild by Arizona standards: average high temperature for July is 89°F (31.6°C). The record high temperature is 105°F (40°C) set July 17, 1925; the record low is minus 21°F (-29°C) set January 22, 1937 (Fogarty and Staudenmaier, 2009). Precipitation is highly variable from year to year. Overall, the climate is mild and would not hinder year-round exploration or mining operations at the McNary site.

5.3 Local Resources and Infrastructure

Other than a nearby county-maintained gravel access road, abandoned mining roads, and dirt trails, infrastructure on the property is negligible.

Since the location, size of the deposit, and the type of processing facility required are not yet known, the development footprint for a mine at the McNary property is also not known.

Drill rigs would likely need to come from the Tucson or Phoenix area or might be obtained from other locations in the western US.

Mining is a common occupation in the area with small to world class mines operating in northern Arizona over the past several decades. A well-trained and experienced mining workforce, available in Arizona, Nevada, and Utah, will flow to where it is needed.

6.0 History

6.1 Regional Mining History

Other than early undocumented work during the Spanish occupation of the area, the earliest known exploration and development was circa 1863 when placer miners expanding out from California made minor strikes in the general Prescott-Jerome area. Initial lode mining in the region began circa 1875. Arrival of the Southern Pacific and Atchison, Topeka, and Santa Fe railroads in 1881 also resulted in minor rushes and the development of multiple small mines (Lindgren,1926). The larger mines in the region included the volcanogenic massive sulfide (VMS) deposits at Jerome, Arizona about 40 miles (65 km) northeast of the property, the Copper Basin breccia pipe – porphyry copper camp about 2.5 km (1.5 miles) to the east, and numerous smaller VMS, orogenic gold, and intrusive-related prospects and small mines in the area.

Copper Basin became a recognized mining district circa 1890; while production numbers are poorly recorded, the area produced about 4 million tonnes of copper between 1938 and 1951. Mining is documented at Copper Basin from 1890 through 1967. Much of this time, the Copper

Basin mines were operated by Phelps-Dodge, now Freeport-McMorran (Christman, 1978). The USGS MRDS database lists a remaining in-situ resource of 228 million tonnes at 0.4 % Cu and 0.0145 % Mo. The property is currently in reclamation with no plans for additional development. Most of the production at Copper Basin was from breccia pipes rather than typical porphyry type mineralization.

6.2 Property History

The McNary Mine (also known as Pioneer Gold Mines) was discovered circa 1889 and worked primarily until 1930 (Keays,1930). It is not clear what additional development or exploration work has been done on the property since 1930. There are no documented attempts to calculate a resource in the modern sense of the term, nor is there sufficient information to attempt to do so.

Production values for one episode of mining and milling were estimated at 1,600 ounces ($32,000 in value when gold was priced at $20.67 an ounce) and is mostly hearsay reported by Keays (1930). Additional production is reported but recovery is unknown. Grades ranged from about 0.25 opt / 8.5 ppm ($5.00 per ton in 1930) to 2 to 4 opt / 68 to 137 ppm Au ($40 to $80 per ton in 1930) reported by Keays and in an unsigned letter dated January 16, 1936 (Anonymous, 1936). On the ground, it does not appear that any significant work has been done on the property for several decades.

Based on Keays, 1930 and the anonymous 1936 letter, notations in the USGS MRDS database, and ground observation, Feinstein (2019) drew the diagram shown in Figure 9. About 600 feet of exploration drifts have been reported; this agrees with the portals observed on the property and the 2019 mapping. Other than the open stopes in the upper part of the mine (the 25-foot level), it is not known how much material has been removed. It appears there was only selective mining of narrow veins by essentially pick and wheelbarrow methods.

According to the Keays, 1930 report and the Anonymous, 1936 letter, the lower drift apparently did not reach its goal of the vein at a deeper level but did intersect zones of mineralization before it was abandoned. The material on the lower dump confirms that it did cut altered and mineralized rock.

This material is mentioned in the Keays, 1930 report:

> *"The interesting and valuable feature of the property however is a mineralized shear zone about 80 feet wide which was cut in the crosscut tunnel. This is sheared granitic material uniformly mineralized with gold and silver and containing intrusive tongues of porphyry that no doubt were responsible for the mineralization. This 80 foot wide zone was sampled in 10 foot sections and gave an average of about $6 per ton in gold and silver. This mineralized condition had been scarcely noticed by the past owners who were high grade miners but could be worked at a very great profit under present conditions.*

The same zone shows on the surface but was not sampled owing to the amount of work involved in obtaining accurate surface samples. My judgment would be, however, that the surface outcrop would average $4-5 per ton."

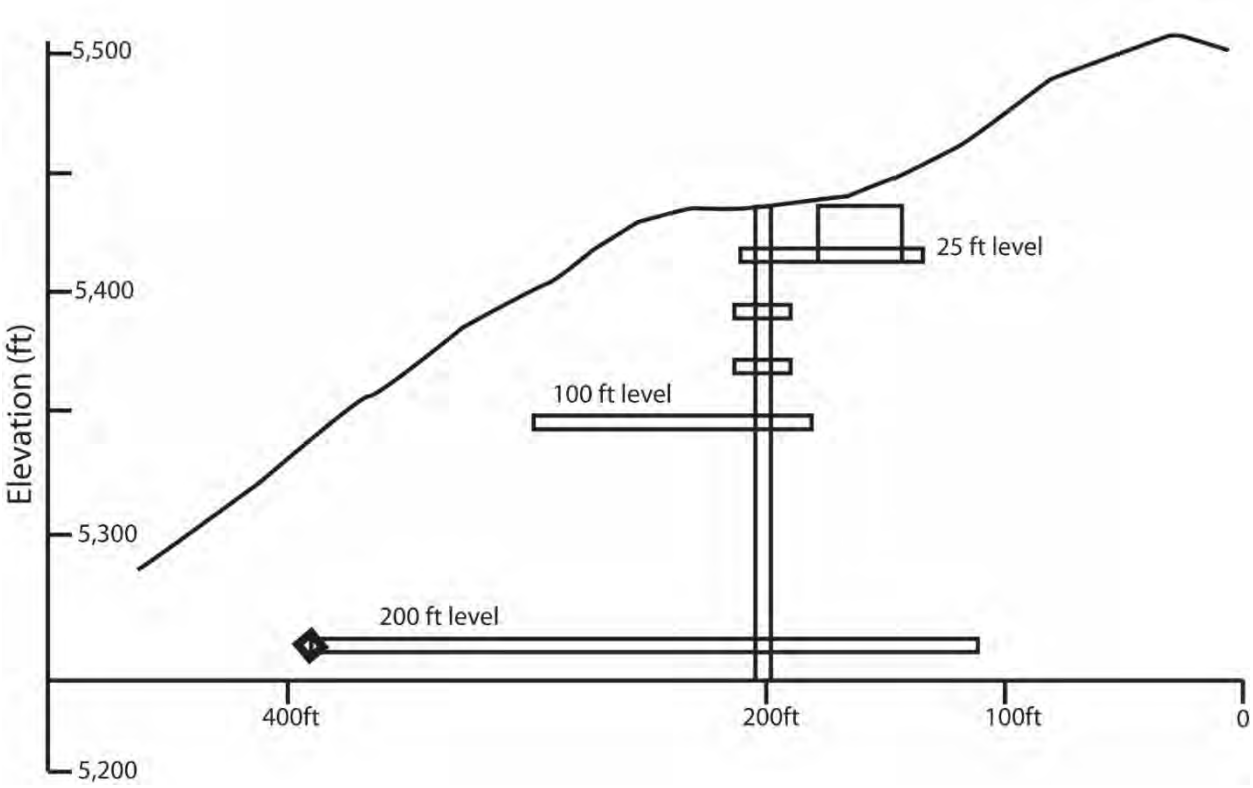

Figure 9. Schematic cross-section of the McNary mine. Created by Feinstein based on observations and historic reports. From Feinstein, 2019.

The historical descriptions of the lower adit of the McNary Mine have been somewhat superseded by the underground mapping and sampling conducted by Feinstein in December of 2019. These descriptions are left here as an indication as to why Redline implemented the work of hand digging out the adit and conducting the mapping and sampling further described in sections 9.2 and 9.4.2 below.

The current McNary mine area was part of a claim block held by Alliance Mining Corporation, a TSX Venture Exchange company in 2010 – 2012 (Price, 2011). Alliance contracted Geotech Ltd. of Aurora, Ontario to fly an airborne geophysical survey over the property consisting of time domain electromagnetics (VTEM) and a passive magnetic survey. The survey was flown on northwest – southeast lines (120° - 300° azimuth true north) spaced 200 meters apart. A total of 189 km of flight lines were completed in the McNary – Copper Basin area along with 18 line-km of orthogonal tie lines (030° true). The survey was flown using helicopter drape technique with a nominal flight altitude of 86 meters (280 feet) above ground level (AGL) placing the VTEM instrument at 51 meters (165 feet) and the magnetometer at 73 meters (240 feet) AGL. Flight speed was 80kph (50mph).

Published results from the survey are limited to those shown in the 2011 43-101 report by Price. Figures 10 and 11 show portions of the total magnetics and magnetic vertical gradient maps with the McNary property position in grey. Results from the magnetic survey suggest an intersection of southwest-northeast and east-west trending magnetic lows in the vicinity of the McNary shaft. These zones follow general regional trends observed in the magnetic data and likely represent structural zones of Laramide and post-Laramide age. Magnetic lows in granitic and intermediate igneous rocks can indicate magnetite-destructive alteration indicating fluid pathways and potential mineralization. The mineralized structure in the McNary workings is parallel to the magnetic low and careful work with the airborne survey or collection of new ground magnetic data may help map these structures under cover. However, given the extensive metamorphism and igneous activity in this area and known multiple fluid events, it is not possible to tie the magnetics to a particular episode or type of mineralization.

The VTEM maps are poorly reproduced in the Price report and are essentially unreadable in the McNary property area. There are hints of a moderately conductive zone parallel to the magnetic low discussed above but this cannot be confirmed at this time. It may be possible to recover the original digital data from Alliance or Aurora if it is needed for further processing and interpretation.

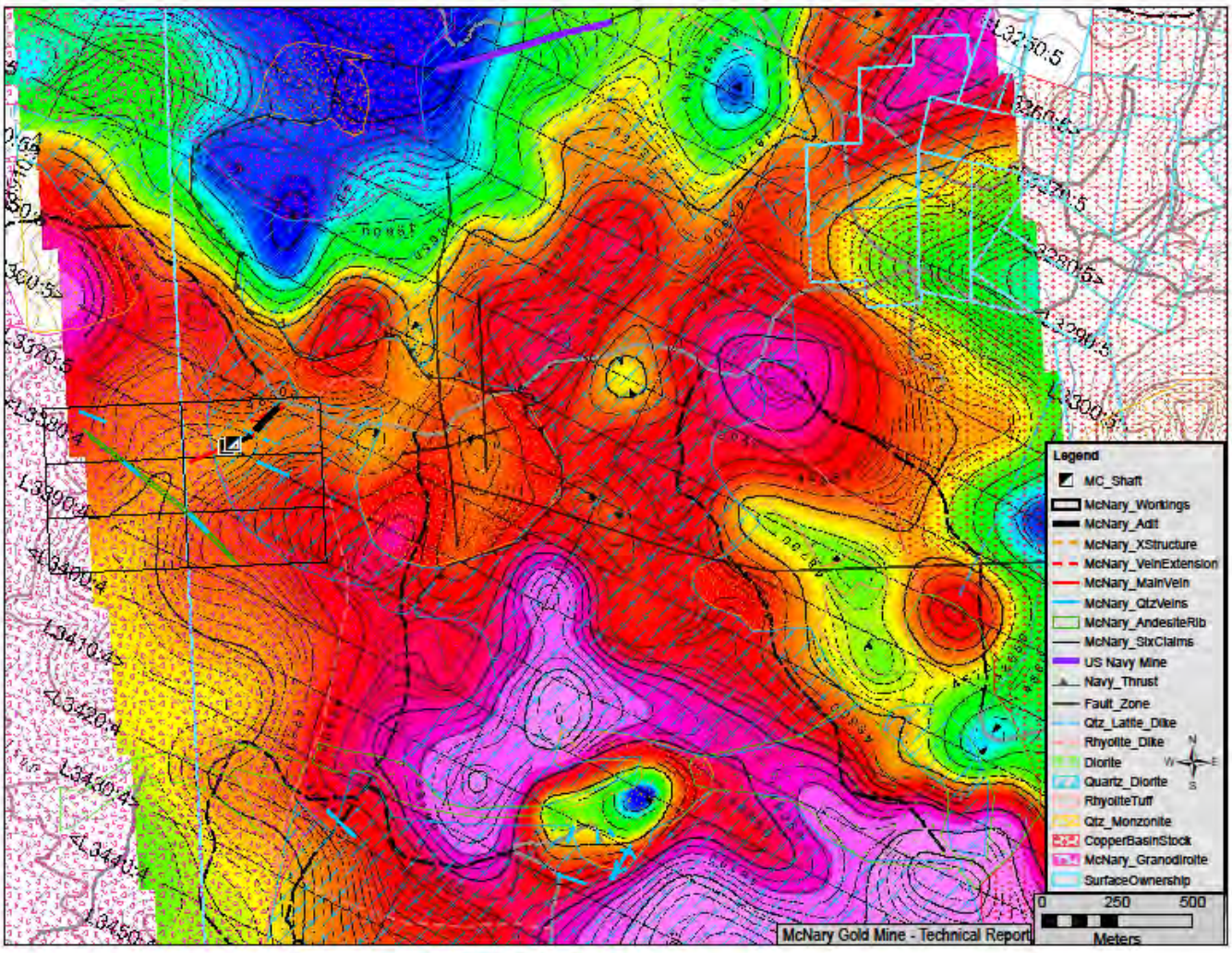

Figure 10. Total magnetic field map from Price, 2011 with geology and property position from Feinstein, 2019.

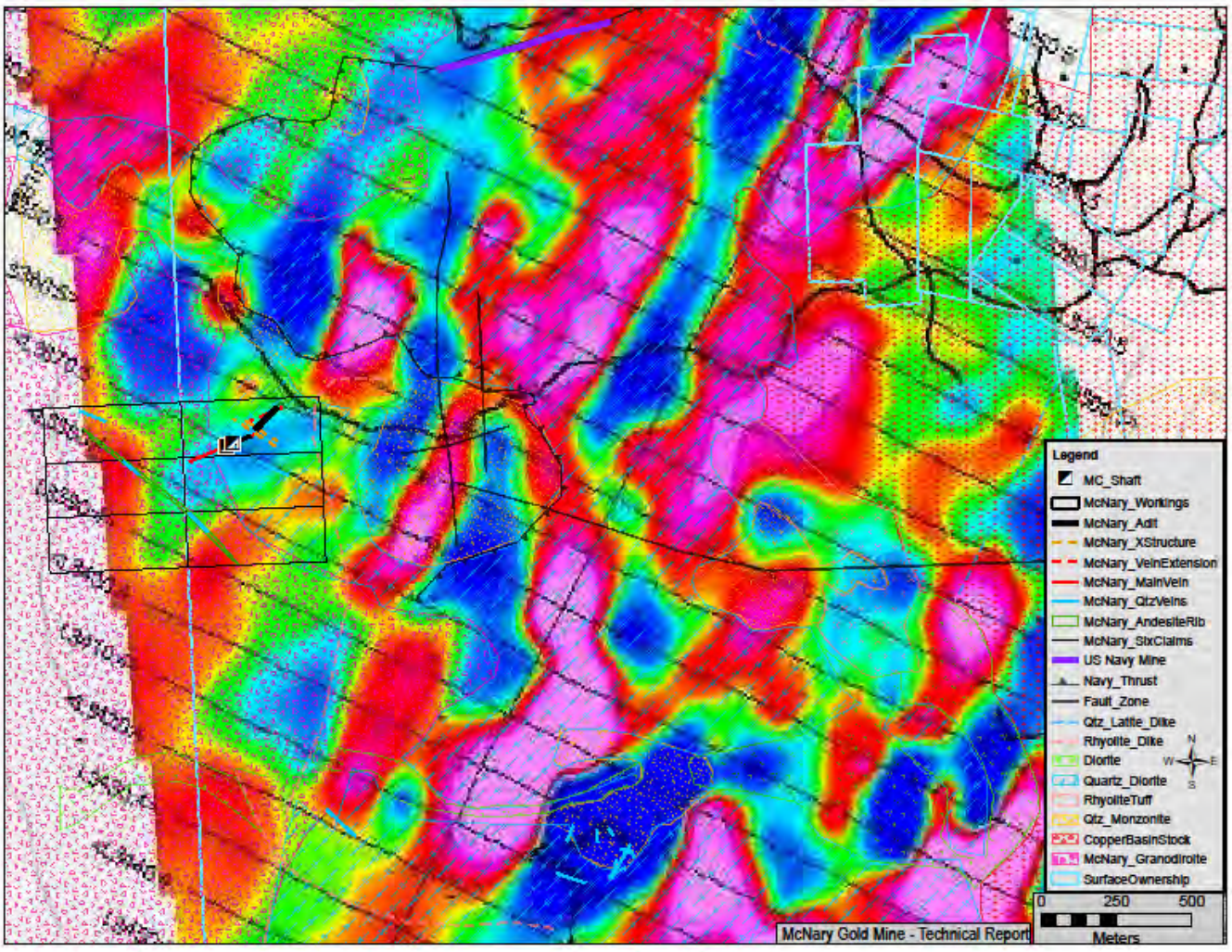

Figure 11. Magnetic vertical gradient from Price, 2011 with geology from Feinstein, 2019.

7.0 Geological Setting and Mineralization

7.1 Regional Geology

The oldest rocks in the area are part of the Yavapai Formation, a package of mafic to intermediate composition intrusives and flows mixed with volcaniclastic and detrital sediments of Precambrian age, and some felsic intrusive and eruptive material. The general history of these rocks is detailed in Shaw and Karlson (1999). The regional geologic map in figure 12 and interpreted cross sections in figure 13 are from the Shaw and Karlson report. The rocks themselves were likely deposited about 1800 Ma in an island arc / forearc basin environment. Likely correlative rocks in the Jerome area show ages of 1738+/-0.5 Ma (Lindberg, 2008). This package was metamorphosed to greenschist – lower amphibolite facies grade during a collision with the North American craton about 1400 to 1100 Ma; see Figure 12.

During the accretion event, several felsic plutonic bodies were generated and incorporated into the package. These bodies form most rocks exposed at the McNary project and seem to be correlative to the Kirkland Granite, dated at 1250 Ma (Shafiullah, 1980).

After the accretion of the Yavapai group to the continent, the rocks were buried beneath the sedimentary rocks of the Colorado Plateau. Several episodes of collision, relaxation, and quiescent deposition of sediments occurred in the area between Precambrian time and the present. These events are summarized in Table 1 using the age nomenclature of the Great Basin in Nevada; the same events impacted the geology of Arizona.

The Laramide Orogeny began about 75 Ma with plutonism and volcanism related to an easterly progressing magmatic arc. The event ended about 50 Ma with the rollback of the foundering of the Farallon plate and initial onset of rifting and volcanism and correlates with the formation of peraluminous two-mica, garnet-bearing granite resulting from the melting of crustal rocks and sediments (Shafiullah et al, 1980). The Laramide age intrusives in New Mexico and Arizona are strongly associated with porphyry copper mineralization with 27 of the 28 known deposits having age dates between 75 and 50 Ma (Shafiullah et al, 1980).

Finally a swarm of 14 Ma felsic to intermediate dikes and volcanics were emplaced which likely occur on the property and are observed in the Copper Basin area to the east (Christman, 1978).

Table 1. Summary of Tectonic events (from Dickinson, 2011)

Ma	Cordilleran Context	Great Basin
25-0	evolution of San Andreas transform system and associated Basin-Range block-faulting	crustal stretching of Great Basin and strike slip along the evolving Walker Lane-ECSZ belt
50-25	initiation of Basin and Range taphrogen during intra-arc and back-arc extension	seaward sweep of island arc magmatism and development of Nevadaplano paleochannels
125-50	interval of major Cordilleran batholiths with Franciscan subduction of Farallon plate	initiation of Sevier thrust belt and elevated Nevadaplano with back sweep of magmatism
175-125	accretion of intra-oceanic Mesozoic arcs and development of intra-orogen suture belt	backarc Luning-Fencemaker thrust system, backarc plutonism, and distal extension
250-175	initiation of trench and Cordilleran magmatic arc along activated continental margin	backarc Auld Lang Syne extensional basin and encroachment of interior sand dune fields from the east
325-250	final consolidation of exotic Paleozoic island arc assemblages along continental margin	development of Havallah and Oquirrh basins and emplacement of Golconda allochthon
375-325	initial accretion of exotic Paleozoic island arc assemblages and overthrust seafloor	emplacement of Roberts Mountains allochthon and development of Antler foreland basin
575-375	breakup of Rodinia (750–575 Ma) and evolution of passive continental margin	deposition of Cordilleran miogeocline (late Neoproterozoic to mid-Late Devonian)

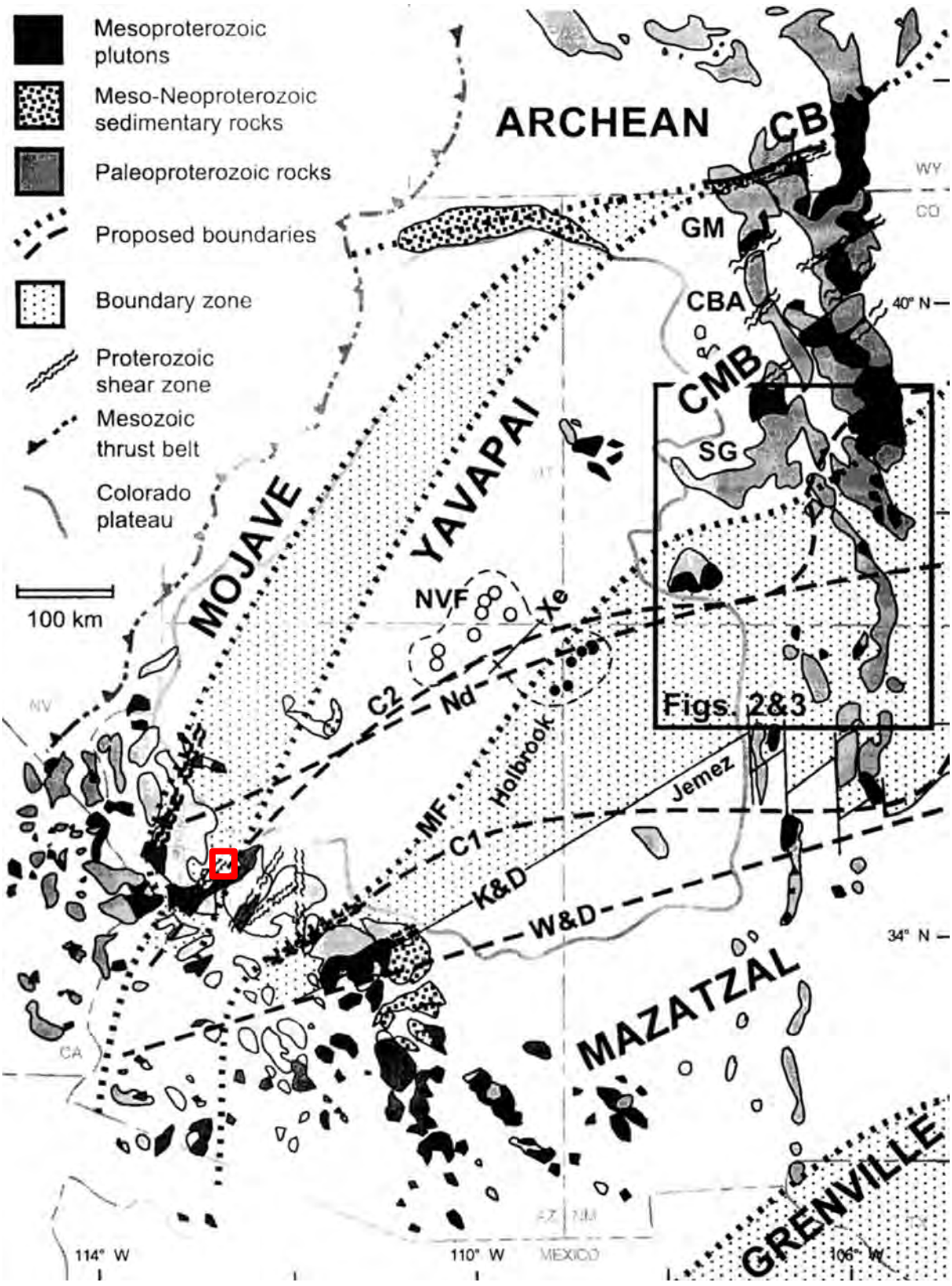

Figure 12. Precambrian basement complex in the four corners region, from Shaw and Karlstrom, 1999. McNary project area in red.

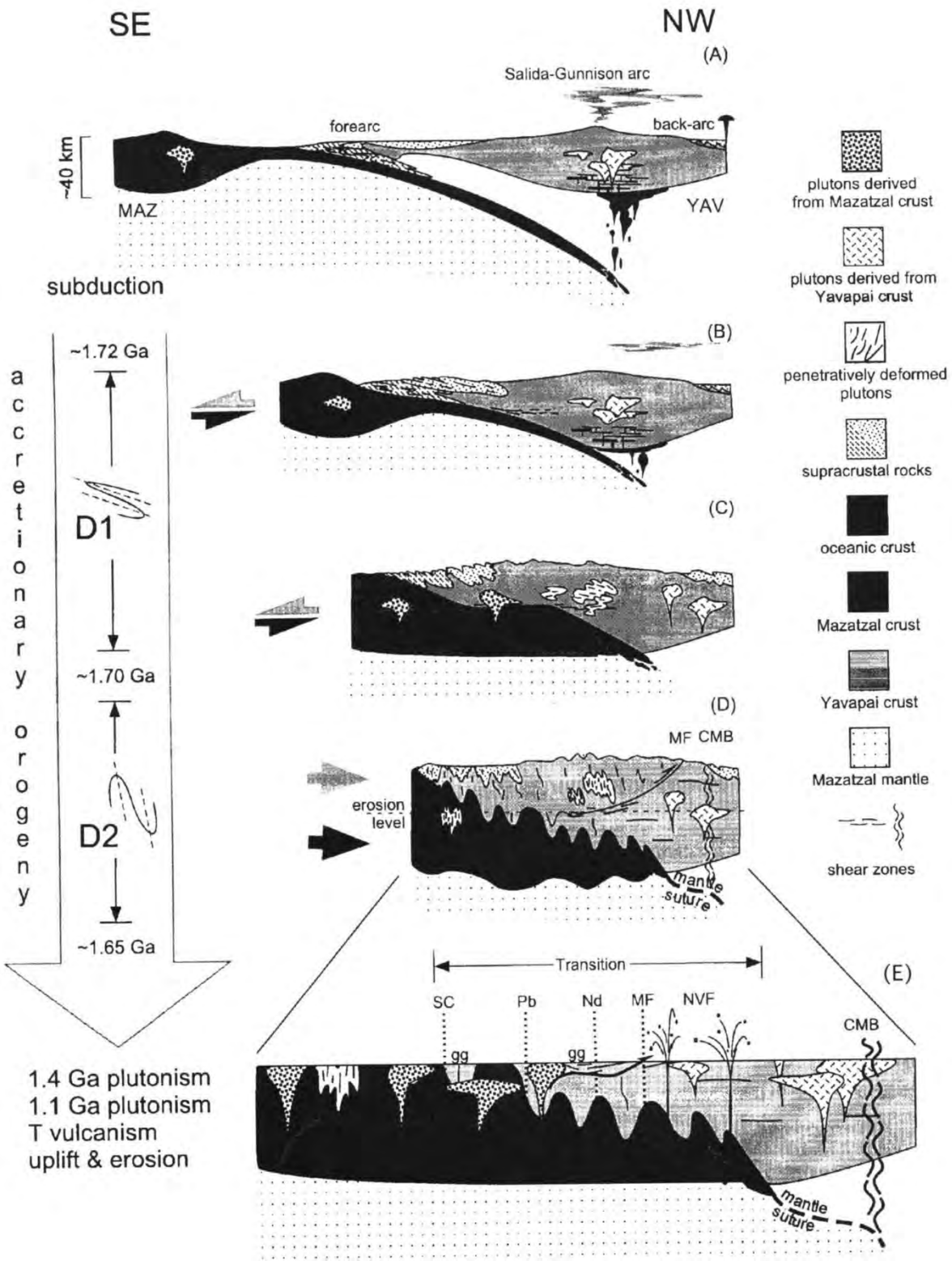

Figure 13. Generalized History of the Yavapai Metamorphic Terrane, from Shaw and Karlstrom, 1999.

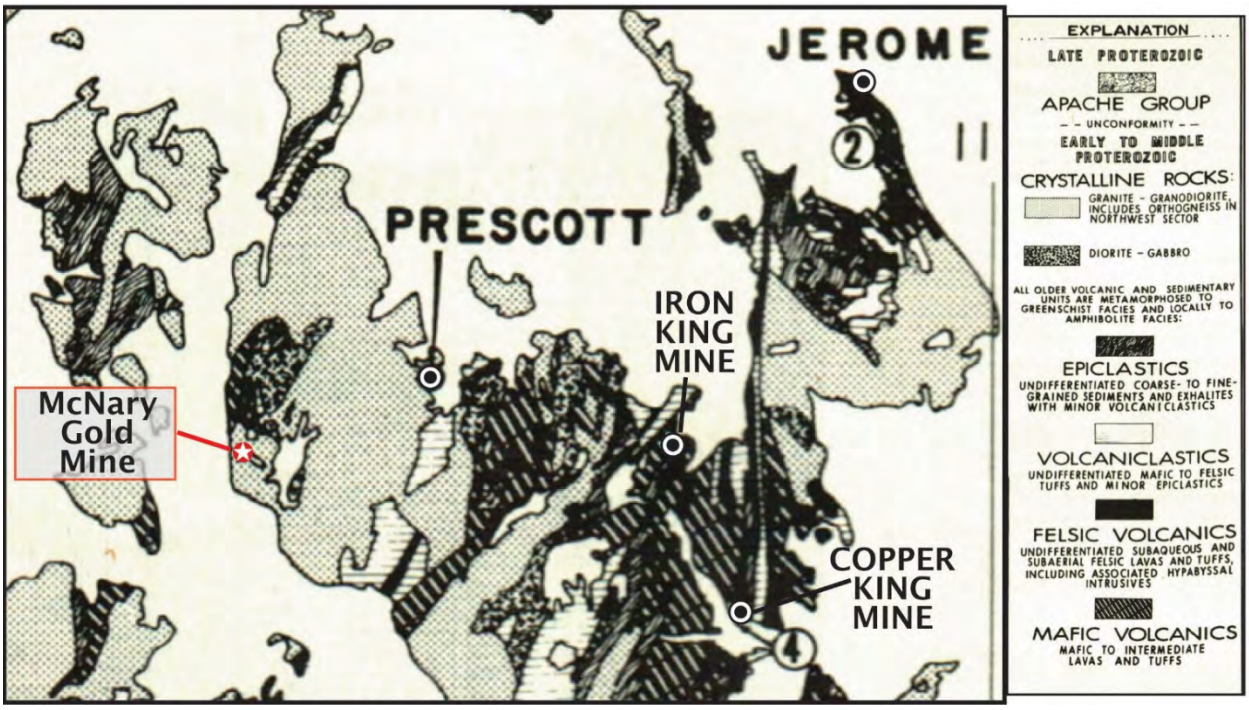

Figure 14. Generalized Regional Geology from Donelly, 1981, modified by Feinstein, 2019.

7.2 Tectonic Setting

The McNary Mine lies within a block of Precambrian metamorphic rocks wedged between the Colorado Plateau to the north and the Basin and Range extensional terrane to the south.

The west coast of North America has been the site of multiple episodes of subduction, back-arc spreading, and continental – island arc collisions. The major effects of this history are presented in figure 15 and detailed in Dickinson, 2011.Subduction of the Farallon plate in the Late Cretaceous - early Tertiary resulted in batholith formation to the west (Sierra Nevada Batholith and others) and the elevation of the central part of Nevada and northwest Arizona. As the plate motions changed, the Farallon plate foundered and sunk deeper into the mantle. This rollback resulted in volcanism sweeping from north to south and south to north from the edges of the plate. Volcanic outbreaks started about 50 Ma on the fringes and ended in southern Nevada about 10 Ma (Dickinson, 2011).

The Farallon plate detachment and roll back is considered the primary driver for the volcanism until about 10 Ma After that time, the tectonic framework for the volcanism is less well understood. The source of the very young (<2,000 year old) basaltic volcanism in the region are thought to be deep crustal features associated with the on-going east-west extension and the hinterland of the San Andres system tapping relatively shallow mantle rocks.

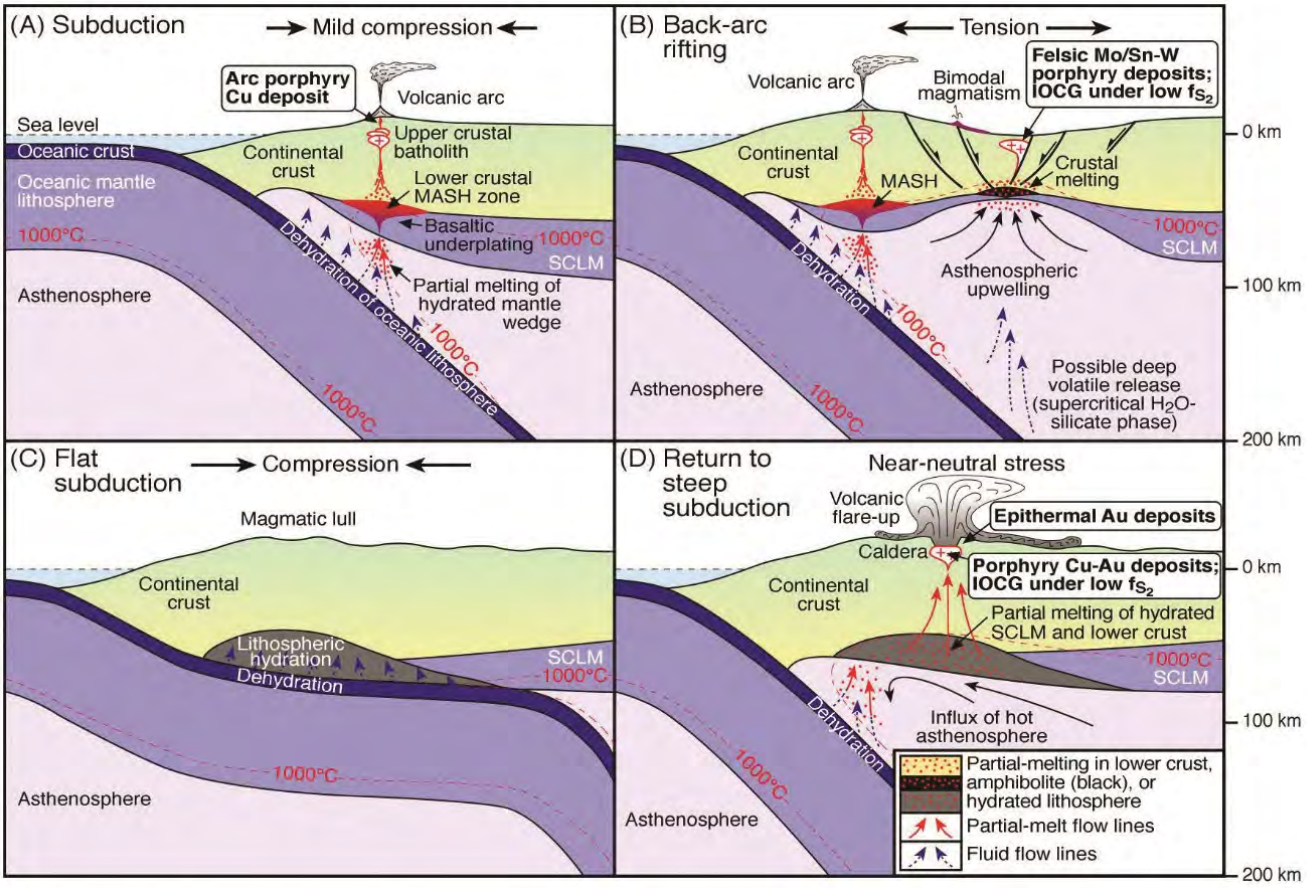

Figure 15. Western Arizona - Nevada general tectonic setting - from Richards and Mumin, 2013

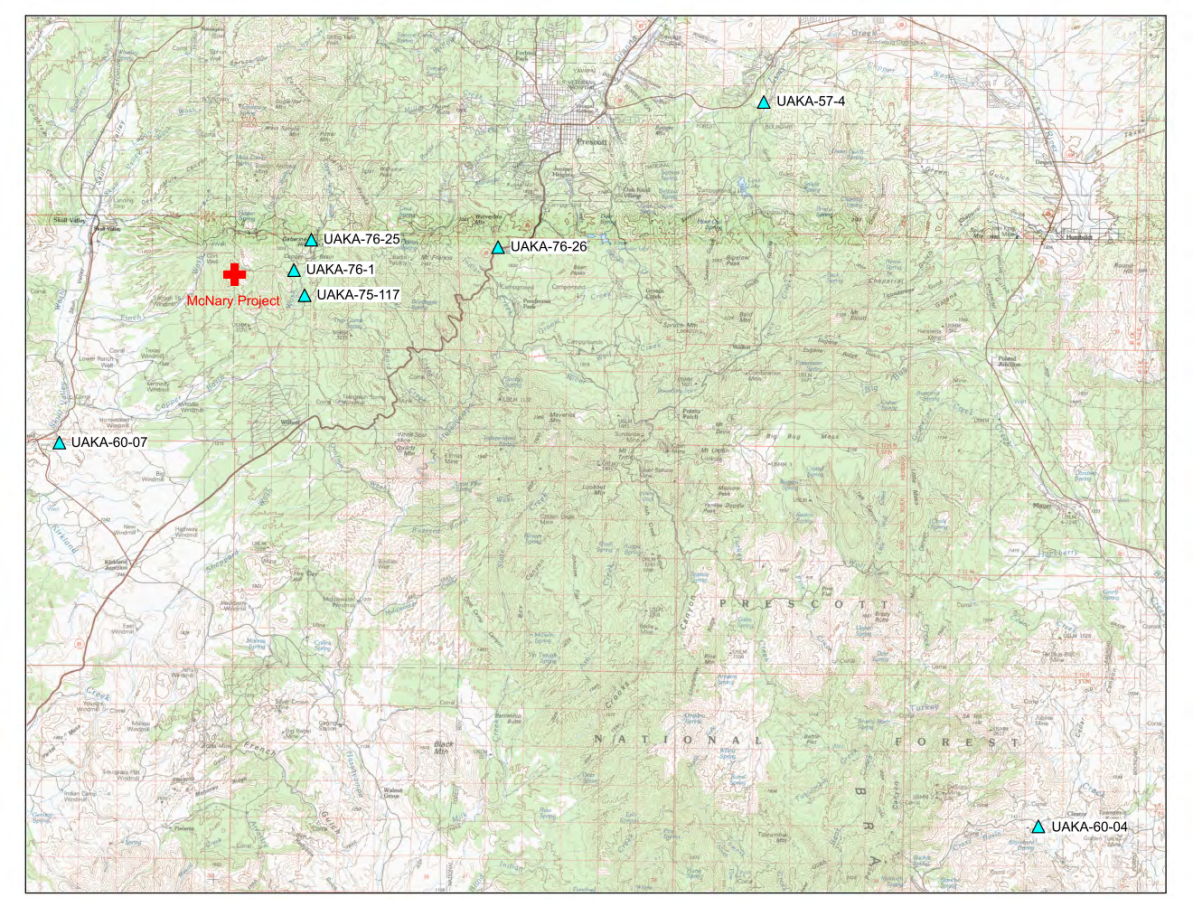

Figure 16. Regional Age Date Locations

Table 2. Regional Age Dates compiled from Christman, 1978 and Shafiqullah et al, 1980.

Sample ID	Latitude	Longitude	Age in Ma	Rock Type
UAKA-75-117	34.475	-112.588	75.5	border facies granodiorite
UAKA-76-1	34.484	-112.593	72.8	younger quartz latite
UAKA-76-25	34.496	-112.585	72.6	granodiorite quartz monzonite
UAKA-76-26	34.494	-112.498	14.9	rhyolite
UAKA-60-04	34.275	-112.245	1500	muscovite, pegmatite vein
UAKA-60-07	34.417	-112.700	1250	Kirkland granite
UAKA-57-06	34.603	-112.414	1110	granite dells
UAKA-57-4	34.551	-112.376	766	Yavapai Schist- partial reset

7.3 District and Property Geology

The district geology is presented by Johnson and Lowell, 1961 in Figure 17. Feinstein (2019) produced a sketch geologic map of the property which was integrated with the previous mapping to show smaller scale geologic features (Figure 18). The only other detailed work in the district is an unpublished thesis by Christman, 1978 who did not produce a new surface

geology map but did contribute several sub-surface geologic and alteration maps based on drilling, along with age dates for the major intrusive bodies (figure 16 and table 2.

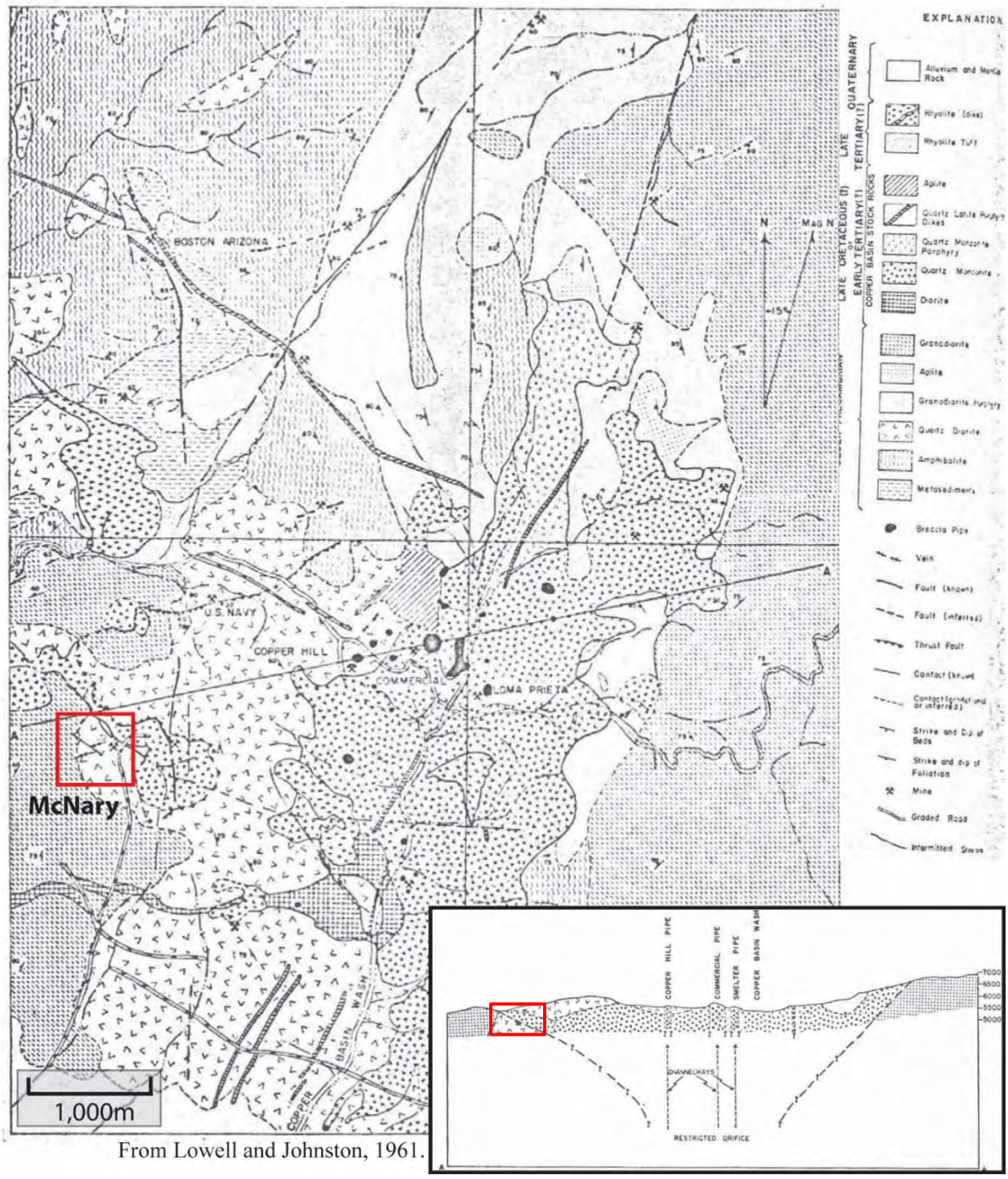

Figure 17. Copper Basin Geologic Map by Lowell and Johnson (1961)

Lithology

The host rocks in the McNary project area are primarily quartz diorite and granodiorite of presumed Precambrian age intruded into the Yavapai Metamorphic Terrane. The timing of the intrusives appears to be pre- to syn- metamorphism but likely postdate lithification of the sediments. Ages, as discussed above, are probably in the range of 1800 Ma for the deposition of the volcano-sedimentary package and circa 1200 Ma for the felsic intrusives.

Both the stocks and the sedimentary rocks show greenschist grade metamorphism with affiliated grain alignment foliation. Metamorphic Rocks

The petrographic descriptions presented below are taken from the Feinstein, 2019 report based on the original Johnson, 1955 unpublished dissertation and the published Johnson and Lowell, 1961 paper. Since the Precambrian intrusives have undergone various degrees of metamorphism and this characteristic is the primary mapping discriminate Johnson (1955) used to identify the Laramide vs. the Precambrian intrusives, these rocks are included in the metamorphic rock discussion.

Quartz Diorite -

The Precambrian quartz diorite is represented by a large mass in the southwest portion of the area and by many smaller bodies in the northwest quadrant. The central parts of the larger masses are relatively uniform in texture and composition, but the contact zones, especially those parallel to regional foliation, are contaminated. Contacts with the amphibolite unit are interfingering and transitional in places. Some of the smaller bodies in the vicinity of the Boston-Arizona mine have relatively sharp contacts which include intrusive breccias. The contacts with the granodiorite unit were difficult to determine in some areas because of the metamorphic effects and poor exposures.

The quartz diorite is relatively resistant to erosion and forms high ridges west of the central part of the district. The steep slopes are covered with a coarse, salt and pepper patterned, sandy soil. Locally, joint blocks weather into angular to sub-rounded boulders which may or may not be in place. Where not affected by thermal metamorphism the outcrops are a medium gray to light brown, when viewed from a distance and show mottling by dark minerals on close inspection.

A foliation, ranging from barely perceptible to schistose, was observed in all exposures. This foliation is the result of parallelism of mafic minerals, less commonly feldspars, and cataclastic deformation of all minerals, especially quartz. In general, the foliation is weak in the larger masses except near the borders. Segregation banding, as in true gneiss, is scarce to absent. Large

scale banding is present near contacts where the quartz diorite is interfingered with bands of amphibolite and metasediment.

The rock is a medium to coarse-grained, granitic-textured, hornblende quartz diorite. Average grain sizes range from 3 to 10 mm, the coarser sizes dominating. Primary minerals have a general average of 60% andesine, 5% orthoclase, 15% quartz, 15% hornblende, and 5% accessories.

Most of the quartz diorite has been altered by either deuteric action, regional metamorphism, thermal metamorphism, or hydrothermal solutions. Regional metamorphism of the green-schist or albite-epidote-amphibolite facies has undoubtedly affected much of the unit. Andesine has been altered to a mass of epidote or zoisite, albite and white mica, and hornblende has been partially altered to biotite and/or dark green chlorite.

Precambrian Granodiorite -

The granodiorite unit comprises a rather uniform granitic textured rock bordering the entire eastern side of the Copper Basin area and another smaller body in the southwest corner, which is host to the McNary Gold Mine. This unit was traced into the Prescott Quadrangle and is equivalent to the "Prescott" granodiorite of Krieger (1954). According to Krieger "Prescott" granodiorite is later than the "Government Canyon" granodiorite which has an indicated radioactive age of 910 Ma.

The unit weathers readily to a coarse gray arkosic-type soil and outcrops comprise only about 25% of the area mapped. However, rounded to sub-rounded boulders, ranging from 5 to 20 feet in diameter, are usually present and in most places have not traveled far. Light gray or light brown outcrops are common along ridge tops and road cuts.

The granodiorite appears to be the youngest of the Precambrian units described by Johnson. Much of the granodiorite unit in the Copper Basin area is free from perceptible foliation. In the large eastern mass, foliation is prominent only in a west border zone, ½ to 1 mile wide. In the normal coarser-grained border rocks there is an alignment of biotite and hornblende, and commonly strong cataclastic deformation has crushed and oriented all minerals. Regional metamorphic effects present in older rocks are absent to weak. It is suggested that this granodiorite was emplaced at or near the end of the orogenic cycle.

Textural differences are prominent in border zones, but interior areas are generally uniform and consist of a medium-grained granitic textured rock. Locally there is a porphyritic appearance due to slight increase in grain size of plagioclase over other minerals. In the border zones the general grain size has decreased, and the percentage of dark minerals is less.

> *Alteration is weak in this unit as compared to previous units described. Sericitic and argillic alteration of plagioclase were found in some slides and absent in others. Microcline is usually fresh, and orthoclase shows some cloudiness. Biotite is locally altered to chlorite, and hornblende is generally changed to chlorite, epidote, and iron ores.*
>
> *Cataclastic deformation was strong in the border zones. Mortar structures are common along the feldspar borders, quartz is granulated, and the mafic minerals have been smeared into oriented shreds.*

At the McNary Mine, Feinstein reports, "*The host rocks are medium-grained felsic plutonic rocks, granodiorite to quartz latite in composition and no doubt some other felsic members. Stratigraphic contacts of these intrusives are not well defined by any surficial features. The granodiorite appears to be the youngest of the Precambrian units described by Johnson. Much of the granodiorite unit in the Copper Basin area is free from perceptible foliation. Regional metamorphic effects present in older rocks are absent to weak. It is suggested that this granodiorite was emplaced at or near the end of the orogenic cycle."*

Mapping by Johnson (1955) and Feinstein (2019) did not show any Precambrian sedimentary or volcanic rocks on the property.

7.3.2 Igneous Rocks

The rock unit descriptions below are quoted from the Feinstein (2019) report based on Johnson (1955) and Christman (1978).

> *Quartz Monzonite -*
>
> *An equigranular quartz monzonite, the largest intrusive unit of the Copper Basin stock, occupies the central floor of the basin. The rock is the least resistant to weathering of any of the igneous rocks in the area and much of the unit is covered by a residual soil and by a terrace gravel along Copper Basin Wash.*
>
> *The normal rock type is a fine to medium-grained biotite quartz monzonite which grades transitionally into a fine-grained hornblende quartz monzonite border facies. The border facies is most prominent in the south half of the unit and in the apophyses in the vicinity of the McNary mine. The quartz monzonite intruded the earliest member of the Copper Basin stock, the diorite unit. Diorite fragments are included in the borders of the quartz monzonite mass. The contacts with all other units are relatively sharp and intrusive breccias can be observed in many places, especially along the east contact zone.*
>
> *The east contact dips 45-60° west at several places where relief and outcrops permitted observations. The west contact in Copper Basin is essentially horizontal and represents the top of the intrusive. A relatively*

gentle east-dipping thrust fault in the vicinity of the U. S. Navy and McNary mines is occupied by quartz monzonite and represents the true west contact of the intrusive. Thus, the overall picture in cross section is a funnel-shaped stock which includes a root-like extension at depth that probably served as an orifice for the original magma. This concept is of fundamental importance in the structural and mineralization history of the ore deposits.

The quartz monzonite tends to weather into low relief and is commonly expressed by a mottled gray to light brown arkosic-type soil. The rock is more resistant in areas which are slightly porphyritic and especially in the fine-grained border facies. Part of the more resistant border facies crops out along the steep east side of the basin and weathers into rounded to sub-rounded boulders exhibiting some exfoliation. The ratio of dark to light minerals is higher in this facies and soils are correspondingly darker.

Although there is considerable variation in the textures, the compositional differences are confined to rather narrow limits. An estimated average mode of the main biotite quartz monzonite is: 38% andesine, 34% orthoclase, 15% quartz, 10% biotite, 2% hornblende, and 1% accessories.

Contact metamorphic effects associated with the quartz monzonite are relatively weak and are rarely noticeable more than 1000 feet from the contact. Green actinolitic hornblende is locally prominent in bladed crystals as much as one inch in length."

Johnson (1955) mapped a younger episode of quartz latite to rhyolite dikes in the copper basin area that were subsequently dated at 14.9 Ma by Christman (1978). Although not mapped by Johnson (1955), fine grained andesite to latite dikes were observed by Feinstein and the author (Morris) between the McNary shaft and the lower adit. These dikes appear to crosscut both ages of the coarser-grained intrusive rocks and may be related to this young event or late phases of the Laramide intrusives.

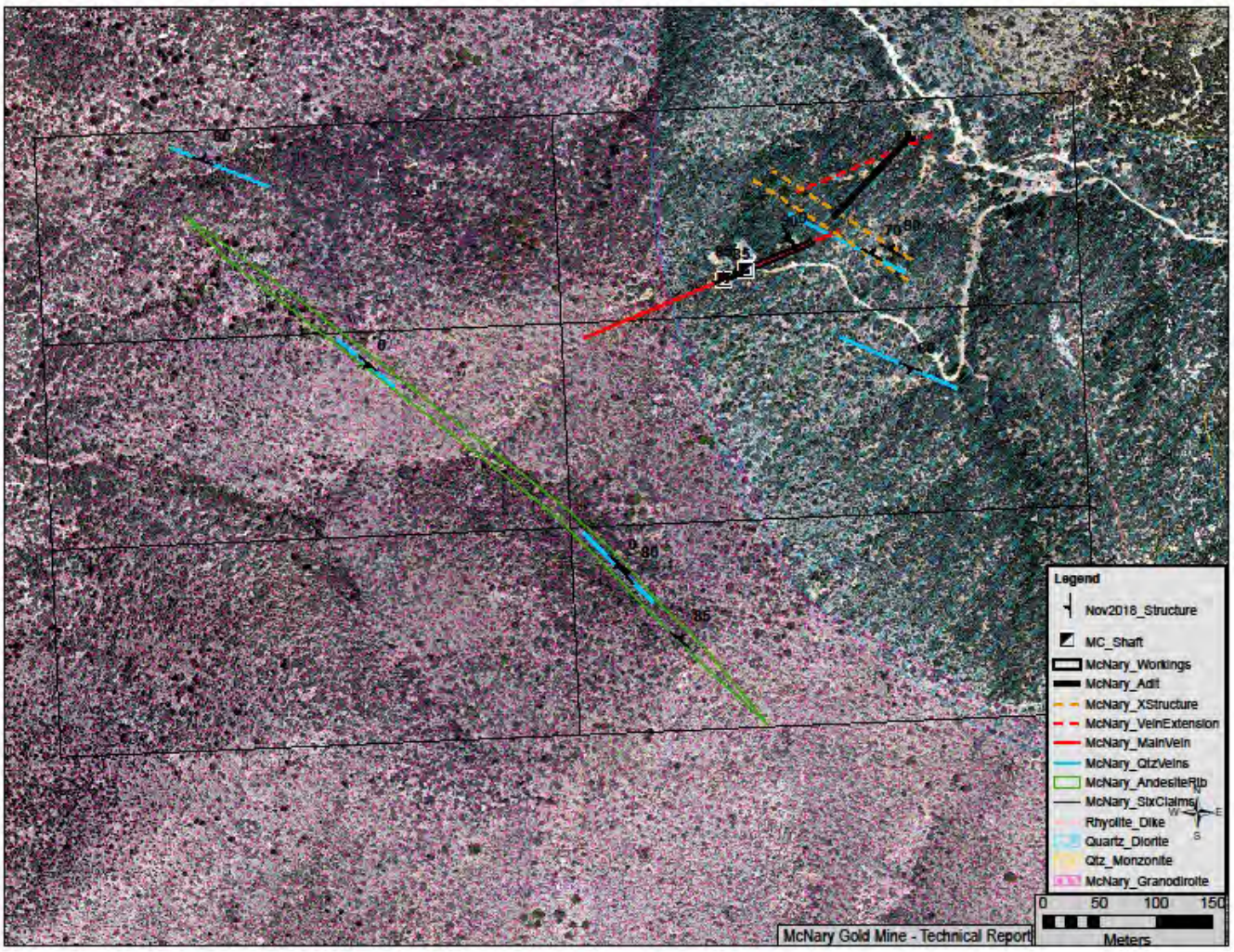

Figure 18. McNary Geology Map - from Feinstein, 2019

7.3.3 Structure

The property is in a mountain range-scale block of Precambrian intrusives and metamorphic rocks of the Yavapai Formation known as the Bradshaw Mountains Horst. Regionally, relict bedding / metamorphic foliation has a SE-NW trend roughly parallel to the primary veins and other structures in the McNary Mine. The Skull Valley detachment fault, placing Tertiary volcanics and sediments against the crystalline basement of the Yavapai Formation, is about 1.6 km (1 mile) to the west. This may also represent the northeastern extent of Basin and Range extension in this part of Arizona.

Rocks in the area have seen multiple ages of folding with refolded structures and diverging trends of foliation.

7.4 Mineralization

The mineralization at McNary is primarily a quartz-tourmaline +/- feldspar vein in an envelope of chlorite – pyrite – sericite alteration and likely secondary brecciation, with quartz-sericite-pyrite alteration followed by strong oxidation. Occasional blebs of chalcopyrite or oxide/carbonate copper minerals are observed, and the strong correlation of bismuth and tellurium with gold indicates the likely presence of bismuthinite, maldonite, or one of the bismuth-tellurium +/- lead, antimony, sulfosalt family of minerals. The strong oxidation and resultant acid leaching have obscured most of the primary vein mineralogy.

Figure 19 shows the surface trace of the primary vein in blue and the cross-structure breccia in red. A Tertiary rhyolite dike forms the ridgeline on the left of this photo. The shaft and lower adit are indicated in black; the lower adit dump is highlighted in yellow.

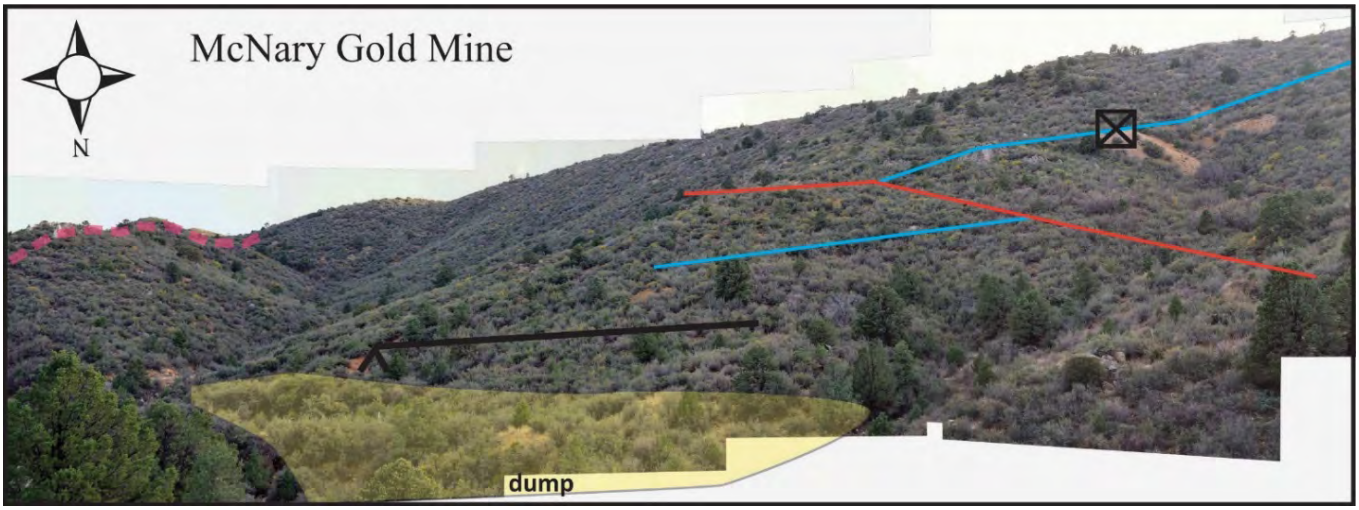

Figure 19. Looking south at the McNary Gold Mine, From Feinstein 2019

Figure 20. Portal to the 25 ft level McNary Mine-photo by Morris.

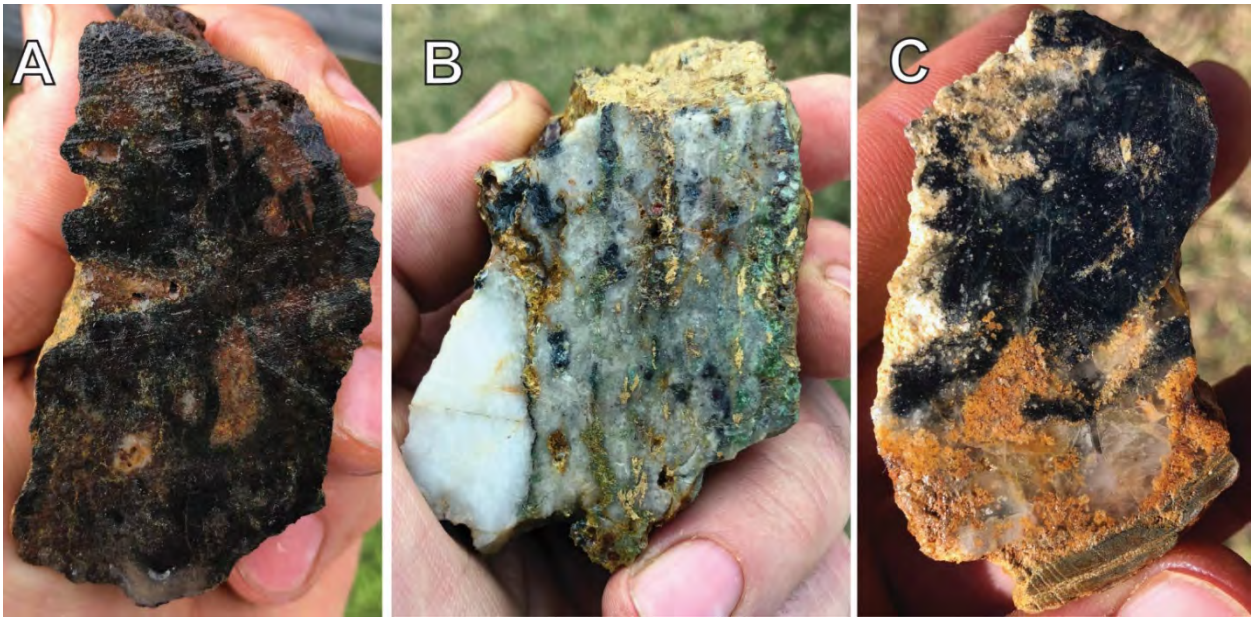

Figure 21. Samples of the main working vein at the McNary Gold Mine-From Feinstein, 2019

Figure 21 shows hand samples of the vein material in the McNary Adit: A) massive tourmaline with micaceous patches; B) massive milky quartz with trace sulphides, alongside sheeted quartz-sericite-pyrite veinlets with chloritic zones; and C) acicular masses of tourmaline overgrown by clear crystalline quartz with local zones of cream-orange colored feldspars.

Without additional study, it is not possible to determine the relative ages of the separate phases of mineralization and alteration. Since previous work in the district by Johnson (1955) and

Christman (1978) indicates the quartz-tourmaline-gold veins are confined primarily to the late (1200 Ma) intrusives, any cross-cutting structures and veins are probably related to subsequent events.

The veins at McNary are not easily traced on the surface due to vegetation and recessive weathering of the structures. Quartz vein float is visible intermittently along the apparent strike, but it is not clear if this is from the vein exposed in the shaft, or if it is from another structure, or just small pods of bull quartz within the host intrusive.

Figure 22. Surface exposure of McNary vein to the northwest of the shaft, bare patch in the left background is the portal.

7.5 Alteration

Alteration at McNary consists of very fine-grained white mica, iron oxide, chlorite, and clay gouge. This is consistent with orogenic veins which have widely variable alteration envelopes. Much of the iron staining in the soils and float material may be derived from oxidation of pyrite +/- chlorite derived from deuteric propylitic alteration related to the Laramide intrusive event. As exploration progresses and it is possible to get unoxidized material from the underground workings or drill core, a better understanding of the alteration picture should emerge.

8.0 Deposit Type

The target deposit type on the McNary property is an orogenic vein gold system. This type of deposit is also known as a "Mother Lode" type deposit from the string of mines in north central and northeastern California. Deposits of this type also occur along the US and BC west coast to the Alaska-Juneau mine in Juneau, Alaska and the Kensington-Jualin mine about 20 miles (32 km) north of Juneau. Many of the Canadian Shield mines are of a similar origin. This deposit type can produce large mines as in the Canadian greenstone belts but also can result in much smaller but still high-grade occurrences.

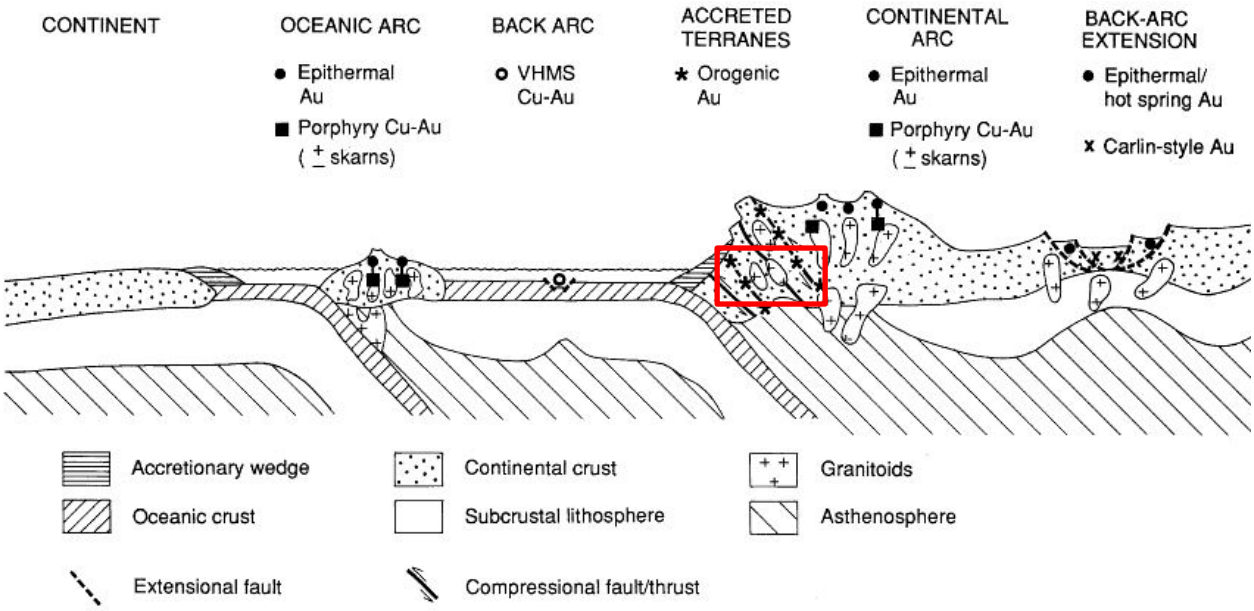

Figure 23. Conceptual model of ore deposit types associated with subduction of an Island Arc from Groves et al 1999.

The deposits form in accretionary wedges at the continental margin above and within active subduction zones.(figure 23) The type of material subducted can be an influence on the geochemistry of the mineral deposit as well as the type of host rock alteration and gangue minerals. The source of the fluids containing the metals and gangue (vein minerals containing metalliferous minerals) are thought to be derived from the metamorphic processes. As the rocks are forced deeper into the subduction zone, the volatile elements (H2S, CO2, CH4, N2, and water) are released through dehydration of clays and other hydrous minerals by the application of heat and pressure. Sulfur species in the fluids scavenge metals from the sediments as well as potential input from mantle rocks and oceanic crust. As these subducted materials are later forced upward during mountain building, the fluids are released into areas of lower pressure where they are trapped in open spaces resulting from faulting and ductile flow (Goldfarb et al, 1986).

Johnson, 1955 reports that the quartz-tourmaline-gold veins are found only in the Precambrian rocks, not in the Laramide age (~75Ma) intrusives or Miocene (~14Ma) dikes and volcanics. While the original quartz-tourmaline veins at McNary are seemingly Precambrian orogenic type, the current situation may have been modified significantly by later fluid overprints during uplift of the rock package and subsequent igneous and tectonic events. The brecciation of the veins, micaceous and clay alteration of the breccias, and some of the metal content or lack thereof suggests post-mineral modification. For example, these veins are seemingly depleted in arsenic and carbonate compared to similar types elsewhere. This may be a function of the source rocks for the ore forming fluids or the wall rock chemistry.

8.1 Exploration Model

For the time being, the best exploration model and approach is to explore the property as an orogenic type vein system. Most exploration models for orogenic systems are more keyed to the regional or district scale rather than specific occurrences (Bierlein et al, 2008).

The basic local exploration characteristics of orogenic gold deposits are:

1.) quartz-carbonate veins, sheared margins in competent lithologies (granitoid)
2.) Au +/- Ag, As, B, Bi, Mo, Pb, Sb, Te, W geochemistry
3.) jogs, splays, and intersections in brittle-ductile shear zones
4.) zoned alteration halo 0.2 – 200 meters wide
5.) K_2O, S, CO_2 metasomatism (Yeats and Vanderhor, 1998).

At McNary, the local variant of the model includes quartz-tourmaline veins, sheared micaceous breccia within and bounding the veins, and occasional copper oxide / carbonate stain.

Exploration on the McNary property will be guided by the geochemical, geophysical, and structural signatures associated with orogenic gold deposits. As more information is gathered, changes in the geologic thinking and target model may change to fit the information, and other geologic models may do a better job of explaining the mineralization and geology of the system.

9.0 Exploration

The property is at a moderately early stage of exploration. Work done on the property to date includes geologic mapping, prospecting-scale rock chip sampling, a soil survey, and mapping and sampling of the underground workings in the lower adit.

9.1 Surface Exploration

Surface exploration is limited to geologic mapping and rock chip sampling of prospects and altered outcrops. The results of these samples are discussed in the geochemical exploration section below.

9.2 Underground Mapping

Michael Feinstein spent two days mapping and sampling the recently re-opened McNary Mine lower adit in mid-December 2019. During the program, 51 measured-width chip samples were collected in the 200m lower tunnel. The adit was mapped with compass and tape., Another ten samples were collected from the surface.

Results of the sampling did not match values reported in old reports but are still instructive. Of the 51 samples collected, only 18 were collected from the favorable quartz-tourmaline veins. Sampling was not continuous so it is possible more subtle mineralization may have been missed. Details of the sampling of the McNary lower adit are shown in section 9.4.2.

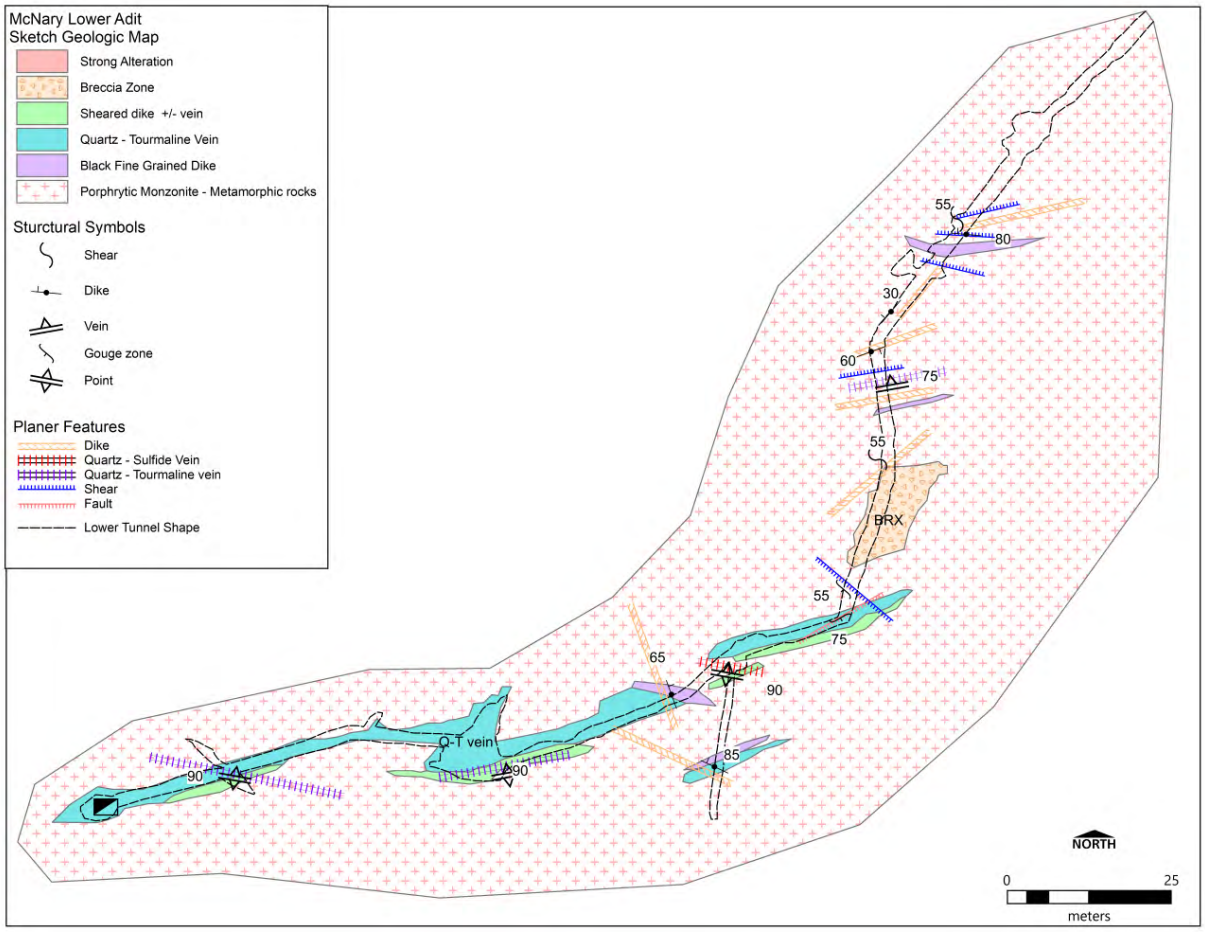

Figure 24. Sketch Geologic Map - McNary lower adit

Figure 24 was redrawn by the author (Morris) from the original sketch map and information collected in the sample notes by Feinstein. The adit was reportedly dug to intersect the main McNary shaft and associated workings at a lower level for exploration, development, and haulage purposes (Keays, 1930). It appears the adit achieved the primary purpose: to intersect the McNary vein at depth and follow it, looking for additional mineralized pods.

The primary vein is encountered approximately 100m in from the adit opening and the drift turns to follow strike of the primary vein for 70m; the width of the vein was observed to vary from 1 to

4m. Additional quartz-tourmaline veins, with variable sulphide content, range in size from 1 to 10cm, occurring along and within micaceous shear zones.

Inside the lower adit the wall rock is variable and indicates a much more complicated geologic scenario than indicated by regional mapping. The host quartz monzonite varies from fresh to moderately altered in the proximity to the fine-grained black dikes. Structurally controlled mineralization falls into two primary families: a NE-SW corridor hosts quartz-tourmaline veins and black dikes, a NW-SE corridor hosts breccia and argillic alteration.

Porphyritic monzonite / granite with some metamorphic rock make up the country rock around the adit. Several faults, shears, and breccia bodies were encountered, along with quartz-tourmaline+/-sulfide veins. From the information gathered, the exact sequence of mineralizing and tectonic events is not clear. It does appear that the quartz-tourmaline veins came early in the paragenesis, as fragments are incorporated into the breccias and shears. The N70E trending swarm of black fine-grained dikes is mafic in nature, Ca-Feldspar is the dominant phenocryst, and the emplacement of the dikes appears to be a different event as there is local alteration along the dike margins into the host monzonite. The quartz-tourmaline shear zone contact with the host monzonite is abrupt. In several locations the black dike is observed emplaced along the quartz-tourmaline vein wall. The last event may be the breccia zone and several bands/patches of moderate-strong argillic alteration, which is likely associated with the low-temperature mercury-arsenic-antimony geochemical trend discussed below.

The black fine-grained dike is observed in a surface trench along with silicified breccia and altered monzonite. Surface sampling returned elevated gold values and an indicative geochemical signature showing that these rocks are perceptive to auriferous mineralization. The black dike vein swarm and the hanging wall-altered monzonite returned a maximum value of 2.68ppm Au (5.39ppm Au by Multi-element) with a low Au:Ag ratio and bismuth-tellurium signature. The breccia samples returned about 0.2 ppm Au with associated arsenic, antimony, and a shifted Au:Ag ratio (Table 3).

Table 3. December 2019 Rock Chip Samples from trench on black dike swarm

SAMPLE	Description	Au-AA26	Au_ME	Ag	As	Bi	Cu	Fe	Hg	Te
1624607	Breccia	**0.17**	**0.1**	2.15	88.4	0.64	35.9	2.37	1.53	0.85
1624608	Blk w Sulphide	**1.49**	**1.2**	5.1	7.5	3.03	279	3.24	2.99	2.13
1624609	Blk Dike	**0.06**	**0.05**	0.66	2.1	0.24	327	5.02	0.1	0.15
1624610	Alt Monzonite	**2.68**	**5.39**	3.81	20	3.8	445	10.1	4.52	2.66
1624612	Silica Conglom	**0.04**	**0.02**	0.14	44	0.16	18.5	1.16	1.08	0.38
1624613	Breccia	**0.18**	**0.05**	0.2	106	0.15	16.2	2.06	0.82	0.58

Three periods of mineralization have been observed on the property, each with a district style and apparent trace element geochemistry. From oldest to youngest, quartz-tourmaline veining, the black dike vein swarm, and an epithermal breccia event.

9.3 Geophysical Surveys

Redline has not conducted any geophysical surveys of the property. Results of a regional airborne magnetic survey contracted by a company previously working in the district were discussed previously in section 6.

9.4 Geochemical Results

As far as is known, other than the work discussed below, the McNary property has not been the site of systematic soil or rock chip sampling. Sampling, sample preparation and analytical methods are described in sections below discussing the various programs by Redline.

Sampling bias is inherent in prospecting type rock sampling. At this stage, samples are collected from obvious visible alteration / mineralization. This is both by virtue of prospect pits being dug on visible indications of mineralization and the section of samples from the prospects being also biased toward material that looks permissive. To counteract this and to avoid missing mineralization with limited visual appeal, samples should include a range of materials. The authors (both of whom collected samples for assay on the property) collected a suite of samples from the prospects, including both rocks that look altered and material that appeared to be unmineralized host rock. Soil samples were collected on a fixed grid and are not suspected to be biased. Sampling bias with soils are mostly a function of the geology, easily weathering material can physically overwhelm more resistant material for example. These are issues that are incorporated into the interpretation of soil geochemistry.

9.4.1 Rock Chip Sampling

9.4.1.1 Initial Prospect Sampling

In November of 2018 Feinstein collected 18 samples as part of his mapping and prospecting efforts. The author (Morris) collected ten samples during the May 2019 property examination primarily to confirm the high-grade results obtained by Feinstein. Results of these samples are shown in the tables and maps below. Note that the mapped locations of the samples taken underground from the McNary shaft and upper adit are approximate to allow separation from each other and lack of underground mapping.

The mineralized material sampled on the surface and underground included a mixture of hard quartz-tourmaline veins, softer very fine-grained mica-altered breccia with floating clasts of quartz vein, and fine grained mica (sericite) altered dikes. Tourmaline quartz veins and the micaceous breccia carried the highest values.

The gold at McNary is likely coarse due to the original deposition style, post-depositional metamorphism, and likely remobilization of elements during the Laramide and Miocene age intrusive events. As a result, the ICP-MS analytical method which only uses a 0.5-gram aliquot of the sample should only be considered as a semi-quantitative method in this environment. This is demonstrated in the tables below.

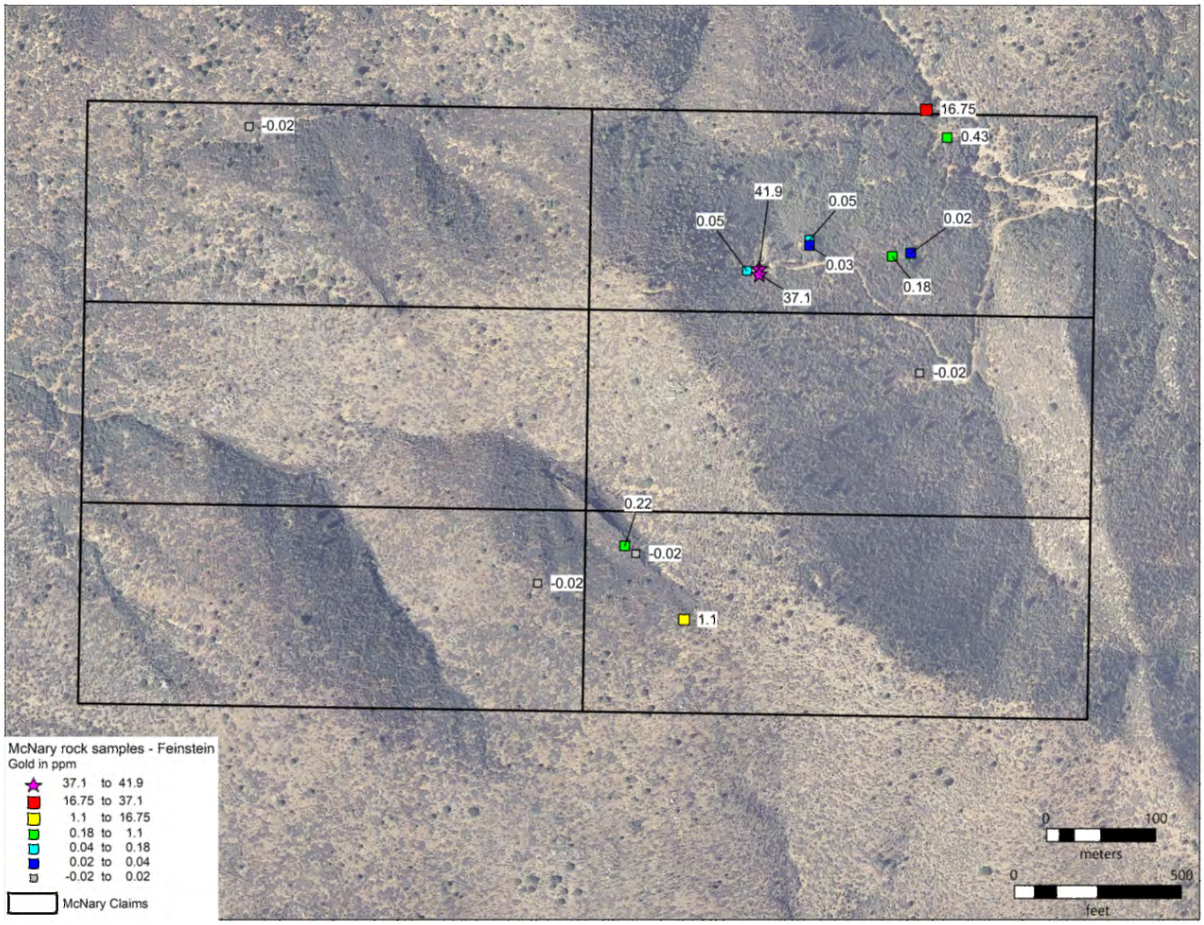

Figure 25. Feinstein Rock Samples: Gold in ppm

The values shown on Figure 27 are a mixture of ICP-MS and fire assay values, with the fire assay value plotted for those samples run using this method.

Table 4. Feinstein 2018 surface rock samples – select elements, values in ppm

Sample	Width (M)	Au fire	Au ICP	Ag	As	Bi	Cu	Fe %	Hg	Pb	S %	Sb	Te	Zn
1426313	Grab		0.03	0.12	5.3	0.25	284	1.13	0.02	9.7	0.04	0.08	0.28	190
1426328	0.9		<.02	0.33	10.4	0.28	99.8	3.2	6.87	39.9	0.11	6.76	0.15	61
1426329	1.1		0.05	0.55	1	0.47	131.5	2.58	0.05	8.4	0.1	0.23	0.31	45
1426330	1	41.9	20.2	8.34	10.2	24.7	189.5	13	12.35	54.1	0.28	17.8	18.35	134
1426331	3	37.1	16.8	5.16	9.4	14.15	181.5	11.75	6.93	52	0.29	20	10.25	158
1426332	3.2		0.05	0.1	4.9	0.19	10.9	1.33	11.55	6.2	0.04	2.53	0.19	19
1426333	3.7		0.03	0.08	5.9	0.22	10.2	1.93	6.85	7.2	0.02	4.02	0.19	28
1426334	1.3	1.1	0.22	0.1	11.6	0.26	12.1	3.82	0.83	9.5	0.02	44.6	0.16	20
1426335	5		<.02	0.07	4.5	0.19	5.6	1.04	6.25	4.5	0.01	13.65	0.12	5
1426336	1.3		<.02	0.05	4.6	0.05	9.7	1.76	1.02	5.3	<0.01	10.5	0.02	15
1426337	2.7		<.02	0.06	2.7	0.32	15.5	1.42	13.45	5.4	0.01	8.07	0.07	25
1426338	Grab	0.12	0.22	0.12	9.7	0.22	34.2	3.07	336	8.2	0.02	16.45	0.19	35
1426339	Grab	16.75	10.95	64.2	58.1	14.25	456	5.11	20.1	20.7	0.1	89.2	11.6	22
1426340	Grab	0.43	0.12	0.87	3.6	8.47	21.9	4.16	4.7	7.5	1.58	2.5	2.63	44
1426342	Grab		0	0.16	5	0.1	13.1	1.99	1.28	22.5	0.2	0.2	0.14	15
1426343	Grab		0.04	0.28	2.6	0.17	31	3.98	0.2	2.9	0.17	0.23	0.47	34
1426352	Grab	0.18	0.1	0.55	8.4	0.87	19.6	5.14	4.04	16.2	0.76	6.38	1.06	57
1426353	Grab		0.02	0.19	10	0.35	8.7	2.44	3.53	4.5	0.11	2.52	0.47	31

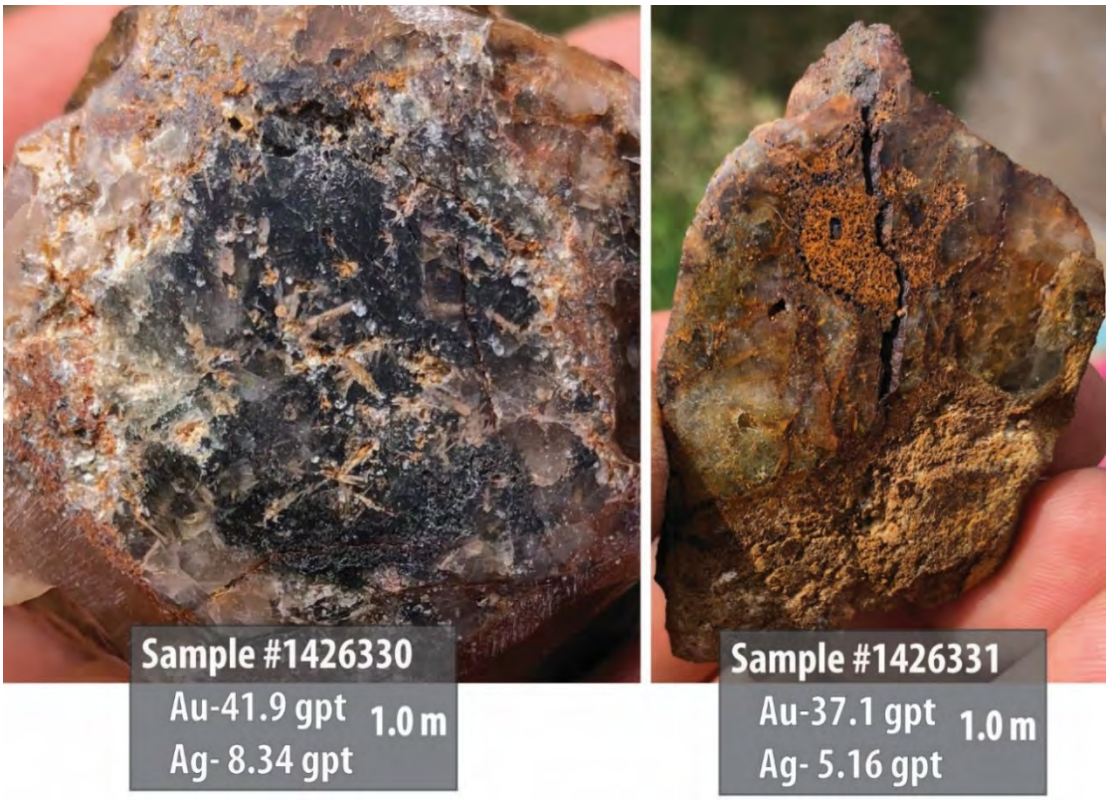

Figure 26. High grade samples from the upper McNary workings from Feinstein, 2019

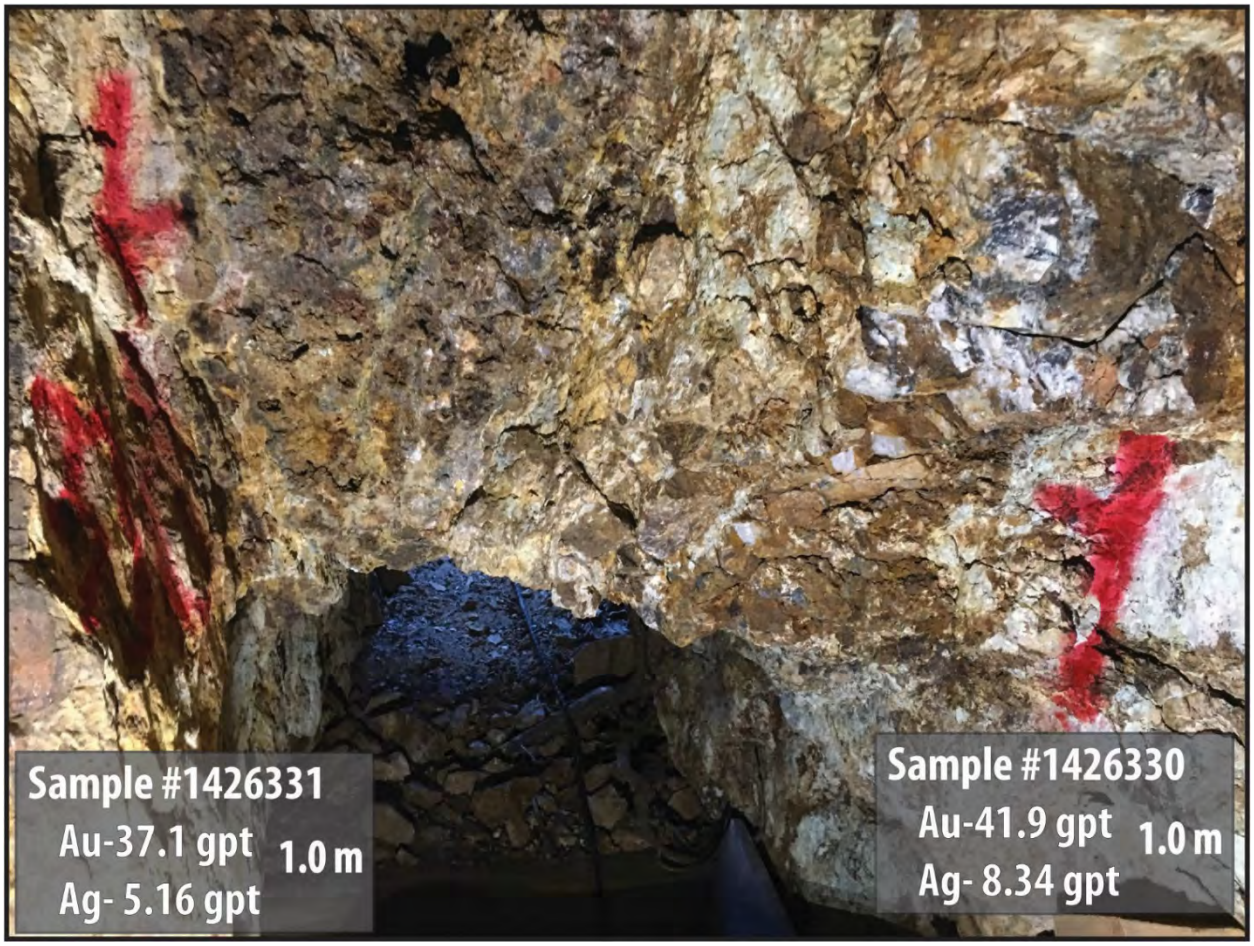

Figure 27. McNary upper adit sample locations - from Feinstein, 2019

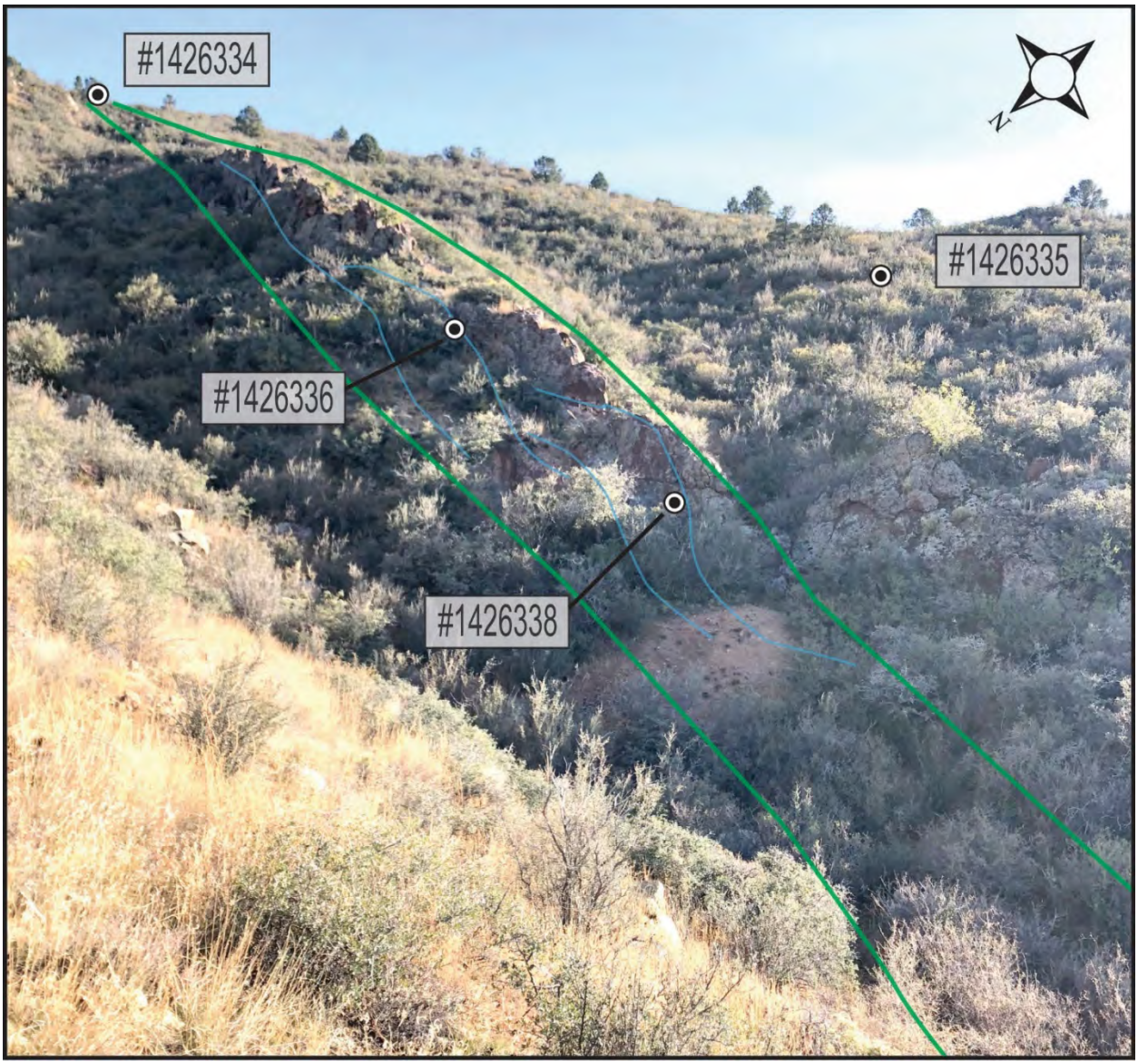

Figure 28. Photo looking southeast at the mineralized andesite rib, located 300m to southwest of McNary Mine. Mineralized zone is outlined in green and quartz-tourmaline vein swarm is shown in blue. From Feinstein, 2019.

Table 5. McNary Property sample descriptions - Feinstein, 2019

Sample	easting	northing	description
1426329	351377	3816966	McNary mine, 1.1m sample across N65E structure at entry of incline; just below tie down, layered fine grain intrusives, thin schist, silicified granitoid (gneiss?) w quartz/tourmaline; along south face of working structure
1426330	351388	3816968	1m wide continuous chip across primary working vein on roof pillar and some side quartz/tourmaline; this zone sits alongside the massive 2' wide quartz/tourmaline vein

1426331	351388	3816963	across S-side of 1426331, 3m continuous chip, true width 1m, quartz/tourmaline veins layered w/ shear zone clay/gouge (smooth micaceous); some quartz/tourmaline veins w/ quartz crystals to 2cm and local sulphides, highly oxidized
1426332	351434	3816994	north-half of silicified rib, trends N30W, same description as next, 3.2m
1426333	351434	3816989	chip sample across s-half of mineralized rib; highly silicified w zones of quartz veining and sulphides
1426334	351320	3816649	1.3m wide quartz vein; quartz w/ some tourmaline, local sulphides, gossanous red outcrop, nN0W/85N
1426335	351187	3816682	5m wide silicified structure, collective chip, trend N10-20W/vert
1426336	351276	3816709	silicified rib zone about 25-30' wide; sampled 3 QVs across 1.3m; same silicified breccia w/ FeOx, minor working goes in 15', fault planes curving in and out of each other here, vertical slicks; trend N40W/80N
1426337	350925	3817097	small adit, 2.7m chip across 3 diff quartz/tourmaline veins up to 1" wide, trending N70W/80E-vert
1426338	351266	3816716	select grab, upper working on structure behind McNary shaft; silicified green BX w/ quartz, calcite, FeOx cavities; breccia is angular, and matrix supported (eruptive/epithermal?)
1426339	351540	3817112	lower McNary adit dump; red, silicified Bx w/ FeOx, select grab
1426340	351559	3817087	select grab on quartz/tourmaline vein w/ pyrite and other oxidized sulphides
1426342	352253	3817045	Select grab on dump from XL Cinnabar Mine; tiny cut on QV and contact w/ Tonalite, QV up to 1m wide; this bag QV w 1-2% sulphides, pyrite and other
1426343	352253	3817040	2 of 2 here; this bag is Tonalite host, cooked and fractured, some vugs w/ sulphides to oxide
1426352	351509	3816979	mineralized QV structure to the east of McNary; N50-70W/70N; 20' pit on the FW of Silicified Rib, Select grab on dump
1426353	351526	3816982	Leached and cooked Quartz Tonalite, highly leached feldspars, some local silicified veins w/ oxidized sulphides, approx. N60W, FeOx stained fracture, some limonite and hematite

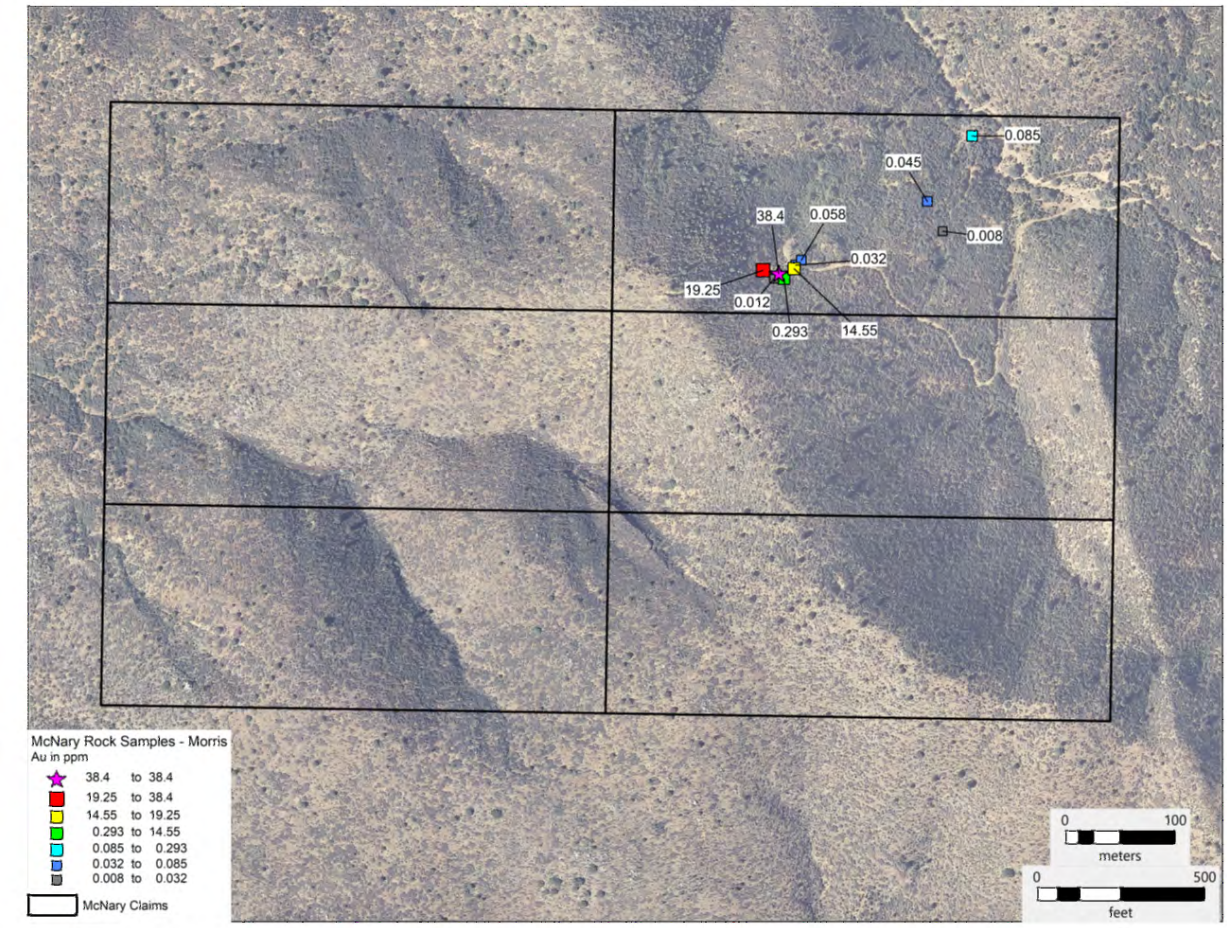

Figure 29. Morris May 2019 Surface and McNary upper adit rock samples: Gold in ppm

In Table 6 below, all samples were run by 30-gram fire assay with an atomic absorption finish. Samples running over 10 ppm with this method (70751, 70753, 70755) were rerun using a gravimetric finish. The results shown in Figure 31 are fire assays.

Table 6. Morris May 2019 rock samples – select elements, values in ppm

Sample	Au fire	Au ICP	Ag	As	Bi	Cu	Fe %	Hg	Pb	S %	Sb	Te	Zn
70751	19.25	6.78	4.59	6.6	12.75	153	11.2	5.98	35.6	0.28	10.5	9.97	130
70752	0.012	-0.02	0.08	0.7	0.06	83.7	1.75	0.15	2.3	0.02	0.84	0.05	25
70753	38.40	21.4	7.80	2.2	16.15	106	8.24	5.17	21.2	0.26	4.75	16.5	91
70754	0.293	0.08	0.90	2.8	0.5	570	6.61	3.61	6.9	0.05	5.01	0.42	131
70755	14.55	3.34	5.08	10.6	8.1	203	9.84	10.7	24.7	0.25	30.5	6.25	155
70756	0.032	0.06	0.10	0.5	0.12	8.2	0.68	0.46	0.8	0.03	0.54	0.09	4
70757	0.058	0.05	0.27	5.5	0.4	417	6.24	0.58	8.8	0.45	53.8	1.12	46
70758	0.085	-0.02	0.07	13.1	0.17	16.4	3.42	0.71	7.5	0.03	4.46	0.2	56
70759	0.008	-0.02	0.06	2.9	0.06	11.1	1.52	0.41	21.5	0.01	1.83	0.03	37

Sample	Au fire	Au ICP	Ag	As	Bi	Cu	Fe %	Hg	Pb	S %	Sb	Te	Zn
70760	0.045	0.04	0.13	9.0	0.43	61.7	5.53	2.98	24.4	0.03	14.05	0.39	147

Figure 30. McNary Mine crown pillar - sample 70751, photo by Morris

Table 7. Sample Descriptions: Morris May 2019 rock samples

Sample	Easting	Northing	Lithology Description	Location
70751	351371	3816968	gouge zone quartz veins and gossan in clay	crown pillar
70752	351381	3816960	glassy quartz with black tourmaline?	right rib
70753	351385	3816965	micaceous gouge with quartz tourmaline vein clasts	back
70754	351390	3816960	clay, mica alt gouge between quartz veins	right rib
70755	351399	3816969	dup of Feinstein sample #1426331	right rib
70756	351400	3816972	glassy quartz with black tourmaline on dump	upper dump
70757	351406	3816977	very fine-grained mica - gouge on dump by shaft	upper dump
70758	351561	3817090	Fe oxide in white clay / sericite matrix	lower dump

Sample	Easting	Northing	Lithology Description	Location
70759	351534	3817003	fine grained intrusive? very fine-grained mica alteration	float
70760	351520	3817030	similar material to 70759	float

Figure 31. McNary Upper Adit, sample 70755 taken from the same site as Feinstein #1426331, photo by Morris.

Comparison of the results from Feinstein's and the Morris's samples for the same locations show acceptable correlation. Multi gram/tonne gold values were obtained by both sample efforts in the same places. The variation is likely due to the coarse nature of the gold.

The geochemical signature (Au> Ag with associated Bi, Te and minor As, Sb, Hg) of the results is consistent with orogenic or intrusive-related gold deposit models.

9.4.1.2 Fall 2019 Prospecting Samples

Rock samples collected during the December 2019 soil sampling program were mostly outcrop and float of mineralized material found at or near soil sites. A few were from prospects or small adits found along or near soil lines. The gold results from these samples were very subdued compared to samples in the mine areas. Of the 14 samples collected, only three carried over 10 ppb Au and only one over 100 ppb. Correlation between soil samples and float / outcrop

samples was moderate; the rock samples with >10ppb gold corresponded with generally weakly anomalous soils. Most of the rock samples were quartz/tourmaline vein material.

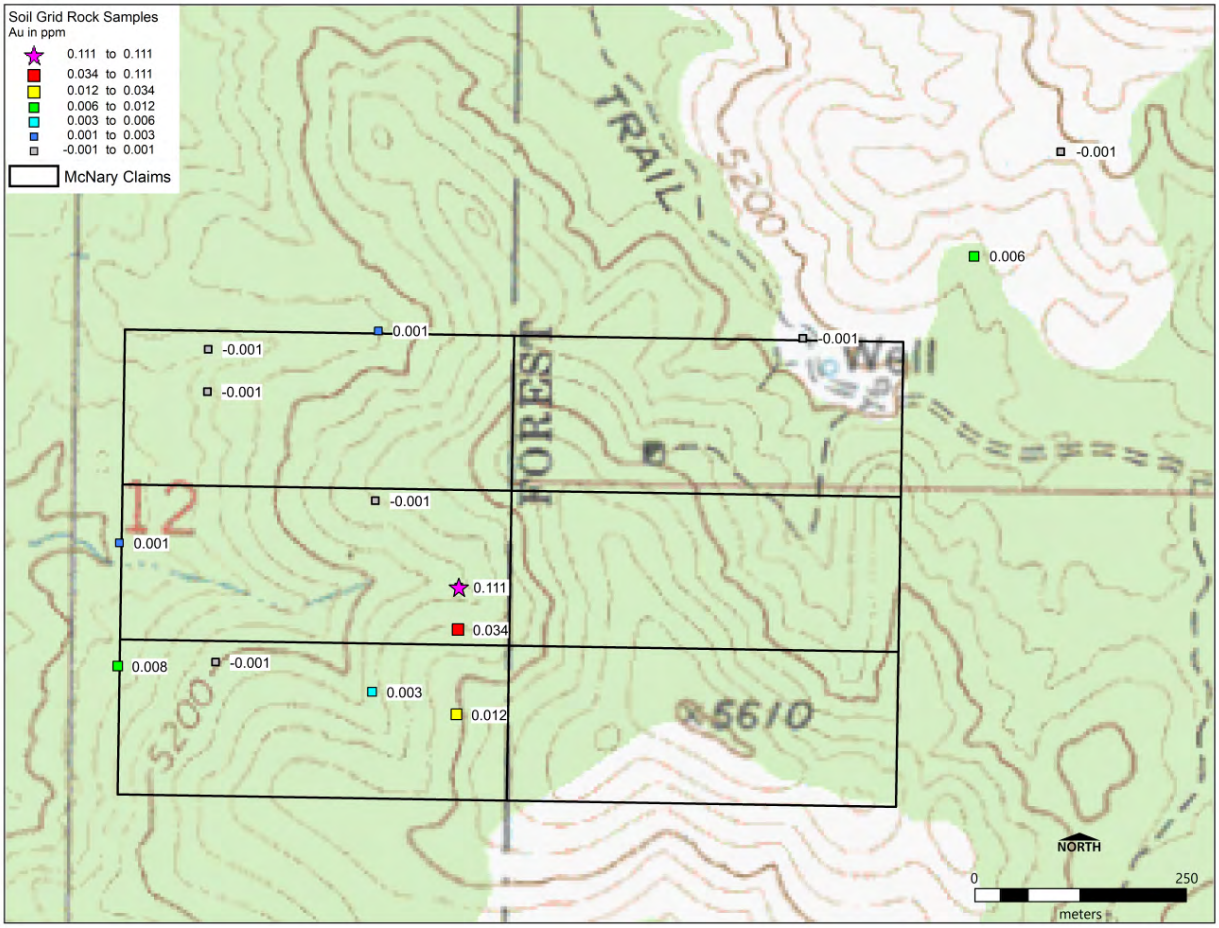

Figure 32. Rock samples collected on soil grid - Gold in ppm

9.4.2 Underground Sampling

Michael Feinstein, assisted by Barney Portillo, conducted a reconnaissance mapping and sampling of the lower adit about two days after the crew was able to confirm the tunnel was open.

Since the property is on National Forest lands and subject to more stringent permitting rules than on other land status and to prevent delays due to permitting issues, the December 2019 program had to involve only non-mechanical methods. In order to open the adit for mapping and sampling with minimal delay, Redline hired a crew of three men to dig out the adit portal, not knowing if it could be opened in this manner. After 8 days of digging, the crew broke through to an open tunnel (Figure 41). Air flow through the adit confirmed the tunnel connected to the surface at another point, and the tunnel could likely be safely entered (from a dead air

standpoint). Mapping was initially conducted by pace and compass methods, later updated to a tape and compass survey.

Rock samples were collected primarily across visibly altered zones while a few were collected for background information. A total of 51 samples were collected from the adit. Despite the historic reports claiming values in the 8.0 ppm range for brecciated rocks in the adit, the best gold result was only 0.67 ppm. At this point, the source of the discrepancy is unknown. It is possible the old reports were based on hearsay, poor analysis, or outright fabrication. Although an immediate high-grade drill target was not defined in the adit, the results are not negative. A large body of brecciated and altered rock was encountered with anomalous gold and trace element values that should be investigated with additional sampling and / or drilling.

Table 8. McNary Lower Adit Samples - Summary Statistics

Field	Min	Max	Mean	Median	Std Dev	Pct 66	Pct 80	Pct 90	Pct 95	Pct 98
Au ppm	-0.01	0.67	0.07	0.03	0.12	0.05	0.07	0.13	0.23	0.50
Ag ppm	0.05	13.95	0.52	0.13	1.98	0.19	0.26	0.37	0.95	3.51
As ppm	1.20	72.70	10.34	4.00	14.77	5.80	21.00	25.10	39.20	56.10
Ba ppm	10	800	245	220	181	270	350	530	605	630
Bi ppm	0.05	86.30	2.04	0.24	12.04	0.32	0.47	0.78	1.12	2.58
Ca %	0.16	5.63	1.80	1.45	1.43	2.22	3.47	3.83	4.26	4.55
Cu ppm	6.50	2000	121	35	385	48	78	109	120	2000
Hg ppm	0.18	84.00	6.96	2.74	13.92	4.47	6.10	12.85	27.10	49.80
K %	0.09	1.29	0.41	0.26	0.30	0.52	0.71	0.77	0.88	1.20
Mo ppm	0.18	2.34	0.77	0.64	0.52	0.95	1.19	1.28	1.82	2.18
Pb ppm	3.1	81.1	8.9	6.1	11.3	7.8	10.4	11.5	17.0	30.6
S %	0.05	10.00	0.73	0.47	1.39	0.59	0.78	1.16	1.66	1.85
Sb ppm	0.18	135.50	9.82	4.81	20.22	6.72	14.35	16.25	25.45	53.70
Te ppm	0.09	47.20	1.41	0.37	6.56	0.47	0.73	1.02	1.86	2.40
V ppm	19	153	63	58	33	79	95	109	116	120
Zn ppm	25	190	72	69	34	79	93	111	124	168

The summary statistics in Table 8 are presented to give an idea of the range of values encountered in the underground sampling. Value breaks in the table are those used in the Figures 35, 36, and 37.

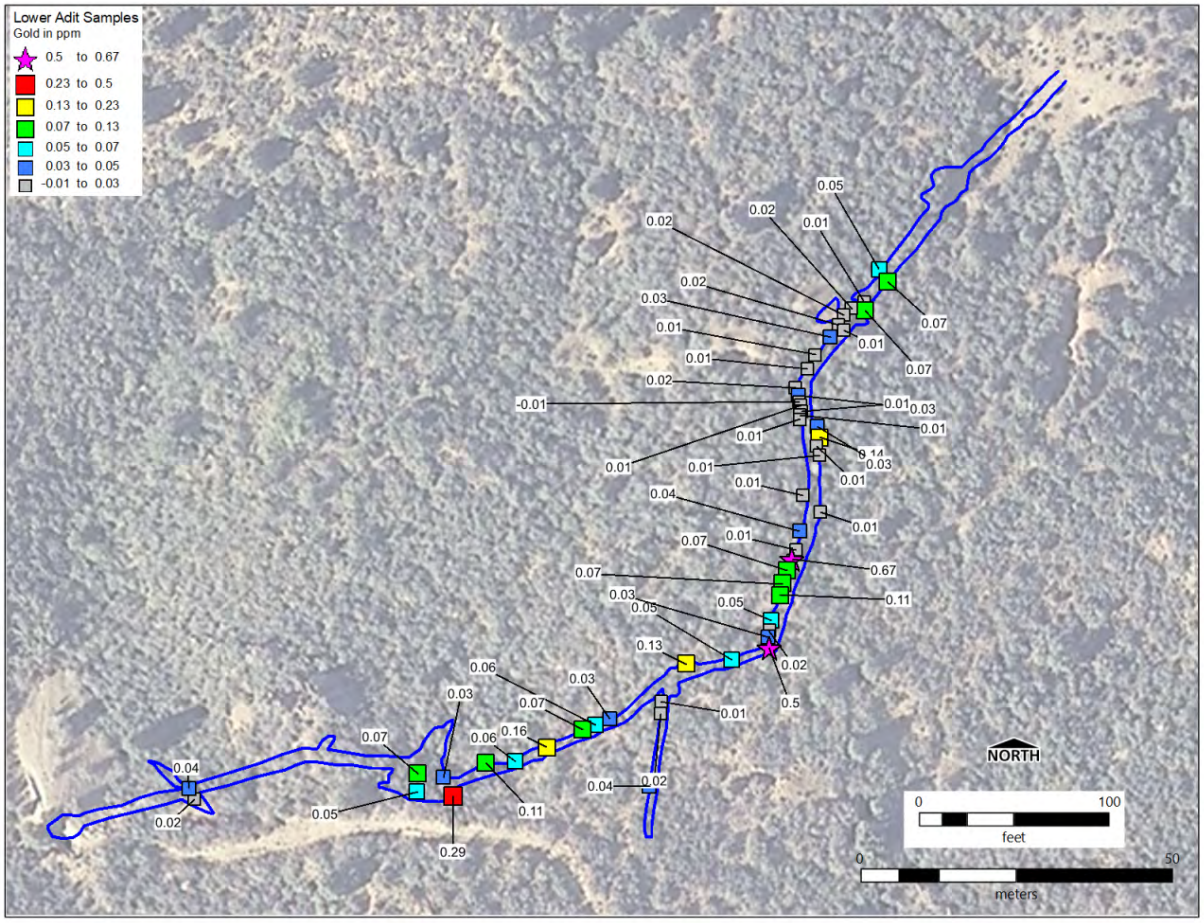

Figure 33. McNary Lower Adit Samples: Gold in ppm

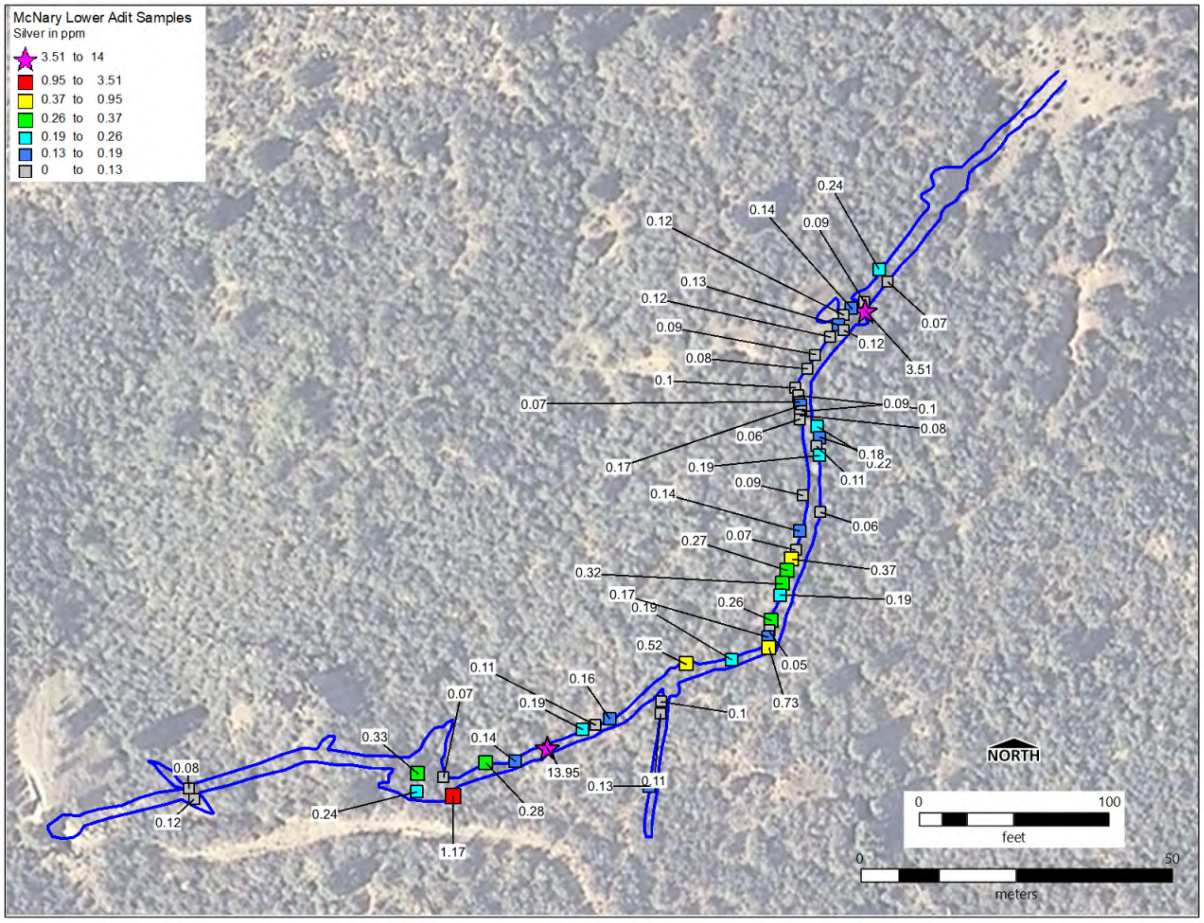

Figure 34. McNary Lower Adit samples: Silver in ppm

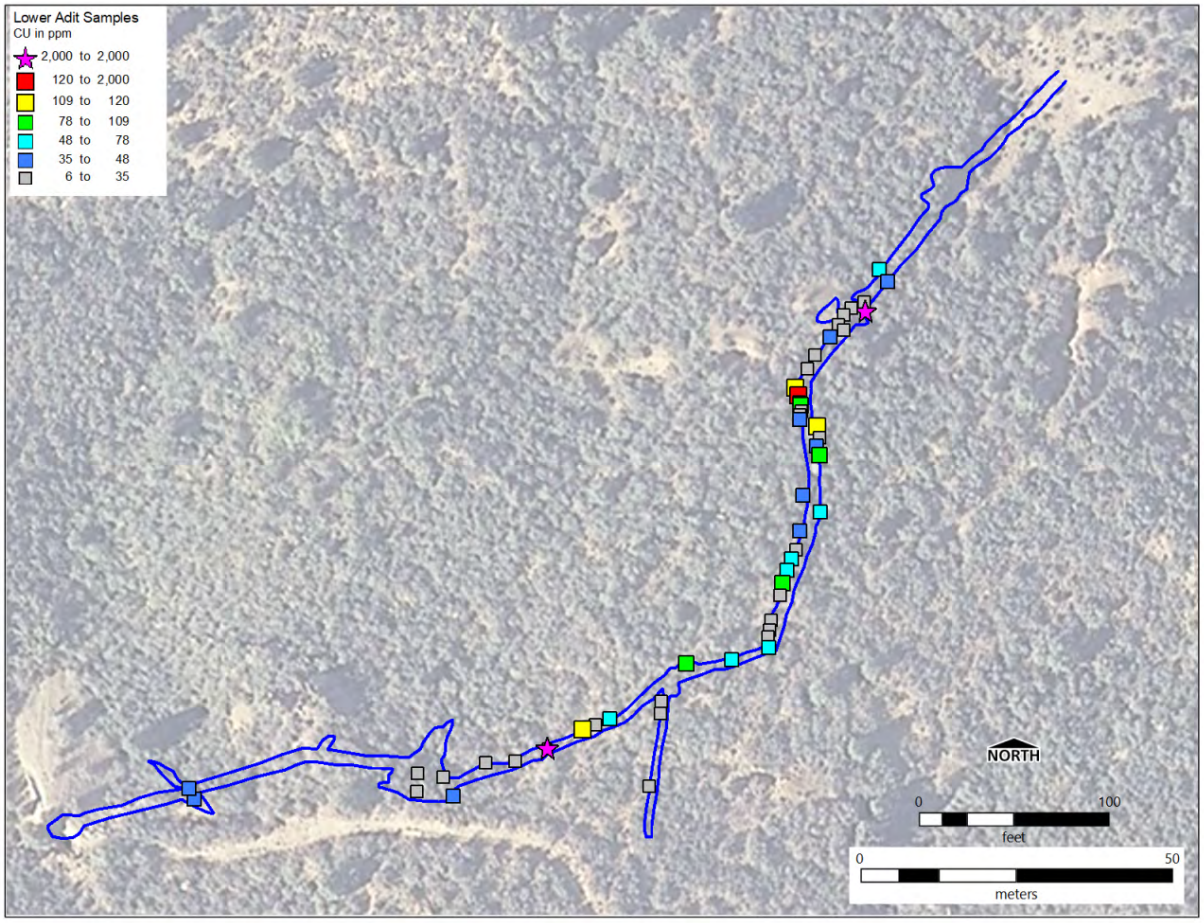

Figure 35. McNary Lower Adit Samples: Copper in ppm

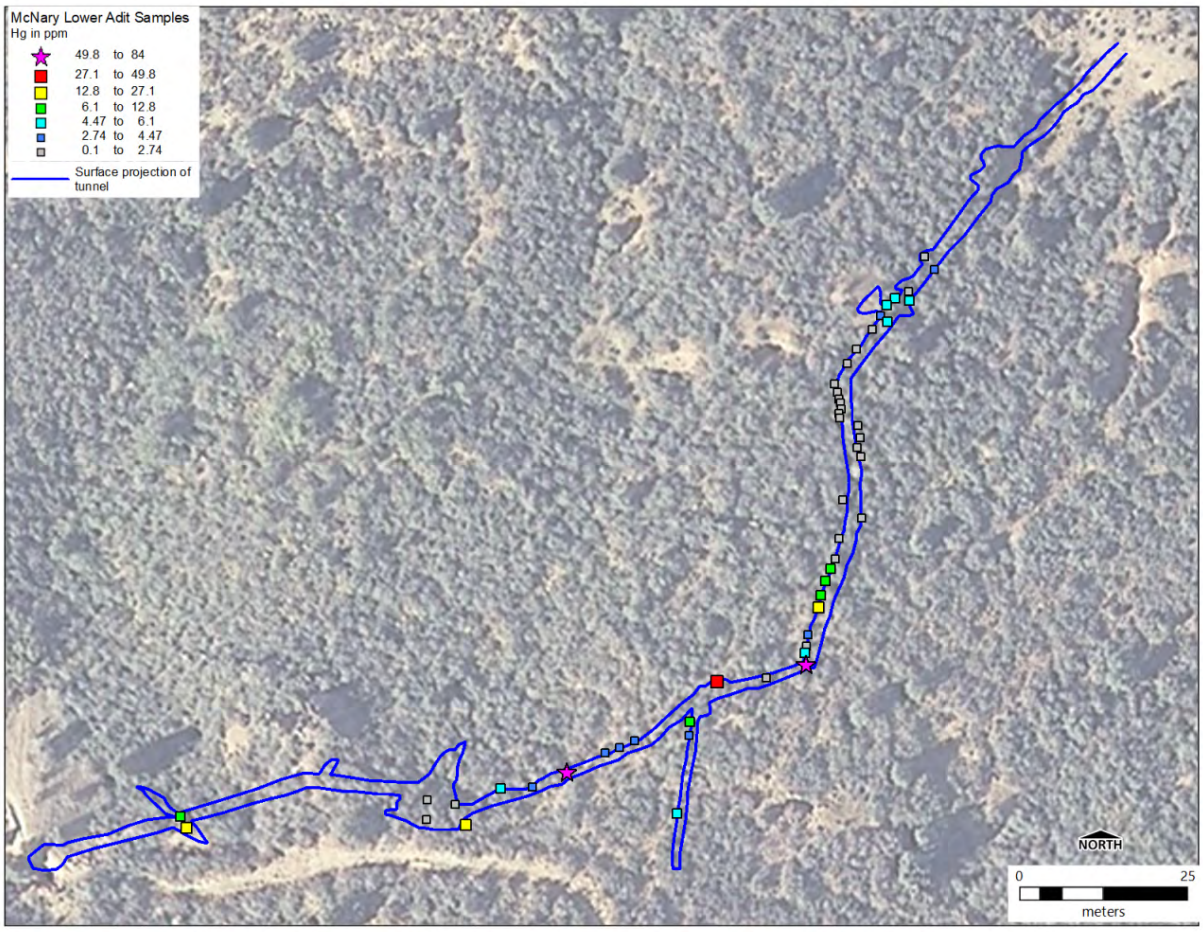

Figure 36. McNary Lower Adit Samples: Hg in ppm

Table 9. McNary Lower Adit underground sample: correlation coefficients

	Au	Ag	As_	Ba_	Bi_	Cu	Hg	Pb	Sb	Te	Zn
Au	----	0.17	0.404	0.056	0.539	0.098	0.429	0.127	0.289	0.549	0.051
Ag	0.17	----	0.092	0.004	0.017	0.844	0.796	0.494	0.866	0.029	-0.015
As	0.404	0.092	----	0.447	0.109	0.061	0.14	0.098	0.304	0.109	0.121
Ba	0.056	0.004	0.447	----	-0.186	0.022	-0.052	0.103	0.051	-0.186	0.256
Bi	0.539	0.017	0.109	-0.186	----	-0.019	0.444	-0.029	0.159	0.999	0.038
Cu	0.098	0.844	0.061	0.022	-0.019	----	0.555	0.848	0.604	-0.015	0.033
Hg	0.429	0.796	0.14	-0.052	0.444	0.555	----	0.251	0.85	0.462	-0.025
Pb	0.127	0.494	0.098	0.103	-0.029	0.848	0.251	----	0.264	-0.024	0.189
Sb	0.289	0.866	0.304	0.051	0.159	0.604	0.85	0.264	----	0.176	0.102
Te	0.549	0.029	0.109	-0.186	0.999	-0.015	0.462	-0.024	0.176	----	0.063
Zn	0.051	-0.015	0.121	0.256	0.038	0.033	-0.025	0.189	0.102	0.063	----

Table 9, based on 51 samples, shows an affinity between Au, Bi, and Te that is seen in the highest grade samples from the McNary vein, but also a similar correlation with As, Hg, +/- Sb. Silver shows a strong affinity with copper, mercury, antimony, and lead. This corresponds with results from the general adit area where an As, Sb, Hg +/- Ag correlation is seen in the soils in one area, and a likely structurally controlled band of Au, Bi, Te groups is seen cross-cutting it.

One possible explanation for the low gold values in altered rocks from the adit is that a band of later(?) lower temperature epithermal type alteration was intersected instead of the main higher temperature gold-rich mineralization.

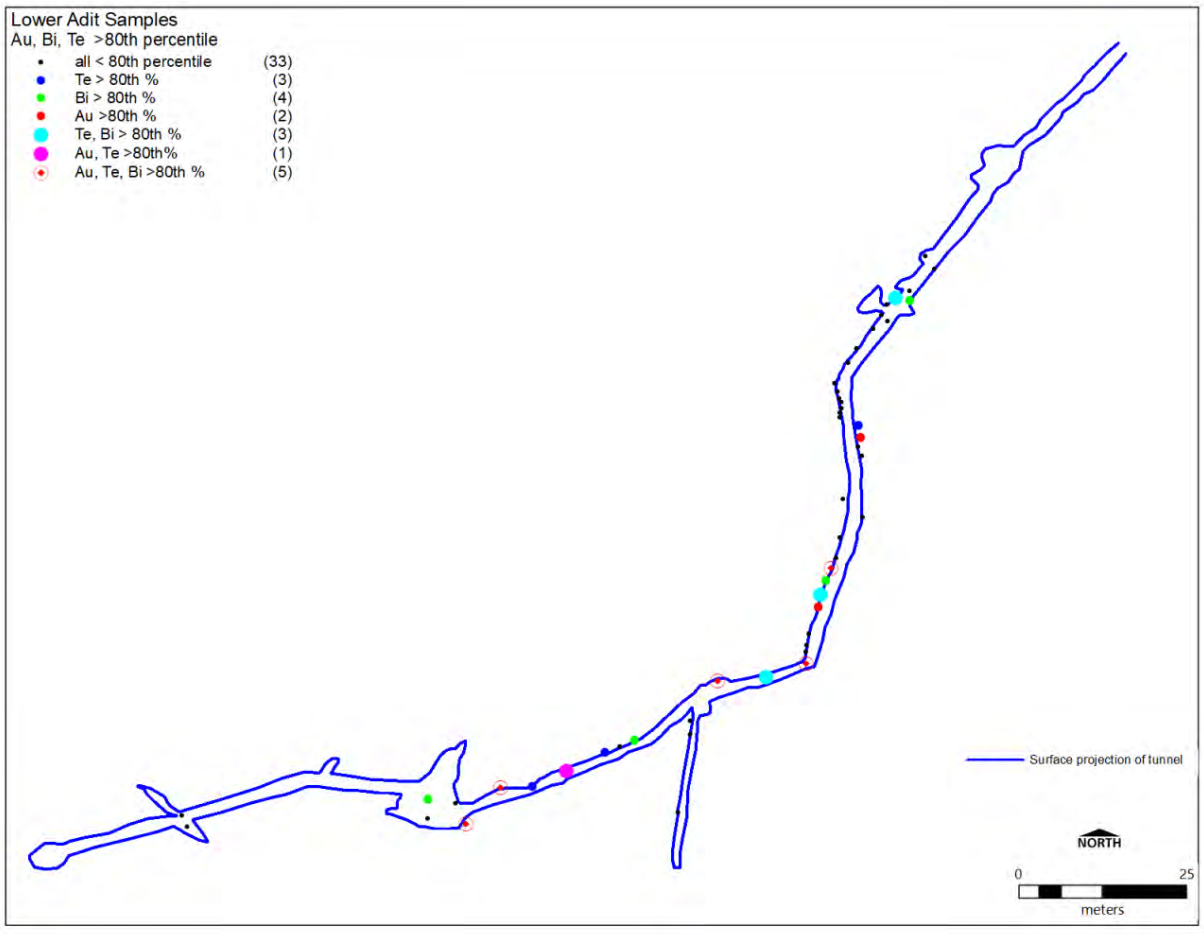

Figure 37. McNary Lower Adit Samples: Au, Bi, Te tri-variant symbols

Figure 37 shows where Au, Bi, Te occur together or alone at values equal to or over the 80% percentile. The limited number of single element anomalies is apparent.

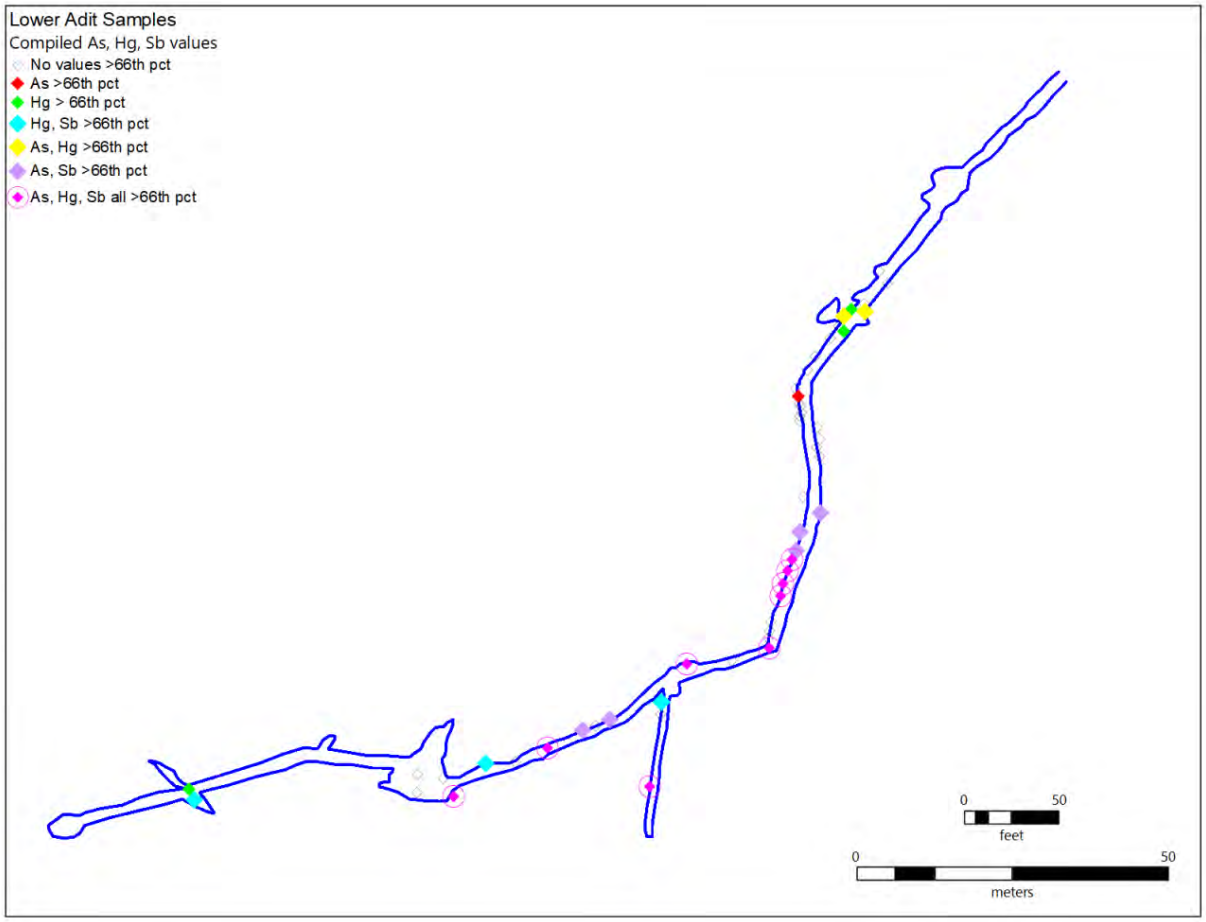

Figure 38. Lower Adit: As, Hg, Sb correlation map

Figure 38 shows the area with the low temperature geochemical correlation. When compared to the geologic maps shown in Figure 2, both the Au-Bi-Te and As-Sb-Hg groups are associated with the wide breccia +/- alteration zone, but the lower temperature group seems to be predominant. This is likely a crosscutting event superposed on the older higher temperature mineralization.

Figure 39. Lower Adit Portal

Figure 39 shows the newly opened portal to the Lower Adit. All the material from the highwall above the portal to about where the photo begins was removed by hand.

Figure 40. McNary Lower Adit: Quartz - Tourmaline Vein

9.4.3 Soil Sampling

A 301-station soil sampling program was conducted in December 2019 to help find extensions of the known McNary mineralization and to evaluate adjacent open ground to guide additional property acquisitions. Of the 301 sample sites, 195 in the core of the property were collected at 25-meter intervals along lines spaced 50 meters apart. The more distal portions of the property and adjacent open ground were sampled at 50-meter intervals on lines spaced 100 meters apart. Samples were offset by one half of the sample spacing along adjacent lines to catch narrow structures and alteration bands.

The soil sampling program showed several interesting trends of different elemental associations across the property and adjacent open ground. The primary association is gold-silver-bismuth-tellurium +/- copper and cobalt. This association is also observed in the highest-grade samples from the workings but not in the general population from the underground and surface rock samples. This assemblage is typical of mesothermal orogenic gold deposits and skarns (Robert et al, 2007). A second group of “low temperature” elements (As, Hg, Sb) appears to crosscut the first group along a different structural trend (see figures below).

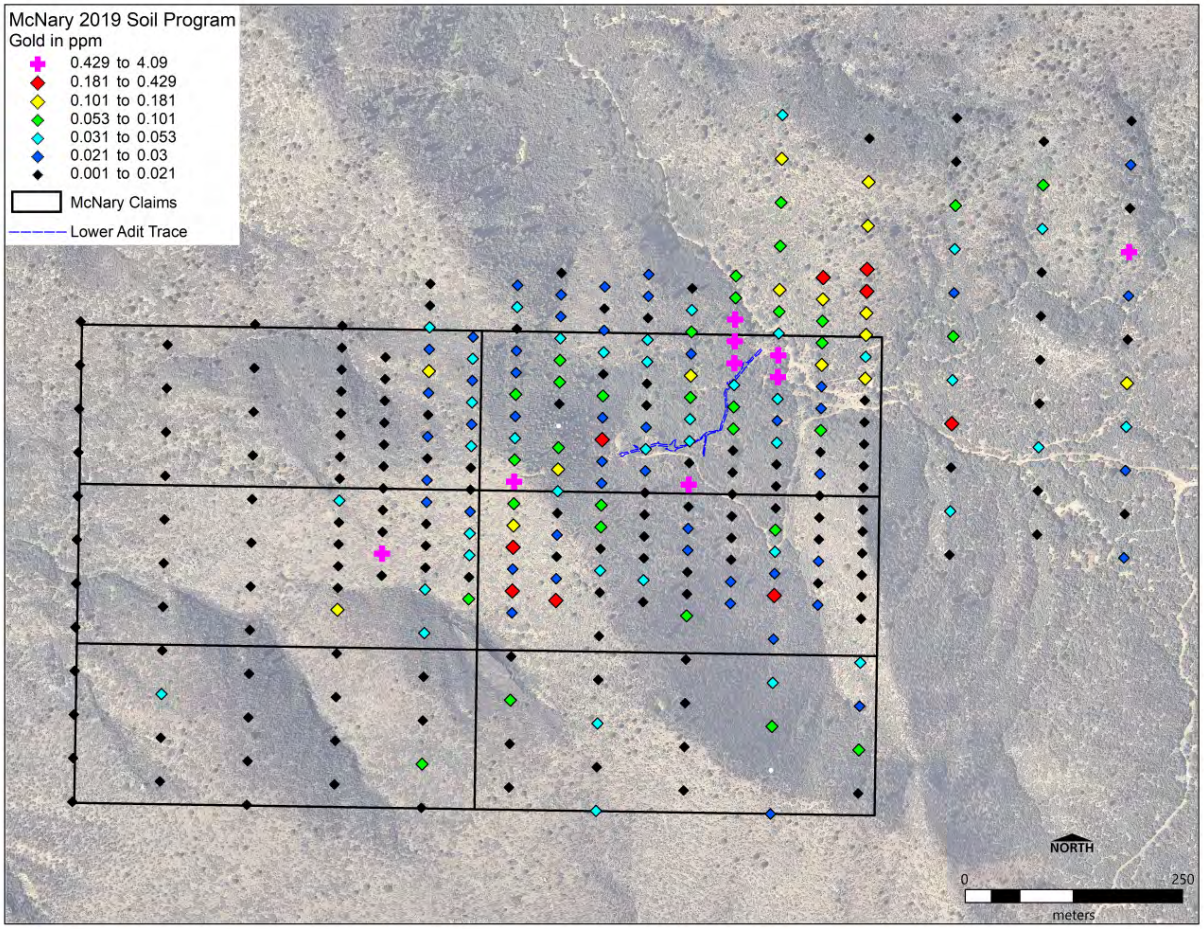

Figure 41. McNary 2019 Soil Samples - Gold in ppm

Gold values show a strong northeast trend across the property and adjoining ground to the east. Some of the high values around the adit and adjacent drainage may be contamination from the waste dump, but an effort was made to avoid sampling in obvious man-made disturbance. Given that the anomaly climbs the hill to the north, this pattern is likely geologic, not a result of contamination. The highest value of 4.09 ppm (the northernmost of a string of three strongly anomalous samples northwest of the adit in Figure 43 above) is on a hillside with a small drainage between it and the flow path from the adit waste dump, so is likely natural.

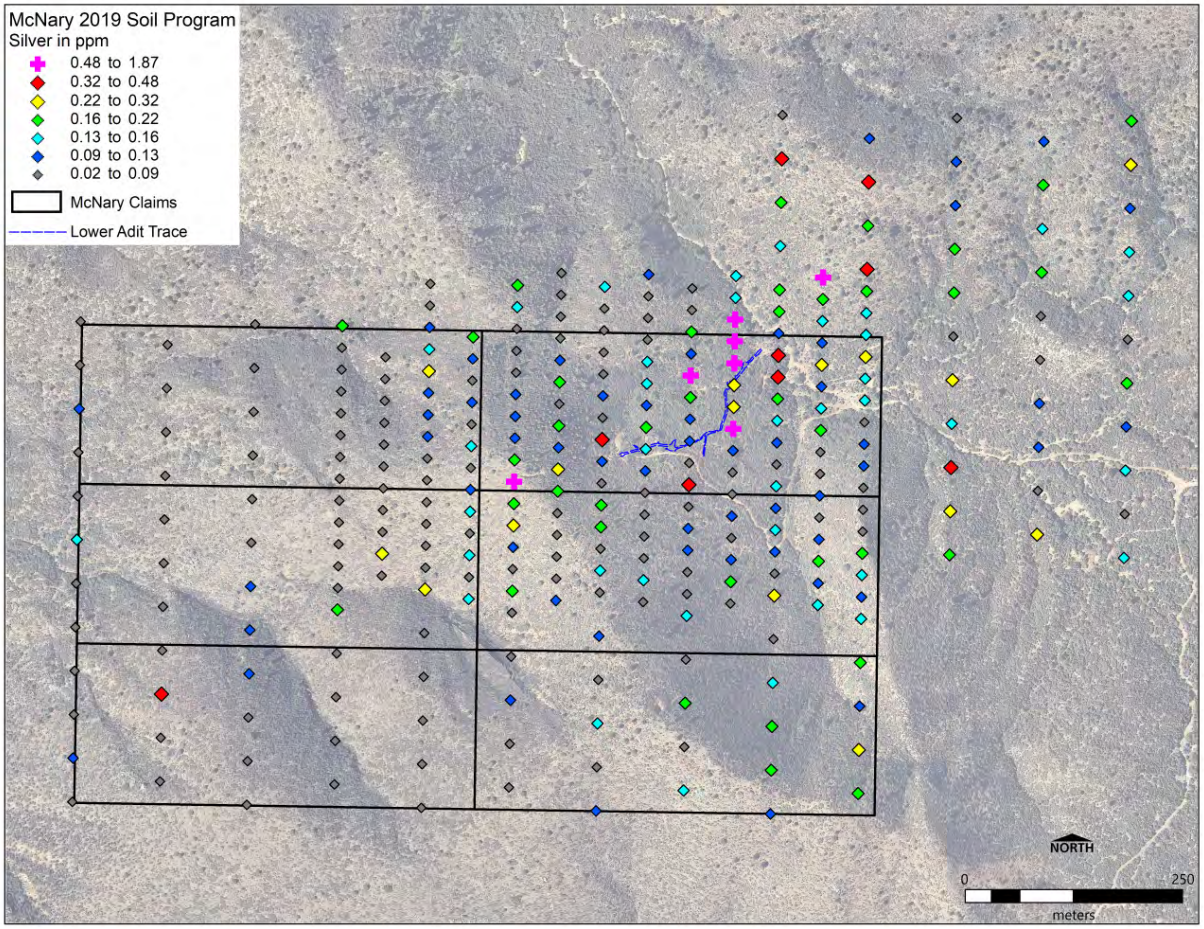

Figure 42. McNary 2019 soil samples - Silver in ppm

Silver tracks gold as shown in Figure 42,but is also associated with the lower temperature suite in the correlation table. Overall values are low, with the best silver value being about one quarter of the best gold value. A partial explanation for this pattern may be silver is more soluble than gold in the weathering environment and is leached away.

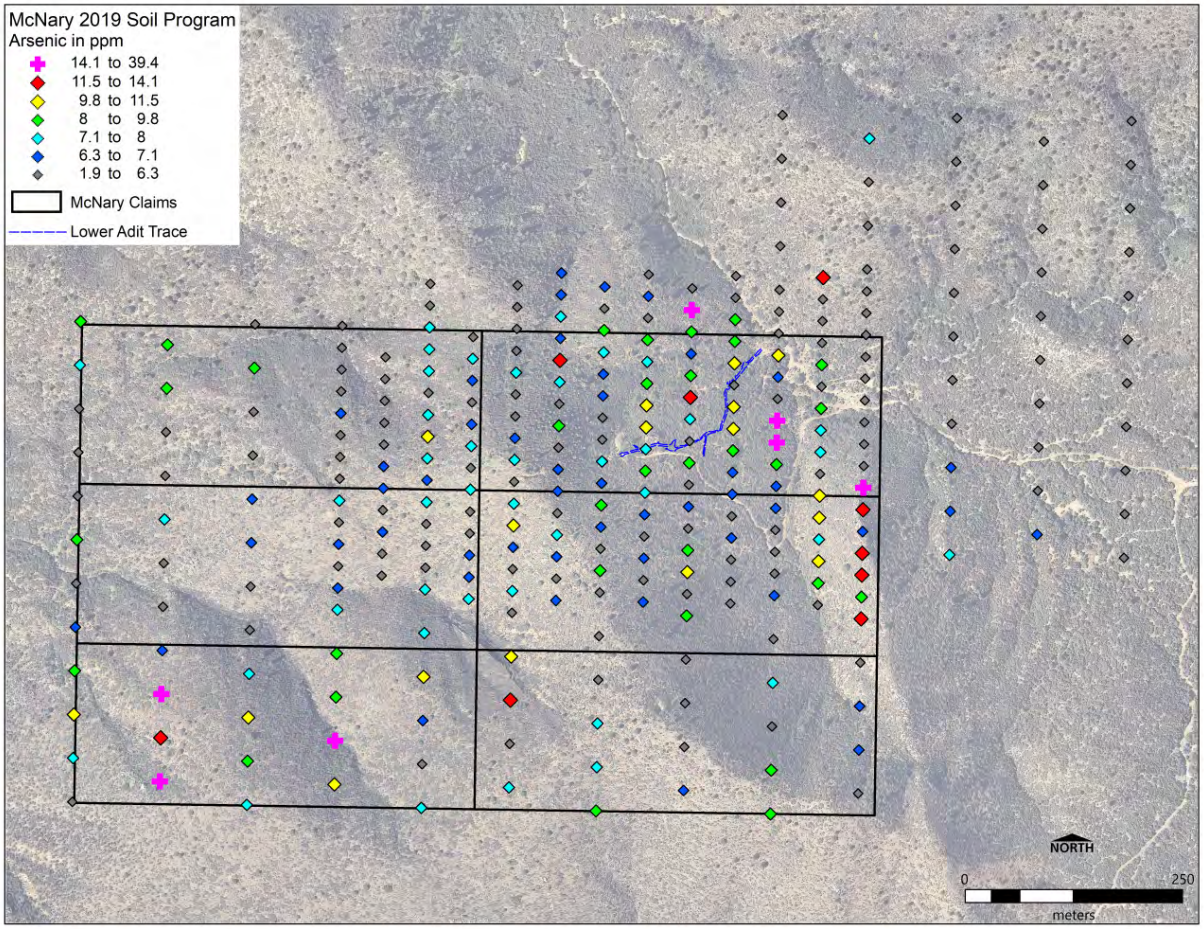

Figure 43. McNary 2019 Soil Samples - Arsenic in ppm

The arsenic values shown in Figure 43 show an apparent northwest to west-northwest pattern that crosscuts the northeast-trending gold pattern. Overall, arsenic and other toxic elements are low in the area, with a high value of about 40 ppm. There is a weak correlation between gold and arsenic in the underground and high-grade samples; this is likely reflected in the isolated anomalous arsenic values along the NE-trending gold anomaly.

The stronger (but still subdued in a true geochemical sense) values to the southwest may indicate a volcanic rock type, compared to the intrusive and metamorphic rocks near the workings. The “low temperature” elemental suite shows strong correlation along the northwest-trending band and follows a zone in the SWIR data where kaolinite is the most common mineral and montmorillonite is the second most common mineral.

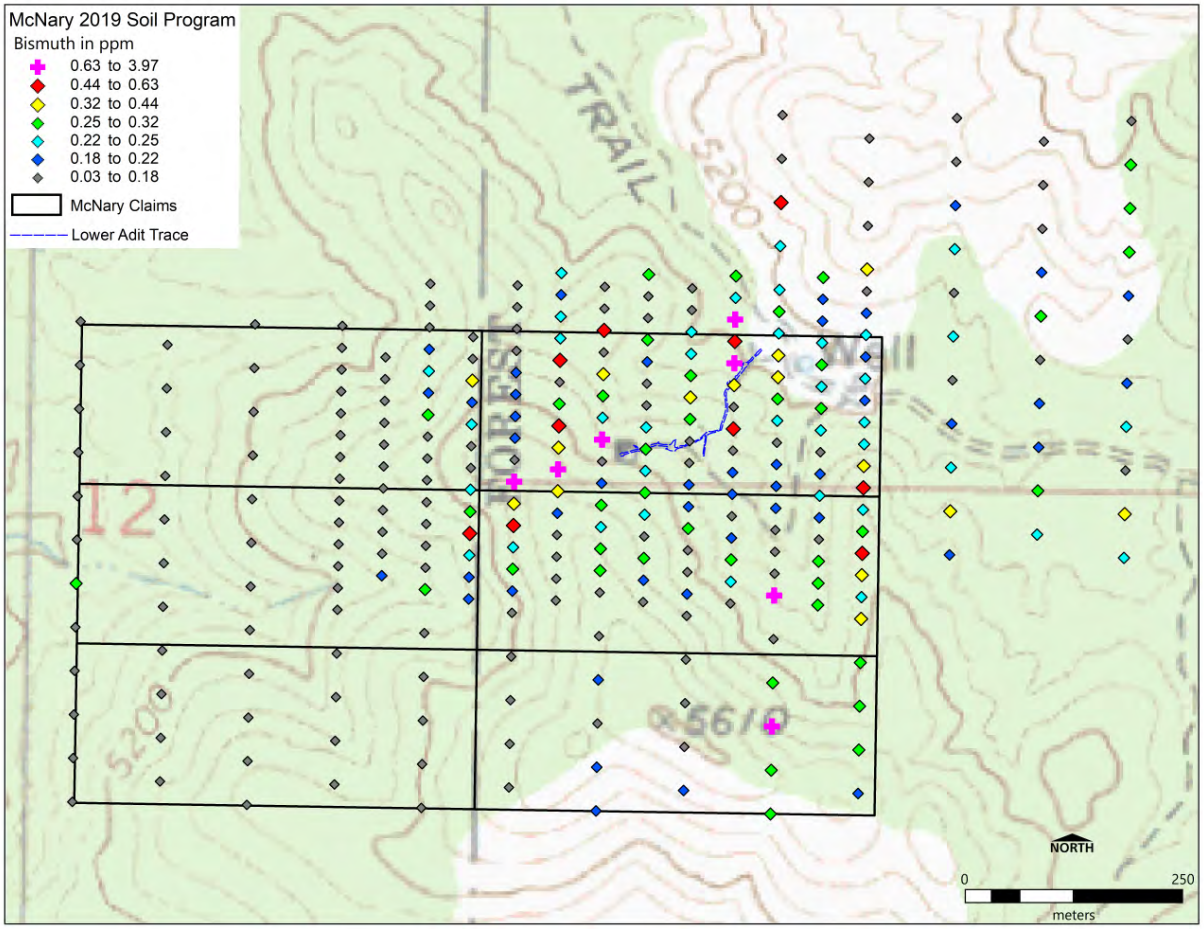

Figure 44. McNary 2019 Soil Program - Bismuth in ppm

Figure 44 shows bismuth follows the northeast trend along with gold but is somewhat reduced north of the shaft. This is also an area of subdued gold but increased arsenic, suggesting the lower temperature overprint may have remobilized the gold, or this indicates a dead zone between structures. It is also possible this is a zone of recessively weathering breccia and alteration that is mantled by less mineralized colluvium from above.

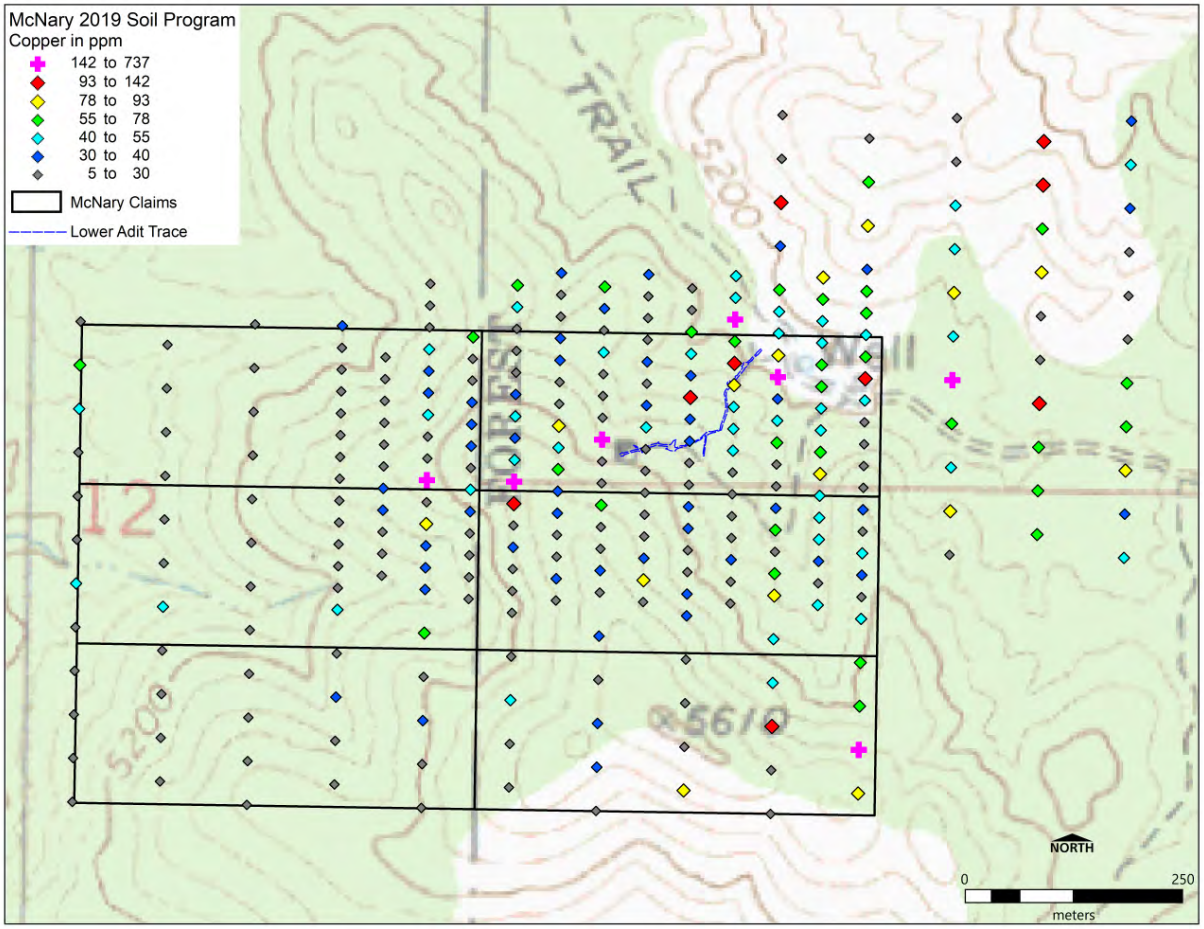

Figure 45. McNary 2019 Soils - Copper in ppm

Copper (Figure 44) is associated with high grade gold in the vein samples but at a low level (~2,000 ppm) and follows the northeast-trending gold anomaly but also shows a few anomalous samples in the southeast corner of the property. Values overall are low to moderate for this type of geology. Since there is a porphyry copper deposit to the northeast and numerous copper shows are found throughout the district, copper is likely to be associated with fluid flow of multiple ages.

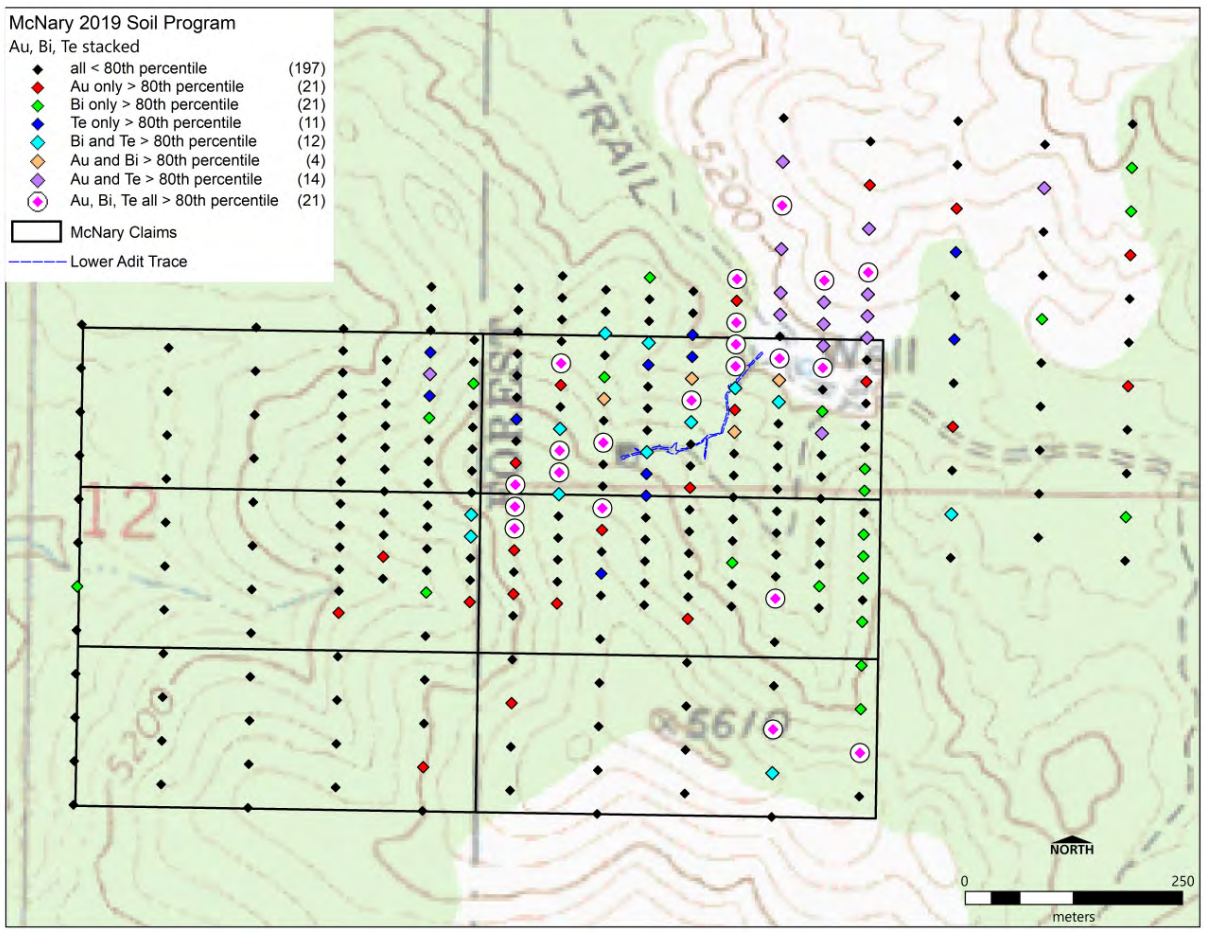

Figure 46. McNary 2019 Soil samples - Stacked Au, Bi, Te

Figure 46 shows the tri-variate results for anomalous Au, Bi, and Te; these show the anomalous samples (at or above the 80th percentile) by which elements are present at that level. The magenta dots within a white circle are those where all three elements are present at anomalous levels. This a more qualitative representation than a correlation coefficient. If a sample had gold at the 98th percentile level, bismuth at the 90th, and tellurium at the 82nd, the scatter around the average slope of the line would be high, yielding a lower correlation coefficient. This method also works well to highlight subsets of the data if only a few of the samples show strong correlation between elements.

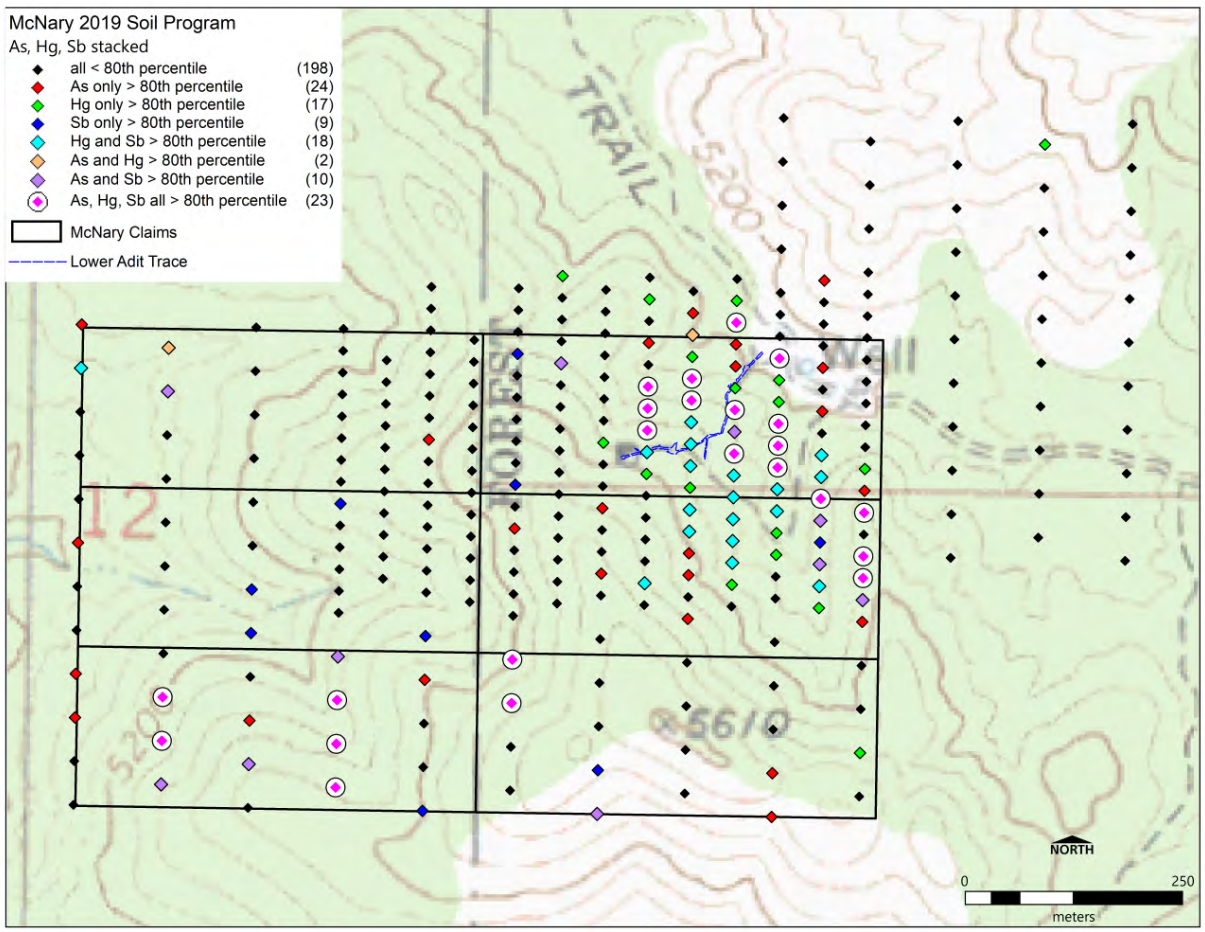

Figure 47. McNary 2019 soil samples - Stacked As, Hg, Sb

The tri-variant plot for As, Hg, and Sb (Figure 47) highlights the northwest-trending band of lower temperature elements near the workings and the anomalous values to the southwest. Since fluids tend to follow existing pathways unless the structural kinematics close them off, it is unexpected to see that the northwest trend to the low temperature assemblage does not also follow the (presumed) older northeast trend.

9.4.4 Analytical Quality Control

Analytical and sampling quality assurance /quality control (Qa/Qc) samples were inserted every 20th sample (~5% of the sample set were Qa/Qc samples). These included two standards as well as field duplicates. The standards were OREAS 21E and OREAS 263. Sample results are shown in the table below. The results were in good agreement. Some variation is expected between the labs used for the certification process and any individual lab. The most crucial factor is determining if standards return consistent values between batches and within batches. This assures subtle differences between areas of the property are real and not artifacts of lab inconsistencies.

Table 10. 2019 Soil samples: results from standards

Sample	Standard	Au	Ag	As	Bi	Cu	Hg	Pb	Sb	Te	Job number
A904120	O-21E	<0.001	<0.01	0.6	0.01	4.5	<0.01	0.3	0.05	<0.01	RE19323105
A904140	O-21E	0.001	<0.01	0.6	0.01	4.5	<0.01	0.3	0.05	<0.01	RE19323105
A904180	O-21E	<0.001	<0.01	0.6	0.01	4.2	<0.01	0.3	<0.05	<0.01	RE19323102
A904220	O-21E	<0.001	<0.01	0.6	0.01	4.4	<0.01	0.3	<0.05	<0.01	RE19323102
A904260	O-21E	<0.001	<0.01	0.5	0.01	4.6	<0.01	0.3	0.05	<0.01	RE19323102
A904280	O-21E	0.001	<0.01	0.6	0.01	4.6	<0.01	0.3	0.05	<0.01	RE19323102
Average				0.6	0.0	4.5	<0.01	0.3	0.1	<0.01	
Certified value*		<0.001	< 0.05	*0.9*	< 0.02	5.7	*0.02*	< 1	0.21	< 0.05	
A904100	O-263	0.144	0.28	35.2	0.47	85.7	0.17	31.3	6.51	0.22	RE19323105
A904160	O-263	0.145	0.28	31.9	0.48	86.4	0.17	31.6	7.16	0.21	RE19323102
A904200	O-263	0.145	0.30	33.3	0.48	88.3	0.18	32.1	7.99	0.22	RE19323102
A904240	O-263	0.144	0.29	33.6	0.48	86.5	0.18	31.9	7.73	0.22	RE19323102
A904300	O-263	0.151	0.31	31.3	0.49	81.2	0.18	31.9	6.18	0.24	RE19323109
Average		0.146	0.29	33.1	0.48	85.6	0.18	31.8	7.11	0.22	
Certified value**		0.166	0.285	30.8	0.57	86.5	0.17	34.0	7.37	0.21	
*Oreas 21E gold value by fire assay, traces by 4 acid digestion											
*Values in *italics (As, Hg) are "indicated values",* lacking a sufficient number of analyses to be certified											
**Oreas 263 gold and trace element values from aqua regia digestion											

As noted in Table 10, the “Certified Value” for the different standards uses different methods. For standard OREAS-21E (essentially a blank), gold was run by fire assay 4-acid digestion for the trace elements. This gives a slightly higher value for some elements than were obtained by the weakened aqua regia digestion used for the soils. Values presented here for standard OREAS-263 were run using an aqua regia digestion and should yield results comparable to the soil method. Arsenic shows a 10% difference between the accepted value and the analytical results. These are within acceptable error: the run to run values for the soils are internally consistent which is the main concern here.

Table 11. Soil duplicates

Sample	Pair	Au	Ag	As	Bi	Cu	Hg	Pb	Sb	Te	Job
A904317	dup 4050	0.004	0.06	5.3	0.07	17.2	0.04	6.2	0.32	0.02	RE19323109
A904050	4050	0.009	0.05	5.4	0.06	16.7	0.03	5.7	0.31	0.01	RE19323105
A904318	dup 4101	0.043	0.09	6.8	0.13	20.4	0.05	10.9	0.47	0.14	RE19323109
A904101	4101	0.046	0.09	7.5	0.15	23.4	0.05	11.2	0.73	0.17	RE19323105
A904319	dup 4150	0.066	0.22	8.4	0.3	56.1	0.06	11	0.35	0.64	RE19323109
A904150	4150	0.059	0.2	8.4	0.29	59.6	0.05	10.5	0.4	0.61	RE19323102
A904321	dup 4199	0.028	0.08	4.8	0.1	14.6	0.14	19.5	0.23	0.09	RE19323109
A904199	4199	0.027	0.08	5	0.1	16.5	0.15	19.3	0.27	0.1	RE19323102
A904322	dup 4250	0.066	0.18	8.1	0.22	39.3	0.18	20.6	1.06	0.35	RE19323109
A904250	4250	0.074	0.18	7.9	0.22	53.1	0.2	19.6	1.12	0.38	RE19323102
A904323	dup 4299	0.007	0.07	2.4	0.04	20.4	0.02	12.5	0.09	0.02	RE19323109
A904299	4299	0.005	0.07	2.2	0.04	18.9	0.02	11.7	0.08	0.02	RE19323109
A904324	dup 4210	0.069	0.26	7.3	0.23	59.3	0.99	18	1.06	0.36	RE19323109
A904210	4210	0.044	0.27	5.6	0.41	87.7	1.19	278	2.16	0.35	RE19323102
Average difference		27%	4%	8%	13%	16%	12%	29%	23%	16%	

Field duplicates measure both the laboratory repeatability and sampling repeatability. Since laboratory batch error was shown to be negligible by the standards, the differences between paired samples show sampling variability. These are “same hole” duplicates where the paired samples were taken from the same sample site by the same sampler rather than digging a separate hole or at a different time. The high variability for Au and Pb at the 4210 pair suggests an error in analysis, field labeling, or a highly variable site.

9.5 Mineralogical Scanning

In an effort to glean additional alteration information, sample rejects from the soils, autumn 2019 surface rocks, and the underground samples were scanned using a TerraSpec® Short Wave Infrared (SWIR) and Visible and Near Infrared (VNIR) by ALS in their Reno, Nevada laboratory (ALS method TRSPEC-20, INTERP-11).

The results are presented in a spreadsheet with some 70 columns of data (Appendix 7),some of it relevant to this property. At this point, only a few columns of data have been plotted and no

single mineral is associated with gold. However, a couple of patterns are emerging that appear to relate to zones of different geochemical associations.

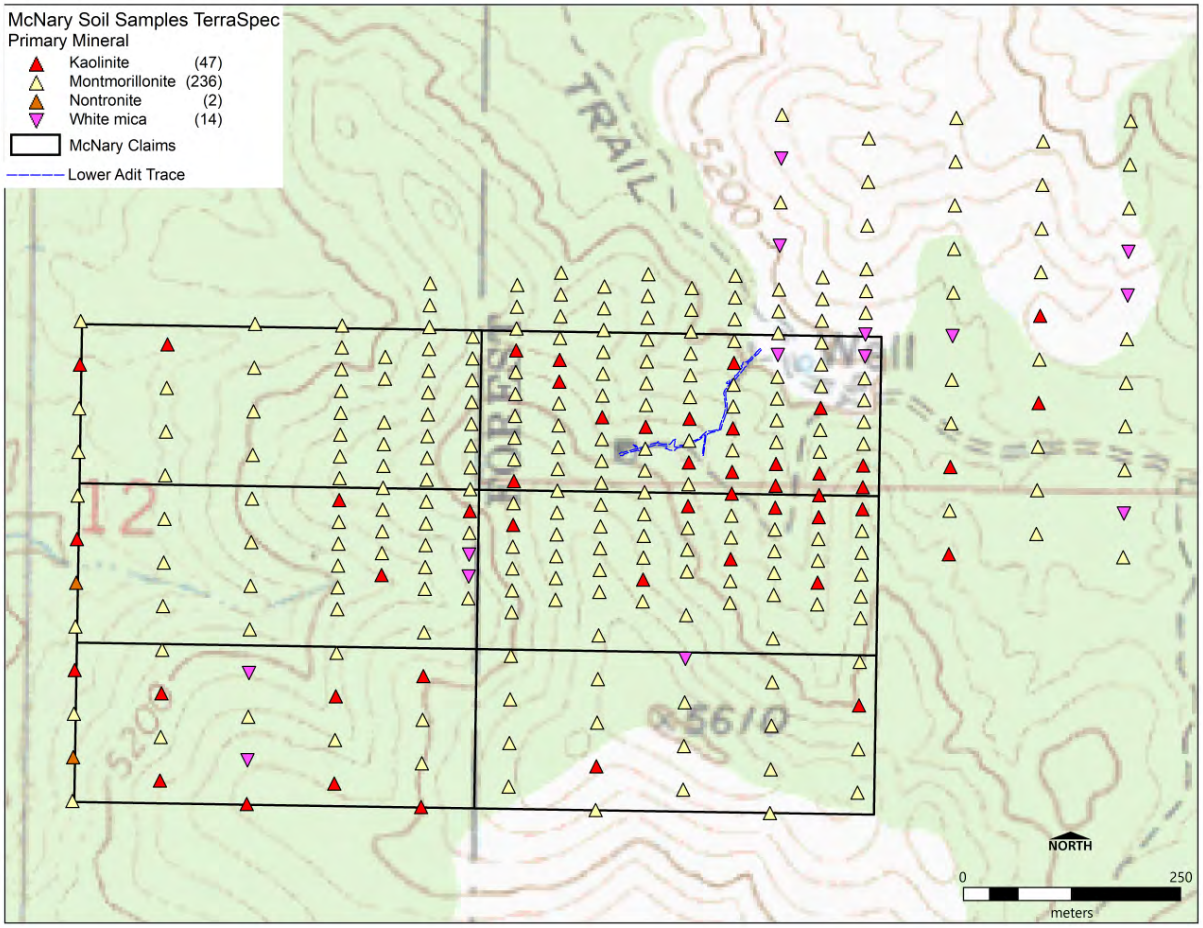

Figure 48. Soil reject TerraSpec Scan - dominant mineral

The map above shows the most abundant mineral in each sample; a good correlation is evident with the low temperature geochemical suite and kaolinite vs. montmorillonite.

10.0 Drilling

There are no known drill sites on the property. All the known subsurface exploration to date was accomplished with underground mining.

11.0 Sample Preparation, Analysis, and Security

Sample procedures for the historic reports are unknown. Contractors for Redline have conducted four rounds of rock chip sampling and one soil sampling program. Sample collection, security, and analysis were similar for each round of sampling and were within industry standards.

11.1 All samples collected by Redline in 2018 and 2019 were prepared and analyzed by ALS Global Laboratories, a major independent mineral and environmental analytical corporation. ALS is an SCC Accredited lab and is certified under the ISO/IEC 17025:2017 Accredited Methods in North America standard. The specific security, sample preparation, and analytical methods for each sampling campaign are discussed in detail below. In the author's (Morris) opinion, the collection, security, sample preparation, and analytical methods meet or exceed what is considered industry standard for exploration samples.
Surface Rock Samples

Michael Feinstein (Redline contract geologist) collected 18 samples from the property in November 2018 (Feinstein, 2019) as part of his property evaluation and mapping program. The author (Morris) collected ten samples on May 15, 2019 as part of a property site visit for this 43-101 report. Another 14 rock samples were collected during the soil survey by Barney Lee Green Portillo and Morris in December 2019. Feinstein collected 61 surface and underground samples as part of the December 2019 underground mapping and sampling program.

The 2018 Feinstein samples were kept in a locked vehicle until their hand delivery to the ALS Analytical preparation facility in Tucson, Arizona on November 11, 2018. Samples were prepared using the ALS method PREP-31Y (crush to 70% < 2mm, rotary split off 250 grams, pulverize to >85% passing 75 micron screen), and the pulps shipped to their Vancouver, B.C. analytical laboratory. The samples were analyzed by their MEMS41 trace method. This method uses a 0.5 gram sample digested in aqua regia and analyzed by a mix of Mass Spectrometry and Optical Emission Spectrometry. Samples with detectable (>0.1 ppm) gold with this method were reanalyzed by Fire Assay with an Atomic Absorption finish. Samples with over-limit values in base metals for the MEMS41 method were reanalyzed by ALS method OG46 (an aqua regia leach of a 0.40 gram sample charge and analysis by Atomic Absorption Spectrometry).

Samples collected by the author (Morris) in May, 2019 were kept in direct custody until they were packed into five gallon plastic buckets, sealed, placed in heavy corrugated paper over wraps, and shipped via Federal Express Ground from Prescott, Arizona to the ALS Tucson, Arizona prep lab. Samples were shipped on May 16, 2019 and received the next day. Samples were crushed and pulverized at the Tucson facility; the pulps were shipped to the ALS North Vancouver, B.C. laboratory for analysis.

Samples were analyzed for trace elements by ALS MEMS 41 method and gold by their AuICP22 method, a 50 gram fire assay followed by dissolution and ICP analysis of the resulting bead. Samples with >10 ppm Au with this method were rerun using method Au-GRA22, a 50

gram fire assay followed by gravimetric finish. One envelope of certified reference standard and one blank rock sample were included in the shipment which also included samples from another nearby property.

Quality control samples showed satisfactory results for the field duplicate pair, and the result from the certified standard (ORAS 603) was within acceptable range.

The rock samples collected during the soil program were kept at the adit crew camp until they were transferred to the project geologist's truck (Morris) and transported to his locked office/shop building in Spring Creek, Nevada where they were sorted, logged, and standard material inserted into the sample stream.

The samples were delivered to the ALS prep lab in Elko, Nevada on December 26, 2019 where they were prepared using the ALS Prep31 method that is the same as the Prep31Y described above except the 250 gram split is done with a riffle splitter rather than a rotary splitter. Analytical methods were the ALS AUICP21 30 gram fire assay followed by dissolving the bead in aqua regia followed by ICP-Atomic Emission Spectrometry (AES). Trace elements were determined by the MEMS61M method which uses a four acid (HCl, HNO3, HClO4, HF) digestion of a 0.25g sample followed by Mass Spectrometry. With this package, mercury is determined by a different procedure that keeps the digestion and processing temperature low enough to prevent volatilization. The quality control samples came back within acceptable ranges.

11.2 Soil Samples

Soil samples were initially stored at the adit work camp site and then in the project geologist's (Morris) vehicle. Samples were then transported by the geologist to his office/shop building in Spring Creek, Nevada where they were sorted, and Qa/Qc samples were inserted into the sample stream. The samples were delivered to the ALS Global sample preparation lab in Elko, Nevada on December 18, 2019.

Samples were prepared using the "Prep-41" with low temperature drying and sieving to -180 micron (-80 mesh) at the ALS lab in Reno, Nevada and pulps shipped to the ALS facility in North Vancouver, BC for analysis. Analytical method of the soils was the ALS "AuME-TL43" method using a 25 gram sample aliquot leached aqua regia (3:1 HCL, HNO3) and analyzed by mass spectrometry and optical emission spectrometry for 51 elements.

11.3 Underground Samples

Samples collected on the surface and underground by Feinstein were kept in a locked vehicle until they were shipped via UPS to the ALS sample preparation lab in Tucson, Arizona arriving December 24, 2019. The samples were prepared using the Prep-31 method described above and analyzed the Au-AA26 method: fire assay using a 50-gram sample charge to reduce nugget effect followed by aqua regia and Atomic Absorption Spectrophotometry. Trace elements were determined by the ME-MS41 method which uses a 0.5-gram sample digested in aqua regia and analyzed by Optical Emission Spectrophotometry and Mass Spectrometry.

12.0 Data Verification

The original data set consisted of the 18 rock chip samples collected and reported by Feinstein, 2019. All the Assay Certificates are available in hard copy and digital format. The certificate values match those in the database. Field examinations of some of the sample sites and the samples the author (Morris) collected verify the locations and results of the samples.

Geophysical results contain their own internal checks that appear to be adequate for the work that was done.

Land records in the BLM LR200 database and the Yavapai County recorder's office agree with the owner's assertions. The paper trail of intercompany transfers of the property ownership are intact and appear to be correct.

Digital or hard copies for the cited references were obtained by the author (Morris) for comparison to the Feinstein (2019) report. Additionally, the original Johnson, 1955 maps and text were found in the University of Utah Library in Salt Lake City, Utah and scanned by the university for Redline's use and incorporation in the University's electronic data library.

The records from the December 2019 field work in the author's (Morris) possession are in digital format. Paper copies of the Certificates of Assay are available in the Redline office.

It is the author's (Morris)opinion that the data verification and data adequacy is sufficient for the purpose of this report. All historical information included in the report can be traced to the original sources and is correctly abstracted from those sources. Analytical Information generated by the current claim owner can also be verified as to accuracy and was performed under the direction of the Authors.

13.0 Mineral Processing and Metallurgy

Sections 13: *Mineral Processing and Metallurgical Testing,* 14: *Mineral Resource Estimates,* 15: *Mineral Reserve Estimates,* 16: *Mining Methods,* 17: *Recovery Methods,* 18: *Project Infrastructure,* 19: *Market Studies and Contracts*, 20: *Environmental Studies, Permitting , and Social or Community Impact,* 21: *Capital and Operating Costs,* and 22*: Economic Analysis,* of the NI 43-101 reporting format are not applicable to this report.

23.0 Adjacent Properties

A search of the BLM LR2000 claim records database shows a few active claim blocks in the vicinity of the property. Most of these are placer claims which only give the owner rights to unconsolidated materials within the claim. These do not represent a conflict to the consolidated rock covered by the lode claims.

Phelps-Dodge / Freeport McMoRan still owns the Copper Basin Mine. These are patented claims and therefore private property. As discussed in the history section, this property produced primarily oxide copper with quartz veins from beet-shaped breccia pipes in a porphyry copper geologic environment. Most of the material was used for smelter flux where silica was the primary commercial component, but copper was also recovered in the process (Christman, 1978).

Other previously producing properties in the area include the US Navy Mine and Arizona-Boston massive sulfide bodies to the north, and the Loma Prieta and Copper Hill gold – base metal veins to the southeast. None of these operations had significant production and do not appear to be of the quartz-tourmaline-gold vein type seen at McNary.

24.0 Other Relevant Data and Information

The authors are not aware of any other information about the project area that has not been discussed.

25.0 Interpretation and Conclusions

Modern exploration of the property is at an early stage. Much progress has been made since Redline first acquired it. Opening, mapping, and sampling of the lower adit added significantly to the geologic understanding of the property. The soil geochemical survey and additional surface rock samples along with the soil reject and rock chip mineralogic scanning have identified new target areas for additional work.

Previous workers conducted regional airborne magnetic and TDEM surveys which add to the understanding of the district, but their resolutions were too coarse for direct detection of targets the size of the McNary Vein. The records for the historic mining seem to be spotty at best but do indicate some gold production from McNary.

The McNary Mine area fits the general geologic model for an orogenic type gold occurrence. Geologic characteristics such as quartz-tourmaline veins, micaceous alteration, and gold – bismuth - tellurium mineralization is consistent with this working exploration model. Initial sampling confirms the high-grade nature of the mineralization previously mined. Independent sampling by the author (Morris) supports the values obtained by the owners. The question to be answered is if there is enough mineralization in the project area to support an economic mining operation.

Although the surface footprint of the known mineralization is small, suggestions of increased width and depth of the vein based on surface exposures and material observed on the lower access adit dump do exist. While the 80 ft (24 m) intercept of ~ 8.9 g/T Au mentioned in Keays, 1930 was not found during the 2019 work, a breccia zone with anomalous (up to 630 ppb) Au was encountered so the potential for a bulk tonnage type target may still be viable.

Results from the soil survey and associated mineralogical work show two distinct trends of mineralization: first a higher temperature Au-Bi-Te suite that trends NE – SW starting near the

McNary shaft and trending up the southwest facing slopes of hill 5825. The second trend is a lower temperature As-Sb-Hg suite: this trend is more silver rich but does have some associated gold values that trend west-northwest, crosscutting the lower adit as a breccia body and might represent a second mineralization target style.

Based on the December 2019 work program, previous reconnaissance scale work, and reports from historic mining activities, the evidence points to the conclusion that the property has merit for additional exploration.

While the authors believe the information collected to date is accurate and their interpretations are geologically justifiable, geology and mineralization are natural systems and notoriously capricious. This project is at an early stage of exploration and has multiple uncertainties regarding the size, extent, grade, or types of mineralization that may (or may not) be discovered by future work.

26.0 Recommendations

The recommended exploration work at McNary is designed to increase the geologic knowledge of the property to aid drill targeting, followed by core or reverse circulation drilling. Recommendations for continued work include additional geologic mapping, prospecting, and rock chip sampling, concentrating on collecting more structural information to better define vein targets. This work would be guided by the soil results and probably be concentrated on the slopes below and across the drainage from the lower working. Surface work on the north facing slopes except along road cuts and ridgelines is not likely to be productive due to recessive weathering and the heavy brush in this area.

Detailed geologic study of the exposed veins and alteration zones should be conducted with the goal of building a 3D computer model of the vein structures. Mineral types and geochemical sampling should also be used to differentiate which structural sets are carrying gold mineralization vs. younger unmineralized but altered structures. Use of a Short Wave Infrared (SWI) device to identify alteration mineralogy might help with these determinations.

Other than the Phase I surface program, any efforts to rehabilitate the old roads on the property or construct drilling operations will require approval for a Plan of Operations from the Forest Service and posting of a reclamation bond. The full Phase I program of surface sampling and geophysical exploration would total US$110,000 (C$156,000).

The budget includes a second phase consisting of drilling about 1,000 meters (3,300 feet) of reverse circulation or core drilling. This would be predicated on the results of the surface exploration showing mineralization extending along strike and / or dip. For this second phase, the reverse circulation drilling budget would be $272,000 (C$385,000) and with core drilling, $430,000 (C$609,000).

Table 12. Phase I Exploration Budget ($ US)

Phase 1	Geology, Geophysics	Count	Unit	Price	Cost (US$)
Geology	Geologist	18	days	600	$10,800
	Field Costs - includes vehicles	12	days	230	$2,760
	Travel	1	round trip	1,000	$1,000
	Rock Chip Geochemistry	200	each	55	$11,000
	Soil sampling (collect +assay)	200	each	60	$12,000
	Hand Trenching	5	days	1,000	$5,000
	Contingency - supplies				2440
					$46,000
Geophysics	CSAMT / MT or IP data collection	1	each	50,000	50,000
	Drone Aerial magnetics	1	each	12,000	15,000
				Total	$110,000

Table 13. Phase II Exploration Budget - R/C option

Phase II	**R/C Drilling**	**Count**	**Unit**	**Price**	**Cost**
Permits	USFS / BLM permits / studies	1			$10,000
	Bond	1			$31,500
Drilling	Road and Drill Site Construction	40	hours	175	$7,000
	Road and Drill Site Reclamation	40	hours	175	$7,000
	R/C Drilling	3300	foot	35	$115,500
	Drill Sample Bags	750	each	2	$1,500
	Chip Trays	40	each	2.5	$100
Analysis	Assays	660	each	55	$36,300
	Assays / QC	66	each	55	$3,630
	Misc. Drill Supplies	3300	foot	0.25	$825
Geology	Geologist	24	days	600	$14,400
	Assistant Geologist	20	days	350	$7,000
	Field Costs - includes vehicles	38	days	230	$8,740
	Travel	4	round trip	1,000	$4,000
	Contingency				$24,750
					$272,000

Table 14. Phase II Exploration Budget - Core option

Phase II	Core Drilling	Count	Unit	Price	Cost
Permits	USFS / BLM permits / studies	1			$10,000
	Bond	1			$31,500
Drilling	Road and Drill Site Construction	40	hours	175	$7,000
	Road and Drill Site Reclamation	40	hours	175	$7,000
	Core Drilling	3000	foot	75	$225,000
	Misc. Drill Supplies	3000	foot	0.25	$750
Analysis	Assays	750	each	55	$41,250
	Assays / QC	75	each	55	$4,125
	Core Processing	3000	foot	8	$24,000
	Mineralogical Scans	3000	foot	5.8	$17,400
Geology	Geologist	30	days	600	$18,000
	Assistant Geologist	25	days	350	$8,750
	Field Costs - includes vehicles	47	days	230	$10,810
	Travel	4	round trip	1,000	$4,000
	Contingency				$20,415
					$430,000

27.0 Certificate of Qualified Person – Alan J. Morris

To accompany the report entitled "*NI-43-101 Technical Report, McNary Project, Yavapai County, Arizona, USA*", prepared for Redline Resources Inc. (Redline) dated March 31, 2021 with effective date March 30, 2021.

I, Alan Jesse Morris, residing in Spring Creek, Nevada, USA do hereby certify that:

1.) I am the principal geologist with Ruby Mountain GIS with an office at 237 Ashford Drive, Spring Creek, Nevada, 89815, USA.

2.) I graduated with a Bachelor of Science degree in Geology from Fort Lewis College, Durango, Colorado in 1976 and a Master of Science Degree in Geographical Information Science from Manchester Metropolitan University in 2003. I have over 40 years of geologic mineral exploration experience in the western United States, Alaska, and Yukon, Canada. My primary experience is with early stage generative projects and mid-stage drill projects for precious metals, base metals, uranium, and lithium.

3.) I am a Certified Professional Geologist with the American Institute of Professional Geologists, registry number 10550. I am a Licensed Geologist in the State of Utah, USA (5411614-2250) and a Registered Professional Geologist in the State of Alaska, USA (555). Nevada does not have a registration or licensing program for exploration geologists.

4.) I visited the McNary Property on May 14, 2019 and reviewed the property geology, exposed mineralization, and access. In addition, I collected a suite of ten (10) samples to confirm the analytical values previously obtained by Redline Minerals. I subsequently designed the soil sampling program conducted December 9-15, 2019 and collected 146 soil samples and 10 additional rock samples and performed geologic reconnaissance during that time.

5.) I have read the definition of a "qualified person" set out in National Instrument 43-101 and certify by virtue of my education, affiliation to a professional association and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of National Instrument 43-101 *Standards of Disclosure of Mineral Projects* (NI 43-101) and Form 43-101F1.

6.) I, as a qualified person, am independent of the property, the vendor, and the issuer as defined in Section 1.5 of National Instrument 43-101.

7.) I and co-author Michael Feinstein are responsible for this report in its entirety.

8.) I visited the property prior to the preparation of this report.

9.) I have read National Instrument 43-101, and this report has been prepared in compliance with the instrument.

10.) I hereby consent to the public filing of the technical report entitled "*NI-43-101 Technical Report, McNary Gold Mine Project, Yavapai County, Arizona*" (the "Technical Report") and any extracts from or summary of the Technical Report dated March 31 , 2021.

As of the date of this certificate, to the best of my knowledge and information, this report contains all scientific and technical information that is required to be disclosed to make this Technical Report not misleading.

Signed and Sealed

Alan J. Morris, CPG, QP

Dated:

28.0 Certificate of Qualified Person – Michael N. Feinstein

To accompany the report entitled*: "Technical Report, McNary Gold Mine Project, Yavapai County, Arizona, USA"* prepared for Redline Resources, dated March 31, 2021 with an effective date March 30, 2021 (the "Technical Report").

I, Michael N. Feinstein, CPG, PhD do hereby certify that:

I am an economic geologist and the founder/President of MineOro Explorations, LLC, registered in the state of Texas.

My business address is: 1006 Ridgebluff Circle
Leander, Texas 78641 U.S.A.

I am a graduate of Sam Houston State University, with a Bachelor of Science degree in Geology (2005), and a graduate of the University of Texas at El Paso, with a Master of Science degree in Economic Geology (2007) and a Doctorate of Philosophy in Geological Sciences (2011).

I am a Certified Professional Geologist in good standing with the American Institute of Professional Geologists (AIPG-CPG #12031).

I have practiced exploration geology as a profession for over 15 years. I have been directly involved with mineral exploration and property evaluations for base- and precious-metals in the United States, Canada, and Mexico for both private and public U.S., Canadian, and Australian mineral companies. I have held the industry positions of Research Geologist, Project Geologist, Petrophysicist, Data Administrator, Geologist 2, Exploration Manager, and Vice President Exploration, all directly related to mineral exploration project generation, evaluation, development, and discovery.

I personally inspected the McNary Gold Mine Project in November 2018 and December 2019, conducting geological examinations and taking pertinent samples on the property.

I am co-author of the "*Technical Report Technical Report, McNary Gold Mine Project, Yavapai County, Arizona, USA"* prepared for Redline Resources, dated March 31, 2021, and have reviewed all the pertinent information conveyed in the written body of the Technical Report consisting of Sections 1 through 34.

I am independent of the issuer, Redline Resources, and its U.S. subsidiary Redline Mining Corporation, applying the test set out in Section 1.5 of NI 43-101.

I have had no prior involvement with the McNary Gold Mine Project prior to November 2018. I have read National Instrument 43-101 and Form 43-101F1, and the Technical Report has been prepared in compliance with the afore-stated National Instrument and Form.

As of the effective date of this Technical Report, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information required to be disclosed to make the report not misleading.

I hereby consent to the public filing of the technical report entitled "*NI-43-101 Technical Report, McNary Gold Mine Project, Yavapai County, Arizona*" (the "Technical Report") and any extracts from or summary of the Technical Report dated March 31, 2021.

Dated this 31st day of March 2021

Michael N. Feinstein, PhD

AIPG-CPG #12031

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30.0 Appendix 1: Claim listing

Serial Number	Claim Name	Location Date	Claimant	Case Disposition:	Next Payment Due Date:	County	Mer Twp Rng Sec
AZ101620659	CIN-2	5-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 030
AZ101620660	CIN-3	5-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101620661	CIN-4	5-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101620662	CIN-5	5-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101471942	MAC 1	2-Sep-17	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101471943	MAC 2	2-Sep-17	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 030
AZ101471944	MAC 3	2-Sep-17	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 030
AZ101471945	MAC 4	2-Sep-17	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0040W 012
AZ101471946	MAC 5	2-Sep-17	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0040W 012
AZ101471947	MAC 6	2-Sep-17	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0040W 012
AZ101829501	MAC-7	2-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 030
AZ101829502	MAC-8	2-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 030
AZ101829503	MAC-9	2-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101829504	MAC-10	3-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101829505	MAC-11	3-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101829506	MAC-12	3-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101829507	MAC-13	3-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101829508	MAC-14	3-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101829509	MAC-15	2-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101829510	MAC-16	4-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101829511	MAC-17	4-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101829512	MAC-18	4-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101829513	MAC-19	6-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0030W 019
AZ101829514	MAC-20	4-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0040W 012
AZ101829515	MAC-21	2-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0040W 012
AZ101829516	MAC-22	2-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0040W 012
AZ101620654	MAC-23	2-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0040W 012 14 0130N 0040W 001
AZ101620655	MAC-24	2-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0040W 001
AZ101620656	MAC-25	6-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0040W 001

AZ101620657	MAC-26	6-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0040W 012 14 0130N 0040W 001
AZ101620658	MAC-27	5-Sep-20	REDLINE EXPLORATION LTD	ACTIVE	1-Sep-21	YAVAPAI	14 0130N 0040W 012

31.0 Appendix 2: Redline Geochemical Samples

sample#	description	Type	width_m	strike	dip_dir
1426313	Dump grab on highly leached w FeOx also on dump, minor copper conglomerate + schisty qtz/tourm; schist clay w qtz xstals and oxidized sulphides; dump along road between goldhill and mcnary	Grab	X		
1426328	0.9m wide vein, n70w/80s, brecciated texture, highly silicified structure, fine grain dissem. sulphides, some bull qtz w limonite fracture fill, trace schist, basalt in local float	Chip	0.9	n70w	80s
1426329	mcnary mine, 1.1m sample across n65e structure at entry of incline; just below tie down, layered fine-grained intrusives, thin schist, silicified granitoid (gneiss?) w qtz/tourm; along s face of working structure	Chip	1.1	n65e	85n
1426330	1m wide continuous chip across primary working vein on roof pillar and some side qz/tourm; this zone sits alongside the massive 2' wide qtz/tourm vein	Chip	1	n65e	85
1426331	across S-side of last, 3m cont chip, true width 1m, qtz/tourm veins layered w shear zone clay/gouge (smooth micaceous); some qtz/tourm veins w qtz xtals to 2cm and local sulphides, highly oxidized	Chip	3		
1426332	n-half of silicified rib, trends n30w, same description as next, 3.2m	Chip	3.2	n30w	
1426333	chip sample across s-half of mineralized rib; highly silicified w zones of qtz veining and sulphides	Chip	3.7		
1426334	1.3m wide qtz vein; qtz w some tourm, local sulphides, gossaneous red outcrop, n50w/85n	Chip	1.3	n50w	85n
1426335	5m wide silicified structure, collective chip, trend n10-20w/vert	Chip	5		
1426336	silicified rib zone about 25-30' wide; sampled 3 QVs across 1.3m; same silicified bx w FeOx, minor working goes in 15', fault planes curving in and out of each other here, vertical slicks; trend n40w/80n	Chip	1.3	n40w	80n
1426337	small adit, 2.7m chip across 3 diff qtz/tourm veins up to 1" wide, trending n70w/80e-vert	Chip	2.7	n70w	80n
1426338	select grab, upper working on structure behind mcnary shaft; silicified green BX w qtz, calcite, FeOx cavities; breccia is angular, and matrix supported (eruptive/epithermal?)	Grab	X		
1426339	lower mcnary adit dump; red, silicified Bx w FeOx, select grab	Grab	X		
1426340	select grab on qtz/tourm vein w pyrite and other oxidized sulphides	Grab	X		
1426342	Select grab on dump from XL Cinnabar Mine; tiny cut on QV and contact w Tonalite, QV up to 1m wide; this bag QV w 1-2% sulphides, pyrite and other	Grab	X		

1426343	2 of 2 here; this bag is Toanlite host, cooked and fractured, some vugs w sulphides to oxide	Grab	X			
1426352	mineralized QV structure to the east of McNary; n50-70w/70n; 20' pit on the FW of Silicified Rib, Select grab on dump	Grab	X	n60w	70n	
1426353	Leached and cooked Qtz Tonalite, highly leached feldspars, some local silicified veins w oxidized sulphides, approx n60w, FeOx stained fracture, some limonite and hematite	Grab	X	n60w		

Note: all values in PPM unless noted

sample#	Au_AA26	Au	Ag	Al%	As	B	Ba	Be	Bi	Ca%	Cd	Ce	Co	Cr	Cs	Cu	Fe%	Ga	Ge	Hf	Hg
1426313		0.03	0.12	0.5	5.3	<10	90	0.21	0.25	0.61	0.47	21.1	3.8	15	0.09	284	1.13	1.81	<0.05	0.03	0.02
1426328		0.00	0.33	0.39	10.4	<10	720	0.3	0.28	0.07	0.09	42	9.9	13	0.84	99.8	3.2	1.43	0.05	0.02	6.87
1426329		0.05	0.55	0.81	1	<10	150	0.25	0.47	0.13	0.05	56.1	31.3	38	0.82	131.5	2.58	2.49	0.06	<0.02	0.05
1426330	41.90	20.20	8.34	0.5	10.2	10	70	0.21	24.7	0.06	0.04	81.5	44	52	1.54	189.5	13	4.45	0.12	0.02	12.35
1426331	37.10	16.80	5.16	0.32	9.4	<10	110	0.24	14.15	0.05	0.03	26	30.6	60	1.39	181.5	11.75	2.93	0.05	<0.02	6.93
1426332		0.05	0.10	0.59	4.9	<10	1060	0.19	0.19	0.06	0.04	36.3	7.8	14	1.49	10.9	1.33	1.88	<0.05	0.02	11.55
1426333		0.03	0.08	0.46	5.9	<10	530	0.17	0.22	0.05	0.03	41.6	7.3	14	1.96	10.2	1.93	1.72	<0.05	0.02	6.85
1426334	1.10	0.22	0.10	0.89	11.6	10	170	0.41	0.26	0.39	0.04	74.4	6.1	89	11.25	12.1	3.82	4.68	0.14	0.11	0.83
1426335		0.00	0.07	0.49	4.5	<10	160	0.14	0.19	0.09	0.03	51.8	1.4	12	2.07	5.6	1.04	1.82	0.05	0.02	6.25
1426336		0.00	0.05	0.63	4.6	<10	50	0.17	0.05	0.11	0.01	44.4	3.4	14	1.84	9.7	1.76	2.01	0.06	0.02	1.02
1426337		0.00	0.06	0.56	2.7	20	120	0.17	0.32	0.46	0.03	94	7.1	42	2.79	15.5	1.42	2.38	0.14	0.04	13.45
1426338	0.12	0.22	0.12	0.75	9.7	<10	540	0.34	0.22	0.3	0.04	32.7	8.9	65	51.4	34.2	3.07	4.32	0.07	0.06	336

sample#	Au_AA26	Au	Ag	Al%	As	B	Ba	Be	Bi	Ca%	Cd	Ce	Co	Cr	Cs	Cu	Fe%	Ga	Ge	Hf	Hg
1426339	16.75	10.95	64.20	0.92	58.1	<10	690	0.18	14.25	0.09	0.04	45.3	11.3	40	1.51	456	5.11	8.68	0.13	0.04	20.1
1426340	0.43	0.12	0.87	0.17	3.6	10	80	0.06	8.47	0.06	0.04	14	38.1	12	0.55	21.9	4.16	0.75	<0.05	<0.02	4.7
1426342		0.00	0.16	0.08	5	<10	20	0.05	0.1	0.01	0.04	1.38	2	17	0.15	13.1	1.99	0.37	<0.05	<0.02	1.28
1426343		0.04	0.28	0.47	2.6	<10	130	0.37	0.17	0.06	0.03	44.4	5.4	8	0.09	31	3.98	1.25	<0.05	0.02	0.2
1426352	0.18	0.10	0.55	0.49	8.4	<10	160	0.38	0.87	0.14	0.05	67.9	20.6	58	1.95	19.6	5.14	2.22	0.09	0.03	4.04
1426353		0.02	0.19	0.52	10	<10	420	0.27	0.35	0.07	0.03	58.5	4.1	8	1.29	8.7	2.44	1.75	0.05	<0.02	3.53

sample#	In	K%	La	Li	Mg%	Mn	Mo	Na%	Nb	Ni	P	Pb	Rb	Re	S%	Sb	Sc	Se
1426313	0.043	0.2	13.3	1.5	0.11	204	106	0.01	<0.05	9.2	2570	9.7	5.3	<0.001	0.04	0.08	3.3	<0.2
1426328	0.018	0.09	21.7	2.2	0.03	265	1.98	0.02	<0.05	27.7	300	39.9	3.7	0.001	0.11	6.76	3.2	0.6
1426329	0.01	0.25	34.8	3.9	0.29	505	1.14	0.03	<0.05	23.7	610	8.4	7.3	<0.001	0.1	0.23	2.4	0.2
1426330	0.085	0.26	43.8	1.7	0.06	217	2.86	0.07	<0.05	69.9	930	54.1	7.2	<0.001	0.28	17.8	12.5	3.3
1426331	0.02	0.23	14.8	0.8	0.05	152	2.86	0.07	<0.05	63.1	860	52	5.3	<0.001	0.29	20	6.4	2.8
1426332	0.015	0.11	17.8	3.3	0.02	236	0.74	0.02	<0.05	13.9	420	6.2	4.9	<0.001	0.04	2.53	3	0.2
1426333	0.021	0.07	21.6	1.9	0.02	236	1.15	0.01	0.05	17.8	410	7.2	3.4	<0.001	0.02	4.02	3.6	0.2
1426334	0.029	0.24	33.8	4	0.17	147	0.88	0.01	0.23	21.8	1790	9.5	14.5	<0.001	0.02	44.6	6.1	<0.2
1426335	0.006	0.13	26.4	2.7	0.04	91	0.61	0.01	0.06	2.3	420	4.5	7	<0.001	0.01	13.65	1.1	0.2

sample#	In	K%	La	Li	Mg%	Mn	Mo	Na%	Nb	Ni	P	Pb	Rb	Re	S%	Sb	Sc	Se
1426336	0.008	0.09	22.3	2.6	0.04	63	0.83	<0.01	0.06	9.3	430	5.3	3.5	<0.001	<0.01	10.5	2.1	<0.2
1426337	0.013	0.16	42.6	2.3	0.13	326	0.74	0.01	0.1	32.8	1990	5.4	5.7	<0.001	0.01	8.07	3.6	0.2
1426338	0.023	0.23	18	4.5	0.17	259	1	0.02	0.1	29.6	990	8.2	23.8	<0.001	0.02	16.45	7.8	0.2
1426339	0.064	0.11	25.8	4.3	0.03	244	1.96	0.02	<0.05	20	580	20.7	4.7	0.001	0.1	89.2	3.4	36.2
1426340	0.017	0.06	6.4	0.6	0.03	470	0.65	0.01	<0.05	23.9	170	7.5	2.6	<0.001	1.58	2.5	4.1	3.3
1426342	<0.005	0.03	0.6	0.3	<0.01	63	22.8	0.01	<0.05	8.4	330	22.5	0.5	0.081	0.2	0.2	0.6	5.2
1426343	<0.005	0.23	21.3	0.8	0.03	44	2.38	0.04	<0.05	11.4	710	2.9	3.6	0.001	0.17	0.23	1.1	1.3
1426352	0.022	0.12	28.5	2.4	0.03	296	4.32	0.02	<0.05	58.9	1140	16.2	5.2	0.007	0.76	6.38	9.4	1.1
1426353	0.018	0.2	31	2.4	0.04	368	4.17	0.02	<0.05	14.8	410	4.5	6	0.001	0.11	2.52	3.8	0.9

sample#	Sn	Sr	Ta	Te	Th	Ti%	Tl	U	V	W	Y	Zn	Zr
1426313	<0.2	26.7	<0.01	0.28	9.4	<0.005	0.04	0.95	23	0.08	4.33	190	0.9
1426328	<0.2	39.5	<0.01	0.15	1.8	<0.005	0.03	4.99	25	0.97	6.53	61	0.7
1426329	<0.2	46.4	<0.01	0.31	4.8	<0.005	0.05	1.6	20	0.12	5.94	45	<0.5
1426330	0.4	179.5	<0.01	18.35	3.4	<0.005	0.06	5.83	58	2.1	10.8	134	0.5
1426331	<0.2	97.4	<0.01	10.25	1.7	<0.005	0.03	3.22	49	0.83	5.16	158	<0.5
1426332	0.2	32.5	<0.01	0.19	2.2	<0.005	0.04	1.28	16	0.65	3.69	19	0.5

sample#	Sn	Sr	Ta	Te	Th	Ti%	Tl	U	V	W	Y	Zn	Zr
1426333	0.2	18.7	<0.01	0.19	2.6	<0.005	0.03	1.63	22	1.62	4.44	28	0.6
1426334	0.5	23.7	<0.01	0.16	2	0.043	0.11	1.45	69	9.88	6.52	20	1.8
1426335	<0.2	12.8	<0.01	0.12	2.9	0.007	0.05	0.6	17	8.73	4.64	5	0.5
1426336	0.2	7.4	<0.01	0.02	2.2	0.01	0.03	0.77	30	7.68	4.84	15	0.5
1426337	0.2	32	<0.01	0.07	4.6	0.015	0.04	1.55	23	1.45	10.85	25	1.1
1426338	0.3	21.1	<0.01	0.19	1.3	0.02	0.19	1.08	58	10.25	7.63	35	1.2
1426339	<0.2	62.3	<0.01	11.6	3.8	<0.005	0.06	2.44	25	0.39	5.33	22	0.8
1426340	<0.2	9.8	<0.01	2.63	0.5	<0.005	0.04	0.62	26	0.57	2.43	44	<0.5
1426342	<0.2	52.9	<0.01	0.14	0.2	<0.005	<0.02	1.01	3	0.08	0.38	15	<0.5
1426343	<0.2	116.5	<0.01	0.47	3.2	<0.005	0.03	2.92	7	<0.05	3.68	34	0.5
1426352	0.2	58.5	<0.01	1.06	1.3	<0.005	0.04	8.08	50	0.87	9.89	57	0.6
1426353	<0.2	29	<0.01	0.47	4.3	<0.005	0.08	2.62	25	0.62	4.99	31	<0.5

32.0 Appendix 3: Morris Geochemical Samples

Sample_ID	Ag_ppm	Al_%	As_ppm	Au_ppm_MS	Au_ppm_FA	Au_ppm_grav	B_ppm	Ba_ppm	Be_ppm
70751	4.59	0.47	6.6	6.78	>10	19.25	<10	50	0.2
70752	0.08	0.41	0.7	<0.02	0.012		<10	30	0.14
70753	7.80	0.26	2.2	21.4	>10	38.4	10	60	0.13
70754	0.90	1.89	2.8	0.08	0.293		10	110	0.37
70755	5.08	0.38	10.6	3.34	>10	14.55	<10	70	0.23
70756	0.10	0.04	0.5	0.06	0.032		10	10	<0.05
70757	0.27	0.48	5.5	0.05	0.058		10	300	0.17
70758	0.07	0.50	13.1	<0.02	0.085		<10	500	0.31
70759	0.06	0.36	2.9	<0.02	0.008		<10	200	0.21
70760	0.13	0.57	9.0	0.04	0.045		<10	330	0.39
70761	289.00	0.55	1830.0	4.93	5.09		<10	20	0.2
70768	0.07	6.17	3.4	<0.02	<0.001		<10	60	0.1
Sample_ID	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%
70751	12.75	0.1	0.04	82.6	35.1	49	1.52	153	11.2
70752	0.06	0.1	0.01	10.95	13.3	65	0.39	83.7	1.75
70753	16.15	0.03	0.02	83.8	15.4	24	0.75	106	8.24
70754	0.5	0.41	0.06	135.5	81.4	494	1.59	570	6.61
70755	8.1	0.06	0.03	59.5	27.8	110	1.52	203	9.84
70756	0.12	0.03	<0.01	6.94	0.8	19	0.09	8.2	0.68
70757	0.4	0.05	<0.01	16.45	12.8	34	6.49	417	6.24
70758	0.17	0.1	0.1	69.6	14.7	16	1.14	16.4	3.42
70759	0.06	0.13	0.08	33.9	8.1	7	0.42	11.1	1.52
70760	0.43	0.17	0.18	63	22.3	36	0.62	61.7	5.53
70761	148.5	0.23	55.8	12.6	16.3	30	0.67	9870	2.68
70768	0.02	4.34	0.22	4.59	11.1	47	0.29	28.1	1.44

Sample_ID	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm	Li_ppm	Mg_%
70751	4.32	0.15	0.02	5.98	0.077	0.24	43.4	1.9	0.06
70752	1.65	0.06	<0.02	0.15	<0.005	0.04	6.2	2.6	0.29
70753	2.71	0.14	0.02	5.17	0.053	0.22	41.4	0.7	0.04
70754	8.04	0.2	0.02	3.61	0.022	0.1	62.5	11.8	1.43
70755	3.63	0.12	<0.02	10.7	0.033	0.19	31.5	1.3	0.05
70756	0.21	0.05	<0.02	0.46	<0.005	0.02	3.4	0.4	0.01
70757	2.09	0.08	<0.02	0.58	0.073	0.12	8.3	1.5	0.03
70758	1.76	0.1	0.02	0.71	0.013	0.12	37.6	2.9	0.04
70759	1.14	0.07	0.02	0.41	<0.005	0.19	15.5	1.4	0.03
70760	2.02	0.12	0.03	2.98	0.017	0.09	28.1	2.5	0.04
70761	6.03	0.26	0.39	1.58	12.6	0.09	5.6	4.5	0.05
70768	7.83	0.06	0.04	0.01	0.014	0.04	2.8	7.4	0.92
Sample_ID	Mn_ppm	Mo_ppm	Na_%	Nb_ppm	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm	Re_ppm
70751	221	2.66	0.06	<0.05	56.9	850	35.6	7.9	<0.001
70752	227	1.3	0.01	<0.05	22.1	320	2.3	1.1	<0.001
70753	217	1.19	0.04	<0.05	37.7	610	21.2	7.3	<0.001
70754	1070	2.11	0.03	<0.05	152.5	1910	6.9	4.3	<0.001
70755	151	2.73	0.05	<0.05	78.2	1050	24.7	5.7	<0.001
70756	82	1.52	<0.01	<0.05	2.4	80	0.8	0.8	0.001
70757	203	0.39	0.01	<0.05	18.6	410	8.8	6	0.001
70758	408	1.12	<0.01	<0.05	31.6	420	7.5	5	<0.001
70759	493	0.53	<0.01	<0.05	28.1	510	21.5	8.1	<0.001
70760	733	3.45	<0.01	<0.05	73.7	1310	24.4	3.4	0.004
70761	123	5.52	0.02	0.25	110.5	160	1665	4.1	0.002
70768	204	0.52	0.38	<0.05	50.4	100	6.3	1.7	<0.001
Sample_ID	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm
70751	0.28	10.5	11.5	1.9	0.2	133	<0.01	9.97	2.9
70752	0.02	0.84	2.7	<0.2	<0.2	8.1	<0.01	0.05	0.5
70753	0.26	4.75	9.4	1.8	0.2	63.8	<0.01	16.5	3.2
70754	0.05	5.01	16.6	1.2	<0.2	42.6	<0.01	0.42	3.6

70755	0.25	30.5	10	2.1	<0.2	154.5	<0.01	6.25	2.5
70756	0.03	0.54	0.4	<0.2	<0.2	4.8	<0.01	0.09	0.5
70757	0.45	53.8	8	1.1	0.4	19.9	<0.01	1.12	0.9
70758	0.03	4.46	6.2	0.3	<0.2	27.7	<0.01	0.2	2.8
70759	0.01	1.83	1.9	<0.2	<0.2	12.5	<0.01	0.03	2.4
70760	0.03	14.05	7.9	0.5	<0.2	33.2	<0.01	0.39	1.2
70761	3.39	172	1.1	59.9	11.2	48.9	<0.01	62.8	1.7
70768	0.02	0.1	1.5	0.2	<0.2	188	<0.01	0.01	0.5
Sample_ID	Ti_%	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	
70751	<0.005	0.05	5.57	57	2.12	9.84	130	0.6	
70752	<0.005	<0.02	0.57	10	0.23	2.51	25	<0.5	
70753	<0.005	0.04	3.29	35	1.48	7.94	91	0.5	
70754	0.008	0.03	3.26	64	1.58	14.25	131	0.5	
70755	<0.005	0.04	4.21	48	0.84	7.03	155	<0.5	
70756	<0.005	<0.02	0.51	2	0.18	0.63	4	<0.5	
70757	0.011	0.04	0.9	99	32.2	2.11	46	<0.5	
70758	<0.005	0.05	4.65	35	0.66	9.01	56	0.6	
70759	<0.005	0.06	1.26	17	0.19	4.64	37	0.5	
70760	<0.005	0.03	4.19	60	0.42	10.9	147	1.3	
70761	0.008	3.72	0.81	10	3.7	2.22	8830	14.7	
70768	0.023	0.02	0.12	10	0.05	1.77	109	1.4	

Sample ID	UTM X	UTM Y	Sample Location	Sample Method	Samp Width	Lith Type	Lith Color	Lith Description
70751	351371	3816968	crown pillar	chip channel	1 m	breccia	yellow	gouge zone qtz veins and gossan in clay
70752	351381	3816960	right rib	select	.5 m	qtz	clear - black	glassy qtz with black tourmaline?
70753	351385	3816965	back	chip channel	.5 m	sericite	grey pink	micaceous alteration with qtz tourmaline vein clasts
70754	351390	3816960	right rib	chip channel	0.5	gouge	grey pink	clay, mica alt gouge between qtz veins
70755	351399	3816969	right rib	chip channel	1	vein	clear - black	dup of 3030
70756	351400	3816972	Dump	select		vein	white	glassy qtz with black tourmaline on dump

Sample ID	UTM X	UTM Y	Sample Location	Sample Method	Samp Width	Lith Type	Lith Color	Lith Description
70757	351406	3816977	Dump	select		gouge	grey pink	vfg mica - gouge on dump by shaft
70758	351561	3817090	lower dump	select		breccia	orange	feox in white clay / sericte matrix
70759	351534	3817003	float	grab		dike	red brown	fine grained intrusive? Vfg mica alteration
70760	351520	3817030	float	grab		dike		similar material to above - field duplicate
70761			Standard					OREAS 603
70768			Field Blank					granite cobbles / caliche

33.0 Appendix 4 2019 Soil sample results

Sample_ID	PegNum	East	North	Long	Lat	sampler	lab_ID	Au_ppm	Ag_ppm	Al_%	As_ppm	B_ppm
A904001	1	350767.1	3816574	-112.625	34.47997	Alan	A904001	0.002	0.05	4.42	4.9	10
A904002	2	350767.9	3816624	-112.625	34.48042	Alan	A904002	0.006	0.1	6.88	7.5	10
A904003	3	350768.8	3816674	-112.625	34.48087	Alan	A904003	0.014	0.06	3.62	9.8	20
A904004	4	350769.7	3816724	-112.625	34.48132	Alan	A904004	0.004	0.04	2.1	9	10
A904005	5	350770.5	3816774	-112.625	34.48177	Alan	A904005	0.002	0.04	3.48	6.6	10
A904006	6	350771.4	3816824	-112.625	34.48222	Alan	A904006	0.005	0.08	3.49	4.1	10
A904007	7	350772.2	3816874	-112.625	34.48267	Alan	A904007	0.004	0.14	3.24	8.3	10
A904008	8	350773.1	3816924	-112.625	34.48312	Alan	A904008	0.002	0.04	3.17	4.1	10
A904009	9	350774	3816974	-112.625	34.48357	Alan	A904009	0.001	0.05	3.61	5.6	10
A904010	10	350774.8	3817024	-112.625	34.48402	Alan	A904010	0.003	0.12	4.27	4.9	10
A904011	11	350775.7	3817074	-112.625	34.48447	Alan	A904011	0.007	0.08	3.65	7.7	10
A904012	12	350776.6	3817124	-112.625	34.48493	Alan	A904012	0.002	0.04	4.63	8.1	10
A904013	13	350867.5	3816597	-112.624	34.48019	Alan	A904013	0.004	0.06	1.99	21.9	10
A904014	14	350868.3	3816647	-112.624	34.48064	Alan	A904014	0.003	0.07	3.56	12.8	10
A904015	15	350869.2	3816697	-112.624	34.48109	Alan	A904015	0.033	0.38	2.63	39.4	10
A904016	16	350870.1	3816747	-112.624	34.48154	Alan	A904016	0.003	0.03	3.05	6.5	10
A904017	17	350870.9	3816797	-112.624	34.48199	Alan	A904017	0.002	0.05	2.86	1.9	10
A904018	18	350871.8	3816847	-112.624	34.48244	Alan	A904018	0.004	0.03	3.94	4.8	10
A904019	19	350872.7	3816897	-112.624	34.4829	Alan	A904019	0.005	0.06	4.81	7.7	10
A904020	Oreas 263						A904020	0.157	0.3	1.28	35.3	10
A904021	21	350873.5	3816947	-112.624	34.48335	Alan	A904021	0.001	0.05	2.63	5.7	10
A904022	22	350874.4	3816997	-112.624	34.4838	Alan	A904022	0.004	0.02	3.51	2.6	10
A904023	23	350875.3	3817047	-112.624	34.48425	Alan	A904023	0.008	0.05	4.23	8.3	10
A904024	24	350876.1	3817097	-112.624	34.4847	Alan	A904024	0.004	0.05	3.72	8.8	10
A904025	25	350967	3816571	-112.623	34.47996	Barney	A904025	0.001	0.03	3.17	7.3	10
A904026	26	350967.9	3816621	-112.623	34.48042	Barney	A904026	0.001	0.02	3.01	9.7	10
A904027	27	350968.8	3816671	-112.623	34.48087	Barney	A904027	0.003	0.05	4.07	11.2	10
A904028	28	350969.6	3816721	-112.623	34.48132	Barney	A904028	0.013	0.12	2.02	7.3	30
A904029	29	350970.5	3816771	-112.623	34.48177	Barney	A904029	0.005	0.1	3.15	3.8	10
A904030	30	350971.3	3816821	-112.623	34.48222	Barney	A904030	0.01	0.09	4.13	5	10
A904031	31	350972.2	3816871	-112.623	34.48267	Barney	A904031	0.003	0.06	4.31	6.4	10
A904032	32	350973.1	3816921	-112.623	34.48312	Barney	A904032	0.002	0.03	4.21	6.3	10
A904033	33	350973.9	3816971	-112.623	34.48357	Barney	A904033	0.002	0.05	3.33	4	10

Sample_ID	PegNum	East	North	Long	Lat	sampler	lab_ID	Au_ppm	Ag_ppm	Al_%	As_ppm	B_ppm
A904034	34	350974.8	3817021	-112.623	34.48402	Barney	A904034	0.001	0.04	3.79	4.6	10
A904035	35	350975.7	3817071	-112.623	34.48447	Barney	A904035	0.003	0.05	2.92	8	10
A904036	36	350976.5	3817121	-112.623	34.48492	Barney	A904036	0.005	0.05	4.19	5.8	10
A904037	37	351067.4	3816594	-112.622	34.48019	Alan	A904037	0.001	0.03	2.86	10	10
A904038	38	351068.3	3816644	-112.622	34.48064	Alan	A904038	0.003	0.05	2.04	14.7	10
A904039	39	351069.2	3816694	-112.622	34.48109	Alan	A904039	0.016	0.06	2.25	8.5	10
A904040	Oreas 21E						A904040	-0.001	-0.01	0.02	0.5	10
A904041	41	351070	3816744	-112.622	34.48154	Alan	A904041	0.012	0.07	2.78	8.4	10
A904042	42	351070.9	3816794	-112.622	34.48199	Alan	A904042	0.123	0.16	3.28	7.5	10
A904043	43	351071.3	3816819	-112.622	34.48222	Alan	A904043	0.018	0.06	3.22	6.8	10
A904044	44	351071.8	3816844	-112.622	34.48244	Alan	A904044	0.003	0.03	4.03	5.7	10
A904045	45	351072.2	3816869	-112.622	34.48267	Alan	A904045	0.006	0.06	3.45	6.5	10
A904046	46	351072.6	3816894	-112.622	34.48289	Alan	A904046	0.007	0.02	3.87	5.9	10
A904047	47	351073.1	3816919	-112.622	34.48312	Alan	A904047	0.038	0.03	3.06	7.4	10
A904048	48	351073.5	3816944	-112.622	34.48334	Alan	A904048	0.002	0.03	2.86	4.6	10
A904049	49	351073.9	3816969	-112.622	34.48357	Alan	A904049	-0.001	0.03	3.02	5.2	10
A904050	50	351074.4	3816994	-112.622	34.48379	Alan	A904050	0.009	0.05	3.84	5.4	10
A904051	51	351074.8	3817019	-112.622	34.48402	Alan	A904051	0.003	0.03	3.7	6.4	10
A904052	52	351075.2	3817044	-112.622	34.48425	Alan	A904052	0.002	0.04	2.58	4.1	10
A904053	53	351075.7	3817069	-112.622	34.48447	Alan	A904053	0.004	0.03	2.72	5	10
A904054	54	351076.1	3817094	-112.622	34.4847	Alan	A904054	0.005	0.03	3.84	5.6	10
A904055	55	351076.5	3817119	-112.622	34.48492	Alan	A904055	0.011	0.16	4.35	3.8	10
A904056	56	351121.6	3816833	-112.621	34.48235	Barney	A904056	0.011	0.04	2.4	6.2	10
A904057	57	351122	3816858	-112.621	34.48258	Barney	A904057	0.659	0.3	2.42	5.8	10
A904058	58	351122.5	3816883	-112.621	34.4828	Barney	A904058	0.002	0.04	2.81	6.4	10
A904059	59	351122.9	3816908	-112.621	34.48303	Barney	A904059	0.012	0.07	2.72	6.1	10
A904060	Oreas 263						A904060	0.145	0.28	1.32	29.7	10
A904061	61	351123.3	3816933	-112.621	34.48325	Barney	A904061	0.008	0.04	4.6	6.4	10
A904062	62	351123.7	3816958	-112.621	34.48348	Barney	A904062	0.001	0.03	3.26	6.3	10
A904063	63	351124.2	3816983	-112.621	34.4837	Barney	A904063	0.003	0.04	2.91	5.7	10
A904064	64	351124.6	3817008	-112.621	34.48393	Barney	A904064	0.003	0.05	4.01	4.7	10
A904065	65	351125	3817033	-112.621	34.48415	Barney	A904065	0.01	0.06	3.73	4.2	10
A904066	66	351125.5	3817058	-112.621	34.48438	Barney	A904066	0.007	0.03	4.03	5.2	10

Sample_ID	PegNum	East	North	Long	Lat	sampler	lab_ID	Au_ppm	Ag_ppm	Al_%	As_ppm	B_ppm
A904067	67	351125.9	3817083	-112.621	34.48461	Barney	A904067	0.009	0.05	2.56	4.9	10
A904068	68	351167	3816567	-112.621	34.47996	Alan	A904068	0.004	0.03	2.52	7.2	10
A904069	69	351167.9	3816617	-112.621	34.48041	Alan	A904069	0.083	0.02	2.51	5.3	10
A904070	70	351168.7	3816667	-112.621	34.48086	Alan	A904070	0.007	0.03	4.21	6.3	10
A904071	71	351169.6	3816717	-112.621	34.48131	Alan	A904071	0.007	0.04	3.76	10	10
A904072	72	351170.5	3816767	-112.621	34.48177	Alan	A904072	0.044	0.06	2.67	7.1	10
A904073	73	351171.3	3816817	-112.621	34.48222	Alan	A904073	0.049	0.25	3.81	7.2	10
A904074	74	351171.8	3816842	-112.621	34.48244	Alan	A904074	0.006	0.05	3.3	5.2	10
A904075	75	351172.2	3816867	-112.621	34.48267	Alan	A904075	0.009	0.04	3.09	5.2	10
A904076	76	351172.6	3816892	-112.621	34.48289	Alan	A904076	0.006	0.07	3.38	6.2	10
A904077	77	351173	3816917	-112.621	34.48312	Alan	A904077	0.028	0.06	3.38	7.1	10
A904078	78	351173.5	3816942	-112.621	34.48334	Alan	A904078	0.026	0.06	3.08	6.4	10
A904079	79	351173.9	3816967	-112.621	34.48357	Alan	A904079	0.012	0.05	3.92	7.6	10
A904080	Oreas 21E						A904080	-0.001	-0.01	0.02	0.6	10
A904081	81	351174.3	3816992	-112.621	34.48379	Alan	A904081	0.023	0.1	2.78	10.8	10
A904082	82	351174.8	3817017	-112.621	34.48402	Alan	A904082	0.016	0.09	2.61	7.9	10
A904083	83	351175.2	3817042	-112.621	34.48424	Alan	A904083	0.028	0.1	2.78	5.9	10
A904084	84	351175.6	3817067	-112.621	34.48447	Alan	A904084	0.165	0.22	4.46	7.5	10
A904085	85	351176.1	3817092	-112.621	34.4847	Alan	A904085	0.028	0.14	3.19	7.3	10
A904086	86	351176.5	3817117	-112.621	34.48492	Alan	A904086	0.033	0.1	3.16	7.9	10
A904087	87	351176.9	3817142	-112.621	34.48515	Alan	A904087	0.012	0.05	2.95	6	10
A904088	88	351177.4	3817167	-112.621	34.48537	Alan	A904088	0.006	0.04	4.15	5.1	10
A904089	89	351221.1	3816806	-112.62	34.48213	Alan	A904089	0.064	0.13	3.84	7.3	10
A904090	90	351221.6	3816831	-112.62	34.48235	Alan	A904090	0.011	0.07	2.68	6.8	10
A904091	91	351222	3816856	-112.62	34.48258	Alan	A904091	0.034	0.15	2.05	6.9	10
A904092	92	351222.4	3816881	-112.62	34.4828	Alan	A904092	0.047	0.07	2.64	5.8	10
A904093	93	351222.9	3816906	-112.62	34.48303	Alan	A904093	0.028	0.14	3.11	6.2	10
A904094	94	351223.3	3816931	-112.62	34.48325	Alan	A904094	0.017	0.12	3.14	7.7	10
A904095	95	351223.7	3816956	-112.62	34.48348	Alan	A904095	0.009	0.06	3.64	5.5	10
A904096	96	351224.2	3816981	-112.62	34.4837	Alan	A904096	0.043	0.13	2.95	7.5	10
A904097	97	351224.6	3817006	-112.62	34.48393	Alan	A904097	0.021	0.08	2.75	6.9	10
A904098	98	351225	3817031	-112.62	34.48415	Alan	A904098	0.033	0.09	2.91	5.9	10
A904099	99	351225.5	3817056	-112.62	34.48438	Alan	A904099	0.028	0.05	2.4	7	10

Sample_ID	PegNum	East	North	Long	Lat	sampler	lab_ID	Au_ppm	Ag_ppm	Al_%	As_ppm	B_ppm
A904100	Oreas 263						A904100	0.144	0.28	1.16	35.2	10
A904101	101	351225.9	3817081	-112.62	34.4846	Alan	A904101	0.046	0.09	2.36	7.5	10
A904102	102	351226.3	3817106	-112.62	34.48483	Alan	A904102	0.024	0.18	3.49	5.7	20
A904103	103	351267.4	3816590	-112.62	34.48019	Alan	A904103	0.005	0.05	4.13	7.9	10
A904104	104	351268.3	3816640	-112.62	34.48064	Alan	A904104	0.007	0.03	2.85	4.1	10
A904105	105	351269.1	3816690	-112.62	34.48109	Alan	A904105	0.095	0.09	2.95	14	10
A904106	106	351270	3816740	-112.62	34.48154	Alan	A904106	0.008	0.03	2.98	10.8	10
A904107	124	351321.1	3816805	-112.619	34.48212	Alan	A904107	0.317	0.09	3.26	6.5	10
A904108	125	351321.6	3816830	-112.619	34.48235	Alan	A904108	0.022	0.07	2.91	5.3	10
A904109	126	351322	3816855	-112.619	34.48257	Alan	A904109	0.015	0.05	2.98	6.4	10
A904110	127	351322.4	3816880	-112.619	34.4828	Alan	A904110	0.021	0.06	2.81	7.3	10
A904111	128	351322.9	3816905	-112.619	34.48303	Alan	A904111	0.006	0.06	3.09	5.4	10
A904112	129	351323.3	3816930	-112.619	34.48325	Alan	A904112	0.031	0.16	2.58	6.7	10
A904113	130	351323.7	3816955	-112.619	34.48348	Alan	A904113	0.123	0.23	2.17	6.4	10
A904114	131	351324.1	3816980	-112.619	34.4837	Alan	A904114	0.064	0.12	3.47	6.1	10
A904115	132	351324.6	3817004	-112.619	34.48393	Alan	A904115	0.03	0.19	3.73	8	10
A904116	133	351325	3817029	-112.619	34.48415	Alan	A904116	0.016	0.08	2.49	5.5	10
A904117	134	351325.4	3817054	-112.619	34.48438	Alan	A904117	0.067	0.16	2.11	7.2	10
A904118	135	351325.9	3817079	-112.619	34.4846	Alan	A904118	0.068	0.12	1.29	13.3	10
A904119	136	351326.3	3817104	-112.619	34.48483	Alan	A904119	0.034	0.08	3.5	6.6	10
A904120	Oreas 21E						A904120	-0.001	-0.01	0.02	0.6	-10
A904121	137	351326.7	3817129	-112.619	34.48505	Alan	A904121	0.029	0.08	3	7.7	10
A904122	138	351327.2	3817154	-112.619	34.48528	Alan	A904122	0.021	0.08	2.86	6.9	10
A904123	139	351327.6	3817179	-112.619	34.48551	Alan	A904123	0.014	0.07	2.69	6.4	10
A904124	107	351270.9	3816790	-112.62	34.48199	Alan	A904124	0.023	0.06	4.48	6.2	10
A904125	108	351271.3	3816815	-112.62	34.48221	Alan	A904125	0.181	0.18	3.76	7.7	10
A904126	109	351271.7	3816840	-112.62	34.48244	Alan	A904126	0.021	0.06	2.42	5.5	10
A904127	110	351272.2	3816865	-112.62	34.48267	Alan	A904127	0.333	0.12	2.72	6.6	10
A904128	111	351272.6	3816890	-112.62	34.48289	Alan	A904128	0.121	0.22	2.68	9.8	10
A904129	112	351273	3816915	-112.62	34.48312	Alan	A904129	0.085	0.21	3.13	7.3	10
A904130	113	351273.5	3816940	-112.62	34.48334	Alan	A904130	1.84	0.95	2.32	5.9	10
A904131	114	351273.9	3816965	-112.62	34.48357	Alan	A904131	0.072	0.18	4.05	7.6	10
A904132	115	351274.3	3816990	-112.62	34.48379	Alan	A904132	0.035	0.11	3.09	6.5	10

Sample_ID	PegNum	East	North	Long	Lat	sampler	lab_ID	Au_ppm	Ag_ppm	Al_%	As_ppm	B_ppm
A904133	116	351274.8	3817015	-112.62	34.48402	Alan	A904133	0.025	0.12	2.9	5.9	10
A904134	117	351275.2	3817040	-112.62	34.48424	Alan	A904134	0.053	0.09	3.13	6	10
A904135	118	351275.6	3817065	-112.62	34.48447	Alan	A904135	0.028	0.07	3.03	7.3	10
A904136	119	351276.1	3817090	-112.62	34.48469	Alan	A904136	0.022	0.07	1.33	5.6	10
A904137	121	351276.5	3817115	-112.62	34.48492	Alan	A904137	0.02	0.08	4.7	3.5	10
A904138	122	351276.9	3817140	-112.62	34.48515	Alan	A904138	0.047	0.15	4.04	5.3	10
A904139	123	351277.4	3817165	-112.62	34.48537	Alan	A904139	0.025	0.16	3.39	4.3	10
A904140	Oreas 21E						A904140	0.001	-0.01	0.02	0.6	-10
A904141	141	351367	3816564	-112.619	34.47996	Alan	A0904141	0.041	0.09	2.99	9.40	10.00
A904142	142	351367.8	3816614	-112.619	34.48041	Alan	A0904142	0.007	0.06	2.80	7.20	10.00
A904143	143	351368.7	3816664	-112.619	34.48086	Alan	A0904143	0.035	0.14	4.22	7.10	10.00
A904144	144	351369.6	3816714	-112.619	34.48131	Alan	A0904144	0.010	0.04	2.51	5.20	10.00
A904145	145	351370.4	3816764	-112.619	34.48176	Alan	A0904145	0.008	0.09	3.01	5.90	10.00
A904146	146	351371.3	3816814	-112.619	34.48221	Alan	A0904146	0.018	0.05	3.43	5.10	10.00
A904147	147	351371.7	3816839	-112.619	34.48244	Alan	A0904147	0.043	0.15	4.23	8.30	10.00
A904148	148	351372.2	3816864	-112.619	34.48266	Alan	A0904148	0.019	0.07	3.35	5.90	10.00
A904149	149	351372.6	3816889	-112.619	34.48289	Alan	A0904149	0.087	0.19	3.67	6.60	10.00
A904150	150	351373	3816914	-112.619	34.48312	Alan	A0904150	0.059	0.20	3.85	8.40	10.00
A904151	151	351373.4	3816939	-112.619	34.48334	Alan	A0904151	0.023	0.08	3.12	6.80	10.00
A904152	152	351373.9	3816964	-112.619	34.48357	Alan	A0904152	0.028	0.10	3.66	7.30	10.00
A904153	153	351374.3	3816989	-112.619	34.48379	Alan	A0904153	0.198	0.45	3.13	4.60	10.00
A904154	154	351374.7	3817014	-112.619	34.48402	Alan	A0904154	0.022	0.08	2.28	5.40	10.00
A904155	155	351375.2	3817039	-112.619	34.48424	Alan	A0904155	0.094	0.10	3.49	6.50	10.00
A904156	156	351375.6	3817064	-112.619	34.48447	Alan	A0904156	0.012	0.07	2.09	6.30	10.00
A904157	157	351376	3817089	-112.619	34.48469	Alan	A0904157	0.036	0.08	3.83	7.50	10.00
A904158	158	351376.5	3817114	-112.619	34.48492	Alan	A0904158	0.022	0.04	3.35	8.00	10.00
A904159	159	351376.9	3817139	-112.619	34.48514	Alan	A0904159	0.004	0.04	3.85	4.00	10.00
A904160	Oreas 263						A0904160	0.145	0.28	1.29	31.90	10.00
A904161	161	351377.3	3817164	-112.619	34.48537	Alan	A0904161	0.023	0.14	3.82	6.90	10.00
A904162	162	351421.1	3816803	-112.618	34.48212	Alan	A0904162	0.004	0.06	3.26	6.30	10.00
A904163	163	351421.5	3816828	-112.618	34.48235	Alan	A0904163	0.031	0.13	2.73	5.60	10.00
A904164	164	351422	3816853	-112.618	34.48257	Alan	A0904164	0.011	0.08	3.04	7.00	10.00
A904165	165	351422.4	3816878	-112.618	34.4828	Alan	A0904165	0.007	0.05	2.97	4.60	10.00

Sample_ID	PegNum	East	North	Long	Lat	sampler	lab_ID	Au_ppm	Ag_ppm	Al_%	As_ppm	B_ppm
A904166	166	351422.8	3816903	-112.618	34.48302	Alan	A0904166	0.013	0.06	3.01	7.00	10.00
A904167	167	351423.3	3816928	-112.618	34.48325	Alan	A0904167	0.017	0.08	3.22	7.10	10.00
A904168	168	351423.7	3816953	-112.618	34.48348	Alan	A0904168	0.022	0.11	2.73	8.00	10.00
A904169	169	351424.1	3816978	-112.618	34.4837	Alan	A0904169	0.046	0.14	2.54	7.10	10.00
A904170	170	351424.6	3817003	-112.618	34.48393	Alan	A0904170	0.028	0.18	1.85	11.30	10.00
A904171	171	351425	3817028	-112.618	34.48415	Alan	A0904171	0.013	0.11	2.43	11.20	10.00
A904172	172	351425.4	3817053	-112.618	34.48438	Alan	A0904172	0.020	0.13	2.82	8.10	10.00
A904173	173	351425.9	3817078	-112.618	34.4846	Alan	A0904173	0.039	0.14	3.24	7.50	10.00
A904174	174	351426.3	3817103	-112.618	34.48483	Alan	A0904174	0.032	0.06	3.69	8.60	10.00
A904175	175	351426.7	3817128	-112.618	34.48505	Alan	A0904175	0.008	0.04	3.42	5.70	10.00
A904176	176	351427.2	3817153	-112.618	34.48528	Alan	A0904176	0.028	0.05	4.24	6.80	10.00
A904177	177	351427.6	3817178	-112.618	34.4855	Alan	A0904177	0.024	0.11	3.95	5.00	10.00
A904178	178	351467.4	3816587	-112.617	34.48018	Barney	A0904178	0.006	0.13	3.25	6.60	10.00
A904179	179	351468.3	3816637	-112.617	34.48063	Barney	A0904179	0.007	0.07	2.82	6.20	10.00
A904180	Oreas 21E						A0904180	-0.001	-0.01	0.02	0.60	-10.00
A904181	181	351469.1	3816687	-112.617	34.48109	Barney	A0904181	0.018	0.20	3.79	5.40	10.00
A904182	182	351470	3816737	-112.617	34.48154	Barney	A0904182	0.003	0.04	3.14	4.70	10.00
A904183	183	351470.8	3816787	-112.617	34.48199	Barney	A0904183	0.084	0.13	3.31	8.20	10.00
A904184	184	351471.3	3816812	-112.617	34.48221	Barney	A0904184	0.009	0.07	2.60	4.80	10.00
A904185	185	351471.7	3816837	-112.617	34.48244	Barney	A0904185	0.014	0.08	3.72	10.20	10.00
A904186	186	351472.1	3816862	-112.617	34.48266	Barney	A0904186	0.023	0.09	3.30	9.40	10.00
A904187	187	351472.6	3816887	-112.617	34.48289	Barney	A0904187	0.029	0.11	2.80	5.60	10.00
A904188	188	351473	3816912	-112.617	34.48311	Barney	A0904188	0.009	0.07	2.38	6.90	10.00
A904189	189	351473.4	3816937	-112.617	34.48334	Barney	A0904189	0.926	0.38	2.39	5.00	10.00
A904190	190	351473.9	3816962	-112.617	34.48356	Barney	A0904190	0.011	0.07	2.15	8.00	10.00
A904191	191	351474.3	3816987	-112.617	34.48379	Barney	A0904191	0.045	0.10	3.46	5.20	10.00
A904192	192	351474.7	3817012	-112.617	34.48402	Barney	A0904192	0.037	0.10	2.77	7.20	10.00
A904193	193	351475.2	3817037	-112.617	34.48424	Barney	A0904193	0.084	0.20	2.83	11.80	10.00
A904194	194	351475.6	3817062	-112.617	34.48447	Barney	A0904194	0.131	0.48	3.25	9.00	10.00
A904195	195	351476	3817087	-112.617	34.48469	Barney	A0904195	0.025	0.11	2.76	6.30	10.00
A904196	196	351476.5	3817112	-112.617	34.48492	Barney	A0904196	0.056	0.17	3.41	8.40	10.00
A904197	197	351476.9	3817137	-112.617	34.48514	Barney	A0904197	0.031	0.08	3.17	15.10	10.00
A904198	198	351477.3	3817162	-112.617	34.48537	Barney	A0904198	0.010	0.06	2.42	5.10	10.00

Sample_ID	PegNum	East	North	Long	Lat	sampler	lab_ID	Au_ppm	Ag_ppm	Al_%	As_ppm	B_ppm
A904199	199	351521.1	3816801	-112.617	34.48212	Barney	A0904199	0.027	0.08	3.36	5.00	10.00
A904200	Oreas 263						A0904200	0.145	0.30	1.13	33.30	10.00
A904201	201	351521.5	3816826	-112.617	34.48235	Barney	A0904201	0.028	0.18	2.40	4.80	10.00
A904202	202	351522	3816851	-112.617	34.48257	Barney	A0904202	0.013	0.12	2.47	6.00	10.00
A904203	203	351522.4	3816876	-112.617	34.4828	Barney	A0904203	0.015	0.07	2.51	6.50	10.00
A904204	204	351522.8	3816901	-112.617	34.48302	Barney	A0904204	0.016	0.10	2.44	4.50	10.00
A904205	205	351523.3	3816926	-112.617	34.48325	Barney	A0904205	0.012	0.06	1.96	6.70	10.00
A904206	206	351523.7	3816951	-112.617	34.48347	Barney	A0904206	0.009	0.06	2.15	6.30	10.00
A904207	207	351524.1	3816976	-112.617	34.4837	Barney	A0904207	0.013	0.11	2.95	8.20	10.00
A904208	208	351524.6	3817001	-112.617	34.48393	Barney	A0904208	0.089	0.96	1.84	9.80	10.00
A904209	209	351525	3817026	-112.617	34.48415	Barney	A0904209	0.089	0.23	2.83	11.00	10.00
A904210	210	351525.4	3817051	-112.617	34.48438	Barney	A0904210	0.044	0.27	3.58	5.60	10.00
A904211	211	351525.8	3817076	-112.617	34.4846	Barney	A0904211	1.050	1.08	2.17	10.40	10.00
A904212	212	351526.3	3817101	-112.617	34.48483	Barney	A0904212	0.675	0.77	2.96	8.20	10.00
A904213	213	351526.7	3817126	-112.617	34.48505	Barney	A0904213	4.090	1.87	2.87	8.60	10.00
A904214	214	351527.1	3817151	-112.617	34.48528	Barney	A0904214	0.069	0.14	2.27	5.50	10.00
A904215	215	351527.6	3817176	-112.617	34.4855	Barney	A0904215	0.068	0.13	3.56	4.80	10.00
A904216	216	351566.9	3816560	-112.616	34.47996	Barney	A0904216	0.024	0.11	3.36	8.30	10.00
A904217	217	351567.8	3816610	-112.616	34.48041	Barney	A0904217	0.030	0.16	2.93	8.70	10.00
A904218	218	351568.7	3816660	-112.616	34.48086	Barney	A0904218	0.069	0.17	3.19	4.20	10.00
A904219	219	351569.5	3816710	-112.616	34.48131	Barney	A0904219	0.050	0.13	2.62	7.90	10.00
A904220	Oreas 21E						A0904220	-0.001	-0.01	0.02	0.60	10.00
A904221	221	351570.4	3816760	-112.616	34.48176	Barney	A0904221	0.022	0.07	1.74	5.10	10.00
A904222	222	351571.3	3816810	-112.616	34.48221	Barney	A0904222	0.344	0.30	2.29	6.80	10.00
A904223	223	351571.7	3816835	-112.616	34.48244	Barney	A0904223	0.027	0.08	2.08	2.40	10.00
A904224	224	351572.1	3816860	-112.616	34.48266	Barney	A0904224	0.044	0.10	1.89	2.00	10.00
A904225	225	351572.6	3816885	-112.616	34.48289	Barney	A0904225	0.053	0.13	2.16	5.00	10.00
A904226	226	351573	3816910	-112.616	34.48311	Barney	A0904226	0.015	0.09	2.29	6.50	10.00
A904227	227	351573.4	3816935	-112.616	34.48334	Barney	A0904227	0.008	0.15	1.71	7.00	10.00
A904228	228	351573.9	3816960	-112.616	34.48356	Barney	A0904228	0.008	0.06	1.70	8.60	10.00
A904229	229	351574.3	3816985	-112.616	34.48379	Barney	A0904229	0.045	0.10	1.98	23.80	10.00
A904230	230	351574.7	3817010	-112.616	34.48401	Barney	A0904230	0.028	0.14	3.12	23.20	10.00
A904231	231	351575.1	3817035	-112.616	34.48424	Barney	A0904231	0.049	0.21	4.27	5.20	10.00

Sample_ID	PegNum	East	North	Long	Lat	sampler	lab_ID	Au_ppm	Ag_ppm	Al_%	As_ppm	B_ppm
A904232	232	351575.6	3817060	-112.616	34.48447	Barney	A0904232	0.429	0.36	2.84	6.90	10.00
A904233	233	351576	3817085	-112.616	34.48469	Barney	A0904233	0.513	0.41	2.44	10.10	10.00
A904234	234	351576.4	3817110	-112.616	34.48492	Barney	A0904234	0.047	0.10	1.32	4.40	10.00
A904235	235	351576.9	3817135	-112.616	34.48514	Barney	A0904235	0.072	0.19	2.79	5.20	10.00
A904236	236	351577.3	3817160	-112.616	34.48537	Barney	A0904236	0.123	0.18	2.79	5.60	10.00
A904237	237	351578.2	3817210	-112.616	34.48582	Barney	A0904237	0.063	0.15	1.77	5.40	10.00
A904238	238	351579	3817260	-112.616	34.48627	Barney	A0904238	0.095	0.18	1.31	5.10	10.00
A904239	239	351579.9	3817310	-112.616	34.48672	Barney	A0904239	0.101	0.34	3.26	4.20	10.00
A904240	Oreas 263						A0904240	0.144	0.29	1.14	33.60	10.00
A904241	241	351580.8	3817360	-112.616	34.48717	Barney	A0904241	0.039	0.08	4.18	6.00	10.00
A904242	242	351621.1	3816799	-112.616	34.48212	Barney	A0904242	0.024	0.13	1.83	5.40	10.00
A904243	243	351621.5	3816824	-112.616	34.48235	Barney	A0904243	0.011	0.10	1.69	8.00	10.00
A904244	244	351621.9	3816849	-112.616	34.48257	Barney	A0904244	0.022	0.17	3.03	10.50	10.00
A904245	245	351622.4	3816874	-112.616	34.4828	Barney	A0904245	0.016	0.11	2.16	7.90	10.00
A904246	246	351622.8	3816899	-112.616	34.48302	Barney	A0904246	0.013	0.08	2.52	11.30	10.00
A904247	247	351623.2	3816924	-112.616	34.48325	Barney	A0904247	0.016	0.11	1.73	10.90	10.00
A904248	248	351623.7	3816949	-112.616	34.48347	Barney	A0904248	0.024	0.05	1.02	5.20	10.00
A904249	249	351624.1	3816974	-112.616	34.4837	Barney	A0904249	0.018	0.08	2.34	7.60	10.00
A904250	250	351624.5	3816999	-112.616	34.48392	Barney	A0904250	0.074	0.18	3.17	7.90	10.00
A904251	251	351625	3817024	-112.616	34.48415	Barney	A0904251	0.023	0.13	2.03	8.40	10.00
A904252	252	351625.4	3817049	-112.616	34.48437	Barney	A0904252	0.027	0.11	2.23	5.20	10.00
A904253	253	351625.8	3817074	-112.616	34.4846	Barney	A0904253	0.112	0.25	3.27	8.20	10.00
A904254	254	351626.3	3817099	-112.616	34.48483	Barney	A0904254	0.063	0.11	2.08	5.40	10.00
A904255	255	351626.7	3817124	-112.616	34.48505	Barney	A0904255	0.084	0.15	2.37	5.80	10.00
A904256	256	351627.1	3817149	-112.616	34.48528	Barney	A0904256	0.109	0.20	3.34	4.90	10.00
A904257	257	351627.6	3817174	-112.616	34.4855	Barney	A0904257	0.386	0.51	2.10	11.50	10.00
A904258	258	351667.4	3816584	-112.615	34.48018	Barney	A0904258	0.020	0.16	3.14	3.80	10.00
A904259	259	351668.2	3816633	-112.615	34.48063	Barney	A0904259	0.062	0.25	3.21	6.50	10.00
A904260	Oreas 21E						A0904260	-0.001	-0.01	0.03	0.50	-10.00
A904261	261	351669.1	3816683	-112.615	34.48108	Barney	A0904261	0.028	0.10	3.39	7.00	10.00
A904262	262	351669.9	3816733	-112.615	34.48153	Barney	A0904262	0.034	0.17	2.64	4.90	10.00
A904263	263	351670.8	3816783	-112.615	34.48198	Barney	A0904263	0.010	0.15	1.85	12.70	10.00
A904264	264	351671.2	3816808	-112.615	34.48221	Barney	A0904264	0.010	0.10	2.47	9.60	10.00

Sample_ID	PegNum	East	North	Long	Lat	sampler	lab_ID	Au_ppm	Ag_ppm	Al_%	As_ppm	B_ppm
A904265	265	351671.7	3816833	-112.615	34.48244	Barney	A0904265	0.004	0.15	2.05	13.00	10.00
A904266	266	351672.1	3816858	-112.615	34.48266	Barney	A0904266	0.004	0.18	2.21	12.10	10.00
A904267	267	351672.5	3816883	-112.615	34.48289	Barney	A0904267	0.001	0.06	2.22	6.70	10.00
A904268	268	351673	3816908	-112.615	34.48311	Barney	A0904268	0.011	0.07	0.76	11.70	10.00
A904269	269	351673.4	3816933	-112.615	34.48334	Barney	A0904269	0.001	0.06	1.46	14.10	10.00
A904270	270	351673.8	3816958	-112.615	34.48356	Barney	A0904270	0.002	0.09	1.60	6.00	10.00
A904271	271	351674.3	3816983	-112.615	34.48379	Barney	A0904271	0.007	0.09	1.57	4.80	10.00
A904272	272	351674.7	3817008	-112.615	34.48401	Barney	A0904272	0.004	0.07	1.40	6.10	10.00
A904273	273	351675.1	3817033	-112.615	34.48424	Barney	A0904273	0.020	0.14	1.59	4.40	10.00
A904274	274	351675.6	3817058	-112.615	34.48446	Barney	A0904274	0.136	0.15	1.59	4.40	10.00
A904275	275	351676	3817083	-112.615	34.48469	Barney	A0904275	0.040	0.22	2.29	4.30	10.00
A904276	276	351676.4	3817108	-112.615	34.48491	Barney	A0904276	0.121	0.13	2.00	5.70	10.00
A904277	277	351676.9	3817133	-112.615	34.48514	Barney	A0904277	0.109	0.15	2.69	6.00	10.00
A904278	278	351677.3	3817158	-112.615	34.48537	Barney	A0904278	0.181	0.17	2.63	5.80	10.00
A904279	279	351677.7	3817183	-112.615	34.48559	Barney	A0904279	0.223	0.32	1.47	4.00	10.00
A904280	Oreas 21E						A0904280	0.001	-0.01	0.02	0.60	10.00
A904281	281	351678.6	3817233	-112.615	34.48604	Barney	A0904281	0.103	0.20	2.66	3.00	10.00
A904282	282	351679.5	3817283	-112.615	34.48649	Barney	A0904282	0.125	0.34	4.13	5.20	10.00
A904283	283	351680.3	3817333	-112.615	34.48694	Barney	A0904283	0.019	0.10	3.34	7.10	10.00
A904284	284	351772.1	3816857	-112.614	34.48266	Barney	A0904284	0.004	0.21	1.19	7.10	10.00
A904285	285	351773	3816907	-112.614	34.48311	Barney	A0904285	0.039	0.23	2.62	6.50	10.00
A904286	286	351773.8	3816957	-112.614	34.48356	Barney	A0904286	0.009	0.35	1.74	6.30	10.00
A904287	287	351774.7	3817007	-112.614	34.48401	Barney	A0904287	0.221	0.13	1.33	5.20	10.00
A904288	288	351775.5	3817057	-112.614	34.48446	Barney	A0904288	0.036	0.28	2.49	2.40	10.00
A904289	289	351776.4	3817107	-112.614	34.48491	Barney	A0904289	0.058	0.08	1.57	4.10	10.00
A904290	290	351777.3	3817157	-112.614	34.48536	Barney	A0904290	0.025	0.18	2.48	4.10	10.00
A904291	291	351778.1	3817207	-112.614	34.48582	Barney	A0904291	0.031	0.17	2.91	4.00	10.00
A904292	292	351779	3817257	-112.614	34.48627	Barney	A0904292	0.062	0.10	2.15	3.60	10.00
A904293	293	351779.9	3817307	-112.614	34.48672	Barney	A0904293	0.004	0.10	3.06	3.20	10.00
A904294	294	351780.7	3817357	-112.614	34.48717	Barney	A0904294	0.004	0.07	2.41	2.20	10.00
A904295	295	351872.5	3816880	-112.613	34.48288	Barney	A0904295	0.019	0.28	2.61	6.70	10.00
A904296	296	351873.4	3816930	-112.613	34.48333	Barney	A0904296	0.016	0.08	1.67	4.30	10.00
A904297	297	351874.2	3816980	-112.613	34.48379	Barney	A0904297	0.032	0.09	1.96	4.40	10.00

Sample_ID	PegNum	East	North	Long	Lat	sampler	lab_ID	Au_ppm	Ag_ppm	Al_%	As_ppm	B_ppm
A904298	298	351875.1	3817030	-112.613	34.48424	Barney	A0904298	0.013	0.09	1.68	3.80	10.00
A904299	299	351876	3817080	-112.613	34.48469	Barney	A0904299	0.005	0.07	1.54	2.20	10.00
A904300	Oreas 263						A0904300	0.151	0.31	1.28	31.30	10.00
A904301	301	351876.8	3817130	-112.613	34.48514	Barney	A0904301	0.001	0.07	1.61	5.90	10.00
A904302	302	351877.7	3817180	-112.613	34.48559	Barney	A0904302	0.012	0.16	2.64	4.10	10.00
A904303	303	351878.6	3817230	-112.613	34.48604	Barney	A0904303	0.034	0.13	3.55	3.90	10.00
A904304	304	351879.4	3817280	-112.613	34.48649	Barney	A0904304	0.076	0.20	2.17	2.20	10.00
A904305	305	351880.3	3817330	-112.613	34.48694	Barney	A0904305	0.020	0.10	1.66	2.30	10.00
A904306	306	351972.1	3816853	-112.612	34.48266	Barney	A0904306	0.021	0.14	2.17	4.80	10.00
A904307	307	351972.9	3816903	-112.612	34.48311	Barney	A0904307	0.008	0.08	1.69	4.00	10.00
A904308	308	351973.8	3816953	-112.612	34.48356	Barney	A0904308	0.025	0.13	2.48	3.30	10.00
A904309	309	351974.7	3817003	-112.612	34.48401	Barney	A0904309	0.031	0.09	2.55	4.20	10.00
A904310	310	351975.5	3817053	-112.612	34.48446	Barney	A0904310	0.161	0.16	2.88	4.00	10.00
A904311	311	351976.4	3817103	-112.612	34.48491	Barney	A0904311	0.003	0.04	0.96	3.00	-10.00
A904312	312	351977.2	3817153	-112.612	34.48536	Barney	A0904312	0.021	0.14	1.90	5.30	10.00
A904313	313	351978.1	3817203	-112.612	34.48581	Barney	A0904313	0.560	0.13	1.38	5.70	10.00
A904314	314	351979	3817253	-112.612	34.48626	Barney	A0904314	0.015	0.09	2.50	3.50	10.00
A904315	315	351979.8	3817303	-112.612	34.48671	Barney	A0904315	0.023	0.27	2.87	5.30	10.00
A904316	316	351980.7	3817353	-112.612	34.48717	Barney	A0904316	0.018	0.17	4.15	5.50	10.00
A904317	dup 4050						A0904317	0.004	0.06	3.60	5.30	10.00
A904318	dup 4101						A0904318	0.043	0.09	2.65	6.80	10.00
A904319	dup 4150						A0904319	0.066	0.22	3.89	8.40	10.00
A904320	Oreas 21E						A0904320	-0.001	-0.01	0.03	0.70	-10.00
A904321	dup 4199						A0904321	0.028	0.08	3.46	4.80	10.00
A904322	dup 4250						A0904322	0.066	0.18	3.05	8.10	10.00
A904323	dup 4299						A0904323	0.007	0.07	1.45	2.40	10.00
A904324	dup 4210						A0904324	0.069	0.26	3.81	7.30	10.00

Sample_ID	Ba_ppm	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm
A904001	800	0.92	0.05	1.06	0.06	97.3	35.6	72	3.61	11.5	5.55	15.8
A904002	360	1.41	0.07	1.82	0.06	93.8	48.6	600	1.34	14.3	9.62	21.5
A904003	340	1.31	0.15	0.58	0.09	72.8	25.2	64	4.07	21.1	4.22	10.95
A904004	210	0.93	0.06	1.1	0.06	92.4	25.4	51	11.15	15.8	4.43	8.23
A904005	370	0.83	0.07	0.99	0.06	71	27.1	62	4.22	9.9	4.57	11.25
A904006	750	1	0.29	3.73	0.08	154	35.2	299	20.5	45.5	6.29	12.5
A904007	370	1.17	0.14	0.48	0.15	96.2	27.7	49	8.73	15.6	4.5	10.45
A904008	390	0.71	0.06	0.74	0.07	47.6	25.7	69	2.2	15.4	4.6	9.97
A904009	440	0.82	0.17	1.65	0.18	50.3	29.6	78	2.86	15.8	5.18	11.15
A904010	750	0.82	0.08	0.71	0.09	56.4	36	167	9.38	44.2	5.82	14.7
A904011	560	0.98	0.11	0.65	0.04	92.9	27.6	75	9.89	66.6	5.09	14.65
A904012	800	1.05	0.07	1.03	0.06	112.5	27	50	1.19	13.4	4.74	15.5
A904013	380	1.1	0.07	0.79	0.11	76.8	21.5	42	6.43	11.2	4.04	7.53
A904014	670	0.93	0.08	0.76	0.05	71.9	25	57	8.76	14	4.62	11.45
A904015	290	1.24	0.15	0.36	0.06	77.2	17.9	37	11.7	17.6	4.94	7.62
A904016	280	0.91	0.14	0.62	0.11	56.8	28.1	68	3.2	27.7	4.26	9.38
A904017	370	0.51	0.03	0.77	0.02	44.7	22.2	17	1.32	40.5	3.96	8.65
A904018	390	0.94	0.07	0.81	0.07	52.2	30.2	68	2.19	18.3	4.99	13.8
A904019	410	1.24	0.11	0.88	0.06	71.9	25.9	63	2.12	13.2	5.07	15.6
A904020	160	1.27	0.5	1	0.29	30.9	31.7	43	2.34	86.4	3.61	4.28
A904021	210	0.9	0.17	0.5	0.16	40.9	18	52	2.2	18.1	3.48	8.21
A904022	660	0.72	0.04	0.88	0.02	48.9	28.9	66	1.02	27	4.26	10.35
A904023	590	0.97	0.09	1.02	0.08	78.7	28.3	59	5.35	22	4.65	14.9
A904024	350	1.04	0.16	0.74	0.11	90.3	28.4	111	4.57	18.8	4.89	13.4
A904025	240	0.9	0.11	0.45	0.11	106.5	21.1	52	5.67	12.5	3.78	9.74
A904026	190	0.97	0.17	0.39	0.08	141	21.3	42	7.31	9.5	4.05	10.3
A904027	350	1.02	0.11	0.66	0.06	83.7	29.1	67	6.64	13.7	5.3	12.35
A904028	200	1.12	0.14	0.48	0.13	98.8	21.6	40	4.52	12.6	3.97	6.55
A904029	690	0.62	0.06	0.92	0.04	60.9	23.7	63	10.35	5.2	4.66	11
A904030	600	0.88	0.06	0.94	0.06	51.3	30.1	76	4.06	29.4	5.18	14.2
A904031	350	1.04	0.12	0.78	0.14	62.8	28.3	64	1.8	22.2	4.74	13.7
A904032	400	0.9	0.07	0.79	0.07	43.7	29.4	74	1.57	14	4.85	12.3
A904033	400	0.62	0.06	0.9	0.06	43.4	28.9	78	3.19	22.1	5.19	10.45

Sample_ID	Ba_ppm	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm
A904034	290	0.84	0.08	0.56	0.08	41.1	28.6	68	2.49	16	4.54	11.15
A904035	180	0.97	0.11	0.44	0.06	122	29	42	6.96	9.6	4.41	9.6
A904036	360	0.72	0.06	1.13	0.04	68.4	31.4	63	4.74	8.9	5.47	15.25
A904037	390	0.74	0.13	0.59	0.08	101	20.9	31	8.72	13.7	3.97	8.75
A904038	270	0.58	0.16	0.91	0.17	76.7	17.3	45	5.01	21.9	3.41	6.06
A904039	190	0.56	0.12	0.52	0.06	102	23.2	76	2.42	34.4	4.14	7.53
A904040	-10	-0.05	0.01	0.01	-0.01	1.29	0.3	5	-0.05	4	0.32	0.08
A904041	280	0.82	0.16	0.95	0.12	91.9	20	54	4.1	22.8	3.78	8.71
A904042	250	0.87	0.16	0.72	0.1	87.4	22.8	110	2.83	46.7	4.26	10
A904043	210	0.83	0.12	0.61	0.11	70.8	21.5	68	3.74	14.8	3.82	8.99
A904044	470	0.75	0.06	1.02	0.05	43.1	25.1	71	2.13	8.3	4.41	9.59
A904045	510	0.78	0.11	0.89	0.1	64.7	23.7	63	3.88	13.7	4.13	9.7
A904046	650	0.6	0.04	1.15	0.03	30.4	27.7	81	3.2	5.3	4.2	10.45
A904047	340	0.72	0.12	0.52	0.1	71.1	25	60	8.03	12.5	4.31	9.09
A904048	280	0.65	0.1	0.58	0.09	61.3	21.2	50	3.19	16.3	3.76	7.89
A904049	310	0.79	0.14	0.59	0.13	62.5	21.4	54	3.65	17.2	3.84	8.85
A904050	420	0.66	0.06	0.95	0.07	57.7	26.2	62	2.58	16.7	4.73	10.45
A904051	180	0.71	0.06	0.67	0.05	44.1	28.2	65	1.56	16.1	4.64	11.05
A904052	220	0.69	0.1	0.52	0.1	54.4	19.9	50	2.54	20.5	3.67	7.95
A904053	210	0.66	0.07	0.59	0.02	100	22.9	48	3.7	7.9	4.47	8.51
A904054	520	0.65	0.06	1.03	0.03	77.7	24.7	63	6.12	12.3	5.1	11.95
A904055	690	0.52	0.08	1.06	0.04	82.6	30.2	128	4.75	39.2	6.01	15.85
A904056	160	0.6	0.19	0.53	0.18	66.4	19.5	40	2.09	21.5	3.15	7.27
A904057	160	0.73	0.16	0.65	0.12	65.5	17.2	46	2.76	18.4	3.27	7.53
A904058	160	0.87	0.13	0.57	0.11	82.1	21.9	52	2.03	13.9	3.43	9.19
A904059	160	0.74	0.16	0.55	0.13	74.6	20.7	64	2.07	30.2	3.63	8.24
A904060	170	1.01	0.47	1.03	0.27	32.4	29.1	44	2.37	85.4	3.67	4.08
A904061	330	0.92	0.12	0.88	0.05	62.4	21.7	58	1.85	35.7	4.64	13.6
A904062	180	0.78	0.12	0.67	0.08	91.7	19.8	50	2.64	17.5	3.56	9.68
A904063	200	0.75	0.12	0.72	0.1	68.6	20.4	45	3.75	29.6	3.65	8.59
A904064	360	0.62	0.06	0.89	0.08	38.7	32.8	77	4.08	15.4	5.42	12.35
A904065	370	0.69	0.07	0.96	0.05	72.5	32.6	69	9.61	16.2	6.28	12.7
A904066	330	0.7	0.11	0.92	0.05	116	33.1	51	5.34	16.1	5.13	12.4

Sample_ID	Ba_ppm	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm
A904067	250	0.66	0.14	0.55	0.12	48.1	20.3	47	2.17	18.6	3.6	7.62
A904068	180	0.75	0.13	0.45	0.1	61.1	17.3	36	6.54	22.1	3.67	7.67
A904069	160	0.64	0.1	0.41	0.06	37	16.4	29	3.4	13.1	3.03	6.96
A904070	500	0.71	0.05	1.09	0.03	95	26.5	46	8.23	34.7	4.58	12.3
A904071	230	0.77	0.12	0.7	0.07	117	19.7	33	3.61	22.4	4.61	13.1
A904072	210	0.65	0.13	0.67	0.1	89	19.1	32	4.87	56.7	3.6	8.66
A904073	310	1.14	0.27	1.01	0.1	89.5	32.2	253	6.04	39.6	5.9	14.2
A904074	420	0.9	0.09	0.8	0.06	116.5	29.6	50	2.11	37	4.37	11.65
A904075	400	0.86	0.1	0.88	0.05	51.4	29	107	1.08	38.3	4.08	8.37
A904076	300	1.02	0.16	0.69	0.09	71.7	29.4	104	1.39	88.2	4.21	11.1
A904077	280	1.17	0.15	0.7	0.1	89.6	25	47	1.49	20	3.87	11.7
A904078	180	1.06	0.13	0.85	0.04	109	24.2	38	0.69	142.5	3.88	13.5
A904079	240	1.46	0.09	0.95	0.05	74.4	26.9	68	1.1	14.4	4.21	13.3
A904080	-10	-0.05	0.01	0.01	-0.01	1.62	0.4	5	-0.05	4.4	0.32	0.13
A904081	140	1.28	0.14	0.61	0.07	131	23.3	50	3.95	25.5	4.28	13
A904082	200	1.03	0.26	1.01	0.2	87.8	28.4	64	3.35	42.5	4.21	10.65
A904083	250	1.15	0.2	0.68	0.12	78.7	26.3	53	2.45	33	3.74	10.35
A904084	320	1.21	0.22	0.97	0.07	59.7	37.5	77	2.08	39.6	5.52	15.25
A904085	200	1.19	0.18	0.59	0.08	52.5	27	124	2.8	48.2	4.2	11.45
A904086	200	1.25	0.15	0.67	0.1	70.1	25.1	59	1.95	25.6	4.14	11.6
A904087	320	1.02	0.15	0.57	0.12	62.3	30	57	3.23	18.7	4.22	10.35
A904088	450	0.85	0.06	0.88	0.07	56.2	32.7	73	1.84	16.9	4.85	12.7
A904089	250	1.08	0.19	0.94	0.08	63.7	27.7	36	1.44	27.2	4.69	13.65
A904090	160	1.01	0.18	0.41	0.08	49.6	23.1	33	1.86	16.3	3.48	9.24
A904091	160	0.92	0.22	0.38	0.13	63.4	22.5	31	1.81	19.2	3.15	7.5
A904092	250	0.83	0.48	0.83	0.06	112.5	30.2	49	1.99	24.4	3.67	11.3
A904093	200	1.06	0.26	0.75	0.07	92.7	26.2	77	0.81	30.6	4.41	11.85
A904094	270	1.05	0.22	0.82	0.12	67.4	28.5	102	1	50.3	4.34	11.1
A904095	550	1.01	0.07	0.98	0.05	65.2	27.1	38	0.89	27.4	4.25	11.95
A904096	240	1.02	0.15	0.95	0.06	70.1	21.6	53	0.7	35.5	3.66	10.45
A904097	270	0.9	0.24	0.85	0.16	84.6	24.6	59	1.03	34.2	3.59	10
A904098	210	1.05	0.18	0.93	0.13	67.4	26.4	42	1.26	33.6	3.57	10.1
A904099	120	1.41	0.33	0.56	0.06	122.5	22	35	1.37	10.9	3.44	10.5

Sample_ID	Ba_ppm	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm
A904100	160	1.17	0.47	0.98	0.28	30.5	31	41	2.66	85.7	3.54	4.06
A904101	170	1.15	0.15	0.73	0.11	95.4	19.7	39	1.37	23.4	3.31	8.95
A904102	210	1.21	0.11	1.16	0.09	58.6	27.9	185	2.97	77.5	4.49	10.75
A904103	400	1.26	0.09	1.13	0.09	80.2	30.7	42	1.74	19.6	4.54	12.5
A904104	220	0.87	0.11	0.51	0.07	58.4	22.5	36	2.22	23.7	3.79	9.01
A904105	180	0.94	0.16	0.75	0.1	118.5	13.2	33	3.42	46.6	4.2	11.6
A904106	280	0.96	0.15	0.79	0.08	124	24.5	35	7.91	17.4	4.37	11.3
A904107	200	1	0.12	0.62	0.09	59.7	24.2	37	1.86	18.4	4.08	11.15
A904108	210	0.9	0.16	1.03	0.16	65.9	24	36	1.95	33.6	3.71	9.29
A904109	280	0.94	0.1	1.01	0.07	58.3	21.1	33	0.94	11.1	3.55	10.65
A904110	210	1.01	0.16	0.6	0.11	67.7	24.9	32	1.04	26.4	3.96	11.35
A904111	280	0.88	0.21	0.69	0.12	60.9	29.6	62	1.96	33.4	4.58	9.4
A904112	210	0.76	0.38	0.78	0.12	110.5	30.8	54	1.93	31.3	4.75	9.61
A904113	190	0.84	0.83	0.55	0.24	79.8	39.6	107	2.8	60.6	4.71	7.65
A904114	310	1.03	0.32	0.8	0.09	79.5	30.8	104	1.85	44.1	4.87	12.45
A904115	230	0.92	0.47	0.97	0.07	45.4	37.5	474	2.83	80.9	5.69	11.6
A904116	210	0.91	0.25	0.69	0.12	76.7	25.4	72	3.06	28.2	3.89	8.46
A904117	140	1.01	0.16	0.43	0.08	61.4	21.6	54	3	24	3.66	7.31
A904118	80	1.32	0.55	0.43	0.05	174	35.2	22	1.92	34.1	4.96	6.08
A904119	290	0.98	0.23	0.73	0.06	58.8	32.3	66	3.4	32.1	4.88	12.25
A904120	-10	-0.05	0.01	0.01	-0.01	1.63	0.5	5	-0.05	4.5	0.33	0.14
A904121	300	1.11	0.22	1.07	0.13	96.6	27.8	50	2.17	20.5	4.1	10.2
A904122	170	1.29	0.19	0.79	0.19	72	24.3	62	1	26.4	3.95	10.4
A904123	190	1.03	0.23	0.78	0.19	47.6	28.5	62	1.91	33.1	3.95	8.47
A904124	390	1	0.08	1.3	0.05	63.7	35	47	2.16	13.6	5.24	13.7
A904125	280	1.12	0.21	0.94	0.07	109	29.2	42	1.56	26.4	4.95	15.3
A904126	200	0.84	0.25	0.6	0.2	55.6	22.2	37	1.61	24.3	3.73	8.11
A904127	220	0.98	0.24	0.59	0.12	72.8	25.7	48	1.51	37.8	4.08	9.13
A904128	170	1	0.45	0.69	0.1	121.5	31.4	32	1.12	21	4.77	11.2
A904129	200	0.99	0.35	0.84	0.07	138.5	25.8	126	1.98	93.8	4.75	12.15
A904130	270	0.62	0.69	0.71	0.04	87	29.4	39	1.98	737	4.56	8.2
A904131	600	1	0.15	1.11	0.06	56	32.1	94	1.29	49.3	5.06	11.2
A904132	330	0.93	0.19	1	0.13	72.6	27.7	57	0.99	33.4	4.18	11

Sample_ID	Ba_ppm	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm
A904133	220	0.93	0.2	0.94	0.14	73.4	26.8	78	1.35	40.7	4.14	11
A904134	210	1.07	0.18	0.81	0.09	87.5	27.7	77	1.48	33	4.41	11.65
A904135	210	1.19	0.18	0.96	0.15	108.5	27.7	57	1.74	28.9	4.47	12.25
A904136	220	1.79	0.11	0.67	0.09	143.5	28	36	4.45	10.1	5.58	6.33
A904137	570	0.84	0.04	1.24	0.07	33.4	31.3	91	3.79	10	5.11	15
A904138	320	1.29	0.09	0.89	0.09	32.1	22.5	37	0.76	54.5	3.97	12.55
A904139	340	0.67	0.06	1.2	0.06	24.8	30.3	108	1.46	70.8	5.99	9.11
A904140	-10	-0.05	0.01	0.01	-0.01	1.45	0.4	5	-0.05	4.5	0.33	0.12
A904141	260.00	0.86	0.18	0.76	0.14	99.30	21.40	40.00	3.90	22.00	4.13	9.91
A904142	240.00	0.89	0.19	0.61	0.11	86.40	21.80	40.00	5.88	31.30	4.06	10.05
A904143	380.00	0.97	0.10	1.14	0.04	63.40	27.10	23.00	1.93	38.30	4.73	13.15
A904144	180.00	0.90	0.19	0.57	0.09	65.00	23.10	32.00	2.21	26.60	3.54	9.14
A904145	220.00	1.00	0.17	0.65	0.21	67.60	22.30	33.00	1.53	33.00	3.78	10.25
A904146	220.00	0.95	0.13	0.59	0.06	54.60	25.80	36.00	1.14	20.20	4.18	11.40
A904147	410.00	0.89	0.25	1.21	0.10	61.40	37.50	63.00	1.23	38.70	5.43	12.70
A904148	270.00	0.90	0.25	0.77	0.09	67.10	25.70	53.00	1.74	20.20	4.35	10.80
A904149	320.00	1.01	0.22	1.08	0.08	80.60	24.60	46.00	1.55	19.40	4.68	11.25
A904150	270.00	0.97	0.29	1.04	0.08	88.20	30.30	42.00	1.07	59.60	4.90	11.95
A904151	320.00	0.88	0.21	0.96	0.11	82.40	22.20	36.00	4.27	16.60	4.21	9.46
A904152	340.00	0.65	0.12	0.98	0.04	99.00	24.60	45.00	7.91	15.30	4.90	13.05
A904153	210.00	0.88	1.04	1.30	0.09	74.30	37.30	305.00	7.86	171.00	6.49	9.81
A904154	180.00	0.72	0.22	0.43	0.11	59.90	21.90	58.00	2.89	23.20	3.56	7.06
A904155	220.00	0.99	0.26	0.66	0.08	82.70	24.50	53.00	4.38	25.50	4.52	10.30
A904156	220.00	0.73	0.32	0.61	0.25	56.80	18.50	50.00	3.72	23.80	3.32	6.63
A904157	340.00	0.83	0.12	1.10	0.06	49.60	26.40	173.00	2.77	48.10	5.16	9.49
A904158	310.00	0.92	0.44	0.83	0.11	75.20	24.60	35.00	1.22	12.30	3.78	10.05
A904159	390.00	0.89	0.08	0.56	0.06	49.30	25.70	38.00	1.77	32.40	4.32	11.10
A904160	170.00	1.17	0.48	1.04	0.26	30.60	30.20	44.00	2.36	86.40	3.72	4.18
A904161	360.00	0.86	0.12	0.80	0.08	93.90	22.00	35.00	2.44	56.80	4.09	11.15
A904162	260.00	0.84	0.15	0.83	0.17	61.90	22.20	39.00	1.52	23.00	4.32	9.90
A904163	270.00	0.80	0.20	0.97	0.13	52.70	25.70	63.00	2.26	91.50	6.13	7.58
A904164	270.00	0.77	0.25	0.79	0.17	69.00	23.50	50.00	3.35	34.50	4.39	9.55
A904165	240.00	0.85	0.16	0.62	0.10	57.40	23.00	43.00	2.67	19.90	4.11	9.33

Sample_ID	Ba_ppm	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm
A904166	250.00	0.81	0.22	0.67	0.09	132.00	23.30	44.00	2.24	27.00	4.44	9.82
A904167	290.00	0.97	0.25	0.83	0.12	83.00	23.20	39.00	2.02	25.60	4.19	9.61
A904168	230.00	0.88	0.23	0.65	0.13	98.60	22.20	36.00	5.92	25.10	4.01	9.38
A904169	260.00	0.75	0.30	0.66	0.10	85.80	21.90	89.00	6.55	22.70	4.37	8.01
A904170	220.00	0.79	0.24	0.42	0.08	80.50	33.90	49.00	5.94	53.40	4.20	6.16
A904171	230.00	0.77	0.17	0.60	0.13	55.40	23.60	53.00	6.58	35.60	3.96	7.17
A904172	300.00	0.84	0.17	0.81	0.07	98.40	22.40	43.00	5.32	22.70	3.48	9.38
A904173	360.00	0.83	0.20	1.02	0.08	104.50	25.50	49.00	2.17	31.50	4.94	11.20
A904174	270.00	0.96	0.30	0.98	0.06	112.00	26.80	42.00	1.02	17.20	4.80	11.85
A904175	400.00	0.69	0.15	0.90	0.11	90.30	23.80	34.00	1.04	22.40	4.43	9.78
A904176	640.00	0.88	0.09	1.19	0.05	78.30	28.10	41.00	1.22	17.30	4.57	11.65
A904177	560.00	0.81	0.26	1.03	0.08	55.30	22.70	37.00	1.23	30.20	4.23	10.25
A904178	220.00	0.83	0.19	0.69	0.17	39.40	21.50	63.00	2.17	83.80	4.64	9.31
A904179	210.00	0.99	0.16	0.75	0.14	50.10	18.90	31.00	1.05	19.60	3.43	9.16
A904180	-10.00	-0.05	0.01	0.01	-0.01	1.41	0.40	5.00	-0.05	4.20	0.33	0.10
A904181	320.00	0.74	0.11	1.18	0.12	41.90	23.90	41.00	1.57	20.60	5.15	11.65
A904182	220.00	0.88	0.11	0.51	0.14	45.70	21.90	38.00	1.84	15.00	3.89	9.47
A904183	170.00	1.02	0.17	0.96	0.09	48.90	21.10	32.00	1.13	37.70	4.22	12.65
A904184	220.00	0.90	0.18	0.77	0.20	65.40	21.00	38.00	2.97	36.00	3.73	8.82
A904185	290.00	1.11	0.12	0.89	0.11	61.90	23.10	35.00	3.44	14.70	4.50	12.15
A904186	220.00	1.19	0.14	0.61	0.11	111.00	22.90	35.00	9.46	20.00	4.23	11.25
A904187	440.00	0.84	0.25	1.01	0.11	75.00	26.20	86.00	9.38	39.60	4.85	9.86
A904188	180.00	0.82	0.20	0.27	0.08	76.10	16.00	41.00	6.44	31.40	3.57	8.72
A904189	240.00	0.87	0.20	0.63	0.09	73.60	24.00	42.00	4.71	24.40	3.95	8.73
A904190	300.00	0.82	0.14	0.38	0.10	86.10	16.60	24.00	7.67	13.10	3.27	7.16
A904191	460.00	0.93	0.11	0.99	0.05	134.50	32.10	64.00	6.30	33.10	4.53	12.75
A904192	250.00	0.84	0.26	0.71	0.09	99.00	18.70	64.00	5.49	35.20	4.03	11.10
A904193	270.00	0.96	0.34	0.65	0.10	83.50	32.40	117.00	6.90	115.00	5.27	9.30
A904194	280.00	1.12	0.30	0.60	0.14	81.30	24.50	91.00	4.24	35.40	4.46	10.50
A904195	240.00	0.84	0.23	0.73	0.17	72.00	26.60	63.00	3.07	53.00	4.47	10.00
A904196	310.00	0.92	0.22	1.14	0.09	106.00	29.70	56.00	4.36	62.70	5.55	14.10
A904197	300.00	1.09	0.16	0.92	0.09	96.20	17.80	33.00	1.41	29.50	3.93	11.50
A904198	210.00	0.76	0.16	0.50	0.09	45.10	19.10	32.00	2.91	26.00	3.09	8.10

Sample_ID	Ba_ppm	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm
A904199	200.00	1.27	0.10	0.96	0.09	48.40	22.00	34.00	1.14	16.50	4.31	12.75
A904200	160.00	1.18	0.48	1.01	0.28	27.30	30.40	42.00	2.48	88.30	3.54	3.73
A904201	200.00	0.99	0.22	0.74	0.19	71.00	21.20	32.00	2.21	29.90	3.87	9.13
A904202	220.00	0.97	0.27	0.65	0.23	84.30	22.20	33.00	6.53	35.50	3.89	9.17
A904203	170.00	1.05	0.21	0.45	0.12	77.60	22.50	30.00	4.68	24.40	3.61	9.36
A904204	230.00	1.06	0.15	0.64	0.10	94.90	21.60	26.00	4.26	19.50	3.79	9.28
A904205	200.00	0.84	0.18	0.54	0.11	90.30	16.30	20.00	5.19	14.20	2.92	6.03
A904206	240.00	0.79	0.18	0.64	0.14	90.00	20.00	34.00	6.67	26.10	3.65	7.53
A904207	610.00	0.65	0.07	1.32	0.13	87.20	28.60	30.00	4.67	53.20	5.61	7.87
A904208	580.00	0.80	0.47	0.42	0.19	49.10	21.30	46.00	1.69	46.90	4.54	5.48
A904209	340.00	1.06	0.13	0.90	0.09	93.40	18.50	32.00	1.92	41.10	4.20	11.65
A904210	380.00	0.79	0.41	1.37	0.11	33.40	25.40	100.00	2.69	87.70	6.09	12.50
A904211	320.00	0.92	0.95	0.32	0.15	68.20	36.20	43.00	2.48	106.50	4.74	6.84
A904212	340.00	1.16	0.53	0.46	0.15	69.00	28.00	47.00	3.29	60.60	4.22	9.39
A904213	500.00	0.76	3.97	1.02	0.10	33.50	100.50	271.00	8.19	487.00	7.86	7.31
A904214	200.00	0.74	0.24	0.66	0.09	75.90	23.50	51.00	3.08	40.90	4.01	8.24
A904215	430.00	0.61	0.27	0.98	0.05	101.00	24.80	43.00	2.51	45.60	4.95	13.60
A904216	180.00	1.08	0.25	0.95	0.09	99.70	30.70	40.00	0.67	24.10	4.27	13.20
A904217	160.00	1.21	0.31	0.79	0.11	100.50	20.60	29.00	0.57	25.50	4.20	10.80
A904218	200.00	0.76	0.63	1.03	0.09	35.70	37.20	109.00	1.26	126.00	4.78	11.75
A904219	170.00	1.34	0.25	0.72	0.15	86.00	24.50	48.00	1.53	45.00	4.06	9.71
A904220	-10.00	-0.05	0.01	0.01	-0.01	1.36	0.40	5.00	-0.05	4.40	0.32	0.09
A904221	150.00	1.15	0.16	0.73	0.11	136.50	12.70	21.00	1.24	53.30	3.84	8.70
A904222	160.00	1.23	0.69	0.85	0.21	85.30	21.80	40.00	1.27	83.80	4.17	9.23
A904223	110.00	0.83	0.07	0.75	0.09	51.00	17.70	37.00	2.36	67.90	4.70	10.95
A904224	120.00	0.88	0.10	0.66	0.09	28.20	20.40	6.00	5.02	28.10	5.26	9.19
A904225	430.00	0.72	0.13	0.55	0.07	98.90	21.90	40.00	5.19	76.60	4.17	8.92
A904226	360.00	0.85	0.20	0.67	0.12	88.20	21.40	34.00	5.29	39.30	4.01	8.81
A904227	280.00	0.81	0.19	0.70	0.18	65.00	21.40	26.00	7.77	29.60	3.06	5.66
A904228	190.00	0.83	0.18	0.43	0.12	71.50	18.60	20.00	7.44	13.40	2.85	5.73
A904229	570.00	0.95	0.14	0.88	0.12	62.80	32.90	21.00	2.94	64.40	5.22	5.86
A904230	420.00	1.14	0.22	0.56	0.11	67.30	23.60	34.00	3.52	41.10	4.69	9.68
A904231	440.00	0.73	0.29	0.97	0.09	26.40	23.60	284.00	5.87	35.90	4.17	10.25

Sample_ID	Ba_ppm	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm
A904232	230.00	0.97	0.32	0.73	0.15	100.50	37.00	62.00	5.85	250.00	4.68	10.40
A904233	230.00	0.87	0.43	0.59	0.15	69.50	23.70	55.00	2.74	85.50	4.45	8.63
A904234	100.00	0.46	0.22	0.56	0.10	40.40	18.20	45.00	1.22	49.80	4.85	5.35
A904235	240.00	0.97	0.25	0.63	0.16	65.50	26.40	40.00	1.12	51.10	4.17	9.90
A904236	260.00	1.11	0.23	0.64	0.12	73.70	18.50	29.00	0.98	63.90	3.59	10.20
A904237	150.00	0.84	0.22	0.39	0.15	50.50	21.10	45.00	0.90	37.50	3.50	5.89
A904238	160.00	0.95	0.55	0.50	0.13	116.00	26.80	13.00	0.77	99.80	4.89	5.55
A904239	200.00	1.31	0.13	0.93	0.12	41.40	20.80	41.00	0.65	23.00	4.32	11.30
A904240	160.00	1.18	0.48	1.01	0.27	27.00	30.10	42.00	2.33	86.50	3.59	3.62
A904241	460.00	1.30	0.07	0.90	0.08	42.20	21.50	33.00	0.72	13.40	3.82	12.85
A904242	190.00	0.82	0.25	0.64	0.12	72.60	20.40	26.00	4.74	50.50	4.23	8.58
A904243	200.00	1.02	0.26	0.43	0.22	72.50	18.20	21.00	4.50	28.10	2.94	5.84
A904244	210.00	1.32	0.25	0.50	0.11	75.40	17.60	43.00	5.15	38.10	4.13	10.05
A904245	270.00	1.04	0.17	0.61	0.11	84.60	18.40	30.00	4.35	47.70	3.34	7.46
A904246	300.00	0.98	0.19	0.47	0.11	75.60	21.70	33.00	4.94	45.20	3.89	9.17
A904247	460.00	0.85	0.22	0.68	0.26	59.70	17.60	26.00	4.95	44.20	3.63	6.31
A904248	90.00	0.33	0.18	0.37	0.06	61.80	7.30	13.00	1.48	78.20	2.44	3.35
A904249	280.00	0.84	0.14	0.85	0.12	69.30	18.30	21.00	2.01	63.10	4.41	9.44
A904250	220.00	1.28	0.22	1.13	0.12	66.50	16.20	25.00	2.24	53.10	4.70	10.80
A904251	210.00	0.87	0.29	0.76	0.19	54.60	21.20	29.00	1.88	41.60	3.54	6.70
A904252	130.00	0.71	0.22	0.67	0.12	52.20	19.60	40.00	1.40	71.90	4.24	9.15
A904253	590.00	1.04	0.31	0.69	0.29	50.20	37.60	41.00	1.15	67.60	4.99	11.15
A904254	140.00	0.80	0.24	0.47	0.18	55.60	19.20	39.00	1.11	43.80	3.74	7.64
A904255	160.00	0.88	0.21	0.62	0.15	55.00	16.90	37.00	0.74	54.50	3.99	8.83
A904256	230.00	1.06	0.18	0.94	0.15	49.70	20.00	32.00	0.49	72.10	4.59	12.55
A904257	170.00	1.15	0.28	0.81	0.33	101.00	27.00	21.00	0.47	82.10	4.17	7.24
A904258	280.00	0.66	0.21	0.99	0.10	32.80	27.40	94.00	1.84	82.10	5.06	10.30
A904259	230.00	0.82	0.29	1.07	0.12	80.20	27.60	50.00	2.73	175.50	4.56	11.35
A904260	-10.00	-0.05	0.01	0.01	-0.01	1.50	0.40	5.00	-0.05	4.60	0.33	0.11
A904261	220.00	1.33	0.28	0.77	0.14	72.70	20.90	35.00	3.35	59.20	3.93	13.15
A904262	120.00	0.97	0.28	0.86	0.12	64.80	22.80	29.00	2.05	73.10	4.45	12.80
A904263	190.00	1.03	0.40	0.75	0.25	61.10	15.80	26.00	5.49	40.40	3.33	6.33
A904264	190.00	1.36	0.22	0.63	0.21	91.90	13.00	22.00	6.30	16.90	3.16	9.08

Sample_ID	Ba_ppm	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm
A904265	260.00	1.21	0.34	0.62	0.33	55.90	16.30	23.00	4.29	33.80	3.30	6.65
A904266	460.00	1.23	0.54	0.69	0.63	59.70	19.20	25.00	12.65	40.60	3.22	7.20
A904267	260.00	1.06	0.31	0.34	0.32	50.40	12.00	27.00	3.58	28.30	2.80	7.23
A904268	80.00	0.38	0.24	0.12	0.09	65.10	8.50	20.00	3.71	30.00	1.81	3.41
A904269	180.00	1.00	0.44	0.54	0.29	38.30	6.90	16.00	2.75	19.70	1.98	5.06
A904270	190.00	0.95	0.43	0.59	0.47	43.10	9.70	21.00	4.32	26.60	2.10	5.50
A904271	270.00	0.97	0.22	0.46	0.30	48.50	11.50	22.00	4.15	25.70	2.32	5.62
A904272	200.00	1.01	0.23	0.39	0.25	51.30	11.50	21.00	4.04	23.00	2.22	5.08
A904273	170.00	0.95	0.20	0.78	0.18	50.70	17.30	34.00	1.76	54.20	3.38	6.43
A904274	130.00	0.56	0.24	0.63	0.16	45.80	20.40	40.00	1.26	104.50	3.71	6.60
A904275	170.00	0.80	0.19	0.60	0.13	48.90	17.30	39.00	1.68	55.40	3.56	8.76
A904276	140.00	0.85	0.23	0.60	0.20	52.40	15.20	32.00	0.68	44.60	3.60	7.30
A904277	210.00	1.05	0.20	0.70	0.13	65.10	15.50	44.00	0.60	57.40	3.53	10.40
A904278	200.00	1.13	0.13	0.69	0.09	90.90	15.40	26.00	0.48	56.20	3.22	10.20
A904279	150.00	0.76	0.38	0.64	0.06	95.20	19.30	4.00	0.30	31.30	2.64	6.80
A904280	-10.00	-0.05	0.01	0.01	-0.01	1.53	0.40	5.00	-0.05	4.60	0.33	0.11
A904281	350.00	0.59	0.16	1.18	0.12	65.40	29.10	68.00	1.65	90.50	6.40	13.40
A904282	250.00	1.08	0.16	1.18	0.10	43.50	27.50	84.00	0.96	59.80	4.97	13.15
A904283	290.00	0.99	0.17	0.80	0.13	66.50	27.30	61.00	1.45	29.90	4.63	11.50
A904284	50.00	1.01	0.18	0.23	0.07	38.40	6.50	15.00	2.72	12.00	1.77	4.36
A904285	90.00	1.58	0.41	1.01	0.10	102.00	33.70	354.00	3.05	92.90	4.42	8.85
A904286	160.00	1.20	0.23	0.34	0.19	69.50	16.80	32.00	3.45	42.50	2.72	6.34
A904287	90.00	0.46	0.19	0.61	0.10	42.30	18.70	68.00	0.92	56.20	7.57	6.38
A904288	310.00	0.30	0.12	0.76	0.04	32.60	12.90	49.00	0.96	146.00	3.93	11.45
A904289	120.00	0.46	0.22	0.76	0.09	45.80	22.70	52.00	1.06	45.60	4.50	6.55
A904290	140.00	0.69	0.12	0.87	0.05	86.40	21.50	45.00	1.11	86.90	4.13	12.35
A904291	300.00	0.89	0.23	0.87	0.17	68.40	25.80	76.00	1.30	52.40	5.10	10.45
A904292	200.00	0.62	0.19	0.69	0.17	60.90	19.50	49.00	0.69	43.00	5.16	8.38
A904293	360.00	0.94	0.05	0.84	0.06	115.00	21.70	33.00	0.76	26.50	4.47	12.30
A904294	240.00	0.55	0.05	0.70	0.06	45.70	14.90	22.00	0.84	20.90	4.62	9.36
A904295	130.00	1.14	0.24	0.71	0.17	54.70	16.30	36.00	1.56	69.30	3.59	7.92
A904296	120.00	0.55	0.25	0.61	0.10	42.60	17.40	36.00	1.02	63.10	4.41	6.47
A904297	160.00	0.76	0.19	0.70	0.15	49.00	18.00	41.00	1.15	63.40	4.19	7.30

Sample_ID	Ba_ppm	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm
A904298	190.00	0.52	0.18	0.71	0.11	65.10	18.90	31.00	1.38	116.00	3.94	6.27
A904299	200.00	0.93	0.04	0.61	0.07	111.50	11.00	8.00	1.69	18.90	3.14	7.89
A904300	170.00	1.32	0.49	1.01	0.27	33.10	28.90	44.00	2.41	81.20	3.62	3.95
A904301	190.00	1.55	0.26	0.60	0.36	58.60	7.80	17.00	2.47	21.90	1.99	5.57
A904302	310.00	0.51	0.21	1.00	0.12	49.70	31.00	99.00	1.60	86.10	4.97	8.47
A904303	250.00	0.96	0.13	1.18	0.13	67.50	22.10	62.00	3.27	76.00	5.56	15.80
A904304	230.00	0.33	0.14	0.85	0.06	22.70	22.20	10.00	1.96	115.50	4.20	8.71
A904305	110.00	0.26	0.12	1.14	0.09	24.30	18.70	22.00	0.51	112.50	4.40	6.59
A904306	130.00	0.73	0.24	0.49	0.16	41.20	14.40	33.00	1.34	54.60	3.40	6.52
A904307	120.00	0.51	0.34	0.63	0.10	28.80	13.10	14.00	0.74	36.00	3.65	6.10
A904308	210.00	0.58	0.11	0.56	0.05	42.60	16.50	17.00	1.38	78.50	5.32	10.10
A904309	190.00	0.83	0.24	0.89	0.13	57.30	18.80	40.00	0.82	61.80	4.47	10.90
A904310	220.00	0.81	0.18	0.73	0.10	60.30	16.90	34.00	0.64	60.40	3.93	10.55
A904311	110.00	0.57	0.17	0.32	0.06	54.50	2.10	5.00	0.25	18.00	2.13	4.73
A904312	130.00	0.77	0.20	0.47	0.12	42.20	14.80	32.00	1.12	27.50	3.44	6.66
A904313	220.00	0.86	0.25	0.39	0.14	82.90	11.60	10.00	0.73	12.90	2.06	5.53
A904314	170.00	0.86	0.28	0.77	0.13	52.60	16.00	40.00	0.90	35.90	3.32	9.09
A904315	150.00	1.31	0.28	0.80	0.11	60.10	16.70	35.00	1.76	49.60	3.35	8.76
A904316	270.00	1.46	0.13	0.81	0.04	35.80	22.70	69.00	5.25	30.20	4.23	13.85
A904317	440.00	0.85	0.07	0.93	0.07	59.50	24.80	60.00	2.65	17.20	4.60	9.96
A904318	170.00	1.13	0.13	0.71	0.10	90.40	16.80	37.00	0.84	20.40	3.24	9.03
A904319	250.00	1.03	0.30	1.01	0.09	94.10	30.40	41.00	1.15	56.10	4.79	12.95
A904320	-10.00	-0.05	0.01	0.01	-0.01	1.50	0.40	5.00	-0.05	4.20	0.33	0.10
A904321	210.00	1.15	0.10	0.99	0.09	45.40	20.90	34.00	1.15	14.60	4.49	11.65
A904322	210.00	1.23	0.22	1.08	0.13	57.30	15.70	25.00	2.29	39.30	4.53	9.92
A904323	190.00	0.84	0.04	0.60	0.08	119.50	11.00	8.00	1.59	20.40	3.17	7.45
A904324	380.00	0.98	0.23	1.05	0.08	68.20	29.80	95.00	1.80	59.30	5.08	11.55

Sample_ID	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm
A904001	0.23	0.06	0.04	0.019	1.22	49.5	31.8	2.6	600	0.39	0.01	0.08
A904002	0.34	0.19	0.09	0.068	0.52	47.6	45.8	4.67	1140	0.93	0.01	0.11
A904003	0.17	0.13	0.19	0.032	0.38	33.7	23.9	1.26	537	0.8	0.02	0.44
A904004	0.19	0.04	0.23	0.038	0.73	46	14.8	0.98	700	0.5	0.01	0.13
A904005	0.22	0.07	0.06	0.021	1.09	37.7	21.1	1.81	512	0.3	0.02	0.16
A904006	0.34	0.07	0.05	0.039	1.41	77.7	22.4	2.73	800	0.58	0.02	0.07
A904007	0.21	0.1	0.12	0.03	1.17	46.4	25.8	1.44	788	0.65	0.01	0.31
A904008	0.17	0.04	0.06	0.014	1.45	24.4	23.6	1.94	482	0.33	0.02	0.24
A904009	0.17	0.07	0.05	0.019	1.51	23.8	26.6	2.2	687	0.43	0.02	0.34
A904010	0.24	0.08	0.23	0.023	1.73	30.8	31.2	2.87	714	0.62	0.02	0.18
A904011	0.31	0.05	1.27	0.037	1.31	68.8	23.5	1.78	486	0.92	0.02	0.08
A904012	0.21	0.07	0.06	0.015	0.48	57.2	21.7	1.93	518	0.37	0.02	0.16
A904013	0.22	0.05	0.12	0.038	0.51	53.8	16.2	0.8	563	1.91	0.01	0.24
A904014	0.22	0.06	0.56	0.027	0.56	45.8	22.8	1.76	436	0.56	0.02	0.11
A904015	0.2	0.09	1.92	0.038	0.6	41.3	14.7	0.63	287	2.15	0.01	0.23
A904016	0.17	0.06	0.07	0.02	0.97	26.5	23.3	1.43	480	0.63	0.02	0.37
A904017	0.13	0.04	0.04	0.014	0.2	22.7	16.8	1.62	361	0.31	0.01	0.06
A904018	0.18	0.05	0.03	0.014	1.37	28.3	26.4	2.16	598	0.43	0.02	0.27
A904019	0.18	0.13	0.07	0.021	0.58	38.9	24.2	1.99	425	0.52	0.02	0.22
A904020	0.1	0.18	0.18	0.029	0.24	14.8	19.1	0.56	456	0.62	0.08	-0.05
A904021	0.13	0.07	0.05	0.022	0.91	20.7	22.9	1.08	484	0.54	0.01	0.91
A904022	0.19	0.06	0.05	0.014	1.25	26.4	18.2	2.18	520	0.25	0.02	0.12
A904023	0.24	0.08	0.32	0.026	0.65	52.8	24.2	1.97	558	0.53	0.01	0.29
A904024	0.21	0.09	0.36	0.03	0.76	44.5	21.4	1.59	741	0.67	0.02	0.33
A904025	0.21	0.08	0.1	0.024	1.38	53	18.3	1.64	557	0.61	0.01	0.49
A904026	0.27	0.07	0.08	0.029	1.15	80.2	16	1.32	498	0.69	0.01	0.31
A904027	0.28	0.06	0.19	0.024	1.8	68.9	21.9	2.27	641	0.97	0.01	0.24
A904028	0.26	0.12	0.14	0.023	0.52	62	15.7	0.7	771	1.33	0.03	0.44
A904029	0.23	0.03	0.27	0.03	0.63	47.5	20.2	2.06	396	0.27	0.01	0.1
A904030	0.19	0.05	0.34	0.016	0.25	33	25.9	2.2	583	0.36	0.02	0.09
A904031	0.18	0.04	0.05	0.02	1.52	33.7	23.6	1.85	504	0.38	0.02	0.38
A904032	0.18	0.04	0.06	0.009	1.61	26.3	25.8	2.29	549	0.31	0.02	0.4
A904033	0.17	0.04	0.29	0.015	1.05	24.1	22.9	1.93	566	0.32	0.02	0.21

Sample_ID	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm
A904034	0.16	0.06	0.1	0.015	1.41	21.4	20.9	1.87	514	0.34	0.02	0.31
A904035	0.23	0.09	0.3	0.03	0.69	57.1	13.5	1	458	0.63	0.01	0.13
A904036	0.24	0.05	0.07	0.013	0.81	45	25	2.39	532	0.38	0.02	0.2
A904037	0.12	0.04	1.04	0.022	1.29	50.6	13.8	1.55	507	0.41	0.01	0.39
A904038	0.09	0.05	0.7	0.022	0.78	38.4	12.3	1.13	576	0.91	0.01	0.67
A904039	0.08	0.05	1.08	0.031	0.21	57.3	10	1.02	490	0.95	0.01	0.14
A904040	-0.05	0.02	-0.01	-0.005	-0.01	0.6	0.2	-0.01	27	0.49	0.01	0.08
A904041	0.11	0.08	0.07	0.025	0.4	61.4	14.1	1.18	616	0.61	0.02	0.29
A904042	0.1	0.08	0.07	0.027	0.43	56.3	18	1.68	604	0.65	0.01	0.24
A904043	0.09	0.05	0.19	0.021	1.13	43.9	18.2	1.68	562	0.43	0.01	0.35
A904044	0.08	0.04	0.08	0.011	0.69	30.4	19	2.52	572	0.34	0.01	0.2
A904045	0.08	0.05	0.31	0.02	0.85	37.1	19.3	1.87	696	0.46	0.02	0.26
A904046	0.07	0.03	0.17	0.011	0.33	19	20.9	2.49	526	0.28	0.01	0.1
A904047	0.09	0.03	0.08	0.021	1.3	27.9	19.9	2	648	0.45	0.01	0.23
A904048	0.08	0.04	0.04	0.016	1.23	30.1	16.8	1.66	533	0.44	0.02	0.43
A904049	0.07	0.05	0.04	0.018	1.18	30	16.9	1.67	552	0.42	0.02	0.56
A904050	0.08	0.04	0.03	0.013	0.55	35.3	19.4	2.05	429	0.32	0.02	0.26
A904051	0.08	0.04	0.03	0.013	1.22	25.5	17.7	1.88	383	0.28	0.02	0.16
A904052	0.07	0.06	0.03	0.017	0.91	26.6	15.8	1.3	524	0.4	0.01	0.55
A904053	0.07	0.05	0.04	0.03	1.04	30	12.4	1.47	344	0.72	0.01	0.05
A904054	0.14	0.04	0.04	0.022	0.62	60.6	20	2.19	593	0.31	0.02	0.06
A904055	0.13	0.04	0.06	0.024	0.94	44.7	22	2.86	597	0.25	0.02	0.06
A904056	0.08	0.05	0.14	0.022	0.59	35.2	14.6	1.09	546	0.51	0.01	0.3
A904057	0.08	0.05	0.3	0.02	0.47	33.3	14.5	1.07	533	0.52	0.01	0.39
A904058	0.09	0.05	0.04	0.019	0.59	43.9	16.4	1.24	502	0.5	0.01	0.3
A904059	0.08	0.05	0.05	0.021	0.78	40.4	15.4	1.26	543	0.47	0.01	0.37
A904060	-0.05	0.11	0.18	0.028	0.25	15.6	14.3	0.58	470	0.47	0.08	-0.05
A904061	0.13	0.04	0.07	0.014	1.26	61.2	20.6	2.5	628	0.27	0.02	0.15
A904062	0.1	0.06	0.03	0.023	0.71	54	16.9	1.45	402	0.43	0.01	0.29
A904063	0.09	0.06	0.04	0.019	0.85	36.7	17.9	1.44	486	0.53	0.01	0.42
A904064	0.1	0.03	0.07	0.012	1.99	25.3	26.4	2.75	626	0.33	0.01	0.29
A904065	0.14	0.05	0.09	0.019	0.81	53.5	23.6	2.23	781	0.46	0.02	0.08
A904066	0.12	0.05	0.03	0.017	0.83	59.7	19.3	2	464	0.47	0.02	0.09

Sample_ID	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm
A904067	0.07	0.04	0.04	0.019	0.82	23.7	14.7	1.3	654	0.44	0.01	0.44
A904068	0.09	0.05	0.26	0.021	0.76	32.1	16.4	1.03	388	0.49	0.01	0.54
A904069	0.07	0.06	0.13	0.016	0.89	21.9	17.4	1.15	304	0.36	0.01	0.58
A904070	0.11	0.06	0.19	0.017	0.48	52.1	23.3	2.15	480	0.4	0.01	0.14
A904071	0.12	0.1	0.05	0.026	0.75	66.9	18.5	1.39	400	0.49	0.01	0.22
A904072	0.09	0.06	0.3	0.02	0.56	40.4	18	1.32	377	0.54	0.01	0.4
A904073	0.23	0.1	0.13	0.034	0.74	56.7	41.8	2.37	855	0.74	-0.01	0.14
A904074	0.19	0.06	0.03	0.015	1.06	56.7	33.7	2.13	494	0.51	-0.01	0.16
A904075	0.14	0.06	0.03	0.013	0.4	28.3	28.6	2.09	394	0.68	0.01	0.14
A904076	0.14	0.08	0.03	0.019	0.83	38.2	30.1	1.8	522	0.6	0.01	0.34
A904077	0.17	0.08	0.05	0.019	0.69	47.9	26.7	1.46	444	0.56	-0.01	0.35
A904078	0.19	0.09	0.05	0.022	0.09	69	26.1	1.44	254	0.63	0.01	0.06
A904079	0.17	0.06	0.05	0.014	0.12	57.5	32.9	1.96	402	0.48	-0.01	0.34
A904080	-0.05	0.02	-0.01	-0.005	-0.01	0.8	0.4	-0.01	25	0.62	-0.01	0.1
A904081	0.22	0.13	0.09	0.031	0.38	79.3	22	1.19	462	0.9	-0.01	0.16
A904082	0.16	0.1	0.07	0.03	0.58	46	23.1	1.34	725	0.86	0.01	0.67
A904083	0.15	0.09	0.04	0.023	0.69	40.6	28.1	1.42	668	0.73	-0.01	0.51
A904084	0.15	0.1	0.09	0.022	0.47	35	37.3	2.43	644	0.64	0.01	0.16
A904085	0.13	0.14	0.04	0.029	0.46	25.2	25.1	1.34	426	0.52	0.01	0.31
A904086	0.14	0.13	0.04	0.031	0.42	35.9	19.6	1.05	399	0.57	-0.01	0.38
A904087	0.14	0.07	0.04	0.02	0.89	29.7	23.9	1.64	600	0.58	0.01	0.28
A904088	0.17	0.03	0.05	0.01	2.04	38	29.7	2.7	517	0.31	0.01	0.26
A904089	0.17	0.11	0.08	0.02	0.33	47.5	29.9	1.66	511	0.47	0.01	0.24
A904090	0.13	0.05	0.03	0.018	0.9	28.2	20.9	1.23	314	0.44	-0.01	0.41
A904091	0.14	0.05	0.04	0.021	0.62	31.7	17.6	0.95	426	0.55	-0.01	0.49
A904092	0.19	0.08	0.04	0.017	0.57	51.5	26.1	1.64	435	0.73	-0.01	0.17
A904093	0.21	0.14	0.06	0.034	0.38	61.5	23.4	1.44	474	0.97	-0.01	0.16
A904094	0.16	0.09	0.06	0.025	0.28	44.4	23.9	1.61	647	0.67	-0.01	0.34
A904095	0.18	0.06	0.03	0.011	0.16	55.8	27.4	2.02	404	0.52	-0.01	0.25
A904096	0.17	0.07	0.03	0.016	0.11	49.6	21.3	1.5	390	0.58	-0.01	0.24
A904097	0.17	0.09	0.04	0.026	0.52	41.4	21.7	1.51	572	0.65	-0.01	0.41
A904098	0.15	0.1	0.04	0.018	0.42	35.6	26.7	1.59	565	0.58	-0.01	0.57
A904099	0.18	0.09	0.04	0.032	0.26	64.8	16.1	0.84	326	0.81	-0.01	0.1

Sample_ID	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm
A904100	0.08	0.15	0.17	0.03	0.23	14.6	19.8	0.55	442	0.53	0.07	-0.05
A904101	0.16	0.12	0.05	0.027	0.16	48.9	14.3	0.81	448	0.62	-0.01	0.21
A904102	0.16	0.16	0.04	0.033	0.3	32	18.8	1.38	505	0.59	-0.01	0.27
A904103	0.17	0.08	0.06	0.016	0.33	52.7	30.9	2.12	504	0.38	-0.01	0.52
A904104	0.15	0.06	0.03	0.014	1.2	31.2	25.5	1.55	457	0.34	0.01	0.56
A904105	0.2	0.19	1.43	0.035	0.4	68.7	17.3	0.91	216	0.67	-0.01	0.25
A904106	0.26	0.06	2.01	0.021	0.93	69.3	28.6	1.83	455	0.59	-0.01	0.16
A904107	0.14	0.07	0.04	0.018	1.05	35.7	24.9	1.57	470	0.41	0.01	0.32
A904108	0.14	0.05	0.05	0.019	1.13	37.6	23.8	1.5	562	0.42	0.01	0.78
A904109	0.12	0.05	0.05	0.012	0.31	42.8	24.3	1.42	458	0.32	0.01	0.55
A904110	0.13	0.09	0.05	0.018	0.68	38.8	20.9	1.36	719	0.53	0.01	0.43
A904111	0.15	0.08	0.04	0.016	0.96	34.4	28.1	1.8	523	0.48	0.01	0.66
A904112	0.2	0.09	0.18	0.026	0.53	57.6	20.8	1.36	586	0.77	0.01	0.55
A904113	0.15	0.1	0.12	0.041	0.62	34.4	18.1	1.13	758	1.52	0.01	0.56
A904114	0.2	0.08	0.04	0.021	0.31	49.3	29.4	1.99	524	0.64	0.01	0.31
A904115	0.16	0.1	0.03	0.023	0.46	28.5	38.8	2.69	429	0.64	0.01	0.21
A904116	0.16	0.08	0.06	0.023	0.62	38.4	22.9	1.4	520	0.62	0.01	0.51
A904117	0.13	0.06	0.05	0.026	0.4	32	17.3	0.9	338	0.65	-0.01	0.37
A904118	0.27	0.08	0.07	0.05	0.2	92.1	7.4	0.36	445	1.34	-0.01	0.06
A904119	0.15	0.08	0.16	0.015	0.47	29.2	26.6	1.91	388	0.54	0.02	0.25
A904120	-0.05	0.02	-0.01	-0.005	-0.01	0.8	0.4	-0.01	26	0.61	-0.01	0.1
A904121	0.21	0.08	0.09	0.022	0.5	50.7	25.7	1.77	487	0.69	-0.01	0.44
A904122	0.14	0.13	0.06	0.023	0.47	36.2	24.3	1.14	577	0.62	0.01	0.56
A904123	0.15	0.1	0.96	0.023	0.63	23.3	23	1.36	584	0.67	0.01	0.53
A904124	0.19	0.06	0.06	0.011	0.62	43.6	44	3.23	558	0.29	0.01	0.33
A904125	0.2	0.08	0.06	0.019	0.7	57.6	27.2	2.01	562	0.45	0.01	0.17
A904126	0.13	0.07	0.05	0.02	0.92	27.7	22.8	1.29	610	0.49	0.01	0.54
A904127	0.15	0.07	0.04	0.02	0.87	36.7	20.9	1.38	549	0.56	0.01	0.45
A904128	0.23	0.11	0.06	0.03	0.53	57.7	20.4	1.39	608	0.84	-0.01	0.34
A904129	0.28	0.14	0.06	0.045	0.22	81.9	22.8	1.56	628	0.97	-0.01	0.19
A904130	0.22	0.05	0.07	0.022	0.28	46.4	15.1	1.3	351	0.96	0.01	0.17
A904131	0.18	0.06	0.04	0.011	0.32	41	30.5	2.51	530	0.44	-0.01	0.5
A904132	0.17	0.08	0.06	0.017	0.46	47.8	26.5	1.79	542	0.67	0.01	0.54

Sample_ID	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm
A904133	0.17	0.09	0.04	0.024	0.48	46.8	24.8	1.56	563	0.72	0.01	0.54
A904134	0.18	0.1	0.03	0.024	0.33	51.2	25.8	1.58	455	0.83	0.01	0.35
A904135	0.21	0.12	0.04	0.026	0.7	56.1	24.8	1.62	533	0.75	-0.01	0.35
A904136	0.26	0.05	0.05	0.026	0.36	80.9	9.1	0.76	1400	1.57	-0.01	0.07
A904137	0.14	0.07	0.02	0.014	0.31	16.5	53	2.77	614	0.23	0.01	0.19
A904138	0.11	0.09	0.04	0.018	0.12	18	25.4	1.18	364	0.29	0.01	0.24
A904139	0.14	0.07	0.04	0.012	0.14	15.5	22	1.54	436	0.35	0.04	0.65
A904140	-0.05	0.02	-0.01	-0.005	-0.01	0.7	0.3	-0.01	27	0.63	-0.01	0.1
A904141	0.14	0.06	0.14	0.03	0.81	57.20	24.20	1.53	536.00	0.55	0.03	0.40
A904142	0.12	0.05	0.27	0.03	1.05	42.30	23.40	1.43	507.00	0.60	0.03	0.51
A904143	0.10	0.05	0.04	0.01	0.32	48.60	26.60	2.08	439.00	0.28	0.03	0.12
A904144	0.09	0.04	0.03	0.02	0.96	32.30	22.20	1.33	452.00	1.05	0.03	0.46
A904145	0.10	0.05	0.04	0.02	0.99	40.70	23.40	1.43	559.00	0.39	0.03	0.49
A904146	0.09	0.04	0.04	0.01	1.31	36.30	26.90	1.67	463.00	0.32	0.03	0.49
A904147	0.07	0.07	0.05	0.02	0.49	39.50	27.30	2.14	504.00	0.45	0.02	0.47
A904148	0.08	0.06	0.04	0.02	0.90	36.30	23.80	1.67	504.00	0.43	0.01	0.51
A904149	0.09	0.06	0.08	0.02	0.22	56.70	26.40	1.80	486.00	0.39	0.01	0.27
A904150	0.11	0.07	0.05	0.02	0.10	69.20	22.70	2.08	530.00	0.52	0.01	0.12
A904151	0.08	0.06	0.05	0.02	0.52	49.40	20.00	1.57	521.00	0.45	0.01	0.57
A904152	0.15	0.09	0.09	0.03	0.58	72.90	28.30	2.27	376.00	0.51	0.01	0.07
A904153	0.13	0.07	0.42	0.05	0.74	44.90	25.30	2.63	1160.00	1.04	-0.01	0.11
A904154	0.07	0.06	0.08	0.02	0.69	29.30	17.30	1.23	418.00	0.59	-0.01	0.56
A904155	0.09	0.12	0.04	0.03	0.81	42.30	24.10	1.56	435.00	0.51	-0.01	0.31
A904156	0.07	0.06	0.08	0.03	0.62	27.00	18.30	1.00	796.00	0.66	0.01	0.91
A904157	0.10	0.04	0.04	0.02	0.88	30.30	27.20	2.43	588.00	0.48	0.01	0.17
A904158	0.08	0.05	0.10	0.02	0.58	52.10	23.40	1.55	344.00	0.49	0.01	0.44
A904159	0.07	0.05	0.04	0.01	1.60	24.00	31.80	2.44	383.00	0.40	0.01	0.44
A904160	-0.05	0.19	0.17	0.03	0.25	15.40	19.70	0.58	456.00	0.56	0.08	-0.05
A904161	0.09	0.06	0.15	0.02	0.50	43.90	20.20	1.95	384.00	0.56	0.01	0.26
A904162	0.07	0.07	0.05	0.03	0.70	37.30	24.10	1.51	524.00	0.46	0.01	0.51
A904163	0.07	0.08	1.25	0.04	0.23	35.60	16.70	1.15	397.00	0.72	0.02	0.36
A904164	0.08	0.05	0.05	0.02	0.79	40.40	22.50	1.55	629.00	0.58	0.01	0.51
A904165	0.08	0.06	0.04	0.02	1.23	26.40	23.20	1.65	422.00	0.47	0.01	0.77

Sample_ID	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm
A904166	0.10	0.07	0.10	0.03	0.96	50.20	21.50	1.43	559.00	0.67	0.01	0.49
A904167	0.09	0.07	0.09	0.03	0.52	50.20	19.30	1.33	621.00	0.64	0.01	0.52
A904168	0.10	0.08	0.58	0.03	0.77	53.40	18.80	1.22	539.00	0.73	-0.01	0.57
A904169	0.10	0.06	1.09	0.03	0.69	46.20	15.50	1.28	592.00	0.82	0.01	0.39
A904170	0.07	0.05	2.54	0.04	0.29	41.50	13.70	0.47	604.00	1.19	-0.01	0.30
A904171	0.07	0.07	0.72	0.03	0.49	28.70	16.80	0.68	834.00	0.87	0.01	0.60
A904172	0.09	0.08	1.04	0.02	0.25	42.40	23.50	1.27	337.00	0.42	-0.01	0.26
A904173	0.12	0.07	0.10	0.03	0.48	56.50	24.40	1.86	494.00	0.60	0.01	0.16
A904174	0.14	0.11	0.20	0.02	0.18	71.20	22.40	1.61	277.00	0.71	-0.01	0.11
A904175	0.11	0.09	0.13	0.02	0.64	43.20	23.10	1.89	494.00	0.46	0.03	0.59
A904176	0.10	0.06	0.59	0.01	0.17	52.60	24.40	2.32	379.00	0.32	0.01	0.20
A904177	0.07	0.06	0.27	0.02	0.39	30.40	21.40	2.01	353.00	0.36	0.01	0.41
A904178	0.06	0.06	0.05	0.02	1.00	21.30	25.40	1.63	549.00	0.47	0.01	0.65
A904179	0.06	0.05	0.05	0.02	0.50	31.60	21.60	1.31	459.00	0.46	0.01	0.51
A904180	-0.05	0.02	-0.01	-0.01	-0.01	0.70	0.30	-0.01	26.00	0.61	-0.01	0.10
A904181	0.07	0.03	0.03	0.01	0.33	34.80	26.80	2.70	466.00	0.28	0.01	0.26
A904182	0.06	0.05	0.03	0.02	1.11	25.70	30.00	1.73	427.00	0.35	0.01	0.48
A904183	0.10	0.12	0.07	0.03	0.24	31.90	30.30	1.49	512.00	0.25	0.01	0.19
A904184	0.11	0.07	0.08	0.03	0.71	32.90	23.50	1.23	671.00	0.54	0.01	0.61
A904185	0.12	0.07	0.21	0.02	0.50	40.60	24.00	1.66	660.00	0.43	0.01	0.21
A904186	0.16	0.09	0.21	0.03	0.98	60.20	25.20	1.39	588.00	0.50	0.01	0.30
A904187	0.15	0.05	1.11	0.03	0.56	43.40	22.90	1.76	642.00	0.60	0.01	0.19
A904188	0.10	0.03	1.10	0.04	0.28	36.20	24.20	0.96	278.00	0.95	-0.01	0.40
A904189	0.12	0.04	1.29	0.03	0.87	34.20	22.40	1.20	520.00	0.51	0.01	0.50
A904190	0.12	0.06	20.90	0.03	0.47	46.50	15.30	0.71	424.00	0.58	-0.01	0.20
A904191	0.20	0.05	3.23	0.02	0.49	78.50	26.50	1.99	435.00	0.49	0.01	0.06
A904192	0.13	0.10	1.47	0.03	0.38	50.50	18.70	1.07	349.00	0.65	-0.01	0.14
A904193	0.14	0.12	1.10	0.05	0.30	45.20	17.60	0.97	629.00	1.10	0.01	0.27
A904194	0.13	0.17	0.53	0.04	0.32	39.70	22.20	1.05	464.00	0.73	-0.01	0.47
A904195	0.15	0.07	0.40	0.02	1.07	38.00	30.00	1.68	629.00	0.78	-0.01	0.53
A904196	0.21	0.10	1.10	0.04	0.45	60.10	33.60	1.94	602.00	0.72	0.01	0.23
A904197	0.18	0.11	0.23	0.02	0.27	46.60	26.10	1.31	410.00	0.55	0.01	0.26
A904198	0.11	0.08	0.10	0.02	0.72	24.50	21.40	1.22	292.00	0.43	-0.01	0.74

Sample_ID	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm
A904199	0.10	0.05	0.15	0.02	0.10	28.90	31.50	1.31	467.00	0.32	0.02	0.15
A904200	0.06	0.20	0.18	0.03	0.22	13.20	21.20	0.56	446.00	0.54	0.07	-0.05
A904201	0.10	0.08	0.35	0.02	0.42	38.40	20.80	1.03	499.00	0.54	0.01	0.58
A904202	0.13	0.07	0.90	0.04	0.70	43.50	21.50	1.07	702.00	1.02	0.01	0.52
A904203	0.11	0.07	0.76	0.03	0.57	39.30	18.70	1.01	449.00	0.69	0.01	0.44
A904204	0.14	0.05	2.06	0.03	0.15	52.70	12.40	0.91	494.00	0.75	0.01	0.16
A904205	0.13	0.09	2.27	0.03	0.24	58.30	10.60	0.47	480.00	0.59	0.01	0.21
A904206	0.13	0.05	1.51	0.03	0.66	42.60	16.30	1.00	612.00	0.69	0.01	0.48
A904207	0.17	0.12	0.66	0.05	0.14	45.30	18.00	0.68	679.00	0.62	0.15	0.20
A904208	0.10	0.08	0.34	0.03	0.28	26.80	13.80	0.33	1380.00	1.82	0.01	0.39
A904209	0.13	0.14	0.88	0.02	0.10	44.50	17.60	1.07	589.00	0.48	0.01	0.14
A904210	0.09	0.11	1.19	0.04	0.11	19.20	19.90	1.89	710.00	0.93	0.03	0.14
A904211	0.12	0.09	0.21	0.03	0.29	36.10	16.50	0.55	869.00	0.87	0.01	0.43
A904212	0.11	0.17	0.18	0.04	0.39	35.10	26.90	0.72	882.00	0.65	0.01	0.34
A904213	0.11	0.04	3.30	0.03	0.72	17.20	16.10	2.18	1460.00	0.94	0.02	-0.05
A904214	0.13	0.08	0.53	0.03	0.59	36.10	19.20	1.15	552.00	0.61	0.01	0.33
A904215	0.22	0.05	0.04	0.03	0.89	62.40	27.10	2.50	689.00	0.57	0.01	0.08
A904216	0.13	0.11	0.04	0.04	0.20	68.60	20.90	1.58	499.00	0.91	0.01	0.12
A904217	0.14	0.09	0.05	0.03	0.20	50.00	19.40	1.05	391.00	0.75	-0.01	0.34
A904218	0.10	0.08	0.03	0.03	0.24	20.10	28.80	1.72	547.00	0.69	0.01	0.38
A904219	0.14	0.12	0.08	0.05	0.31	48.20	19.00	0.89	558.00	0.66	-0.01	0.44
A904220	-0.05	0.02	-0.01	-0.01	-0.01	0.60	0.30	-0.01	26.00	0.60	-0.01	0.08
A904221	0.19	0.05	0.05	0.04	0.23	76.70	13.20	0.71	320.00	0.80	-0.01	0.32
A904222	0.13	0.12	0.07	0.07	0.32	45.90	18.80	0.83	736.00	1.14	0.01	0.42
A904223	0.11	0.05	0.05	0.04	0.08	24.40	25.90	1.07	278.00	0.47	0.01	0.17
A904224	0.10	0.06	0.81	0.03	0.07	19.50	19.00	0.75	476.00	0.75	0.02	-0.05
A904225	0.16	0.05	0.45	0.03	0.42	48.50	13.50	1.03	528.00	0.65	0.01	0.38
A904226	0.14	0.04	1.11	0.04	0.69	44.80	17.70	1.13	628.00	0.69	0.02	0.46
A904227	0.11	0.03	3.15	0.03	0.42	35.00	14.60	0.56	702.00	0.71	-0.01	0.55
A904228	0.10	0.07	4.90	0.03	0.31	38.80	12.60	0.42	297.00	1.04	-0.01	0.32
A904229	0.11	0.13	4.38	0.05	0.20	32.70	10.40	0.44	564.00	1.47	-0.01	0.51
A904230	0.12	0.15	1.93	0.05	0.21	33.40	21.90	0.76	697.00	0.84	0.01	0.19
A904231	0.10	0.09	0.47	0.02	0.27	20.80	34.80	2.11	893.00	0.71	0.02	0.07

Sample_ID	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm
A904232	0.15	0.13	0.45	0.03	0.73	50.60	26.30	1.32	879.00	0.82	0.01	0.34
A904233	0.12	0.10	1.01	0.03	0.36	32.70	18.10	0.90	588.00	0.93	0.01	0.21
A904234	0.10	0.03	0.21	0.02	0.24	19.40	9.80	0.66	369.00	0.91	0.02	0.25
A904235	0.11	0.12	0.03	0.03	0.19	29.00	21.90	0.83	1370.00	0.93	0.01	0.13
A904236	0.13	0.11	0.03	0.03	0.17	38.10	15.00	0.89	429.00	0.99	-0.01	0.28
A904237	0.09	0.05	0.03	0.02	0.24	25.50	12.40	0.68	711.00	1.17	0.01	0.50
A904238	0.19	0.06	0.03	0.04	0.09	61.90	7.40	0.40	664.00	5.54	-0.01	0.06
A904239	0.09	0.07	0.04	0.02	0.08	26.60	16.60	1.00	517.00	0.31	0.01	0.16
A904240	0.07	0.23	0.18	0.03	0.22	12.90	19.90	0.56	449.00	0.55	0.07	-0.05
A904241	0.10	0.05	0.05	0.01	0.13	29.00	30.40	1.61	406.00	0.29	0.01	0.26
A904242	0.12	0.06	0.39	0.03	0.33	37.00	13.80	0.71	541.00	0.88	0.01	0.33
A904243	0.11	0.06	0.52	0.04	0.33	33.90	18.40	0.42	1120.00	0.82	-0.01	0.67
A904244	0.13	0.21	0.33	0.05	0.30	38.20	19.00	0.63	568.00	1.10	0.01	0.23
A904245	0.13	0.08	0.26	0.03	0.35	43.80	13.60	0.61	657.00	0.73	-0.01	0.38
A904246	0.13	0.10	0.30	0.04	0.39	37.20	18.10	0.58	469.00	1.03	-0.01	0.48
A904247	0.11	0.08	1.43	0.05	0.29	30.00	13.90	0.43	876.00	0.88	-0.01	0.39
A904248	0.09	0.06	2.04	0.09	0.13	31.60	5.10	0.17	154.00	1.04	-0.01	0.17
A904249	0.12	0.10	0.53	0.07	0.18	39.10	15.20	0.73	681.00	0.62	0.01	0.48
A904250	0.15	0.14	0.20	0.03	0.12	49.80	19.60	1.09	614.00	0.92	0.01	0.28
A904251	0.10	0.08	0.21	0.03	0.45	28.40	16.60	0.73	900.00	0.68	0.01	0.58
A904252	0.11	0.06	0.03	0.02	0.34	24.40	17.70	0.98	516.00	1.09	0.02	0.17
A904253	0.11	0.14	0.05	0.03	0.37	29.20	29.50	0.96	5550.00	6.89	-0.01	0.19
A904254	0.10	0.06	0.04	0.03	0.32	26.10	16.20	0.73	640.00	0.76	-0.01	0.38
A904255	0.11	0.08	0.04	0.03	0.19	27.20	13.10	0.70	492.00	0.70	0.01	0.25
A904256	0.11	0.08	0.03	0.03	0.12	28.70	16.20	0.94	568.00	0.58	0.01	0.13
A904257	0.16	0.14	0.05	0.06	0.07	51.90	9.10	0.44	837.00	4.71	-0.01	0.08
A904258	0.12	0.06	0.06	0.02	0.25	20.30	20.80	1.81	523.00	0.61	0.03	0.32
A904259	0.14	0.09	0.51	0.03	0.39	37.70	20.00	1.47	598.00	0.81	0.02	0.38
A904260	-0.05	0.02	-0.01	-0.01	-0.01	0.70	0.30	-0.01	26.00	0.61	-0.01	0.10
A904261	0.13	0.09	0.04	0.03	0.34	36.30	24.80	1.28	430.00	1.05	-0.01	0.27
A904262	0.15	0.07	0.06	0.03	0.11	39.10	19.40	1.08	525.00	0.66	0.01	0.14
A904263	0.11	0.08	0.13	0.05	0.23	30.60	22.10	0.52	1160.00	0.87	-0.01	0.89
A904264	0.14	0.13	0.28	0.04	0.19	47.90	17.60	0.46	696.00	0.61	-0.01	0.22

Sample_ID	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm
A904265	0.10	0.08	0.50	0.05	0.26	27.20	27.30	0.44	1950.00	1.05	-0.01	0.49
A904266	0.10	0.11	7.14	0.05	0.33	27.10	31.10	0.43	3780.00	1.69	-0.01	0.89
A904267	0.10	0.05	0.20	0.04	0.25	24.70	32.50	0.50	1420.00	0.87	-0.01	0.68
A904268	0.09	-0.02	0.91	0.03	0.09	31.10	12.30	0.17	267.00	1.15	-0.01	0.38
A904269	0.07	0.12	0.33	0.09	0.24	17.30	26.30	0.35	1000.00	0.95	-0.01	3.50
A904270	0.08	0.06	0.36	0.05	0.34	20.20	33.90	0.43	1620.00	0.73	-0.01	1.18
A904271	0.09	0.08	0.09	0.04	0.31	24.10	23.50	0.48	1640.00	0.74	-0.01	0.87
A904272	0.10	0.07	0.12	0.03	0.32	25.20	18.50	0.43	1300.00	0.79	-0.01	0.99
A904273	0.11	0.05	0.06	0.02	0.56	24.20	14.20	0.83	751.00	0.91	-0.01	0.58
A904274	0.12	0.04	0.03	0.02	0.39	20.30	13.30	0.94	492.00	0.90	0.01	0.23
A904275	0.11	0.08	0.04	0.03	0.26	24.20	20.10	0.89	624.00	0.88	0.01	0.12
A904276	0.10	0.09	0.04	0.02	0.24	25.50	13.00	0.64	498.00	0.67	-0.01	0.37
A904277	0.11	0.12	0.04	0.03	0.13	32.70	13.40	0.77	487.00	0.70	0.01	0.24
A904278	0.13	0.12	0.03	0.03	0.07	40.00	10.00	0.54	498.00	0.74	0.01	0.08
A904279	0.11	0.09	0.02	0.01	0.05	40.30	8.90	0.54	206.00	0.57	-0.01	-0.05
A904280	-0.05	0.02	-0.01	-0.01	-0.01	0.70	0.30	-0.01	27.00	0.61	-0.01	0.10
A904281	0.18	0.06	0.02	0.03	0.27	29.30	19.90	2.02	856.00	0.48	0.01	0.30
A904282	0.12	0.07	0.06	0.02	0.17	24.60	27.90	2.00	600.00	0.26	0.01	0.15
A904283	0.15	0.06	0.03	0.02	1.19	38.10	19.40	1.85	601.00	0.42	-0.01	0.34
A904284	0.07	0.04	0.13	0.03	0.18	19.30	15.50	0.27	232.00	0.83	-0.01	2.68
A904285	0.19	0.15	0.19	0.07	0.15	50.00	20.10	1.48	566.00	3.58	-0.01	0.29
A904286	0.12	0.08	0.07	0.03	0.31	35.20	17.40	0.49	1140.00	0.94	-0.01	0.88
A904287	0.14	0.04	0.02	0.02	0.24	19.80	9.50	0.58	354.00	1.08	0.01	0.18
A904288	0.12	0.03	0.04	0.04	0.32	14.80	17.30	1.78	432.00	0.61	0.01	0.19
A904289	0.12	0.03	0.03	0.02	0.31	20.30	12.10	0.88	431.00	0.69	0.01	0.25
A904290	0.19	0.04	0.04	0.02	0.08	61.00	19.70	1.34	388.00	17.05	0.01	0.07
A904291	0.09	0.05	0.06	0.03	0.93	35.80	19.80	1.73	783.00	1.22	0.04	0.40
A904292	0.08	0.04	0.03	0.02	0.53	28.80	13.50	1.14	659.00	0.43	0.02	0.35
A904293	0.12	0.04	0.03	0.03	0.38	59.70	19.00	1.56	601.00	0.32	0.02	0.20
A904294	0.07	0.04	0.02	0.02	0.33	24.50	13.90	1.08	365.00	0.24	0.03	0.31
A904295	0.06	0.12	0.07	0.03	0.48	27.30	20.70	0.76	548.00	1.00	0.01	0.58
A904296	0.06	0.04	0.02	0.02	0.30	20.20	11.80	0.70	496.00	1.24	0.02	0.20
A904297	0.07	0.04	0.02	0.02	0.42	22.70	13.80	0.93	564.00	0.94	0.02	0.32

Sample_ID	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm
A904298	0.09	0.04	0.02	0.02	0.52	27.50	11.10	0.81	630.00	3.55	0.02	0.43
A904299	0.09	0.05	0.02	0.02	0.26	47.00	12.50	0.67	458.00	0.37	0.02	0.63
A904300	-0.05	0.14	0.18	0.03	0.25	15.90	19.50	0.57	462.00	0.53	0.08	-0.05
A904301	0.06	0.09	0.07	0.04	0.37	25.50	27.90	0.47	1330.00	0.69	0.02	2.63
A904302	0.09	0.06	0.04	0.03	0.70	23.30	17.60	1.79	784.00	1.32	0.04	0.46
A904303	0.09	0.05	0.07	0.05	0.41	29.20	20.40	1.53	616.00	0.70	0.03	0.09
A904304	0.05	0.02	0.05	0.01	0.43	9.60	18.70	1.32	502.00	0.37	0.04	0.16
A904305	0.05	0.05	0.70	0.02	0.12	11.10	10.10	0.64	368.00	0.37	0.05	0.18
A904306	0.05	0.04	0.06	0.03	0.44	22.30	15.80	0.68	620.00	0.73	0.01	0.42
A904307	-0.05	0.07	0.03	0.02	0.17	13.50	11.40	0.56	455.00	0.56	0.02	0.28
A904308	0.08	0.06	0.02	0.03	0.82	20.30	9.20	1.17	508.00	1.47	0.02	0.20
A904309	0.08	0.05	0.04	0.03	0.62	27.40	19.40	1.28	734.00	1.02	0.02	0.35
A904310	0.07	0.05	0.03	0.03	0.21	30.60	17.80	1.06	433.00	0.91	0.02	0.29
A904311	-0.05	0.05	0.02	0.01	0.08	31.10	4.50	0.26	85.00	6.34	0.02	0.14
A904312	0.05	0.05	0.04	0.02	0.45	20.00	13.80	0.63	390.00	0.58	0.01	0.54
A904313	0.06	0.06	0.05	0.02	0.15	46.40	7.50	0.40	361.00	0.91	0.01	0.33
A904314	0.06	0.05	0.07	0.03	0.34	29.70	17.80	0.89	595.00	0.52	0.02	0.50
A904315	0.07	0.05	0.06	0.02	0.19	36.00	16.70	0.88	363.00	0.94	0.02	0.20
A904316	0.08	0.05	0.04	0.02	0.56	22.50	20.70	1.95	397.00	0.58	0.02	0.13
A904317	0.08	0.05	0.04	0.01	0.49	35.10	22.20	1.97	446.00	0.35	0.01	0.31
A904318	0.08	0.11	0.05	0.03	0.16	48.80	13.80	0.80	402.00	0.52	0.01	0.17
A904319	0.11	0.06	0.06	0.02	0.11	69.70	25.00	2.02	558.00	0.52	0.02	0.09
A904320	-0.05	0.02	-0.01	-0.01	-0.01	0.70	0.30	-0.01	27.00	0.59	0.01	0.09
A904321	0.06	0.04	0.14	0.02	0.10	27.50	25.60	1.34	487.00	0.30	0.03	0.11
A904322	0.08	0.13	0.18	0.03	0.12	44.70	16.70	1.01	579.00	0.92	0.03	0.29
A904323	0.09	0.05	0.02	0.02	0.25	50.50	11.10	0.61	459.00	0.45	0.02	0.70
A904324	0.08	0.08	0.99	0.03	0.11	36.40	20.60	1.57	595.00	0.51	0.02	0.12

Sample_ID	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm
A904001	83.3	2000	4.8	24.2	-0.001	0.01	0.4	7.3	0.5	0.6	95.6	0.01
A904002	325	6730	5.8	17.8	-0.001	0.01	0.19	29.9	0.7	0.5	142	0.01
A904003	51.9	620	12.9	27.5	-0.001	0.02	0.98	7.4	0.8	0.9	55.4	-0.01
A904004	59.2	1400	7.2	26.3	-0.001	0.02	1.94	13.2	0.5	0.7	43.6	-0.01
A904005	60	2060	4.8	33.3	-0.001	0.01	0.8	7.6	0.5	0.5	75.2	-0.01
A904006	226	2750	3.2	40	-0.001	0.02	0.19	16.1	0.5	0.6	114	-0.01
A904007	61.4	740	10.2	46	-0.001	0.02	1.74	9	0.6	0.7	52.6	-0.01
A904008	63.5	1780	5	45.1	-0.001	0.01	0.42	4.4	0.5	0.4	58.7	-0.01
A904009	66.7	1700	11.7	54.7	-0.001	0.02	0.2	4.2	0.5	0.6	120	-0.01
A904010	151.5	1540	5.4	54.5	-0.001	0.02	0.23	9.3	0.6	0.7	59	0.01
A904011	93.6	850	6.1	33.8	-0.001	0.01	4.34	13.3	0.6	0.7	45.7	-0.01
A904012	51.1	1130	6.2	15.9	-0.001	0.02	0.19	4.9	0.7	0.6	108	-0.01
A904013	60.1	750	8.9	20.2	-0.001	0.02	4.95	15.4	0.8	0.6	30.5	-0.01
A904014	61	940	8.4	19.2	-0.001	0.01	5.46	10.2	0.5	0.6	62.9	-0.01
A904015	58.7	460	10.4	23.9	-0.001	0.02	5.44	10.5	0.9	0.6	24.1	-0.01
A904016	61.9	1030	10.5	41.2	-0.001	0.02	0.44	5.2	0.5	0.6	56.8	-0.01
A904017	41.2	800	2	7.7	-0.001	0.01	0.13	5.8	0.3	0.4	72.6	-0.01
A904018	69.1	1690	6	48.2	-0.001	0.01	0.29	4.8	0.6	0.5	82.9	-0.01
A904019	62.2	780	8.5	27.4	-0.001	0.02	0.5	5.9	0.7	0.7	88.3	-0.01
A904020	74	390	32.6	15.1	-0.001	0.13	6.39	3	0.5	0.6	15.9	-0.01
A904021	40.7	810	11.7	48.6	-0.001	0.03	0.29	4.2	0.8	0.7	55.6	-0.01
A904022	74.3	2290	2.7	37.9	-0.001	0.01	0.12	5.3	0.4	0.4	54.1	-0.01
A904023	73	1050	8.8	25.3	-0.001	0.02	2.9	8.1	0.8	0.6	85.1	-0.01
A904024	101	1070	11.6	30.6	-0.001	0.03	1.42	9.5	0.8	0.8	70.1	-0.01
A904025	53.2	990	11.6	54.6	-0.001	0.02	2.17	5.6	0.7	0.7	50.8	-0.01
A904026	49.3	580	14.6	45.6	-0.001	0.02	2.71	6.9	0.7	0.7	51	-0.01
A904027	80.2	1590	8.8	47.1	-0.001	0.01	1.42	8	0.6	0.5	49.1	-0.01
A904028	52.5	770	12.5	25.7	-0.001	0.04	1.54	5.7	1.4	0.8	40.8	-0.01
A904029	70.6	1370	5.1	18.6	-0.001	0.01	2.78	12	0.5	0.7	59.9	-0.01
A904030	75.2	1570	17.1	12.8	-0.001	0.01	13.15	5.7	0.5	0.4	78.9	-0.01
A904031	63.9	1500	11.6	58.8	-0.001	0.02	0.34	5	0.7	0.6	72.3	-0.01
A904032	71.3	1670	7.3	51.8	-0.001	0.02	0.23	3.4	0.7	0.4	75.6	-0.01
A904033	70.3	1940	4.7	45.2	-0.001	0.01	0.75	5	0.4	0.4	67.6	-0.01

Sample_ID	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm
A904034	65.7	980	7	57	-0.001	0.02	0.66	4.5	0.6	0.5	57.8	-0.01
A904035	50.2	600	8.9	25.3	-0.001	0.01	1.48	10.8	0.7	0.6	44.8	-0.01
A904036	65.5	1240	6.9	39.3	-0.001	0.01	0.57	5.1	0.7	0.6	122	-0.01
A904037	34.1	1070	9.3	46.3	-0.001	0.02	9.66	5.7	0.3	0.6	57.1	-0.01
A904038	40.1	1610	11.6	26.7	-0.001	0.05	5.58	5	0.4	0.5	65.7	-0.01
A904039	42.5	1050	9.4	8.3	-0.001	0.02	4.89	8.3	0.4	0.6	40.2	-0.01
A904040	2.2	10	0.3	0.1	-0.001	0.01	-0.05	0.1	-0.2	0.4	0.2	-0.01
A904041	35.9	990	14.4	16.8	-0.001	0.03	3.47	6.4	0.4	0.6	75.5	-0.01
A904042	65.7	1110	11.1	21.7	-0.001	0.02	1.57	9.4	0.4	0.6	65.8	-0.01
A904043	59.2	1140	15.3	38.5	-0.001	0.03	2.37	5.7	0.4	0.6	50.3	-0.01
A904044	69	1520	6.1	26.3	-0.001	0.02	0.64	3.3	0.3	0.4	70.8	-0.01
A904045	61.3	1340	12.8	28	-0.001	0.02	1.5	5.4	0.3	0.5	70.9	-0.01
A904046	82.7	2070	4.7	13	-0.001	0.01	0.9	4.7	0.3	0.4	88.9	-0.01
A904047	59	1470	9.4	36.9	-0.001	0.02	2.88	5.4	0.3	0.5	39.4	-0.01
A904048	49	890	7.1	43.5	-0.001	0.02	0.52	4.3	0.2	0.5	58.3	-0.01
A904049	52.8	920	9.8	45.7	-0.001	0.02	0.51	4.6	0.4	0.6	63.6	-0.01
A904050	60.7	1030	5.7	20.9	-0.001	0.02	0.31	4.9	0.4	0.4	83.8	-0.01
A904051	61.1	940	10.2	32.3	-0.001	0.01	0.17	4.3	0.3	0.4	59.8	-0.01
A904052	44.6	780	17.4	42.6	-0.001	0.02	0.47	4.3	0.3	0.5	56.1	-0.01
A904053	53.1	1140	6.2	29.5	-0.001	0.01	0.38	10.6	0.2	0.6	49.9	-0.01
A904054	64.1	1910	4.6	17.8	-0.001	0.01	0.39	9.4	0.2	0.5	73	-0.01
A904055	127	1570	4.5	30.2	-0.001	0.01	0.29	11.4	0.2	0.6	64.4	-0.01
A904056	35.3	1110	12.8	27.2	-0.001	0.02	1.09	4.9	0.2	0.6	55.6	-0.01
A904057	39.9	1060	11.4	26.5	-0.001	0.02	1.9	5	0.3	0.5	64.1	-0.01
A904058	44.4	840	19.4	29.6	-0.001	0.02	0.57	4.6	0.4	0.6	67.4	-0.01
A904059	47	900	33.6	32.9	-0.001	0.02	0.67	5.3	0.3	0.6	58.5	-0.01
A904060	70.1	400	31.8	15.6	-0.001	0.13	5.63	2.9	0.5	0.6	15.5	-0.01
A904061	64.2	1410	5.8	46.9	-0.001	0.02	0.29	4.1	0.4	0.4	85.3	-0.01
A904062	47.3	940	8.6	26.3	-0.001	0.02	0.71	6.2	0.4	0.6	69.4	-0.01
A904063	47.1	960	10.1	33.9	-0.001	0.02	1.16	5.6	0.4	0.5	72.5	-0.01
A904064	84.4	2040	5.2	34.6	-0.001	0.02	0.72	4.1	0.3	0.4	65.5	-0.01
A904065	75	2120	6.4	23.6	-0.001	0.01	1.15	8.7	0.2	0.4	60.8	-0.01
A904066	49.9	1440	8.3	34.7	-0.001	0.01	0.25	7.2	0.3	0.6	80.8	-0.01

Sample_ID	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm
A904067	47.1	910	10.3	35.1	-0.001	0.02	0.29	4.2	0.3	0.5	54.1	-0.01
A904068	28	570	10.5	44	-0.001	0.02	5.1	4.7	0.3	0.6	55	-0.01
A904069	24.7	400	8.2	38	-0.001	0.02	0.83	3.2	0.3	0.5	53.2	-0.01
A904070	44.5	1360	4.7	14.1	-0.001	0.01	1.18	6.1	0.3	0.5	102	-0.01
A904071	32.5	880	8.9	26.2	-0.001	0.02	0.62	8	0.4	0.7	76.8	-0.01
A904072	28.2	970	8.2	24.9	-0.001	0.02	2.43	4.6	0.3	0.6	72.8	-0.01
A904073	83.7	1630	7.2	37.8	0.001	0.01	0.6	13.8	0.7	0.6	75.9	0.01
A904074	54	1560	5.7	36.7	-0.001	-0.01	0.29	4.2	0.3	0.5	65.9	-0.01
A904075	106.5	1590	3.7	18.2	-0.001	-0.01	0.24	5.1	0.4	0.4	69.2	-0.01
A904076	71.6	1070	7.9	36.3	-0.001	0.01	0.28	6.5	0.5	0.5	70.9	-0.01
A904077	43.7	1040	7.9	29	-0.001	0.01	0.33	5.4	0.6	0.6	80.9	-0.01
A904078	38.9	1120	5.4	5.3	-0.001	-0.01	0.52	5.8	0.5	0.5	86.1	-0.01
A904079	66.6	1000	7.8	6.2	-0.001	0.01	0.39	4.4	0.5	0.4	107.5	-0.01
A904080	2.7	10	0.3	0.1	-0.001	-0.01	-0.05	0.1	-0.2	0.4	0.4	-0.01
A904081	54.8	950	13.3	14.6	-0.001	-0.01	1.01	8.6	0.6	0.6	55.2	-0.01
A904082	62.1	1550	12.1	24.2	-0.001	0.03	1.47	7.5	0.7	0.6	87.7	-0.01
A904083	66.8	1010	8.1	32.3	-0.001	0.01	0.5	6.2	0.7	0.5	75.7	-0.01
A904084	88.6	1300	9.2	19.4	-0.001	0.01	0.33	7.2	0.8	0.5	99.9	-0.01
A904085	106	430	10.2	28.3	-0.001	0.01	0.45	9.3	0.5	0.6	72.1	-0.01
A904086	59.4	530	13.3	19.4	-0.001	0.01	0.92	9.8	0.7	0.7	76.9	-0.01
A904087	63.8	1030	25.1	43.5	-0.001	0.01	1.48	6.6	0.5	0.5	62	-0.01
A904088	81.7	1560	4.7	47.8	-0.001	0.01	0.23	3.2	0.6	0.3	87.4	-0.01
A904089	41.3	1070	20.7	17.1	-0.001	0.01	0.32	5.8	0.6	0.5	106	-0.01
A904090	35.8	550	9.4	33.7	-0.001	0.01	0.34	4.1	0.6	0.5	50.1	-0.01
A904091	31.5	560	13	37.5	-0.001	0.01	0.35	3.9	0.5	0.5	45.5	-0.01
A904092	52	1410	5.2	31	-0.001	0.01	0.38	5.6	0.6	0.5	82.7	-0.01
A904093	66.6	950	8.2	16	-0.001	0.01	0.32	8.2	0.9	0.6	72.1	-0.01
A904094	71.4	990	11.4	14.2	-0.001	0.02	0.34	7.5	0.6	0.5	79	-0.01
A904095	46.6	1110	6.1	9.9	-0.001	0.01	0.19	3.6	0.7	0.4	94.7	-0.01
A904096	48.7	1090	6.5	8.2	-0.001	0.01	0.34	4.9	0.6	0.4	100.5	-0.01
A904097	51.1	1350	10.1	20.1	-0.001	0.01	0.32	6.2	0.6	0.6	78.4	-0.01
A904098	59.9	1540	9.1	24.3	-0.001	0.01	0.3	4.6	0.6	0.5	93.1	-0.01
A904099	38.4	520	9.8	10.8	-0.001	0.01	0.43	8.9	0.8	0.6	51.9	-0.01

Sample_ID	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm
A904100	74.1	390	31.3	15.4	0.001	0.12	6.51	3.1	0.4	0.5	16.4	-0.01
A904101	37.3	750	11.2	9.4	-0.001	0.01	0.73	6.7	0.8	0.7	70.5	-0.01
A904102	164	990	9.2	12	0.001	0.01	0.5	12	0.8	0.9	83.9	-0.01
A904103	44	1490	8.2	18.3	-0.001	0.01	0.33	4	0.8	0.7	109	-0.01
A904104	36.2	990	8.4	54.1	-0.001	0.01	0.3	3.4	0.5	0.4	64.6	-0.01
A904105	29.5	820	13.2	18.1	-0.001	0.01	6.95	7.6	0.8	0.7	71.3	-0.01
A904106	38.2	1600	11.8	40.7	-0.001	-0.01	17.5	4.9	0.4	0.6	70.9	-0.01
A904107	37	1230	10.9	49.5	-0.001	0.01	0.35	4	0.5	0.4	65	-0.01
A904108	38	1310	12.6	58.6	-0.001	0.02	0.36	3.5	0.7	0.5	107.5	-0.01
A904109	33.4	1500	9	20.6	-0.001	0.02	0.18	3.9	0.8	0.4	111.5	-0.01
A904110	38.7	1450	18.8	32	-0.001	0.02	0.27	4	0.8	0.4	59.8	-0.01
A904111	55.2	1120	10.2	41.9	-0.001	0.01	0.28	4.3	0.6	0.5	75.9	-0.01
A904112	53.9	1350	11.5	22.5	-0.001	0.02	2.15	6.5	0.9	0.6	74	-0.01
A904113	66.7	1030	18.7	30.1	-0.001	0.05	1.36	10	1	0.7	65.3	-0.01
A904114	76.4	1000	10.7	17.7	-0.001	0.01	0.52	7.7	0.7	0.6	79.4	-0.01
A904115	216	500	10.2	23.3	-0.001	-0.01	0.37	11.7	0.8	0.5	89.5	-0.01
A904116	58	920	9.4	31.7	-0.001	0.02	1.09	6.5	0.8	0.6	60.1	-0.01
A904117	47	390	9.9	22.9	-0.001	0.01	1.37	6.2	0.6	0.6	41.1	-0.01
A904118	34.3	1200	16.9	9.6	-0.001	0.01	3.53	10.3	0.7	0.5	27.4	-0.01
A904119	59.3	950	10.2	23.5	-0.001	0.01	0.43	6.1	0.6	0.5	81.4	-0.01
A904120	3	10	0.3	0.2	-0.001	0.01	0.05	0.1	-0.2	0.5	0.4	-0.01
A904121	49.1	1860	28.4	22.1	-0.001	0.01	0.68	5.8	0.8	0.6	95.4	-0.01
A904122	58.7	1170	15.2	19.7	-0.001	0.02	0.41	6.9	0.8	0.6	90.7	-0.01
A904123	62.4	1460	11.8	25.7	-0.001	0.02	0.52	6.2	0.7	0.6	76.1	-0.01
A904124	54.9	1930	6.9	27.8	-0.001	-0.01	0.31	3.4	0.7	0.5	102.5	-0.01
A904125	46.1	1820	8.3	29.6	-0.001	0.01	0.45	4.9	0.6	0.6	85.1	-0.01
A904126	35.4	1490	14.5	43.2	-0.001	0.01	0.34	3.8	0.5	0.6	57.1	-0.01
A904127	49.8	1280	31	39.5	-0.001	0.01	0.35	4.5	0.6	0.6	58.7	-0.01
A904128	38	1440	12.5	25.3	-0.001	0.01	0.7	5.7	1.2	0.8	57.2	-0.01
A904129	60.5	1270	10.1	9.5	-0.001	0.01	0.67	13.7	1.3	0.8	79.1	-0.01
A904130	33.7	1000	10.9	10	-0.001	0.15	2.94	5.6	1	0.7	110.5	-0.01
A904131	71.8	1630	5.8	12.4	-0.001	-0.01	0.33	4.4	0.5	0.6	84.2	-0.01
A904132	55.4	1290	9.2	22.2	-0.001	0.01	0.37	4.5	0.7	0.6	95.6	-0.01

Sample_ID	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm
A904133	64.6	1210	11.6	24.3	-0.001	0.02	0.45	6.1	1	0.6	94.2	-0.01
A904134	61	1080	11	19.9	-0.001	0.01	0.55	7.8	0.8	0.7	83.7	-0.01
A904135	58.1	1520	10.8	26.5	-0.001	0.01	0.72	7.4	0.8	0.9	88.4	-0.01
A904136	62.2	1660	12.6	12.3	-0.001	0.01	7.28	11.8	0.8	0.5	39.7	0.01
A904137	90	2090	5.6	15.3	-0.001	-0.01	0.29	11.3	0.5	0.8	129	-0.01
A904138	38.7	700	28.5	6.8	-0.001	0.01	0.18	7.7	0.7	0.7	119.5	-0.01
A904139	105	1420	5.6	5.9	-0.001	-0.01	0.29	5.7	0.6	0.5	108.5	-0.01
A904140	2.8	10	0.3	0.1	-0.001	-0.01	0.05	0.1	-0.2	0.5	0.4	-0.01
A904141	39.00	1170.00	16.10	32.50	0.00	0.02	3.54	5.80	0.40	0.70	75.40	-0.01
A904142	36.70	1170.00	13.50	51.10	0.00	0.02	9.73	5.00	0.40	0.60	65.10	-0.01
A904143	35.00	1560.00	10.70	16.70	0.00	0.01	0.49	3.10	0.30	0.40	103.00	-0.01
A904144	32.20	990.00	13.40	42.90	0.00	0.02	1.21	3.60	0.40	0.50	63.30	-0.01
A904145	34.00	1150.00	136.00	40.20	0.00	0.02	0.59	4.10	0.40	0.50	69.40	-0.01
A904146	37.30	1550.00	10.30	47.30	0.00	0.02	0.19	3.70	0.40	0.40	60.50	-0.01
A904147	62.50	1600.00	11.60	17.40	0.00	0.03	0.34	4.60	0.40	0.50	118.50	-0.01
A904148	53.30	1140.00	13.70	39.60	0.00	0.02	0.29	4.60	0.40	0.50	81.50	-0.01
A904149	47.10	1370.00	15.30	12.50	0.00	0.02	0.36	4.50	0.30	0.40	96.90	-0.01
A904150	43.80	1810.00	10.50	5.50	0.00	0.02	0.40	4.00	0.60	0.50	99.50	-0.01
A904151	36.20	1460.00	9.90	22.80	0.00	0.03	1.41	4.80	0.40	0.50	89.00	-0.01
A904152	52.80	1400.00	6.50	18.40	0.00	0.01	0.59	8.50	0.20	0.70	100.00	-0.01
A904153	122.00	2030.00	27.80	29.70	0.00	0.17	1.14	20.20	0.60	0.60	61.80	-0.01
A904154	41.80	560.00	10.20	35.80	0.00	0.02	1.68	4.70	0.50	0.60	48.40	-0.01
A904155	52.40	710.00	12.00	36.20	0.00	0.02	0.95	7.90	0.50	0.70	62.60	-0.01
A904156	42.20	830.00	16.40	47.50	0.00	0.04	1.23	5.00	0.50	0.80	57.40	-0.01
A904157	121.00	2020.00	5.70	30.00	0.00	0.01	0.26	5.70	0.40	0.40	98.10	-0.01
A904158	35.50	1090.00	8.40	23.60	0.00	0.02	0.26	3.50	0.60	0.50	93.30	-0.01
A904159	49.70	1210.00	5.10	42.60	0.00	0.02	0.14	2.90	0.20	0.40	57.80	-0.01
A904160	74.70	400.00	31.60	15.90	0.00	0.13	7.16	3.10	0.50	0.60	16.00	-0.01
A904161	38.30	920.00	54.50	17.90	0.00	0.02	0.23	4.90	0.40	0.50	84.90	-0.01
A904162	35.50	1040.00	33.40	35.70	0.00	0.02	0.34	5.00	0.40	0.60	77.20	-0.01
A904163	54.10	1330.00	19.40	10.20	0.00	0.02	4.17	11.30	0.50	0.50	75.50	-0.01
A904164	45.70	1250.00	46.90	39.70	0.00	0.02	0.87	4.60	0.40	0.60	80.60	-0.01
A904165	41.60	890.00	10.50	50.80	0.00	0.03	0.54	4.20	0.40	0.50	74.30	-0.01

Sample_ID	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm
A904166	45.00	1240.00	10.50	35.30	0.00	0.03	0.74	5.90	0.50	0.70	65.40	-0.01
A904167	39.80	1060.00	11.30	23.10	0.00	0.02	0.50	5.20	0.50	0.60	85.40	-0.01
A904168	39.20	900.00	12.90	38.30	0.00	0.02	1.94	6.00	0.50	0.70	71.00	-0.01
A904169	55.40	950.00	17.30	26.00	0.00	0.03	6.09	10.30	0.30	0.70	62.60	-0.01
A904170	54.60	410.00	26.40	17.90	0.00	0.02	10.65	11.20	0.60	0.70	31.60	-0.01
A904171	54.40	440.00	18.90	35.50	0.00	0.03	4.99	9.20	0.50	0.70	48.80	-0.01
A904172	46.30	710.00	10.00	13.90	0.00	0.02	7.00	6.60	0.30	0.60	69.60	-0.01
A904173	55.40	1660.00	7.50	21.20	0.00	0.02	0.39	6.70	0.30	0.60	88.10	-0.01
A904174	38.40	1340.00	7.20	9.10	0.00	0.02	0.35	6.00	0.70	0.70	102.50	-0.01
A904175	36.40	1370.00	8.70	24.80	0.00	0.02	0.23	5.60	0.30	0.70	99.10	-0.01
A904176	45.40	1380.00	5.10	7.90	0.00	0.01	0.26	3.80	0.30	0.40	120.50	-0.01
A904177	39.20	1090.00	10.00	15.10	0.00	0.02	0.19	4.10	0.30	0.40	116.00	-0.01
A904178	45.30	1390.00	11.40	45.50	0.00	0.03	0.28	4.40	0.40	0.50	58.10	-0.01
A904179	31.10	1080.00	11.80	23.70	0.00	0.02	0.32	3.80	0.30	0.50	69.50	-0.01
A904180	2.50	10.00	0.30	0.10	0.00	0.01	-0.05	0.10	-0.20	0.40	0.30	-0.01
A904181	46.20	1940.00	28.60	18.50	0.00	0.02	0.13	3.10	0.30	0.30	101.50	-0.01
A904182	37.60	700.00	26.60	50.70	0.00	0.02	0.24	3.20	0.30	0.40	56.70	-0.01
A904183	33.70	1750.00	18.30	10.60	0.00	0.01	0.28	5.40	0.60	0.30	84.90	-0.01
A904184	37.40	930.00	22.30	39.90	0.00	0.02	1.35	5.10	0.60	0.50	71.70	-0.01
A904185	40.70	1240.00	16.60	17.40	0.00	0.01	0.76	3.80	0.60	0.40	96.50	-0.01
A904186	37.40	880.00	15.00	49.00	0.00	0.01	2.01	6.90	0.60	0.60	69.40	-0.01
A904187	92.30	1840.00	12.60	22.80	0.00	0.01	7.91	8.00	0.40	0.50	86.80	-0.01
A904188	39.00	360.00	9.80	18.10	0.00	0.01	8.07	6.20	0.50	0.70	40.20	-0.01
A904189	40.10	980.00	9.90	47.00	0.00	0.01	1.72	4.90	0.60	0.50	66.10	-0.01
A904190	27.20	330.00	11.80	25.30	0.00	0.01	8.75	7.80	0.50	0.60	32.90	-0.01
A904191	58.90	1630.00	8.60	15.10	0.00	-0.01	5.15	7.20	0.30	0.40	78.20	-0.01
A904192	46.40	690.00	9.80	17.60	0.00	0.01	5.55	10.70	0.60	0.50	58.80	-0.01
A904193	86.20	500.00	12.60	16.80	0.00	0.01	6.39	16.60	1.20	0.60	63.80	-0.01
A904194	56.60	520.00	13.70	20.40	0.00	0.01	2.76	10.60	0.70	0.70	65.20	-0.01
A904195	59.70	1640.00	17.40	47.70	0.00	0.02	0.47	6.20	0.50	0.50	67.50	-0.01
A904196	64.80	1970.00	10.20	24.70	0.00	0.01	0.35	10.80	0.50	0.70	113.50	-0.01
A904197	38.80	1530.00	6.80	12.80	0.00	0.01	0.94	6.30	0.30	0.60	120.00	-0.01
A904198	31.80	430.00	8.30	39.10	0.00	0.01	0.32	4.40	0.40	0.50	62.80	-0.01

Sample_ID	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm
A904199	34.80	1820.00	19.30	5.90	0.00	0.01	0.27	4.70	0.40	0.30	107.00	-0.01
A904200	73.10	390.00	32.10	14.80	0.00	0.12	7.99	2.90	0.50	0.50	16.00	-0.01
A904201	31.00	950.00	21.60	23.60	0.00	0.02	0.95	5.50	0.80	0.50	78.70	-0.01
A904202	34.50	940.00	18.40	39.50	0.00	0.02	4.60	5.60	0.60	0.60	74.50	-0.01
A904203	30.70	520.00	15.90	30.90	0.00	0.01	2.63	5.10	0.60	0.50	63.80	-0.01
A904204	29.40	600.00	14.90	7.70	0.00	0.01	3.77	5.30	0.50	0.40	79.90	-0.01
A904205	22.10	490.00	12.10	13.10	0.00	0.02	19.60	7.60	0.70	0.60	47.40	-0.01
A904206	34.00	1050.00	11.10	32.00	0.00	0.01	6.59	5.50	0.50	0.50	65.80	-0.01
A904207	41.70	1770.00	5.70	8.30	0.00	0.01	3.73	13.40	0.30	0.70	168.50	-0.01
A904208	53.10	440.00	44.00	20.80	0.00	0.01	3.65	8.50	0.90	0.50	33.00	-0.01
A904209	35.80	1230.00	20.50	6.60	0.00	0.01	3.66	7.60	0.60	0.40	85.40	-0.01
A904210	67.00	1970.00	278.00	5.60	0.00	0.01	2.16	15.40	0.50	0.50	138.50	-0.01
A904211	46.40	440.00	30.40	27.70	0.00	0.01	1.80	8.00	0.70	0.60	44.90	-0.01
A904212	44.50	450.00	18.70	37.30	0.00	0.01	1.54	8.60	0.50	0.70	52.10	-0.01
A904213	191.50	1270.00	40.90	24.90	0.00	0.04	4.09	22.70	0.80	0.20	57.00	-0.01
A904214	43.50	1300.00	11.30	27.00	0.00	0.01	1.86	6.60	0.50	0.50	75.50	-0.01
A904215	48.10	1910.00	6.70	51.80	0.00	0.01	0.24	5.90	0.30	0.50	99.30	-0.01
A904216	40.60	1470.00	10.60	10.20	0.00	0.01	0.40	5.90	0.50	0.60	93.60	-0.01
A904217	32.10	830.00	10.70	11.00	0.00	0.01	0.32	5.70	0.70	0.50	94.00	-0.01
A904218	86.10	1400.00	8.80	14.50	0.00	0.01	0.27	7.50	0.60	0.40	94.30	-0.01
A904219	47.70	730.00	15.90	17.40	0.00	0.01	0.78	7.70	0.80	0.60	82.10	-0.01
A904220	2.70	10.00	0.30	0.10	0.00	-0.01	-0.05	0.10	-0.20	0.40	0.20	-0.01
A904221	23.60	930.00	20.20	8.90	0.00	0.01	0.63	9.40	0.50	0.60	80.30	-0.01
A904222	41.50	1180.00	40.40	16.70	0.00	0.03	0.94	7.00	0.60	0.80	88.40	-0.01
A904223	27.60	1390.00	11.30	3.80	0.00	0.01	0.52	6.70	0.30	0.50	67.50	-0.01
A904224	21.70	1400.00	7.00	4.00	0.00	-0.01	0.74	11.80	0.20	0.40	58.80	-0.01
A904225	42.70	790.00	7.20	16.50	0.00	0.01	1.53	10.40	0.40	0.80	53.20	-0.01
A904226	37.80	1140.00	12.70	32.30	0.00	0.03	4.70	7.20	0.50	0.60	67.30	-0.01
A904227	34.30	700.00	11.40	30.90	0.00	0.02	6.67	5.20	0.70	0.60	59.20	-0.01
A904228	24.40	520.00	11.60	18.30	0.00	0.01	14.00	6.10	0.60	0.50	41.40	-0.01
A904229	29.40	1100.00	10.90	9.70	0.00	0.02	11.45	11.30	0.90	0.70	75.50	-0.01
A904230	33.50	360.00	15.30	16.20	0.00	-0.01	2.79	10.70	0.30	1.30	61.90	-0.01
A904231	145.00	840.00	12.90	13.50	0.00	0.01	0.85	10.20	0.30	0.40	85.90	-0.01

Sample_ID	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm
A904232	56.40	1480.00	27.70	24.40	0.00	0.03	1.14	9.20	0.60	0.90	78.40	-0.01
A904233	46.60	950.00	34.40	18.80	0.00	0.01	2.38	8.10	0.60	1.00	55.20	-0.01
A904234	23.80	1580.00	26.30	12.20	0.00	0.02	1.02	3.90	0.50	1.70	58.90	-0.01
A904235	49.20	760.00	17.90	13.10	0.00	0.01	0.18	6.40	0.30	0.80	86.20	-0.01
A904236	26.90	570.00	12.80	9.30	0.00	0.01	0.23	6.30	0.60	0.60	94.30	-0.01
A904237	38.50	530.00	14.80	18.80	0.00	0.02	0.29	4.70	0.50	0.50	52.50	-0.01
A904238	29.00	620.00	8.80	4.70	0.00	0.01	1.43	6.20	0.80	0.50	62.40	-0.01
A904239	35.40	1310.00	16.50	4.30	0.00	0.01	0.27	6.70	0.50	0.50	111.00	-0.01
A904240	73.10	390.00	31.90	14.40	0.00	0.12	7.73	2.70	0.40	0.50	15.60	-0.01
A904241	36.50	870.00	13.60	8.40	0.00	0.01	0.15	4.20	0.50	0.40	127.00	-0.01
A904242	27.20	1140.00	14.40	18.80	0.00	0.01	2.04	8.80	0.50	0.50	64.80	-0.01
A904243	26.50	390.00	22.30	37.40	0.00	0.02	3.38	6.00	0.50	0.70	51.90	-0.01
A904244	42.60	460.00	17.20	22.00	0.00	0.01	3.60	10.70	0.50	0.70	66.50	-0.01
A904245	31.30	470.00	12.20	20.50	0.00	0.01	3.20	7.90	0.60	0.70	74.60	-0.01
A904246	31.10	350.00	14.90	26.20	0.00	0.01	3.57	9.70	0.70	0.80	51.40	-0.01
A904247	32.80	760.00	17.10	19.20	0.00	0.02	5.23	9.30	0.70	0.70	59.40	-0.01
A904248	12.70	370.00	5.40	6.20	0.00	0.01	8.54	5.40	0.70	0.60	34.70	-0.01
A904249	26.40	960.00	10.00	12.20	0.00	0.02	3.08	6.10	0.80	0.50	82.80	-0.01
A904250	31.10	1840.00	19.60	5.80	0.00	0.02	1.12	7.00	0.80	0.50	104.50	-0.01
A904251	31.10	1350.00	18.70	22.30	0.00	0.02	1.58	5.10	0.60	0.60	72.70	-0.01
A904252	32.70	1550.00	21.60	19.70	0.00	0.01	0.30	6.30	0.30	0.50	80.00	-0.01
A904253	65.80	1000.00	26.60	22.10	0.00	0.01	0.47	6.20	0.50	0.60	108.50	-0.01
A904254	28.40	860.00	17.00	24.70	0.00	0.01	0.25	5.40	0.50	0.60	63.20	-0.01
A904255	24.70	960.00	12.20	14.00	0.00	0.02	0.19	5.60	0.50	0.50	86.40	-0.01
A904256	27.40	1350.00	16.20	6.10	0.00	0.01	0.14	7.60	0.60	0.50	135.50	-0.01
A904257	26.80	970.00	21.10	3.90	0.00	0.01	0.34	8.70	0.70	0.70	116.00	-0.01
A904258	89.20	940.00	6.60	15.30	0.00	0.01	0.54	4.50	0.50	0.30	105.50	-0.01
A904259	48.60	1370.00	10.20	19.60	0.00	0.02	0.64	6.20	0.60	0.60	118.50	-0.01
A904260	2.80	10.00	0.30	0.10	0.00	-0.01	0.05	0.10	-0.20	0.40	0.30	-0.01
A904261	33.60	850.00	11.20	22.10	0.00	0.01	0.32	7.30	0.70	0.60	106.50	-0.01
A904262	30.40	1100.00	10.50	7.30	0.00	0.01	0.43	7.30	0.50	0.50	138.50	-0.01
A904263	28.00	580.00	31.50	24.00	0.00	0.04	1.53	8.40	0.50	0.70	104.50	-0.01
A904264	19.10	370.00	20.90	17.10	0.00	0.01	4.03	8.50	0.50	0.70	83.40	-0.01

Sample_ID	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm
A904265	28.80	330.00	34.60	34.50	0.00	0.02	4.90	8.30	0.70	0.80	70.60	-0.01
A904266	39.80	750.00	61.30	43.90	0.00	0.03	3.33	7.30	1.00	0.90	65.60	-0.01
A904267	23.60	580.00	34.70	33.50	0.00	0.02	0.81	5.40	0.50	0.90	36.00	-0.01
A904268	14.70	450.00	18.90	8.90	0.00	0.03	3.74	3.50	0.70	0.60	26.90	-0.01
A904269	14.30	360.00	60.80	25.90	0.00	0.02	1.90	6.60	0.60	0.90	52.80	-0.01
A904270	21.70	700.00	40.40	41.60	0.00	0.03	0.80	4.40	0.60	0.90	50.30	-0.01
A904271	25.20	400.00	22.90	45.40	0.00	0.01	0.88	5.00	0.40	0.70	52.20	-0.01
A904272	24.80	370.00	21.60	51.70	0.00	0.01	0.99	4.70	0.60	0.70	43.90	-0.01
A904273	31.50	1810.00	18.20	26.60	0.00	0.02	0.36	5.00	0.60	0.50	81.00	-0.01
A904274	33.30	1870.00	30.40	18.20	0.00	0.01	0.43	4.30	0.40	1.60	70.00	-0.01
A904275	33.90	990.00	16.50	21.50	0.00	-0.01	0.21	5.90	0.30	0.50	67.60	-0.01
A904276	22.30	950.00	13.80	16.70	0.00	0.02	0.24	4.60	0.60	0.60	79.50	-0.01
A904277	27.80	790.00	11.60	8.10	0.00	0.01	0.20	7.10	0.60	0.70	108.50	-0.01
A904278	22.40	880.00	10.20	3.90	0.00	-0.01	0.23	8.20	0.40	0.70	109.00	-0.01
A904279	4.00	900.00	4.60	2.90	0.00	0.01	0.26	2.60	0.60	0.40	90.40	-0.01
A904280	2.70	10.00	0.30	0.10	0.00	-0.01	0.05	0.10	-0.20	0.40	0.30	-0.01
A904281	49.40	2380.00	5.80	15.30	0.00	0.01	0.26	10.80	0.50	0.70	161.00	-0.01
A904282	70.00	1970.00	14.40	7.90	0.00	0.01	0.14	6.00	0.50	0.40	115.00	-0.01
A904283	52.50	1640.00	9.40	41.90	0.00	0.01	0.20	5.90	0.50	0.50	78.20	-0.01
A904284	9.60	260.00	39.80	18.90	0.00	0.01	1.52	4.10	0.50	0.60	23.10	-0.01
A904285	195.50	1450.00	16.50	11.30	0.00	0.01	0.53	12.90	0.60	0.60	99.20	-0.01
A904286	33.70	340.00	18.70	38.20	0.00	0.01	0.64	6.10	0.60	0.70	43.30	-0.01
A904287	25.60	2010.00	23.90	13.60	0.00	0.03	0.42	3.80	0.40	0.40	60.50	-0.01
A904288	33.40	1140.00	3.20	19.20	0.00	-0.01	0.05	10.80	0.30	0.60	76.20	-0.01
A904289	33.90	2030.00	18.40	15.70	0.00	0.01	0.25	4.10	0.40	0.30	80.90	-0.01
A904290	36.80	1390.00	5.40	4.60	0.00	0.01	0.16	9.50	0.60	0.60	89.10	-0.01
A904291	65.40	1800.00	9.80	33.40	0.00	0.04	0.17	8.30	0.80	0.60	92.30	-0.01
A904292	35.60	1620.00	11.70	19.80	0.00	0.02	0.15	5.60	0.30	0.60	68.50	-0.01
A904293	31.70	1460.00	7.50	9.80	0.00	0.01	0.33	10.00	0.20	0.90	90.50	-0.01
A904294	22.50	1170.00	4.80	14.20	0.00	0.01	0.08	4.70	0.30	0.40	69.20	-0.01
A904295	32.00	750.00	16.80	24.40	0.00	0.03	0.37	5.40	0.50	0.70	76.30	-0.01
A904296	21.70	1610.00	13.80	17.00	0.00	0.02	0.20	4.00	0.40	0.40	59.50	-0.01
A904297	27.50	1740.00	32.30	21.00	0.00	0.03	0.27	5.00	0.30	0.50	74.10	-0.01

Sample_ID	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm
A904298	24.60	2020.00	11.50	26.90	0.00	0.02	0.16	5.70	0.30	0.60	58.80	-0.01
A904299	8.40	1230.00	11.70	15.20	0.00	0.01	0.08	5.20	0.20	0.50	57.00	-0.01
A904300	73.10	400.00	31.90	16.00	0.00	0.13	6.18	2.90	0.40	0.60	15.80	-0.01
A904301	16.40	500.00	36.40	42.50	0.00	0.03	0.41	4.10	0.60	1.00	48.70	-0.01
A904302	97.00	1810.00	7.80	29.80	0.00	0.02	0.10	9.40	0.40	0.60	108.50	-0.01
A904303	50.50	2150.00	255.00	22.30	0.00	0.01	0.31	13.00	0.30	0.70	111.00	-0.01
A904304	12.80	1890.00	7.20	15.90	0.00	0.01	0.14	4.50	0.30	0.30	96.80	-0.01
A904305	16.80	1740.00	4.90	3.90	0.00	0.02	0.11	2.90	0.20	0.40	195.00	-0.01
A904306	22.80	1140.00	15.80	21.40	0.00	0.03	0.24	4.10	0.40	0.60	50.40	-0.01
A904307	13.30	1120.00	12.10	10.80	0.00	0.02	0.18	4.00	0.20	0.40	70.20	-0.01
A904308	17.40	1260.00	5.00	29.30	0.00	0.02	0.14	8.30	0.40	0.60	66.00	-0.01
A904309	37.60	1810.00	9.50	23.30	0.00	0.02	0.14	7.40	0.40	0.50	78.20	-0.01
A904310	27.40	1070.00	10.00	12.40	0.00	0.01	0.13	7.30	0.40	0.60	94.70	-0.01
A904311	3.70	480.00	11.60	3.50	0.00	0.08	0.11	1.70	0.70	0.20	83.00	-0.01
A904312	20.50	700.00	20.70	28.00	0.00	0.02	0.21	4.00	0.40	0.50	54.90	-0.01
A904313	8.30	440.00	31.00	10.30	0.00	0.02	0.21	2.70	0.40	0.40	40.30	-0.01
A904314	28.40	770.00	9.80	24.60	0.00	0.02	0.19	5.60	0.40	0.50	106.50	-0.01
A904315	30.90	920.00	8.90	9.50	0.00	0.04	0.47	5.20	0.70	0.50	99.60	-0.01
A904316	57.10	1030.00	4.20	34.00	0.00	0.01	0.26	6.30	0.30	0.50	97.50	-0.01
A904317	62.00	1030.00	6.20	20.50	0.00	0.02	0.32	4.70	0.20	0.40	78.20	-0.01
A904318	36.10	660.00	10.90	7.50	0.00	0.02	0.47	6.90	0.30	0.60	67.20	-0.01
A904319	45.00	1730.00	11.00	6.70	0.00	0.01	0.35	4.30	0.50	0.50	107.50	-0.01
A904320	2.60	10.00	0.30	0.10	0.00	0.01	-0.05	0.10	-0.20	0.50	0.30	-0.01
A904321	32.60	1910.00	19.50	4.80	0.00	0.02	0.23	4.00	0.30	0.40	100.50	-0.01
A904322	27.90	1690.00	20.60	5.80	0.00	0.03	1.06	6.40	0.50	0.50	94.50	-0.01
A904323	8.30	1170.00	12.50	14.90	0.00	0.01	0.09	5.30	0.30	0.60	57.70	-0.01
A904324	86.90	1070.00	18.00	6.00	0.00	0.02	1.06	11.50	0.60	0.70	114.00	-0.01

Sample_ID	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Job Number
A904001	0.02	7.1	0.117	0.16	0.73	103	-0.05	13.7	117	1	RE19323105
A904002	0.07	4.9	0.036	0.13	0.99	189	0.09	27.5	161	3.7	RE19323105
A904003	0.06	5.9	0.098	0.25	1.1	84	0.17	11.5	73	4.3	RE19323105
A904004	0.02	4.4	0.039	0.23	0.71	86	0.2	17.25	70	0.5	RE19323105
A904005	0.02	3.9	0.127	0.24	0.47	89	0.07	12.7	83	1.4	RE19323105
A904006	0.06	8.3	0.114	0.26	1.07	107	0.12	22.9	93	1.4	RE19323105
A904007	0.04	7.5	0.088	0.23	1.05	76	0.17	19.35	79	2.2	RE19323105
A904008	0.02	4.2	0.137	0.22	0.94	83	0.23	8.68	87	1.1	RE19323105
A904009	0.05	5.2	0.15	0.26	0.63	86	0.05	7.61	103	2	RE19323105
A904010	0.03	4.5	0.173	0.27	0.82	105	0.08	14.3	96	1.9	RE19323105
A904011	0.06	6.9	0.126	0.2	0.65	86	0.25	16.15	70	1	RE19323105
A904012	0.03	8.9	0.094	0.14	0.76	89	-0.05	14.5	90	1.5	RE19323105
A904013	0.03	3.4	0.039	0.15	1.17	73	0.54	33.1	71	-0.5	RE19323105
A904014	0.03	6.5	0.094	0.19	0.8	85	0.16	14.9	81	1.1	RE19323105
A904015	0.04	5.7	0.022	0.18	1.05	58	0.52	20.7	80	1.9	RE19323105
A904016	0.04	4.3	0.119	0.22	0.8	77	0.08	10.6	78	1.9	RE19323105
A904017	0.01	2.6	0.101	0.1	0.41	79	-0.05	7.92	66	0.7	RE19323105
A904018	0.03	3.6	0.142	0.21	0.76	92	0.06	8.57	102	1.3	RE19323105
A904019	0.05	9.2	0.118	0.24	0.96	93	0.05	8.61	91	3.4	RE19323105
A904020	0.23	9.6	-0.005	0.46	1.09	20	0.14	10.7	125	8.7	RE19323105
A904021	0.05	5.1	0.108	0.25	1.09	63	0.15	9.26	68	2.4	RE19323105
A904022	0.03	2.1	0.171	0.21	0.7	87	-0.05	7.6	89	1.3	RE19323105
A904023	0.03	7.7	0.097	0.19	0.89	80	0.27	14.75	92	1.8	RE19323105
A904024	0.06	7.1	0.073	0.2	1	86	0.1	14.45	79	2	RE19323105
A904025	0.03	12	0.111	0.27	1.09	59	0.14	12.35	91	1.8	RE19323105
A904026	0.03	14.6	0.106	0.28	1.05	55	0.13	14.25	83	1.8	RE19323105
A904027	0.03	8.2	0.16	0.33	1.55	77	0.22	20	112	1.4	RE19323105
A904028	0.06	7.5	0.047	0.16	1.33	44	0.45	19.6	68	2.2	RE19323105
A904029	0.02	4	0.137	0.18	0.57	85	0.15	15.15	83	-0.5	RE19323105
A904030	0.03	4.6	0.093	0.13	0.91	91	0.06	11.5	102	0.9	RE19323105
A904031	0.04	4.6	0.125	0.28	1.09	90	0.09	9.7	95	1.2	RE19323105
A904032	0.03	3.7	0.163	0.25	1.19	97	0.05	8.64	102	1.2	RE19323105
A904033	0.02	3.7	0.139	0.22	0.92	99	0.16	9.25	85	1.1	RE19323105

Sample_ID	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Job Number
A904034	0.03	4.1	0.153	0.27	0.89	82	0.08	7.81	88	1.6	RE19323105
A904035	0.05	8.6	0.03	0.19	0.96	80	0.15	14.6	64	1.6	RE19323105
A904036	0.03	8.8	0.147	0.29	1.35	85	-0.05	12.5	109	0.9	RE19323105
A904037	0.04	6.8	0.105	0.23	0.83	67	0.79	12.05	84	1.3	RE19323105
A904038	0.04	5.1	0.062	0.16	1.1	56	0.75	11.1	83	1.4	RE19323105
A904039	0.04	9.4	0.015	0.08	1.26	71	0.82	12.3	65	1.2	RE19323105
A904040	-0.01	0.4	-0.005	-0.02	0.06	1	-0.05	0.2	2	-0.5	RE19323105
A904041	0.07	8.7	0.035	0.12	1.01	66	0.28	15.25	73	1.7	RE19323105
A904042	0.06	8.9	0.043	0.14	0.98	74	0.11	14.3	80	1.8	RE19323105
A904043	0.03	7.6	0.076	0.2	1.29	60	0.22	14.8	76	1.2	RE19323105
A904044	0.02	6.3	0.138	0.19	0.87	68	0.07	9.46	98	1	RE19323105
A904045	0.04	5.1	0.08	0.17	0.82	67	0.21	11.85	81	1.1	RE19323105
A904046	0.01	3.9	0.125	0.12	0.87	73	0.12	6.13	87	0.8	RE19323105
A904047	0.03	6.3	0.082	0.2	0.87	66	0.22	8.2	80	1	RE19323105
A904048	0.03	5.7	0.103	0.2	0.8	60	0.06	9.31	76	1.3	RE19323105
A904049	0.04	6.3	0.105	0.21	0.86	66	0.05	9.11	80	1.8	RE19323105
A904050	0.01	5.5	0.128	0.16	0.68	82	-0.05	11.9	83	1.4	RE19323105
A904051	0.01	7.2	0.134	0.22	0.96	92	-0.05	7.4	86	1.4	RE19323105
A904052	0.02	5.6	0.105	0.19	0.87	61	0.06	9.04	70	1.9	RE19323105
A904053	0.03	6	0.047	0.17	0.78	76	-0.05	7.61	72	1.1	RE19323105
A904054	0.02	6.2	0.088	0.13	0.98	89	-0.05	13.8	93	0.8	RE19323105
A904055	0.03	7.8	0.158	0.21	0.63	106	-0.05	14.3	86	0.9	RE19323105
A904056	0.07	5.6	0.044	0.14	0.72	51	0.12	10.4	64	1.4	RE19323105
A904057	0.06	5.1	0.044	0.15	0.84	50	0.29	10.2	62	1.3	RE19323105
A904058	0.04	8	0.059	0.17	0.95	49	0.05	12.2	68	1.4	RE19323105
A904059	0.05	7	0.071	0.19	0.97	55	0.06	12.05	69	1.4	RE19323105
A904060	0.22	9.6	-0.005	0.46	1.07	21	0.1	10.25	126	6.5	RE19323105
A904061	0.03	9.1	0.155	0.32	1.13	51	-0.05	12.7	126	1.2	RE19323105
A904062	0.04	8.8	0.073	0.16	0.96	53	-0.05	11.2	73	1.5	RE19323105
A904063	0.05	5.8	0.067	0.17	0.86	59	0.16	10.65	66	1.6	RE19323105
A904064	0.03	3.1	0.186	0.19	0.58	92	0.09	7.97	106	0.8	RE19323105
A904065	0.02	6.4	0.106	0.17	0.97	83	0.09	23.1	110	0.9	RE19323105
A904066	0.03	8.6	0.113	0.23	0.96	79	-0.05	10.7	104	1.6	RE19323105

Sample_ID	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Job Number
A904067	0.1	4.7	0.085	0.17	0.69	59	0.06	8.22	71	1.3	RE19323105
A904068	0.03	6.9	0.092	0.24	0.98	63	0.38	9.65	58	1.7	RE19323105
A904069	0.02	6.5	0.113	0.24	0.68	54	0.08	6.01	59	2.5	RE19323105
A904070	0.02	8.5	0.108	0.15	0.9	77	0.08	11.7	79	1.3	RE19323105
A904071	0.03	10.4	0.044	0.16	0.87	77	0.1	12.55	66	2.1	RE19323105
A904072	0.04	7.2	0.065	0.15	0.91	56	0.22	9.8	60	1.7	RE19323105
A904073	0.19	7.3	0.058	0.26	1.38	97	0.09	23.6	104	1.9	RE19323105
A904074	0.04	10.9	0.096	0.22	0.79	63	0.06	15	85	1.2	RE19323105
A904075	0.07	4.3	0.108	0.15	0.58	69	0.09	9.4	64	1.8	RE19323105
A904076	0.1	6.7	0.078	0.2	0.87	69	0.08	11.55	76	1.9	RE19323105
A904077	0.07	8	0.07	0.19	0.95	62	0.05	12.6	68	2	RE19323105
A904078	0.14	11.7	-0.005	0.06	1.18	49	0.06	14.1	67	1.7	RE19323105
A904079	0.05	9.7	0.108	0.08	1.37	59	-0.05	11.45	92	1.5	RE19323105
A904080	-0.01	0.5	-0.005	-0.02	0.07	1	-0.05	0.26	2	0.5	RE19323105
A904081	0.11	12.1	0.015	0.12	1.33	54	0.05	17.7	72	2.5	RE19323105
A904082	0.17	5.9	0.05	0.13	0.9	61	0.09	14.2	84	2.2	RE19323105
A904083	0.42	4.9	0.051	0.15	0.82	52	0.06	13.5	74	2	RE19323105
A904084	1.1	5.9	0.068	0.15	1.13	84	-0.05	10.6	96	2	RE19323105
A904085	0.37	4.7	0.075	0.2	0.88	76	0.05	13.35	67	3.8	RE19323105
A904086	0.26	4.7	0.031	0.17	0.92	75	0.05	12.25	62	2.8	RE19323105
A904087	0.26	4.7	0.084	0.22	0.86	67	0.1	11.1	74	1.8	RE19323105
A904088	0.04	4.5	0.157	0.24	0.8	79	-0.05	8.77	98	0.6	RE19323105
A904089	0.16	7.2	0.085	0.16	1.24	78	0.05	11.9	80	2.5	RE19323105
A904090	0.19	6.6	0.086	0.24	0.8	60	0.07	9.44	62	1.6	RE19323105
A904091	0.24	5.7	0.07	0.23	1.01	52	0.11	11.1	57	1.4	RE19323105
A904092	0.38	7.8	0.042	0.21	0.96	52	0.09	14.55	60	1.4	RE19323105
A904093	0.41	5.5	0.018	0.11	1.06	66	0.05	17.7	63	2.5	RE19323105
A904094	0.17	5.9	0.049	0.13	0.94	72	0.07	13.15	86	1.9	RE19323105
A904095	0.05	6.4	0.112	0.12	1.02	70	-0.05	11.5	76	1.3	RE19323105
A904096	0.11	7.4	0.049	0.08	0.89	56	0.05	11.95	73	1.6	RE19323105
A904097	0.19	6.5	0.059	0.11	0.7	54	0.08	12.2	77	2	RE19323105
A904098	0.17	5.9	0.057	0.12	0.81	50	0.07	10.7	89	2.3	RE19323105
A904099	0.16	12.1	0.008	0.1	1.14	49	-0.05	12.65	49	1.8	RE19323105

Sample_ID	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Job Number
A904100	0.22	9.3	-0.005	0.45	1.07	19	0.13	10.6	126	7.8	RE19323105
A904101	0.17	7.9	0.014	0.07	1.12	57	0.07	10.95	58	2.4	RE19323105
A904102	0.1	2.8	0.031	0.11	0.86	87	0.1	15.6	66	3.5	RE19323105
A904103	0.03	9	0.144	0.17	1.37	82	0.09	9.2	88	1.9	RE19323105
A904104	0.04	8	0.121	0.25	1.13	60	0.13	8.2	73	1.9	RE19323105
A904105	0.06	9.4	0.014	0.15	1.26	73	0.5	14.45	60	3.7	RE19323105
A904106	0.04	12	0.094	0.26	1.61	65	0.91	15.65	79	1.3	RE19323105
A904107	0.08	7.4	0.102	0.25	1.15	69	0.06	7.88	77	1.7	RE19323105
A904108	0.1	6.2	0.095	0.25	1.03	58	0.07	8.74	81	1.5	RE19323105
A904109	0.05	7.2	0.096	0.18	1.52	71	-0.05	8.15	79	1.4	RE19323105
A904110	0.19	8.4	0.05	0.15	1.16	66	0.07	8.43	80	2.2	RE19323105
A904111	0.12	5.7	0.114	0.23	1.05	74	0.08	9.78	82	2.4	RE19323105
A904112	0.49	7.9	0.055	0.15	1.16	68	0.21	14.35	67	2	RE19323105
A904113	0.84	6.1	0.045	0.18	1.1	70	0.18	12.3	74	2.6	RE19323105
A904114	0.42	7	0.076	0.17	0.89	78	0.09	15.65	80	1.7	RE19323105
A904115	0.35	4.2	0.11	0.19	0.65	94	0.08	9.54	98	3	RE19323105
A904116	0.26	4.8	0.058	0.18	0.74	60	0.13	14.65	70	1.7	RE19323105
A904117	0.18	5.5	0.052	0.18	0.74	67	0.13	13.35	59	1.6	RE19323105
A904118	0.48	9.4	-0.005	0.11	1.47	60	0.33	19.05	62	1.2	RE19323105
A904119	0.16	4.8	0.109	0.22	0.92	74	-0.05	9.05	77	2.3	RE19323105
A904120	-0.01	0.4	-0.005	-0.02	0.06	1	-0.05	0.27	2	0.5	RE19323105
A904121	0.19	6.6	0.078	0.15	1.05	61	0.1	14	77	1.5	RE19323105
A904122	0.15	6.1	0.027	0.14	1	58	0.07	13.25	78	2.9	RE19323105
A904123	0.17	3.6	0.077	0.15	0.64	65	0.14	11.4	67	2.9	RE19323105
A904124	0.03	7.3	0.184	0.23	1.17	60	0.09	9.26	115	1.5	RE19323105
A904125	0.25	11.8	0.071	0.2	1.26	81	0.05	12.25	99	1.4	RE19323105
A904126	0.18	6.8	0.082	0.22	0.99	57	0.11	8.95	75	2	RE19323105
A904127	0.28	6.9	0.069	0.22	1.06	67	0.28	10.8	72	1.9	RE19323105
A904128	0.81	7.4	0.036	0.16	1.58	70	0.27	15.7	75	2.2	RE19323105
A904129	0.33	9.5	0.023	0.11	1.7	89	0.09	16.95	74	2.2	RE19323105
A904130	0.63	6.5	0.048	0.1	1.13	61	0.36	11.75	55	0.9	RE19323105
A904131	0.17	5.9	0.157	0.12	0.8	93	0.11	10.05	85	1.6	RE19323105
A904132	0.23	6.6	0.078	0.13	0.87	65	0.14	12.65	81	1.8	RE19323105

Sample_ID	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Job Number
A904133	0.36	4.6	0.049	0.13	0.87	62	0.09	14.3	79	1.8	RE19323105
A904134	0.28	7.1	0.048	0.15	0.94	68	0.27	15.6	77	2	RE19323105
A904135	0.23	7.3	0.036	0.16	0.9	67	0.09	15.85	89	2.3	RE19323105
A904136	0.05	9.2	0.026	0.15	1.77	57	0.74	36	96	-0.5	RE19323105
A904137	0.09	1.9	0.127	0.18	0.95	88	-0.05	11.55	141	1.2	RE19323105
A904138	0.28	2.4	0.048	0.08	0.61	70	-0.05	9.32	59	1.9	RE19323105
A904139	0.1	2.1	0.173	0.08	0.57	99	0.08	10.65	55	2.3	RE19323105
A904140	-0.01	0.4	-0.005	-0.02	0.07	1	-0.05	0.25	2	0.6	RE19323105
A904141	0.06	8.90	0.07	0.21	1.14	69.00	0.12	15.05	74.00	1.70	RE19323102
A904142	0.11	8.30	0.09	0.23	1.19	63.00	0.46	10.95	67.00	1.70	RE19323102
A904143	0.06	7.60	0.12	0.16	1.05	86.00	-0.05	7.23	78.00	1.40	RE19323102
A904144	0.17	7.60	0.08	0.21	1.06	55.00	0.07	8.72	66.00	1.40	RE19323102
A904145	0.10	7.40	0.08	0.18	1.13	61.00	0.08	9.66	94.00	1.40	RE19323102
A904146	0.12	6.40	0.11	0.19	1.11	72.00	0.05	7.31	73.00	1.50	RE19323102
A904147	0.34	7.90	0.12	0.18	1.36	89.00	-0.05	10.10	78.00	2.20	RE19323102
A904148	0.28	7.30	0.09	0.23	1.09	75.00	0.08	9.30	76.00	1.90	RE19323102
A904149	0.29	9.50	0.09	0.12	1.17	76.00	0.05	11.95	86.00	1.50	RE19323102
A904150	0.61	9.20	0.05	0.09	1.83	82.00	-0.05	14.60	98.00	1.50	RE19323102
A904151	0.23	7.80	0.08	0.18	1.20	69.00	0.10	9.90	77.00	1.50	RE19323102
A904152	0.08	12.60	0.09	0.18	1.31	58.00	-0.05	16.55	82.00	1.70	RE19323102
A904153	0.76	5.30	0.06	0.26	1.84	111.00	0.21	18.90	114.00	2.00	RE19323102
A904154	0.17	6.20	0.08	0.22	0.71	62.00	0.17	10.10	59.00	2.10	RE19323102
A904155	0.32	6.70	0.06	0.26	0.87	73.00	0.07	13.45	68.00	2.90	RE19323102
A904156	0.19	4.20	0.07	0.23	0.69	56.00	0.12	9.92	63.00	2.00	RE19323102
A904157	0.14	4.00	0.11	0.21	0.70	86.00	0.10	9.08	92.00	1.20	RE19323102
A904158	0.47	8.70	0.07	0.16	0.85	63.00	0.05	8.36	53.00	1.50	RE19323102
A904159	0.07	5.70	0.14	0.25	0.81	58.00	0.05	5.66	73.00	1.70	RE19323102
A904160	0.21	9.50	-0.01	0.47	1.07	21.00	0.12	10.70	126.00	9.10	RE19323102
A904161	0.04	7.10	0.08	0.17	0.84	69.00	-0.05	8.30	84.00	1.70	RE19323102
A904162	0.08	7.50	0.08	0.22	1.00	70.00	0.08	10.30	81.00	2.00	RE19323102
A904163	0.15	3.60	0.06	0.14	1.52	94.00	0.21	17.90	72.00	1.90	RE19323102
A904164	0.19	7.30	0.08	0.23	0.91	70.00	0.10	10.40	87.00	1.60	RE19323102
A904165	0.12	6.50	0.12	0.27	0.84	67.00	0.09	8.49	77.00	1.70	RE19323102

Sample_ID	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Job Number
A904166	0.22	8.50	0.07	0.21	0.90	72.00	0.13	12.15	75.00	1.70	RE19323102
A904167	0.33	7.40	0.07	0.17	1.08	69.00	0.05	13.75	79.00	1.90	RE19323102
A904168	0.41	8.80	0.06	0.22	1.04	66.00	0.12	14.40	75.00	2.00	RE19323102
A904169	0.35	7.70	0.06	0.18	0.95	79.00	0.40	12.10	82.00	1.50	RE19323102
A904170	0.16	4.50	0.02	0.15	1.03	78.00	0.77	14.65	61.00	1.30	RE19323102
A904171	0.12	4.00	0.08	0.24	0.80	72.00	0.21	14.65	62.00	2.40	RE19323102
A904172	0.13	6.40	0.06	0.13	0.65	49.00	0.23	12.65	49.00	2.40	RE19323102
A904173	0.47	7.90	0.05	0.19	0.88	75.00	-0.05	17.70	65.00	1.30	RE19323102
A904174	0.52	10.60	0.03	0.16	1.14	78.00	0.09	18.10	56.00	1.80	RE19323102
A904175	0.15	7.70	0.14	0.16	0.76	81.00	-0.05	13.80	67.00	3.20	RE19323102
A904176	0.23	7.90	0.11	0.11	0.83	82.00	-0.05	13.85	63.00	1.40	RE19323102
A904177	0.21	5.80	0.11	0.16	0.75	76.00	0.09	8.57	65.00	1.90	RE19323102
A904178	0.10	5.60	0.11	0.27	0.90	69.00	0.08	7.91	76.00	1.80	RE19323102
A904179	0.09	6.10	0.07	0.14	1.19	49.00	0.05	7.73	73.00	1.50	RE19323102
A904180	-0.01	0.40	-0.01	-0.02	0.06	2.00	-0.05	0.23	2.00	0.50	RE19323102
A904181	0.07	7.50	0.14	0.17	0.98	84.00	0.05	5.58	94.00	0.90	RE19323102
A904182	0.06	8.80	0.12	0.30	1.14	58.00	0.06	7.09	78.00	1.90	RE19323102
A904183	0.27	6.90	0.04	0.09	0.81	76.00	0.06	8.59	84.00	2.60	RE19323102
A904184	0.16	5.00	0.07	0.21	0.92	58.00	0.13	11.25	76.00	1.80	RE19323102
A904185	0.08	7.80	0.07	0.18	1.58	70.00	0.05	8.16	127.00	1.40	RE19323102
A904186	0.06	9.20	0.07	0.32	1.17	72.00	0.09	14.35	77.00	2.00	RE19323102
A904187	0.29	6.20	0.09	0.20	0.90	80.00	0.45	13.30	96.00	1.10	RE19323102
A904188	0.18	6.70	0.07	0.17	1.08	60.00	0.36	8.91	67.00	1.10	RE19323102
A904189	0.24	4.80	0.08	0.24	0.91	62.00	0.19	10.60	68.00	1.00	RE19323102
A904190	0.16	4.70	0.04	0.18	0.74	56.00	0.97	10.55	52.00	1.40	RE19323102
A904191	0.18	10.80	0.07	0.13	1.16	58.00	0.15	18.70	99.00	0.90	RE19323102
A904192	0.57	7.20	0.02	0.14	0.78	62.00	0.24	14.00	59.00	1.90	RE19323102
A904193	0.45	4.50	0.05	0.17	1.05	95.00	0.31	19.10	73.00	2.60	RE19323102
A904194	0.28	6.40	0.05	0.18	1.09	80.00	0.11	15.65	60.00	3.80	RE19323102
A904195	0.38	5.30	0.08	0.23	0.90	70.00	0.13	14.45	75.00	1.70	RE19323102
A904196	0.37	9.40	0.06	0.21	1.17	89.00	-0.05	22.60	85.00	1.80	RE19323102
A904197	0.24	7.50	0.06	0.13	0.77	66.00	0.05	17.60	50.00	2.30	RE19323102
A904198	0.23	5.00	0.11	0.25	0.70	54.00	0.05	8.38	53.00	2.90	RE19323102

Sample_ID	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Job Number
A904199	0.10	6.30	0.07	0.07	1.31	71.00	0.05	6.88	74.00	1.20	RE19323102
A904200	0.22	9.40	-0.01	0.45	1.06	19.00	0.14	10.45	122.00	9.90	RE19323102
A904201	0.18	6.00	0.04	0.14	1.25	60.00	0.14	11.50	72.00	2.00	RE19323102
A904202	0.14	6.90	0.06	0.20	1.50	57.00	0.26	13.30	93.00	1.60	RE19323102
A904203	0.12	7.60	0.06	0.22	1.06	58.00	0.15	11.35	71.00	2.00	RE19323102
A904204	0.09	8.50	0.03	0.09	1.21	47.00	0.09	12.70	97.00	0.90	RE19323102
A904205	0.10	4.80	0.01	0.15	0.93	49.00	1.48	11.50	53.00	1.70	RE19323102
A904206	0.15	6.90	0.06	0.18	0.90	59.00	0.48	10.95	68.00	1.30	RE19323102
A904207	0.05	3.20	0.23	0.10	1.37	123.00	0.06	23.40	89.00	5.40	RE19323102
A904208	0.30	3.80	0.03	0.19	1.31	61.00	0.11	16.60	83.00	2.10	RE19323102
A904209	0.13	8.80	0.01	0.08	0.88	55.00	0.12	13.60	82.00	2.90	RE19323102
A904210	0.35	3.00	0.06	0.14	0.48	110.00	0.13	10.80	200.00	2.00	RE19323102
A904211	0.68	5.50	0.05	0.20	1.29	69.00	0.12	16.15	75.00	2.60	RE19323102
A904212	0.38	6.40	0.04	0.22	1.50	63.00	0.13	16.20	66.00	4.40	RE19323102
A904213	3.40	1.50	0.04	0.21	1.00	98.00	0.21	14.25	117.00	1.00	RE19323102
A904214	0.29	5.40	0.06	0.15	1.00	66.00	0.19	12.50	60.00	1.70	RE19323102
A904215	0.53	9.00	0.11	0.30	1.75	67.00	-0.05	16.95	105.00	0.60	RE19323102
A904216	0.31	11.60	0.02	0.08	1.40	67.00	-0.05	9.74	101.00	2.20	RE19323102
A904217	0.33	8.30	0.03	0.09	1.39	64.00	0.05	11.85	70.00	1.90	RE19323102
A904218	0.79	3.10	0.10	0.15	1.22	78.00	0.06	13.45	94.00	2.00	RE19323102
A904219	0.24	6.50	0.03	0.16	1.20	63.00	0.07	14.80	67.00	2.70	RE19323102
A904220	-0.01	0.40	-0.01	-0.02	0.07	1.00	-0.05	0.23	2.00	0.50	RE19323102
A904221	0.12	9.20	0.01	0.08	1.78	57.00	0.06	15.95	85.00	0.80	RE19323102
A904222	0.63	5.40	0.02	0.13	1.37	59.00	0.10	15.40	72.00	2.40	RE19323102
A904223	0.06	7.10	0.05	0.04	0.97	68.00	-0.05	7.21	74.00	1.40	RE19323102
A904224	0.27	2.10	0.01	0.05	1.10	86.00	0.05	14.75	73.00	1.50	RE19323102
A904225	0.17	7.00	0.08	0.17	1.42	65.00	0.09	14.20	60.00	1.20	RE19323102
A904226	0.15	6.70	0.07	0.19	0.97	65.00	0.27	13.35	72.00	1.10	RE19323102
A904227	0.09	2.50	0.03	0.19	1.12	48.00	0.38	12.75	58.00	0.80	RE19323102
A904228	0.06	3.90	0.02	0.17	1.33	45.00	0.71	10.40	48.00	1.50	RE19323102
A904229	0.15	2.60	0.01	0.14	0.86	75.00	0.17	11.55	70.00	2.90	RE19323102
A904230	0.14	7.10	0.07	0.21	1.11	80.00	0.06	14.70	67.00	5.10	RE19323102
A904231	0.35	2.70	0.07	0.24	0.91	79.00	0.07	11.40	90.00	2.20	RE19323102

Sample_ID	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Job Number
A904232	0.29	7.00	0.02	0.18	1.38	59.00	0.11	16.15	73.00	2.60	RE19323102
A904233	0.43	6.60	0.04	0.16	1.09	68.00	0.12	12.20	78.00	2.40	RE19323102
A904234	0.21	4.40	0.05	0.09	1.71	89.00	0.16	6.83	45.00	0.80	RE19323102
A904235	0.51	5.00	0.03	0.18	1.19	64.00	0.05	11.65	59.00	2.40	RE19323102
A904236	0.54	4.60	0.02	0.12	0.92	67.00	-0.05	12.40	54.00	2.30	RE19323102
A904237	0.35	4.00	0.05	0.14	1.06	60.00	0.07	10.95	54.00	1.50	RE19323102
A904238	0.63	5.10	-0.01	0.05	1.79	44.00	0.09	23.10	36.00	0.70	RE19323102
A904239	0.37	3.80	0.04	0.06	0.84	66.00	-0.05	7.92	83.00	1.20	RE19323102
A904240	0.22	9.30	-0.01	0.45	1.05	19.00	0.14	10.10	123.00	10.30	RE19323102
A904241	0.08	5.10	0.09	0.09	1.04	62.00	-0.05	6.93	69.00	1.20	RE19323102
A904242	0.27	4.20	0.02	0.13	0.92	69.00	0.12	13.45	68.00	1.30	RE19323102
A904243	0.11	6.10	0.04	0.23	1.26	51.00	0.16	14.50	59.00	1.60	RE19323102
A904244	0.18	5.20	0.02	0.22	1.38	68.00	0.07	14.80	67.00	4.20	RE19323102
A904245	0.10	4.20	0.02	0.18	1.62	58.00	0.10	14.05	56.00	1.70	RE19323102
A904246	0.10	5.40	0.04	0.24	1.76	67.00	0.07	13.35	68.00	2.60	RE19323102
A904247	0.13	3.00	0.01	0.16	1.04	58.00	0.24	11.40	76.00	1.80	RE19323102
A904248	0.09	3.70	-0.01	0.05	1.09	35.00	0.87	5.30	37.00	1.30	RE19323102
A904249	0.09	6.50	0.02	0.10	1.08	52.00	0.11	11.00	75.00	2.40	RE19323102
A904250	0.38	5.70	0.03	0.07	1.09	58.00	0.12	11.40	122.00	2.70	RE19323102
A904251	0.32	4.40	0.04	0.11	0.88	46.00	0.12	10.70	85.00	1.90	RE19323102
A904252	0.17	4.50	0.06	0.13	1.45	76.00	0.08	9.53	66.00	1.50	RE19323102
A904253	0.42	4.60	0.03	0.18	1.66	66.00	0.05	13.15	83.00	2.80	RE19323102
A904254	0.43	3.90	0.04	0.15	0.97	67.00	0.07	10.55	63.00	1.30	RE19323102
A904255	0.51	3.70	0.03	0.10	0.78	72.00	0.05	10.50	59.00	1.40	RE19323102
A904256	0.40	3.70	0.04	0.06	0.89	71.00	-0.05	8.55	67.00	1.20	RE19323102
A904257	1.42	6.50	-0.01	0.04	0.94	55.00	-0.05	18.00	95.00	2.20	RE19323102
A904258	0.16	3.50	0.13	0.20	0.66	76.00	0.05	9.96	78.00	1.60	RE19323102
A904259	0.56	8.70	0.07	0.17	1.26	65.00	0.05	12.20	84.00	2.00	RE19323102
A904260	-0.01	0.50	-0.01	-0.02	0.07	2.00	-0.05	0.24	2.00	0.50	RE19323102
A904261	0.23	7.40	0.05	0.17	1.55	59.00	-0.05	11.50	59.00	1.80	RE19323102
A904262	0.23	6.70	0.03	0.07	1.56	60.00	-0.05	14.55	65.00	1.10	RE19323102
A904263	0.14	6.40	0.05	0.18	1.55	58.00	0.06	16.85	75.00	1.90	RE19323102
A904264	0.08	9.20	0.01	0.17	1.31	50.00	0.07	16.65	51.00	2.50	RE19323102

Sample_ID	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Job Number
A904265	0.04	5.30	0.04	0.25	1.41	58.00	-0.05	18.70	74.00	2.10	RE19323102
A904266	0.08	4.50	0.05	0.25	1.54	54.00	0.08	18.90	95.00	2.90	RE19323102
A904267	0.07	4.50	0.06	0.26	1.35	45.00	0.13	13.10	69.00	1.40	RE19323102
A904268	0.19	2.50	0.01	0.23	2.15	35.00	0.41	4.80	34.00	-0.50	RE19323102
A904269	0.06	9.20	0.03	0.23	1.59	31.00	0.22	11.25	52.00	3.30	RE19323102
A904270	0.08	3.40	0.05	0.22	0.95	33.00	0.13	10.80	71.00	1.50	RE19323102
A904271	0.05	5.10	0.06	0.21	1.00	37.00	0.13	12.20	70.00	2.10	RE19323102
A904272	0.06	4.60	0.05	0.22	1.00	39.00	0.15	13.10	59.00	1.90	RE19323102
A904273	0.23	3.80	0.05	0.12	1.05	58.00	0.09	10.50	88.00	1.10	RE19323102
A904274	0.32	4.10	0.06	0.10	0.89	65.00	0.09	7.72	100.00	0.90	RE19323102
A904275	0.28	4.80	0.05	0.14	0.85	61.00	0.07	10.05	75.00	1.70	RE19323102
A904276	0.56	3.10	0.03	0.10	0.73	65.00	0.06	9.53	54.00	1.80	RE19323102
A904277	0.64	4.20	0.01	0.08	0.75	62.00	-0.05	11.20	57.00	2.10	RE19323102
A904278	0.38	5.10	-0.01	0.05	1.14	58.00	-0.05	12.25	49.00	2.10	RE19323102
A904279	1.25	2.90	-0.01	0.03	0.39	34.00	-0.05	11.00	33.00	1.40	RE19323102
A904280	-0.01	0.40	-0.01	-0.02	0.07	2.00	-0.05	0.25	2.00	0.50	RE19323102
A904281	0.50	3.10	0.15	0.17	0.78	113.00	-0.05	14.40	139.00	1.40	RE19323109
A904282	0.22	3.30	0.10	0.10	0.98	82.00	-0.05	6.34	128.00	1.80	RE19323109
A904283	0.25	4.80	0.11	0.19	1.22	85.00	-0.05	10.25	95.00	1.40	RE19323109
A904284	0.05	13.40	0.03	0.15	0.79	34.00	0.12	11.10	45.00	1.50	RE19323109
A904285	0.38	6.40	0.02	0.18	1.22	64.00	0.06	15.50	84.00	2.70	RE19323109
A904286	0.10	6.90	0.05	0.26	1.44	49.00	0.09	18.15	52.00	2.20	RE19323109
A904287	0.15	3.90	0.05	0.09	0.91	147.00	0.43	7.68	44.00	1.00	RE19323109
A904288	0.23	2.20	0.17	0.17	0.90	76.00	0.07	9.88	106.00	0.60	RE19323109
A904289	0.34	4.20	0.06	0.09	0.82	82.00	0.06	7.33	55.00	0.70	RE19323109
A904290	0.12	8.90	0.01	0.07	1.62	65.00	-0.05	19.35	63.00	-0.50	RE19323109
A904291	0.47	4.70	0.08	0.22	1.34	90.00	0.05	13.95	88.00	1.30	RE19323109
A904292	0.20	5.30	0.07	0.12	0.79	104.00	-0.05	10.20	75.00	1.10	RE19323109
A904293	0.02	8.30	0.06	0.12	1.59	81.00	-0.05	17.25	86.00	0.70	RE19323109
A904294	0.06	2.70	0.09	0.11	0.62	97.00	-0.05	9.50	53.00	0.90	RE19323109
A904295	0.18	3.90	0.03	0.17	1.14	59.00	0.06	12.75	55.00	2.90	RE19323109
A904296	0.19	4.00	0.05	0.10	1.08	81.00	0.08	7.49	50.00	1.10	RE19323109
A904297	0.13	4.30	0.07	0.13	1.00	75.00	0.09	9.18	68.00	1.10	RE19323109

Sample_ID	Te_ppm	Th_ppm	Ti_%	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	Job Number
A904298	0.12	7.90	0.09	0.16	1.33	70.00	0.07	11.90	53.00	1.10	RE19323109
A904299	0.02	9.60	0.05	0.08	1.05	44.00	-0.05	16.50	54.00	1.20	RE19323109
A904300	0.24	10.10	-0.01	0.49	1.14	20.00	0.12	11.00	126.00	7.40	RE19323109
A904301	0.06	8.40	0.05	0.21	0.99	32.00	0.13	14.95	61.00	2.50	RE19323109
A904302	0.15	4.40	0.17	0.21	0.89	93.00	-0.05	12.15	79.00	1.90	RE19323109
A904303	0.23	5.50	0.10	0.21	1.01	96.00	0.05	12.50	135.00	1.00	RE19323109
A904304	0.72	1.10	0.07	0.12	0.22	81.00	-0.05	6.55	64.00	0.50	RE19323109
A904305	0.18	1.10	0.04	0.03	0.21	104.00	0.06	5.20	39.00	1.30	RE19323109
A904306	0.11	4.20	0.05	0.15	1.05	57.00	0.08	10.35	62.00	1.10	RE19323109
A904307	0.22	2.50	0.02	0.08	0.49	68.00	0.05	6.98	49.00	1.80	RE19323109
A904308	0.09	2.20	0.10	0.20	0.53	108.00	0.05	10.80	51.00	1.30	RE19323109
A904309	0.27	8.20	0.05	0.13	1.28	70.00	0.05	10.75	77.00	1.10	RE19323109
A904310	0.14	12.60	0.06	0.10	1.71	66.00	-0.05	11.10	53.00	1.10	RE19323109
A904311	0.16	5.60	-0.01	0.02	1.17	26.00	-0.05	2.79	22.00	1.40	RE19323109
A904312	0.10	3.60	0.04	0.16	1.01	66.00	0.08	8.88	52.00	1.40	RE19323109
A904313	0.11	7.10	0.01	0.08	0.73	32.00	0.07	8.84	51.00	1.80	RE19323109
A904314	0.19	6.50	0.03	0.10	1.61	56.00	-0.05	12.45	53.00	1.10	RE19323109
A904315	0.26	5.80	0.01	0.11	1.01	49.00	-0.05	12.95	49.00	0.90	RE19323109
A904316	0.11	3.70	0.12	0.32	1.03	64.00	0.05	8.58	72.00	1.10	RE19323109
A904317	0.02	5.70	0.11	0.17	0.76	80.00	-0.05	12.80	82.00	1.60	RE19323109
A904318	0.14	8.50	0.01	0.07	1.12	53.00	-0.05	10.55	54.00	2.30	RE19323109
A904319	0.64	9.50	0.04	0.09	1.93	81.00	-0.05	15.15	97.00	1.30	RE19323109
A904320	-0.01	0.50	-0.01	-0.02	0.07	2.00	-0.05	0.24	2.00	0.50	RE19323109
A904321	0.09	6.30	0.07	0.07	1.34	73.00	-0.05	6.71	78.00	0.90	RE19323109
A904322	0.35	5.20	0.03	0.08	1.04	56.00	0.12	10.85	115.00	2.70	RE19323109
A904323	0.02	9.70	0.05	0.08	1.09	45.00	-0.05	17.35	54.00	1.10	RE19323109
A904324	0.36	5.60	0.03	0.11	0.85	81.00	0.07	15.95	79.00	1.40	RE19323109

34.0 Appendix 5 Fall 2019 Surface rock sample results

Sample_ID	UTM_X	UTM_Y	Au_ppm_FA	Ag_ppm	Al_%	As_ppm	B_ppm	Ba_ppm	Be_ppm	Bi_ppm	Ca_%
A0904325	350769.6517	3816724.038	0.008	0.13	7.98	40.9		790	1.17	0.08	0.47
A0904326	350875.2521	3817047.261	-0.001	0.08	9.04	11.8		490	1.56	0.05	0.39
A0904327	350876.116	3817097.254	-0.001	0.01	2.24	1.8		80	0.17	0.01	0.17
A0904328	350884.9306	3816728.796	-0.001	0.01	0.19	3.2		70	-0.05	0.01	0.09
A0904329	351069.175	3816693.858	0.003	0.02	8.98	3.8		640	1.02	0.06	0.16
A0904330	350771.7152	3816869.167	0.001	0.01	1.24	1.4		40	0.1	0.02	0.12
A0904331	351076.5179	3817118.8	0.001	0.07	8.12	6.1		420	1.1	0.14	0.44
A0904332	351168.7281	3816667.134	0.012	0.22	5.03	31.4		220	1.44	0.14	0.34
A0904333	351170.4559	3816767.119	0.034	0.08	7.6	10.1		2470	0.94	0.11	0.32
A0904334	351171.3198	3816817.112	0.111	0.04	1.39	4		420	0.27	0.04	0.06
A0904335	351778.1414	3817206.685	0.006	0.06	8.84	2.7		950	1.23	0.05	1.55
A0904336	351576.4435	3817110.156	-0.001	0.04	0.07	1.8		30	-0.05	0.02	0.03
A0904337	351880.2862	3817329.939	-0.001	0.02	6.95	0.5		3890	0.56	0.05	0.1
A0904338	351073.0624	3816918.83	-0.001	0.13	0.26	2		70	-0.05	0.13	0.03
1426313	352009	3816440	0.03	0.12	0.5	5.3	-10	90	0.21	0.25	0.61
1426328	351534	3816873	0.005	0.33	0.39	10.4	-10	720	0.3	0.28	0.07
1426329	351377	3816966	0.05	0.55	0.81	1	-10	150	0.25	0.47	0.13
1426330	351388	3816968	41.9	8.34	0.5	10.2	10	70	0.21	24.7	0.06
1426331	351388	3816963	37.1	5.16	0.32	9.4	-10	110	0.24	14.15	0.05
1426332	351434	3816994	0.05	0.1	0.59	4.9	-10	1060	0.19	0.19	0.06
1426333	351434	3816989	0.03	0.08	0.46	5.9	-10	530	0.17	0.22	0.05
1426334	351320	3816649	1.1	0.1	0.89	11.6	10	170	0.41	0.26	0.39
1426335	351187	3816682	0.01	0.07	0.49	4.5	-10	160	0.14	0.19	0.09
1426336	351276	3816709	0.01	0.05	0.63	4.6	-10	50	0.17	0.05	0.11
1426337	350925	3817097	0.01	0.06	0.56	2.7	20	120	0.17	0.32	0.46
1426338	351266	3816716	0.12	0.12	0.75	9.7	-10	540	0.34	0.22	0.3
1426339	351540	3817112	16.75	64.2	0.92	58.1	-10	690	0.18	14.25	0.09
1426340	351559	3817087	0.43	0.87	0.17	3.6	10	80	0.06	8.47	0.06
1426342	352253	3817045	0.01	0.16	0.08	5	-10	20	0.05	0.1	0.01
1426343	352253	3817040	0.04	0.28	0.47	2.6	-10	130	0.37	0.17	0.06
1426352	351509	3816979	0.18	0.55	0.49	8.4	-10	160	0.38	0.87	0.14
1426353	351526	3816982	0.02	0.19	0.52	10	-10	420	0.27	0.35	0.07

Sample_ID	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm
A0904325	0.05	56	24.1	148	8.88	35.2	5.11	16.75	0.09	1.1	5.12	0.042
A0904326	0.12	51.1	38	226	4.86	51	7.02	18.75	0.08	1.3	1.575	0.051
A0904327	0.02	5.41	4	66	0.37	1.8	1.26	4.88	-0.05	-0.1	0.067	0.008
A0904328	0.04	1.43	2.3	55	0.19	4.6	0.56	0.5	-0.05	-0.1	0.041	0.005
A0904329	0.02	51.7	2.4	51	3.96	1.5	2.62	18.45	0.07	0.2	0.139	0.024
A0904330	-0.02	2.43	4.4	52	0.09	3.2	0.93	3	-0.05	-0.1	-0.005	0.007
A0904331	0.04	85.7	17.4	116	4.06	52.4	4.14	17.85	0.11	0.9	0.124	0.051
A0904332	0.04	43.1	15.8	147	44.4	29.1	10.2	11.6	0.07	0.8	0.645	0.038
A0904333	0.04	57.1	19.8	99	5.56	10.7	4.37	14.9	0.08	0.4	2.71	0.03
A0904334	-0.02	15.95	1.4	54	1.18	5.4	1.34	3.56	-0.05	-0.1	0.465	0.009
A0904335	0.06	64.6	9.7	39	0.63	38.3	3.23	18.1	0.1	0.4	0.022	0.019
A0904336	0.04	1.28	0.5	40	0.06	6.4	0.48	0.24	-0.05	-0.1	0.008	-0.005
A0904337	0.03	12.45	0.9	17	0.4	7.8	0.73	9.77	0.05	0.1	0.005	0.007
A0904338	-0.02	1.8	1.5	55	0.1	15.6	0.59	0.7	-0.05	-0.1	0.005	-0.005
1426313	0.47	21.1	3.8	15	0.09	284	1.13	1.81	-0.05	0.03	0.02	0.043
1426328	0.09	42	9.9	13	0.84	99.8	3.2	1.43	0.05	0.02	6.87	0.018
1426329	0.05	56.1	31.3	38	0.82	131.5	2.58	2.49	0.06	-0.02	0.05	0.01
1426330	0.04	81.5	44	52	1.54	189.5	13	4.45	0.12	0.02	12.35	0.085
1426331	0.03	26	30.6	60	1.39	181.5	11.75	2.93	0.05	-0.02	6.93	0.02
1426332	0.04	36.3	7.8	14	1.49	10.9	1.33	1.88	-0.05	0.02	11.55	0.015
1426333	0.03	41.6	7.3	14	1.96	10.2	1.93	1.72	-0.05	0.02	6.85	0.021
1426334	0.04	74.4	6.1	89	11.25	12.1	3.82	4.68	0.14	0.11	0.83	0.029
1426335	0.03	51.8	1.4	12	2.07	5.6	1.04	1.82	0.05	0.02	6.25	0.006
1426336	0.01	44.4	3.4	14	1.84	9.7	1.76	2.01	0.06	0.02	1.02	0.008
1426337	0.03	94	7.1	42	2.79	15.5	1.42	2.38	0.14	0.04	13.45	0.013
1426338	0.04	32.7	8.9	65	51.4	34.2	3.07	4.32	0.07	0.06	336	0.023
1426339	0.04	45.3	11.3	40	1.51	456	5.11	8.68	0.13	0.04	20.1	0.064
1426340	0.04	14	38.1	12	0.55	21.9	4.16	0.75	-0.05	-0.02	4.7	0.017
1426342	0.04	1.38	2	17	0.15	13.1	1.99	0.37	-0.05	-0.02	1.28	0
1426343	0.03	44.4	5.4	8	0.09	31	3.98	1.25	-0.05	0.02	0.2	0
1426352	0.05	67.9	20.6	58	1.95	19.6	5.14	2.22	0.09	0.03	4.04	0.022
1426353	0.03	58.5	4.1	8	1.29	8.7	2.44	1.75	0.05	-0.02	3.53	0.018

Sample_ID	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm	Ni_ppm	P_ppm	Pb_ppm	Rb_ppm
A0904325	1.16	31.4	48.7	0.14	718	2.52	0.05	11.7	59.8	1560	13.6	28.8
A0904326	1.41	28.3	33.4	0.25	752	1.35	0.04	10.4	113.5	1330	17.1	41.2
A0904327	0.06	2	3.2	0.65	157	2.05	0.22	0.2	29	110	1.3	1.9
A0904328	0.03	0.7	2	0.02	91	3.12	0.02	0.2	3.7	40	1.6	0.9
A0904329	1.65	22.4	46.2	0.19	42	1.51	0.04	6.1	11.9	790	5.9	47.2
A0904330	0.05	0.9	2.5	0.32	74	2.91	0.11	0.1	10.3	30	0.9	1.1
A0904331	0.64	37.7	52.3	0.26	603	1.01	0.1	4.6	80.7	1750	8.5	12.5
A0904332	0.53	26.3	64.9	0.3	201	2.44	0.03	7.5	51	1240	16.1	37.7
A0904333	2.33	29.3	50.8	0.13	1000	3.23	0.06	6.8	63.4	1170	8.4	38.3
A0904334	0.55	9.5	11.9	0.05	219	2.96	0.03	0.5	4.6	60	2	14
A0904335	2.4	27.5	20.1	1.21	672	0.97	3.07	6.1	30.1	1240	8.1	57
A0904336	0.02	0.5	2.2	0.01	69	2.23	0.02	0.1	1.9	20	2.4	0.5
A0904337	4.46	8	5.8	0.08	69	0.95	2.21	0.7	3.4	120	7	54.8
A0904338	0.11	0.9	1.3	0.03	86	3.14	0.05	0.1	2.3	20	2.1	2.9
1426313	0.2	13.3	1.5	0.11	204	106	0.01	-0.05	9.2	2570	9.7	5.3
1426328	0.09	21.7	2.2	0.03	265	1.98	0.02	-0.05	27.7	300	39.9	3.7
1426329	0.25	34.8	3.9	0.29	505	1.14	0.03	-0.05	23.7	610	8.4	7.3
1426330	0.26	43.8	1.7	0.06	217	2.86	0.07	-0.05	69.9	930	54.1	7.2
1426331	0.23	14.8	0.8	0.05	152	2.86	0.07	-0.05	63.1	860	52	5.3
1426332	0.11	17.8	3.3	0.02	236	0.74	0.02	-0.05	13.9	420	6.2	4.9
1426333	0.07	21.6	1.9	0.02	236	1.15	0.01	0.05	17.8	410	7.2	3.4
1426334	0.24	33.8	4	0.17	147	0.88	0.01	0.23	21.8	1790	9.5	14.5
1426335	0.13	26.4	2.7	0.04	91	0.61	0.01	0.06	2.3	420	4.5	7
1426336	0.09	22.3	2.6	0.04	63	0.83	0	0.06	9.3	430	5.3	3.5
1426337	0.16	42.6	2.3	0.13	326	0.74	0.01	0.1	32.8	1990	5.4	5.7
1426338	0.23	18	4.5	0.17	259	1	0.02	0.1	29.6	990	8.2	23.8
1426339	0.11	25.8	4.3	0.03	244	1.96	0.02	-0.05	20	580	20.7	4.7
1426340	0.06	6.4	0.6	0.03	470	0.65	0.01	-0.05	23.9	170	7.5	2.6
1426342	0.03	0.6	0.3	0	63	22.8	0.01	-0.05	8.4	330	22.5	0.5
1426343	0.23	21.3	0.8	0.03	44	2.38	0.04	-0.05	11.4	710	2.9	3.6
1426352	0.12	28.5	2.4	0.03	296	4.32	0.02	-0.05	58.9	1140	16.2	5.2
1426353	0.2	31	2.4	0.04	368	4.17	0.02	-0.05	14.8	410	4.5	6

Sample_ID	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_%	Tl_ppm
A0904325	-0.002	0.06	62.6	13	-1	0.7	87.8	0.54	0.11	5.13	0.533	0.17
A0904326	-0.002	0.01	94	18.9	-1	0.7	72.5	0.48	-0.05	4.94	0.586	0.23
A0904327	-0.002	0.01	4.17	4.2	-1	0.3	281	-0.05	-0.05	0.23	0.048	0.02
A0904328	-0.002	0.01	1.09	0.4	-1	0.2	9.2	-0.05	-0.05	0.09	0.007	0.02
A0904329	-0.002	-0.01	30.1	6.5	-1	0.6	40.4	0.47	-0.05	7.58	0.233	0.25
A0904330	-0.002	0.01	0.28	1.2	-1	-0.2	97.5	-0.05	-0.05	0.09	0.023	0.02
A0904331	-0.002	0.01	14.75	15.1	-1	0.7	65.6	0.24	0.07	4.68	0.486	0.09
A0904332	-0.002	0.01	192.5	11.1	-1	0.5	53	0.34	-0.05	2.69	0.413	0.27
A0904333	-0.002	0.02	39.4	11	-1	0.5	176.5	0.39	0.08	4.75	0.376	0.23
A0904334	-0.002	-0.01	15.5	1.1	-1	-0.2	29.2	-0.05	-0.05	0.63	0.026	0.07
A0904335	-0.002	0.01	0.42	8.1	-1	0.8	735	0.39	0.05	5.31	0.32	0.36
A0904336	0.002	0.02	0.28	0.2	-1	-0.2	11.5	-0.05	-0.05	0.06	-0.005	-0.02
A0904337	-0.002	0.01	0.16	0.6	-1	0.2	422	-0.05	0.06	2.78	0.03	0.36
A0904338	-0.002	-0.01	0.25	0.3	-1	0.2	9	-0.05	0.08	0.09	0.005	0.02
1426313	-0.001	0.04	0.08	3.3	-0.2	-0.2	26.7	-0.01	0.28	9.4	-0.005	0.04
1426328	0.001	0.11	6.76	3.2	0.6	-0.2	39.5	-0.01	0.15	1.8	-0.005	0.03
1426329	-0.001	0.1	0.23	2.4	0.2	-0.2	46.4	-0.01	0.31	4.8	-0.005	0.05
1426330	-0.001	0.28	17.8	12.5	3.3	0.4	179.5	-0.01	18.35	3.4	-0.005	0.06
1426331	-0.001	0.29	20	6.4	2.8	-0.2	97.4	-0.01	10.25	1.7	-0.005	0.03
1426332	-0.001	0.04	2.53	3	0.2	0.2	32.5	-0.01	0.19	2.2	-0.005	0.04
1426333	-0.001	0.02	4.02	3.6	0.2	0.2	18.7	-0.01	0.19	2.6	-0.005	0.03
1426334	-0.001	0.02	44.6	6.1	-0.2	0.5	23.7	-0.01	0.16	2	0.043	0.11
1426335	-0.001	0.01	13.65	1.1	0.2	-0.2	12.8	-0.01	0.12	2.9	0.007	0.05
1426336	-0.001	0	10.5	2.1	-0.2	0.2	7.4	-0.01	0.02	2.2	0.01	0.03
1426337	-0.001	0.01	8.07	3.6	0.2	0.2	32	-0.01	0.07	4.6	0.015	0.04
1426338	-0.001	0.02	16.45	7.8	0.2	0.3	21.1	-0.01	0.19	1.3	0.02	0.19
1426339	0.001	0.1	89.2	3.4	36.2	-0.2	62.3	-0.01	11.6	3.8	-0.005	0.06
1426340	-0.001	1.58	2.5	4.1	3.3	-0.2	9.8	-0.01	2.63	0.5	-0.005	0.04
1426342	0.081	0.2	0.2	0.6	5.2	-0.2	52.9	-0.01	0.14	0.2	-0.005	0
1426343	0.001	0.17	0.23	1.1	1.3	-0.2	116.5	-0.01	0.47	3.2	-0.005	0.03
1426352	0.007	0.76	6.38	9.4	1.1	0.2	58.5	-0.01	1.06	1.3	-0.005	0.04
1426353	0.001	0.11	2.52	3.8	0.9	-0.2	29	-0.01	0.47	4.3	-0.005	0.08

Sample_ID	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	sampler
A0904325	2.5	123	14.3	15	77	37.9	AM
A0904326	2.1	176	52.9	16.5	94	42.7	AM
A0904327	0.1	41	0.3	0.7	14	1.9	AM
A0904328	0.1	3	0.2	0.4	6	0.8	AM
A0904329	1.3	65	9.1	5.5	19	3.8	AM
A0904330	0.1	25	0.1	0.2	10	-0.5	AM
A0904331	2.1	151	2.6	15	59	29.2	AM
A0904332	3.5	165	85.1	25	47	23.9	AM
A0904333	1.7	93	9.4	10.3	72	13.5	AM
A0904334	0.4	21	7.5	2.1	6	1.2	AM
A0904335	1.7	74	0.5	8.4	99	13	BG
A0904336	0.2	2	0.1	0.3	7	-0.5	BG
A0904337	0.5	14	0.3	1.4	5	3.3	BG
A0904338	-0.1	3	0.1	0.4	3	-0.5	BG
1426313	0.95	23	0.08	4.33	190	0.9	MF
1426328	4.99	25	0.97	6.53	61	0.7	MF
1426329	1.6	20	0.12	5.94	45	-0.5	MF
1426330	5.83	58	2.1	10.8	134	0.5	MF
1426331	3.22	49	0.83	5.16	158	-0.5	MF
1426332	1.28	16	0.65	3.69	19	0.5	MF
1426333	1.63	22	1.62	4.44	28	0.6	MF
1426334	1.45	69	9.88	6.52	20	1.8	MF
1426335	0.6	17	8.73	4.64	5	0.5	MF
1426336	0.77	30	7.68	4.84	15	0.5	MF
1426337	1.55	23	1.45	10.85	25	1.1	MF
1426338	1.08	58	10.25	7.63	35	1.2	MF
1426339	2.44	25	0.39	5.33	22	0.8	MF
1426340	0.62	26	0.57	2.43	44	-0.5	MF
1426342	1.01	3	0.08	0.38	15	-0.5	MF
1426343	2.92	7	0	3.68	34	0.5	MF
1426352	8.08	50	0.87	9.89	57	0.6	MF
1426353	2.62	25	0.62	4.99	31	-0.5	MF

Sample_ID	Comments
A0904325	Quartz tourmalie vein float
A0904326	Quartz Tourmaline Vein Float
A0904327	Quartz Tourmaline Vein float
A0904328	Massive glassy quartz vein strike 235 dip 35
A0904329	Altered, silicified fine grained intrusive (volcanic?)
A0904330	Quartz Tourmaline vein in massive granite
A0904331	Quartz Tourmaline vein float
A0904332	weak argillic - silicfied fine grained intrusive
A0904333	silicified / vein float
A0904334	vein float
A0904335	quartz vein float at soil pit
A0904336	Massive white quartz
A0904337	weak argillic / oxidized propylitic intrusive strong FeOx stain
A0904338	Quartz tourmaline vein float
1426313	Dump grab on highly leached w FeOx also on dump, minor copper conglomerate + schisty qtz/tourm; schist clay w qtz xstals and oxidized sulphides; dur
1426328	0.9m wide vein, n70w/80s, brecciated texture, highly silicified structure, fine grain dissem. sulphides, some bull qtz w limonite fracture fill, trace schist,
1426329	mcnary mine, 1.1m sample across n65e structure at entry of incline; just below tie down, layered fine-grain intrusives, thin schist, silicified granitoid (gn
1426330	1m wide continuous chip across primary working vein on roof pillar and some side qz/tourm; this zone sits alongside the massive 2' wide qtz/tourm vein
1426331	across S-side of last, 3m cont chip, true width 1m, qtz/tourm veins layered w shear zone clay/gouge (smooth micaceous); some qtz/tourm veins w qtz x
1426332	n-half of silicified rib, trends n30w, same description as next, 3.2m
1426333	chip sample across s-half of mineralized rib; highly silicified w zones of qtz veining and sulphides
1426334	1.3m wide qtz vein; qtz w some tourm, local sulphides, gossaneous red outcrop, n50w/85n
1426335	5m wide silicified structure, collective chip, trend n10-20w/vert
1426336	silicified rib zone about 25-30' wide; sampled 3 QVs across 1.3m; same silicified bx w FeOx, minor working goes in 15', fault planes curving in and out of
1426337	small adit, 2.7m chip across 3 diff qtz/tourm veins up to 1" wide, trending n70w/80e-vert
1426338	select grab, upper working on structure behind mcnary shaft; silicified green BX w qtz, calcite, FeOx cavities; breccia is angular and matrix supported (er
1426339	lower mcnary adit dump; red, silicified Bx w FeOx, select grab
1426340	select grab on qtz/tourm vein w pyrite and other oxidized sulphides
1426342	Select grab on dump from XL Cinnabar Mine; tiny cut on QV and contact w Tonalite, QV up to 1m wide; this bag QV w 1-2% sulphides, pyrite and other
1426343	2 of 2 here; this bag is Toanlite host, cooked and fractured, some vugs w sulphides to oxide
1426352	mineralized QV structure to the east of McNary; n50-70w/70n; 20' pit on the FW of Silicified Rib, Select grab on dump
1426353	Leached and cooked Qtz Tonalite, highly leached feldspars, some local silicified veins w oxidized sulphides, approx n60w, FeOx stained fracture, some lir

Sample_ID					
A0904325					
A0904326					
A0904327					
A0904328					
A0904329					
A0904330					
A0904331					
A0904332					
A0904333					
A0904334					
A0904335					
A0904336					
A0904337					
A0904338					
1426313	) along road between goldhill and mcnary				
1426328	salt in local float				
1426329	ss?) w qtz/tourm; along s face of working structure				
1426330					
1426331	ls to 2cm and local sulphides, highly oxidized				
1426332					
1426333					
1426334					
1426335					
1426336	ach other here, vertical slicks; trend n40w/80n				
1426337					
1426338	otive/epithermal?)				
1426339					
1426340					
1426342					
1426343					
1426352					
1426353	onite and hematite				

35.0 Appendix 6 Fall 2019 Underground rock sample results

Sample_ID	UTMX_n83z12	UTMY_n83z12	Au_FA_ppm	Ag_ppm	Al_%	As_ppm	Au_ppm_icp	B_ppm	Ba_ppm	Be_ppm	Bi_ppm
1624614	351527	3817061	0.05	0.24	2.8	2.4	0.03	-10	400	0.32	0.37
1624615	351529	3817059	0.07	0.07	3.89	4.3	0.03	-10	380	0.46	0.31
1624616	351525	3817056	0.01	0.09	2.25	1.8	-0.02	-10	150	0.37	0.13
1624617	351525	3817054	0.07	3.51	3.15	7	0.03	-10	290	0.42	0.48
1624618	351523	3817055	0.02	0.14	3.74	3	0.02	-10	260	0.51	0.64
1624619	351522	3817054	0.02	0.12	1.98	23	0.02	-10	270	0.54	0.28
1624620	351521	3817052	0.02	0.13	2.37	5.3	0.02	-10	230	0.52	0.18
1624621	351522	3817051	0.01	0.12	1.85	4.7	-0.02	-10	190	0.45	0.2
1624622	351519	3817050	0.03	0.12	1.27	2.7	0.17	-10	40	0.27	0.29
1624623	351517	3817047	0.01	0.09	1.11	2.1	-0.02	-10	60	0.26	0.07
1624624	351516	3817045	0.01	0.08	2.88	1.9	-0.02	-10	350	0.33	0.06
1624625	351514	3817042	0.02	0.1	2.53	2	-0.02	-10	40	0.29	0.16
1624626	351514	3817041	0.03	0.1	2.3	8	0.03	-10	70	0.45	0.1
1624627	351514	3817040	-0.01	0.07	1.35	1.3	-0.02	-10	70	0.28	0.09
1624628	351515	3817039	0.01	0.17	1.84	2	-0.02	-10	50	0.34	0.12
1624629	351515	3817038	0.01	0.09	2.9	1.8	-0.02	-10	330	0.41	0.18
1624630	351515	3817038	0.01	0.08	1.27	1.9	-0.02	-10	60	0.31	0.07
1624632	351515	3817037	0.01	0.06	1.27	2.3	-0.02	-10	50	0.31	0.09
1624633	351517	3817036	0.03	0.22	2.75	1.4	0.03	-10	120	0.34	0.26
1624634	351518	3817034	0.14	0.18	1.25	1.5	0.11	-10	60	0.24	0.2
1624635	351517	3817032	0.01	0.11	2.04	1.3	-0.02	-10	120	0.31	0.13
1624636	351518	3817031	0.01	0.19	3.69	1.2	-0.02	-10	230	0.43	0.34
1624637	351515	3817025	0.01	0.09	1.74	1.7	-0.02	-10	240	0.23	0.13
1624638	351518	3817022	0.01	0.06	3.19	25.1	-0.02	-10	570	0.87	0.05
1624639	351515	3817019	0.04	0.14	2.06	72.7	0.04	-10	590	0.63	0.2
1624640	351514	3817016	0.01	0.07	1.61	42	-0.02	-10	180	0.59	0.15
1624641	351513	3817014	0.67	0.37	0.61	56.1	0.45	-10	470	0.25	1.07
1624642	351512	3817013	0.07	0.27	0.87	22.2	0.05	-10	620	0.28	0.48
1624643	351512	3817011	0.07	0.32	0.63	36.4	0.07	-10	530	0.27	0.47
1624644	351511	3817009	0.11	0.19	0.59	6.1	0.1	-10	270	0.23	0.25
1624645	351510	3817005	0.05	0.26	0.63	4.8	0.05	-10	220	0.18	0.21
1624646	351510	3817003	0.02	0.05	0.82	3.7	0.02	-10	490	0.23	0.1
1624647	351509	3817002	0.03	0.17	0.84	5.7	0.02	-10	240	0.19	0.23

Sample_ID	UTMX_n83z12	UTMY_n83z12	Au_FA_ppm	Ag_ppm	Al_%	As_ppm	Au_ppm_icp	B_ppm	Ba_ppm	Be_ppm	Bi_ppm
1624648	351510	3817000	0.5	0.73	0.7	21.3	0.46	10	10	0.28	86.3
1624649	351504	3816998	0.05	0.19	1.55	3.9	0.04	10	140	0.79	0.84
1624650	351496	3816998	0.13	0.52	2.09	5.9	0.12	-10	140	0.81	1.16
1624652	351492	3816992	0.01	0.1	0.97	3.2	-0.02	-10	150	0.26	0.36
1624653	351492	3816990	0.02	0.11	0.64	2.8	0.02	-10	110	0.4	0.15
1624654	351490	3816978	0.04	0.13	1.27	21	-0.02	-10	800	0.48	0.14
1624655	351484	3816989	0.03	0.16	1.2	27.9	0.03	10	130	0.35	0.44
1624656	351482	3816988	0.06	0.11	0.54	5.8	0.03	10	160	0.22	0.22
1624657	351480	3816987	0.07	0.19	1.45	22.7	0.05	10	130	1.09	0.32
1624658	351474	3816984	0.16	13.95	0.55	19.8	0.1	10	250	0.2	0.27
1624659	351469	3816982	0.06	0.14	1.15	2.6	0.1	-10	300	0.33	0.42
1624660	351464	3816982	0.11	0.28	1.39	5.6	0.09	10	630	0.51	0.65
1624661	351457	3816980	0.03	0.07	1.22	4	0.02	10	330	0.36	0.24
1624662	351459	3816976	0.29	1.17	1.2	6.5	0.16	-10	130	0.34	2.58
1624663	351453	3816980	0.07	0.33	0.61	3.6	0.03	20	120	0.3	0.78
1624664	351453	3816977	0.05	0.24	0.75	2.5	0.06	10	220	0.37	0.31
1624665	351418	3816976	0.02	0.12	0.4	4.9	-0.02	30	250	0.13	0.17
1624666	351417	3816978	0.04	0.08	1.21	3.8	0.03	10	280	0.25	0.4

Sample_ID	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm
1624614	2.57	0.04	42.5	26.6	140	4.28	67.4	4.48	11.05	0.1	0.1	0.18
1624615	3.72	0.07	35	24.5	43	10.25	47.3	5.83	12.2	0.1	0.16	4.06
1624616	4.09	0.08	74.3	24.9	124	4.77	23.3	4.45	10.3	0.11	0.08	0.6
1624617	4.55	0.07	54.5	22.1	24	4.96	2000	4.75	10.95	0.11	0.28	4.75
1624618	3.83	0.04	55.3	48.2	76	10.25	26	6.13	13.8	0.13	0.06	4.62
1624619	2	0.03	55	39.2	53	9.49	26.7	4.98	8.68	0.07	0.09	5.82
1624620	2.22	0.05	30.1	30	68	8	17.5	5.18	9.6	0.09	0.2	4.1
1624621	1.45	0.09	44.3	28	76	5.85	28.5	3.77	8.75	0.09	0.08	5.42
1624622	1.8	0.03	70.1	20.2	19	2.51	40.8	2.71	6.11	0.08	0.03	0.48
1624623	1.08	0.05	48.8	12.1	17	3.47	27.3	2.01	5.81	0.06	0.03	2.58
1624624	2.22	0.04	24.4	18.6	212	3.99	21.2	3.96	9.24	0.09	0.07	0.63
1624625	2.56	0.06	14.65	24.5	213	3.33	117	3.48	8.08	0.09	0.06	1.5
1624626	2.85	0.06	49.1	19.1	27	3.09	122.5	4.58	7.46	0.13	0.46	2.13
1624627	1.63	0.03	26.8	11.1	44	2.27	12.4	2.27	6.45	0.05	0.05	1.76
1624628	2.34	0.04	22.6	15.3	178	4.19	89.1	2.72	6.87	0.06	0.07	1.38
1624629	3.47	0.04	39.9	29.1	124	5.86	17.1	3.82	9.43	0.09	0.06	1.16
1624630	1.25	0.03	52.1	9.1	21	2.98	26.9	2.06	6.36	0.07	0.03	1.33
1624632	1.06	0.03	57.2	9.8	17	2.56	36.3	2.05	6.2	0.06	0.03	1.05
1624633	3.83	0.06	19.45	44.1	160	6.92	109	4.41	8.25	0.07	0.04	0.89
1624634	1.03	0.05	49	8.4	16	2.05	13.4	2.05	6.07	0.06	0.03	2.73
1624635	2.28	0.04	28.2	24.4	104	4	40.6	3.53	7.83	0.07	0.04	1.51
1624636	3.64	0.08	13.95	40.3	179	10.25	87.4	4.73	9.33	0.07	0.07	1.94
1624637	1.87	0.02	37	18.2	132	4.72	35.6	2.55	6.04	0.05	0.03	0.63
1624638	1.28	0.18	96.7	42.2	38	4.95	67.7	9.86	9.14	0.19	0.06	0.74
1624639	0.77	0.12	47.2	39.3	57	10.35	47.5	6.45	6.31	0.11	0.21	1.46
1624640	0.71	0.13	74.1	31.6	45	8.44	32.3	3.41	5.32	0.09	0.23	0.75
1624641	0.18	0.04	40.5	18.5	24	3.24	77.6	2.79	2.13	0.06	0.02	7.21
1624642	0.35	0.05	45	19.6	126	7.77	64.7	3.49	3.47	0.12	0.04	7.49
1624643	0.26	0.09	24.1	26.7	49	4.56	86.5	5.65	2.45	0.07	0.04	9.71
1624644	0.89	0.07	36	10.8	11	5.01	32.9	2.17	2.08	0.06	0.02	25.7
1624645	0.67	0.06	58.5	10.1	8	3.14	12.3	2.16	2.22	0.08	-0.02	2.74
1624646	1.85	0.11	58	8.1	12	4.61	9	2.43	2.74	0.08	0.02	2.21
1624647	0.16	0.05	45.4	10.5	10	1.53	19.3	2.42	2.37	0.07	-0.02	4.47

Sample_ID	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm
1624648	0.31	0.05	29.4	2110	122	6.48	66.5	15.05	2.76	0.18	0.02	49.8
1624649	5.63	0.09	69.8	36.6	313	25.3	55	5.84	6.15	0.15	0.07	1.09
1624650	3.58	0.14	48.1	75.3	208	24.7	97.8	7.12	7.51	0.13	0.09	28.5
1624652	0.62	0.05	69	10.7	24	5.24	20.8	2.47	3.64	0.1	0.03	7.45
1624653	0.27	0.08	48.3	10.1	11	3.38	9.7	2.84	2.38	0.07	0.02	3.7
1624654	0.85	0.08	56.2	17.8	22	4.51	27.6	3.71	3.85	0.1	0.12	5.62
1624655	0.39	0.07	44.5	23.8	129	7.21	62.4	5.39	4.52	0.11	0.02	4.45
1624656	0.39	0.04	29.4	13.1	91	4.03	6.5	3.2	2.2	0.07	0.02	3.07
1624657	1.87	0.11	79.9	31.7	311	18.85	110	8.83	5.53	0.2	0.08	4.11
1624658	0.19	0.12	41.3	35.8	37	1.52	2000	2.98	2.03	0.07	-0.02	84
1624659	0.82	0.1	63.9	22.9	49	5.88	31.7	3.21	4.57	0.09	0.03	2.74
1624660	0.43	0.13	48.8	35.6	215	9.3	33.8	7.66	5.39	0.12	0.03	4.76
1624661	1.87	0.13	63.3	19.7	281	7.14	15.6	3.81	5.33	0.13	0.03	1.51
1624662	0.76	0.09	66.5	57.7	274	9.78	40.6	6.57	5.82	0.14	0.03	12.85
1624663	4.17	0.19	43.5	13.1	42	1.47	19.4	4.96	2.61	0.1	-0.02	1.65
1624664	4.34	0.15	74.1	16.3	79	3.4	18.2	3.75	3.1	0.13	0.02	1.07
1624665	0.22	0.06	34.9	6.8	25	1.14	42.8	2.22	1.49	0.06	-0.02	18.6
1624666	0.38	0.05	55.6	38	279	13.65	35	4.87	5.46	0.12	0.04	6.1

Sample_ID	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm	Ni_ppm	P_ppm	Pb_ppm
1624614	0.017	0.78	20.6	24	2.45	849	0.29	0.06	-0.05	79.7	850	5.4
1624615	0.023	1.2	15.9	24.5	2.76	969	0.28	0.18	0.05	78.2	2090	6.3
1624616	0.013	0.73	33.3	11.5	2.84	1140	0.36	0.03	-0.05	92.5	1480	7.3
1624617	0.03	0.74	25.8	17.4	2.3	979	1.02	0.21	0.14	50.4	1850	81.1
1624618	0.017	1.29	24.7	24.9	3.3	1170	0.31	0.11	-0.05	103.5	2190	6
1624619	0.032	0.64	27.2	14.5	1.65	742	0.28	0.04	0.08	69.2	2020	7.8
1624620	0.022	0.75	14	16.3	1.9	635	0.35	0.1	0.16	50.9	1900	5.9
1624621	0.012	0.71	22.1	15	1.46	445	0.59	0.06	0.1	44.5	1010	5.6
1624622	0.025	0.11	37.5	8.8	1.19	497	0.27	0.05	-0.05	24.4	720	4.3
1624623	0.008	0.15	26.2	9	0.81	305	0.39	0.05	-0.05	14.8	730	4.4
1624624	0.01	0.96	13.7	23.3	2.28	571	0.33	0.12	0.07	93.4	950	5.5
1624625	0.009	0.16	7.6	23.3	2.23	724	0.39	0.11	0.06	90.6	810	4.4
1624626	0.027	0.12	23.6	15.3	1.58	853	0.45	0.23	0.25	23.3	1390	5
1624627	0.007	0.22	12.1	12.4	1.1	435	0.19	0.05	0.1	29	770	4.5
1624628	0.009	0.23	11.5	16.9	1.53	523	0.21	0.06	0.1	55.5	710	5.8
1624629	0.018	0.71	19.5	23.2	2.09	748	0.28	0.1	-0.05	75.1	880	4.4
1624630	0.012	0.14	29.6	10.6	0.93	296	0.18	0.06	-0.05	19.9	760	3.1
1624632	0.016	0.14	32.1	10.6	0.89	261	1.01	0.04	-0.05	17.9	790	3.1
1624633	0.019	0.53	8.9	21.5	2.33	777	0.75	0.12	-0.05	98.5	760	4.8
1624634	0.009	0.18	27.4	9.7	0.73	241	0.33	0.08	0.05	13.1	650	6.8
1624635	0.021	0.35	12.6	19.3	1.81	577	0.34	0.03	-0.05	59.8	690	3.9
1624636	0.022	0.77	6.4	24.7	2.71	800	0.95	0.15	-0.05	105.5	980	6.3
1624637	0.021	0.26	17.8	12.4	1.42	444	0.5	0.07	-0.05	58.5	670	3.3
1624638	0.055	0.1	44.3	21.2	0.75	2250	2.34	0.12	0.11	101.5	2260	5.2
1624639	0.057	0.16	23.7	14.9	0.45	1020	1.25	0.03	0.06	87.9	1770	9.5
1624640	0.027	0.29	42.5	9.5	0.4	610	0.35	0.03	0.09	54.3	1420	10.1
1624641	0.03	0.12	21	2.4	0.04	502	1.51	0.01	-0.05	32.3	720	10.7
1624642	0.051	0.31	22.5	3.4	0.26	513	1.77	0.02	-0.05	63.6	1310	13.8
1624643	0.063	0.13	12.8	2.7	0.17	615	1.87	0.01	-0.05	79.5	800	10.7
1624644	0.025	0.14	19.2	3.3	0.23	316	0.76	0.02	-0.05	17.1	730	4.6
1624645	0.016	0.16	31.2	3.6	0.2	212	0.41	0.02	-0.05	12.1	510	7.5
1624646	0.025	0.14	32.1	5	0.65	744	0.6	0.01	-0.05	16.1	620	11
1624647	0.019	0.15	24.4	4.5	0.09	372	1.04	0.01	-0.05	15.6	600	4.7

Sample_ID	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb_ppm	Ni_ppm	P_ppm	Pb_ppm
1624648	0.061	0.24	13.6	4.3	0.22	444	2.18	0.01	0.05	124	840	6.1
1624649	0.115	0.64	33.4	9.4	2.08	1510	1.21	0.02	0.07	92.4	2110	7.2
1624650	0.063	0.8	24.6	10.7	1.95	1570	0.87	0.04	-0.05	113	1750	20.2
1624652	0.039	0.35	38.8	6	0.35	472	0.88	0.02	0.08	13.7	750	5.1
1624653	0.014	0.25	24.3	2.8	0.21	622	0.64	0.03	-0.05	16.6	550	6.5
1624654	0.027	0.25	27.3	5.8	0.7	628	0.98	0.07	0.12	32.6	790	5
1624655	0.111	0.22	21.4	10.1	0.37	979	0.78	0.01	-0.05	62.3	1060	7.9
1624656	0.023	0.22	13.7	2.7	0.25	396	1.19	0.01	-0.05	24.5	650	3.7
1624657	0.106	0.41	37.1	6.2	0.81	950	1.2	0.01	-0.05	123.5	2070	11.5
1624658	0.061	0.17	21	2.6	0.18	378	0.86	0.02	-0.05	25.5	510	30.6
1624659	0.036	0.43	33.7	7.2	0.56	718	0.48	0.02	-0.05	32.2	840	7.8
1624660	0.04	0.74	24.1	5.7	0.74	2490	1.28	0.02	-0.05	98	1360	9.3
1624661	0.069	0.65	30.3	6.2	1.09	1510	0.48	0.02	-0.05	64.7	1880	10.5
1624662	0.117	0.52	32	5.7	0.63	2370	1.21	0.01	-0.05	97.4	1600	13
1624663	0.074	0.23	22.7	2.2	1.73	3030	0.69	0.02	-0.05	52.4	820	10.4
1624664	0.042	0.29	32.8	3.7	1.97	2240	0.5	0.02	-0.05	46.9	1300	10.1
1624665	0.04	0.09	18.3	1.6	0.07	393	0.96	0.02	-0.05	14.4	600	3.2
1624666	0.042	0.69	26.5	5.5	0.69	1600	1.03	0.02	-0.05	74.2	1560	4.3

Sample_ID	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_%
1624614	27.6	-0.001	0.5	0.47	15.2	1.2	0.3	199	-0.01	0.33	2.6	0.082
1624615	47.4	0.003	0.25	1.52	14.9	0.5	0.4	271	-0.01	0.23	0.9	0.186
1624616	28.7	0.004	0.24	2.35	14.8	0.4	0.4	103.5	-0.01	0.13	2.9	0.065
1624617	28.9	0.004	0.41	1.79	12.2	1.6	0.5	307	-0.01	0.22	1.5	0.183
1624618	47.5	-0.001	1.16	3.13	17.2	1.9	0.5	233	-0.01	0.84	1.3	0.132
1624619	28.8	-0.001	0.69	5.9	14	0.5	0.4	123.5	-0.01	0.58	2.4	0.088
1624620	31.9	-0.001	0.68	3.62	10.1	1.1	0.4	133.5	-0.01	0.48	2.3	0.165
1624621	25.8	0.001	0.41	3.97	7.6	1.5	0.3	106	-0.01	0.46	3.9	0.095
1624622	5.5	0.001	0.47	0.75	6.5	0.7	0.3	49.5	-0.01	0.28	4.9	0.009
1624623	6.9	-0.001	0.21	2.03	3.2	0.8	0.2	51.2	-0.01	0.16	5.4	0.016
1624624	28.5	-0.001	0.46	0.28	7.8	0.3	0.2	230	-0.01	0.15	3.3	0.165
1624625	6.6	-0.001	0.4	0.23	7.7	-0.2	0.2	129.5	-0.01	0.44	1.4	0.102
1624626	5.7	-0.001	0.17	1.46	9.4	0.3	0.5	201	-0.01	0.11	3.2	0.2
1624627	9.3	-0.001	0.17	0.33	3.2	0.3	0.2	68.2	-0.01	0.15	2.7	0.053
1624628	9	-0.001	0.3	0.18	5	0.6	0.2	87.9	-0.01	0.2	2.5	0.084
1624629	24.9	-0.001	0.47	0.42	14.7	0.6	0.3	179	-0.01	0.37	2.2	0.093
1624630	6.5	-0.001	0.13	1.34	3.9	-0.2	0.3	46.5	-0.01	0.09	4.8	0.015
1624632	7	-0.001	0.27	2.92	4.3	-0.2	0.3	38.3	-0.01	0.09	5.5	0.008
1624633	19.6	0.001	1.53	0.3	12.5	1	0.2	144	-0.01	0.71	1.8	0.075
1624634	8	-0.001	0.43	0.66	2.6	-0.2	0.3	64.8	-0.01	0.38	5.1	0.016
1624635	12	0.001	0.47	1.53	8.4	1	0.2	71.9	-0.01	0.2	2.5	0.038
1624636	26.8	0.003	1.15	0.45	15.6	0.7	0.2	232	-0.01	0.48	0.7	0.106
1624637	10.5	0.002	0.35	0.85	7.2	0.3	0.2	103.5	-0.01	0.25	3.3	0.028
1624638	7.2	0.002	0.05	7.13	16	1.2	0.8	120.5	-0.01	0.1	3.9	0.257
1624639	13	0.002	0.11	12.65	14.2	8.2	0.5	50.5	-0.01	0.3	2.2	0.078
1624640	15.7	0.003	0.11	13.6	10.2	1.7	0.5	34.2	-0.01	0.19	5.2	0.052
1624641	5.9	-0.001	0.06	15.65	5.4	0.5	0.2	25.5	-0.01	0.84	3.1	-0.005
1624642	16.6	0.002	0.17	18.9	11	0.3	0.3	35.5	-0.01	0.45	2.1	0.018
1624643	8.3	0.002	0.28	16.4	16.2	1.2	0.2	23.3	-0.01	0.8	1.3	0.005
1624644	7.5	0.003	0.3	14.55	5	0.2	0.2	19.2	-0.01	0.27	3.7	0.006
1624645	8	0.009	0.78	5.39	3.5	0.8	0.2	17	-0.01	0.34	3.5	-0.005
1624646	7.6	0.003	0.31	2.59	5.3	-0.2	0.2	48.7	-0.01	0.13	3.7	-0.005
1624647	6.2	0.003	0.79	5.84	3.9	0.2	-0.2	12.7	-0.01	0.33	3.4	-0.005

Sample_ID	Rb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_%
1624648	12.9	0.002	10	32	11.7	21.4	0.2	13.2	-0.01	47.2	1.2	0.011
1624649	34.5	0.001	1.78	6.65	20	1	0.4	133	-0.01	1.31	2.4	0.021
1624650	42.1	0.003	1.85	14.6	22.4	2	0.5	83.8	-0.01	2.29	2.3	0.041
1624652	14.1	0.003	0.49	8.74	4.8	0.6	0.3	18.8	-0.01	0.35	5.4	0.018
1624653	10	0.005	0.52	6.42	4.3	0.3	0.2	12.8	-0.01	0.2	4.8	0.006
1624654	10.3	0.019	0.33	12.9	6.3	-0.2	0.3	61	-0.01	0.11	5.3	0.047
1624655	11	0.003	0.59	15.15	12.6	0.6	0.3	22.4	-0.01	0.58	2.9	0.006
1624656	9.3	0.001	0.51	4.38	4.7	0.5	-0.2	15.1	-0.01	0.41	1.8	0.011
1624657	23.6	0.001	0.57	53.7	27.2	1.4	0.4	43.5	-0.01	0.73	3.4	0.023
1624658	7.6	0.002	0.65	135.5	5.8	0.5	0.2	14.4	-0.01	1.02	2.5	0.009
1624659	21.4	0.003	0.82	5.48	8	0.6	0.3	23.2	-0.01	0.77	4.4	0.021
1624660	26.9	0.003	0.3	7.12	12	1.3	0.3	28	-0.01	1.43	4.2	0.051
1624661	24.5	0.001	0.7	5.09	12.8	0.5	0.3	37.7	-0.01	0.42	5.1	0.044
1624662	22.5	0.002	1.24	14.35	19.6	2.5	0.3	29.3	-0.01	2.4	3.6	0.033
1624663	10.2	0.001	1.07	4.81	6.2	3.3	0.2	42.9	-0.01	0.47	2.4	0.007
1624664	12.3	0.001	0.67	1.61	6.5	0.3	0.2	55	-0.01	0.43	3.6	0.012
1624665	3.7	-0.001	0.21	16.25	3.3	0.5	0.2	21.7	-0.01	0.23	2.8	0.005
1624666	27.9	0.001	0.61	6.72	13.5	0.6	0.3	36.3	-0.01	0.62	2.9	0.039

Sample_ID	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	type	width	azimuth	dip
1624614	0.22	0.49	79	-0.05	8	89	1.7	chip	1.3	75	55
1624615	0.33	0.3	109	0.14	12.35	93	5.6	chip	1.7	95	80
1624616	0.19	0.79	95	0.25	14	98	2	chip	1.7	0	0
1624617	0.18	0.51	114	0.07	12.65	90	9.4	chip	1.8	0	0
1624618	0.36	0.72	120	0.22	13.75	107	1.1	chip	1.4	0	0
1624619	0.37	0.78	87	0.6	10.55	84	2.9	chip	1	0	0
1624620	0.25	0.74	95	0.31	9.43	72	5.4	chip	1.4	0	0
1624621	0.17	1.09	64	0.21	7.67	59	1.9	chip	1.5	0	0
1624622	0.04	0.72	36	0.08	7.82	43	0.5	chip	1.3	0	0
1624623	0.04	0.91	30	0.14	4.81	41	-0.5	chip	1.3	40	30
1624624	0.15	0.58	80	0.13	4.2	76	1.7	chip	0.7	0	0
1624625	0.05	0.36	66	0.16	4.03	79	1.3	chip	0.6	0	0
1624626	0.05	0.74	103	0.05	11.55	69	14.9	chip	1.4	70	60
1624627	0.05	0.67	36	0.1	3.98	46	0.7	chip	1.2	0	0
1624628	0.06	0.79	49	0.08	4.42	54	1.6	chip	1.5	0	0
1624629	0.13	0.72	93	0.08	11.45	70	1.2	chip	1.3	0	0
1624630	0.03	0.76	31	0.12	4.84	37	-0.5	chip	1	0	0
1624632	0.04	0.83	31	0.13	4.4	34	-0.5	chip	1.3	0	0
1624633	0.13	0.97	81	0.1	8.05	68	1.2	chip	2.2	80	75
1624634	0.05	0.75	27	0.06	4.02	31	-0.5	chip	1.6	0	0
1624635	0.08	0.79	56	0.11	6.86	59	0.8	chip	2.4	0	0
1624636	0.17	0.47	101	0.08	8.29	74	1.9	chip	2.5	0	0
1624637	0.07	0.76	43	0.08	5.44	44	0.7	chip	1.2	50	55
1624638	0.64	2.87	153	0.07	25.5	122	5.3	chip	1.9	0	0
1624639	0.53	1.86	93	0.59	12.4	93	7.6	chip	2	0	0
1624640	0.36	2.65	70	0.83	11.3	60	7.7	chip	3.1	0	0
1624641	0.08	1.9	23	1.51	4.55	39	-0.5	chip	2.4	0	0
1624642	0.16	2.48	55	2.26	5.45	61	0.8	chip	2.4	0	0
1624643	0.08	2.2	72	2.28	5.74	84	0.6	chip	2.4	0	0
1624644	0.06	1.34	24	1.38	3.92	31	-0.5	chip	2.1	0	0
1624645	0.05	3.97	19	1.56	5.6	25	-0.5	chip	1.4	310	55
1624646	0.05	4.14	28	0.75	6.34	45	-0.5	chip	1.7	0	0
1624647	0.06	4.38	21	0.45	3.87	33	-0.5	chip	1.2	0	0

Sample_ID	Tl_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm	type	width	azimuth	dip
1624648	0.09	1.38	56	4.37	4.35	78	0.6	chip	1.6	240	75
1624649	0.23	1.94	106	0.34	14.1	111	1.5	chip	1.1	0	0
1624650	0.29	1.01	117	1.31	14.2	124	1.8	chip	1.1	0	0
1624652	0.08	1.29	30	1.07	5.34	31	-0.5	chip	1.6	100	90
1624653	0.07	2.14	21	1.15	6.51	41	-0.5	chip	1.5	0	0
1624654	0.16	2.05	45	1.71	9.59	68	3.5	chip	1.5	115	85
1624655	0.13	1.58	58	8.87	6.58	79	0.5	chip	1.9	160	65
1624656	0.06	0.58	23	1.27	3.46	44	-0.5	chip	2.3	0	0
1624657	0.17	1.28	113	7.93	15.15	168	1.4	chip	2.2	0	0
1624658	0.05	2.38	28	1.17	4.19	57	-0.5	chip	1.1	0	0
1624659	0.14	2.26	51	1.38	6.81	64	-0.5	chip	1.1	0	0
1624660	0.2	2.36	62	1.35	8.17	190	0.7	chip	1.4	0	0
1624661	0.15	2.06	64	1.18	9.51	85	0.7	chip	1.2	0	0
1624662	0.2	2.49	81	1.23	8.32	123	0.6	chip	0.9	100	90
1624663	0.07	2.93	51	1.43	11.45	101	-0.5	chip	1.1	0	0
1624664	0.08	2.3	36	0.38	14.9	96	0.6	chip	1.7	0	0
1624665	0.02	1.32	20	2.24	3.85	35	-0.5	chip	1.8	100	90
1624666	0.22	1.85	59	2.47	6.77	78	0.8	chip	1.2	0	0

Sample_ID	description
1624614	at 12m in from zero measure; 1.3m tw chip across n75e/55n shear
1624615	1.7m tw across FG black dike in shear material w local sulphides, n85w/80n
1624616	1.7 m chip
1624617	1.8m chip
1624618	1.4m chip across black slate?/FG dike w Qtz stockwork and sulphides 3-5%; starts at 19m mark
1624619	1.0m chip on high alt and FeOx veinlets, CG Felsic intrusive
1624620	1.4m chip across FG black dike/slate? W 2-3% pyr-chalco
1624621	1.5m chip across roof, wrapped around collapse at 20m mark
1624622	1.3m chip at 33-35m mark
1624623	1.3m chip scross intrusive host and flat lying FG dike, n40e/30n
1624624	0.7m chip
1624625	0.6m chip across dike/shear w 2-5% pyr+chalco
1624626	1.4m chip FG dike w local sulphide, n70e/60n
1624627	1.2m chip, continuous from here for a bit, mineralized but not solide structure
1624628	1.5m
1624629	1.3m
1624630	1.0m
1624632	1.3m tw chip includes a 10cm shear vein; at 38m mark
1624633	switch to other side; 2.2m chip containing 30cm shear/qtz-tourm vein w sulphides, n80e/75n
1624634	1.6m chip w minor qtz veinlets
1624635	2.4m chip across CG intrusive and FG black dike w qtz sulphide veins on its margin
1624636	2.5m
1624637	1.2m chip across shear zone w pyr + chalco, n50e/55n, at52m mark
1624638	1.9m chip across top of small drift
1624639	2.0m chip, first of line along wall through breccia
1624640	3.1m
1624641	2.4m
1624642	2.4m
1624643	2.4m
1624644	2.1m, end of line
1624645	1.4m chip at 76m mark, structure at n50w/55sw; first of line
1624646	1.7m through low alt FW w qtz stringer veins
1624647	1.2m footwall to vein

Sample_ID	description
1624648	1.6 tw across qtz-tourm vein w shear zone mylonite clay, local sulphide blebs to 12inches and mainly pyrite but local chalco; n60e/75se at 8(
1624649	1.1m chip across roof, shear and qv at 83m mark
1624650	1.1m over FG black dike/shear zonealong HW to qtz-tourm vein at 88m mark
1624652	1.6m at turn into drift in HW to vein, sulphide shear vein at n80w
1624653	1.5m chip next to last, at 5m into n10e drift
1624654	at 14m down drift, 1.5m chip across n65w/vert-85n FG dike and some qtz-tourm vein
1624655	1.9m chip from FG dike contact and into qtz-tourm vein at 102m mark; FG dike is 2m wide n20w/65ne; start of line
1624656	2.3m, not tw
1624657	2.2m on massive qtz-tourm vein, not tw, end of 3 at 109m mark
1624658	1.1m across roof at 118m mark
1624659	1.1m across roof at 125m mark
1624660	1.4m chip from top-down, all vein and shear, at 128m mark
1624661	1.2m
1624662	0.9m across qtz-tourm vein w shear n80e
1624663	1.1m
1624664	1.7m,at back of tunnel
1624665	1.8m tw on east side of next; in cross-cut, 10m from bottom of shaft, vein is 3m wide; quartz-tourm vein w minor shear material and local di
1624666	1.2m chip across roof of working drift, qtz-tourm vein and shear

Sample_ID		
1624614		
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1624662		
1624663		
1624664		
1624665	es, maybe vg	
1624666		

36.0 Appendix 7 Fall 2019 TerraSpec results

Sample_ID	FeatureType	UTM_X	UTM_y
1624606	Underground rock		
1624607	Underground rock		
1624608	Underground rock		
1624609	Underground rock		
1624610	Underground rock		
1624611	Underground rock		
1624612	Underground rock		
1624613	Underground rock		
1624614	Underground rock	351527.2406	3817060.788
1624615	Underground rock	351528.6259	3817058.879
1624616	Underground rock	351524.8658	3817055.579
1624617	Underground rock	351524.9978	3817054.27
1624618	Underground rock	351522.8291	3817054.53
1624619	Underground rock	351521.5757	3817053.54
1624620	Underground rock	351520.7182	3817051.96
1624621	Underground rock	351521.6417	3817051.1
1624622	Underground rock	351519.4648	3817049.981
1624623	Underground rock	351517.0323	3817047.091
1624624	Underground rock	351515.7789	3817044.852
1624625	Underground rock	351513.8082	3817041.882
1624626	Underground rock	351514.2699	3817040.632
1624627	Underground rock	351514.4678	3817039.583
1624628	Underground rock	351514.7234	3817039.053
1624629	Underground rock	351514.7894	3817038.133
1624630	Underground rock	351514.5255	3817037.533
1624631	Underground rock	349808.9056	3817602.478
1624632	Underground rock	351514.5915	3817036.813
1624633	Underground rock	351517.3621	3817035.693
1624634	Underground rock	351517.692	3817033.914
1624635	Underground rock	351517.2302	3817032.464
1624636	Underground rock	351517.7579	3817031.084
1624637	Underground rock	351515.0533	3817024.626
1624638	Underground rock	351517.8899	3817021.926

Sample_ID	aiMineral2	aiMineral3
1624606	White mica:70+Kaolinite:25+Jarosite:5	White mica
1624607	Kaolinite:85+White mica:15	Kaolinite
1624608	White mica:55+Kaolinite:35+Chlorite:5+Carbonate:5	White mica
1624609	White mica:45+Kaolinite:35+Chlorite:20	White mica
1624610	Kaolinite:70+Jarosite:30	Kaolinite
1624611	Montmorillonite:85+Nontronite:10+Kaolinite:5	Montmorillonite
1624612	Kaolinite	Kaolinite
1624613	Kaolinite	Kaolinite
1624614	Montmorillonite:70+Kaolinite:10+Chlorite:10+Carbonate:10	Montmorillonite
1624615	Montmorillonite:45+Kaolinite:30+Biotite:10+White mica:5+Chlorite:5+Carbonate:5	Montmorillonite
1624616	Kaolinite:55+White mica:20+Carbonate:10+Biotite:10+Chlorite:5	Kaolinite
1624617	Kaolinite:35+Chlorite:25+White mica:20+Montmorillonite:15+Carbonate:5	Kaolinite
1624618	Kaolinite:40+Montmorillonite:30+Biotite:15+White mica:5+Chlorite:5+Carbonate:5	Kaolinite
1624619	Kaolinite:65+White mica:25+Chlorite:5+Carbonate:5	Kaolinite
1624620	Montmorillonite:65+Kaolinite:15+Chlorite:15+Biotite:5	Montmorillonite
1624621	Montmorillonite:75+Carbonate:10+Biotite:10+Chlorite:5	Montmorillonite
1624622	Montmorillonite:40+Kaolinite:25+White mica:10+Chlorite:10+Carbonate:10+Biotite:5	Montmorillonite
1624623	Montmorillonite:35+White mica:25+Kaolinite:20+Chlorite:15+Carbonate:5	Montmorillonite
1624624	White mica:35+Chlorite:30+Amphibole:20+Biotite:15	White mica
1624625	Chlorite:35+White mica:30+Amphibole:25+Carbonate:10	Chlorite
1624626	Montmorillonite:70+Chlorite:20+Nontronite:5+Amphibole:5	Montmorillonite
1624627	White mica:50+Chlorite:30+Carbonate:20	White mica
1624628	White mica:30+Carbonate:20+Biotite:15+Amphibole:15+Chlorite:10+Montmorillonite:10	White mica
1624629	Montmorillonite:55+Kaolinite:20+Carbonate:10+Biotite:10+Chlorite:5	Montmorillonite
1624630	White mica:45+Kaolinite:25+Chlorite:20+Carbonate:10	White mica
1624631	White mica:30+Montmorillonite:30+Chlorite:20+Carbonate:15+Kaolinite:5	Montmorillonite
1624632	Kaolinite:45+White mica:35+Biotite:10+Chlorite:5+Carbonate:5	Kaolinite
1624633	Montmorillonite:70+Chlorite:10+Carbonate:10+Biotite:10	Montmorillonite
1624634	White mica:50+Kaolinite:20+Chlorite:20+Carbonate:10	White mica
1624635	Montmorillonite:45+Biotite:20+Kaolinite:15+Carbonate:15+Chlorite:5	Montmorillonite
1624636	Montmorillonite:40+Kaolinite:20+Amphibole:20+Biotite:15+Chlorite:5	Montmorillonite
1624637	Montmorillonite:45+Kaolinite:20+Carbonate:10+Biotite:10+Amphibole:10+Chlorite:5	Montmorillonite
1624638	Nontronite:45+Kaolinite:35+Montmorillonite:20	Nontronite

Sample_ID	aiMineral4	aiMineral5	aiMineral6	VNIRMineral:	Reflectance	QaQc_Reflect
1624606	Kaolinite	Jarosite				Hematite+Jarosite
1624607	White mica					Goethite+Hematite
1624608	Kaolinite	Carbonate	Chlorite			Goethite+Hematite
1624609	Kaolinite	Chlorite				Chlorite
1624610	Jarosite					Goethite
1624611	Nontronite	Kaolinite				Hematite
1624612						Hematite
1624613						Hematite
1624614	Carbonate	Chlorite	Kaolinite			Chlorite
1624615	Kaolinite	Biotite	Carbonate	Chlorite	White mica	Chlorite
1624616	White mica	Biotite	Carbonate	Chlorite		Chlorite
1624617	Chlorite	White mica	Montmorillonite	Carbonate		Chlorite
1624618	Montmorillonite	Biotite	Carbonate	Chlorite	White mica	Chlorite
1624619	White mica	Carbonate	Chlorite			Chlorite
1624620	Chlorite	Kaolinite	Biotite			Chlorite
1624621	Biotite	Carbonate	Chlorite			Chlorite
1624622	Kaolinite	Carbonate	Chlorite	White mica	Biotite	Chlorite
1624623	White mica	Kaolinite	Chlorite	Carbonate		Chlorite
1624624	Chlorite	Amphibole	Biotite			Chlorite
1624625	White mica	Amphibole	Carbonate			Chlorite
1624626	Chlorite	Amphibole	Nontronite			Novnir
1624627	Chlorite	Carbonate				Chlorite
1624628	Carbonate	Amphibole	Biotite	Chlorite	Montmorillonite	Chlorite
1624629	Kaolinite	Biotite	Carbonate	Chlorite		Chlorite
1624630	Kaolinite	Chlorite	Carbonate			Chlorite
1624631	White mica	Chlorite	Carbonate	Kaolinite		Chlorite
1624632	White mica	Biotite	Carbonate	Chlorite		Chlorite
1624633	Biotite	Carbonate	Chlorite			Chlorite
1624634	Chlorite	Kaolinite	Carbonate			Chlorite
1624635	Biotite	Carbonate	Kaolinite	Chlorite		Chlorite
1624636	Amphibole	Kaolinite	Biotite	Chlorite		Chlorite
1624637	Kaolinite	Amphibole	Biotite	Carbonate	Chlorite	Amphibole+Amphibole+Chlorite
1624638	Kaolinite	Montmorillonite				Goethite+Hematite

Sample_ID	FeatureType	UTM_X	UTM_y
1624639	Underground rock	351514.5255	3817018.897
1624640	Underground rock	351513.9401	3817015.867
1624641	Underground rock	351513.2804	3817014.428
1624642	Underground rock	351512.4888	3817012.648
1624643	Underground rock	351511.7632	3817010.539
1624644	Underground rock	351511.4334	3817008.699
1624645	Underground rock	351509.9161	3817004.68
1624646	Underground rock	351509.6605	3817003.03
1624647	Underground rock	351509.4626	3817001.98
1624648	Underground rock	351509.5945	3817000.331
1624649	Underground rock	351503.6658	3816998.291
1624650	Underground rock	351496.4177	3816997.701
1624651	Underground rock	349831.8126	3817603.038
1624652	Underground rock	351492.336	3816991.702
1624653	Underground rock	351492.27	3816989.733
1624654	Underground rock	351490.4889	3816978.135
1624655	Underground rock	351484.1066	3816988.943
1624656	Underground rock	351481.8638	3816987.883
1624657	Underground rock	351479.7611	3816987.163
1624658	Underground rock	351474.0302	3816984.334
1624659	Underground rock	351468.959	3816982.094
1624660	Underground rock	351464.2177	3816981.824
1624661	Underground rock	351457.4973	3816979.525
1624662	Underground rock	351459.0805	3816976.495
1624663	Underground rock	351453.3496	3816980.115
1624664	Underground rock	351453.2837	3816977.285
1624665	Underground rock	351417.5874	3816976.026
1624666	Underground rock	351416.7381	3816977.735
A0904001	soil	350767.06	3816574.06
A0904002	soil	350767.9239	3816624.053
A0904003	soil	350768.7878	3816674.045
A0904004	soil	350769.6517	3816724.038
A0904005	soil	350770.5156	3816774.03

Sample_ID	aiMineral2	aiMineral3
1624639	Kaolinite:45+Nontronite:30+Montmorillonite:25	Kaolinite
1624640	Montmorillonite:50+Kaolinite:40+Nontronite:10	Montmorillonite
1624641	Kaolinite	Kaolinite
1624642	Kaolinite	Kaolinite
1624643	Kaolinite	Kaolinite
1624644	Kaolinite	Kaolinite
1624645	Kaolinite	Kaolinite
1624646	Kaolinite	Kaolinite
1624647	Kaolinite	Kaolinite
1624648	Kaolinite	Kaolinite
1624649	Kaolinite	Kaolinite
1624650	Kaolinite:80+White mica:10+Chlorite:10	Kaolinite
1624651	White mica:60+Chlorite:40	White mica
1624652	Kaolinite:90+White mica:10	Kaolinite
1624653	Kaolinite:80+White mica:20	Kaolinite
1624654	Kaolinite:75+White mica:25	Kaolinite
1624655	Kaolinite:80+White mica:10+Tourmaline:10	Kaolinite
1624656	Kaolinite	Kaolinite
1624657	Kaolinite	Kaolinite
1624658	Kaolinite:75+White mica:15+Tourmaline:10	Kaolinite
1624659	Kaolinite:90+White mica:10	Kaolinite
1624660	Kaolinite:75+White mica:20+Chlorite:5	Kaolinite
1624661	Kaolinite:60+White mica:30+Chlorite:5+Carbonate:5	Kaolinite
1624662	Kaolinite	Kaolinite
1624663	Kaolinite:50+White mica:35+Tourmaline:10+Carbonate:5	Kaolinite
1624664	Kaolinite:65+White mica:20+Chlorite:5+Carbonate:5+Tourmaline:5	Kaolinite
1624665	Kaolinite:65+Tourmaline:20+White mica:15	Kaolinite
1624666	Kaolinite:90+Chlorite:10	Kaolinite
A0904001	Montmorillonite:40+White mica:20+Chlorite:15+Kaolinite:15+Carbonate:10	Montmorillonite
A0904002	Nontronite:35+Montmorillonite:30+Chlorite:20+Kaolinite:15	Nontronite
A0904003	Montmorillonite:35+White mica:35+Kaolinite:30	Montmorillonite
A0904004	Kaolinite:65+Montmorillonite:35	Kaolinite
A0904005	Montmorillonite:65+Kaolinite:15+Carbonate:15+Chlorite:5	Montmorillonite

Sample_ID	aiMineral4	aiMineral5	aiMineral6	VNIRMineral	Reflectance	QaQc_Reflect
1624639	Nontronite	Montmorillonite				Goethite+Hematite
1624640	Kaolinite	Nontronite				Goethite+Hematite
1624641						Goethite+Hematite
1624642						Goethite+Hematite
1624643						Goethite
1624644						Goethite+Hematite
1624645						Hematite+Jarosite
1624646						Novnir
1624647						Goethite+Hematite
1624648						Goethite+Hematite
1624649						Novnir
1624650	Chlorite	White mica				Goethite
1624651	Chlorite					Hematite
1624652	White mica					Hematite
1624653	White mica					Goethite+Hematite
1624654	White mica					Hematite
1624655	Tourmaline	White mica				Novnir
1624656						Goethite+Hematite
1624657						Goethite+Hematite
1624658	White mica	Tourmaline				Tourmaline+Tourmaline
1624659	White mica					Chlorite+Hematite
1624660	White mica	Chlorite				Goethite
1624661	White mica	Carbonate	Chlorite			Novnir
1624662						Goethite
1624663	White mica	Tourmaline	Carbonate			Tourmaline+Tourmaline
1624664	White mica	Carbonate	Chlorite	Tourmaline		Novnir
1624665	Tourmaline	White mica				Tourmaline+Tourmaline
1624666	Chlorite					Chlorite
A0904001	White mica	Chlorite	Kaolinite	Carbonate		Goethite+Hematite
A0904002	Montmorillonite	Chlorite	Kaolinite			Goethite
A0904003	White mica	Kaolinite				Hematite
A0904004	Montmorillonite					Goethite+Hematite
A0904005	Carbonate	Kaolinite	Chlorite			Goethite+Hematite

Sample_ID	FeatureType	UTM_X	UTM_y
A0904006	soil	350771.3795	3816824.023
A0904007	soil	350772.2434	3816874.015
A0904008	soil	350773.1073	3816924.008
A0904009	soil	350773.9712	3816974
A0904010	soil	350774.8351	3817023.993
A0904011	soil	350775.699	3817073.985
A0904012	soil	350776.5629	3817123.978
A0904013	soil	350867.477	3816597.328
A0904014	soil	350868.3409	3816647.321
A0904015	soil	350869.2048	3816697.314
A0904016	soil	350870.0687	3816747.306
A0904017	soil	350870.9326	3816797.299
A0904018	soil	350871.7965	3816847.291
A0904019	soil	350872.6604	3816897.284
A0904021	soil	350873.5243	3816947.276
A0904022	soil	350874.3882	3816997.269
A0904023	soil	350875.2521	3817047.261
A0904024	soil	350876.116	3817097.254
A0904025	soil	350967.0301	3816570.604
A0904026	soil	350967.894	3816620.597
A0904027	soil	350968.7579	3816670.589
A0904028	soil	350969.6218	3816720.582
A0904029	soil	350970.4857	3816770.575
A0904030	soil	350971.3496	3816820.567
A0904031	soil	350972.2135	3816870.56
A0904032	soil	350973.0774	3816920.552
A0904033	soil	350973.9413	3816970.545
A0904034	soil	350974.8052	3817020.537
A0904035	soil	350975.6691	3817070.53
A0904036	soil	350976.533	3817120.522
A0904037	soil	351067.4472	3816593.873
A0904038	soil	351068.3111	3816643.865
A0904039	soil	351069.175	3816693.858

Sample_ID	aiMineral2	aiMineral3
A0904006	Nontronite:40+Montmorillonite:35+Amphibole:15+Chlorite:10	Nontronite
A0904007	Kaolinite:45+White mica:40+Chlorite:10+Carbonate:5	Kaolinite
A0904008	Montmorillonite:50+Epidote:20+Kaolinite:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904009	Montmorillonite:50+Epidote:20+White mica:15+Chlorite:5+Kaolinite:5+Carbonate:5	Montmorillonite
A0904010	Montmorillonite:55+Epidote:20+Carbonate:10+Chlorite:5+Kaolinite:5+White mica:5	Montmorillonite
A0904011	Kaolinite:60+White mica:40	Kaolinite
A0904012	Montmorillonite:65+White mica:15+Kaolinite:10+Chlorite:5+Carbonate:5	Montmorillonite
A0904013	Kaolinite	Kaolinite
A0904014	Montmorillonite:55+Kaolinite:35+Chlorite:10	Montmorillonite
A0904015	Kaolinite:75+White mica:25	Kaolinite
A0904016	Montmorillonite:45+Chlorite:15+Kaolinite:15+White mica:15+Carbonate:10	Montmorillonite
A0904017	Montmorillonite:45+Nontronite:25+Chlorite:15+Kaolinite:15	Montmorillonite
A0904018	Montmorillonite:45+Epidote:20+Kaolinite:15+White mica:10+Chlorite:5+Carbonate:5	Montmorillonite
A0904019	Montmorillonite:55+Kaolinite:15+White mica:15+Chlorite:10+Carbonate:5	Montmorillonite
A0904021	Montmorillonite:50+Kaolinite:20+Amphibole:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904022	Montmorillonite:35+Amphibole:20+Kaolinite:15+Epidote:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904023	Montmorillonite:60+Kaolinite:25+Carbonate:10+Chlorite:5	Montmorillonite
A0904024	Kaolinite:90+White mica:10	Kaolinite
A0904025	Kaolinite:40+White mica:35+Carbonate:10+Biotite:10+Chlorite:5	Kaolinite
A0904026	White mica:55+Kaolinite:35+Chlorite:5+Carbonate:5	White mica
A0904027	Montmorillonite:45+Kaolinite:25+White mica:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904028	White mica:60+Kaolinite:30+Chlorite:5+Carbonate:5	White mica
A0904029	Montmorillonite:55+Kaolinite:40+Chlorite:5	Montmorillonite
A0904030	Montmorillonite:50+Kaolinite:15+Carbonate:15+Epidote:15+Chlorite:5	Montmorillonite
A0904031	Montmorillonite:60+Kaolinite:20+Amphibole:10+Chlorite:5+Carbonate:5	Montmorillonite
A0904032	Montmorillonite:55+Kaolinite:15+Amphibole:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904033	Montmorillonite:55+Amphibole:20+Kaolinite:10+Carbonate:10+Chlorite:5	Montmorillonite
A0904034	Montmorillonite:40+Kaolinite:25+White mica:15+Chlorite:10+Carbonate:10	Montmorillonite
A0904035	Montmorillonite:50+Kaolinite:40+Nontronite:10	Montmorillonite
A0904036	Montmorillonite:65+Kaolinite:15+Carbonate:15+Chlorite:5	Montmorillonite
A0904037	Kaolinite:65+White mica:20+Chlorite:10+Carbonate:5	Kaolinite
A0904038	Montmorillonite:50+Kaolinite:20+Chlorite:10+Carbonate:10+White mica:10	Montmorillonite
A0904039	Kaolinite:55+White mica:30+Carbonate:10+Chlorite:5	Kaolinite

Sample_ID	aiMineral4	aiMineral5	aiMineral6	VNIRMineral	Reflectance	QaQc_Reflect
A0904006	Montmorillonite	Amphibole	Chlorite			Goethite
A0904007	White mica	Chlorite	Carbonate			Hematite
A0904008	Epidote	Kaolinite	Carbonate	Chlorite		Novnir
A0904009	Epidote	White mica	Carbonate	Chlorite	Kaolinite	Novnir
A0904010	Epidote	Carbonate	Chlorite	Kaolinite	White mica	Chlorite
A0904011	White mica					Goethite
A0904012	White mica	Kaolinite	Carbonate	Chlorite		Goethite+Hematite
A0904013						Hematite
A0904014	Kaolinite	Chlorite				Goethite+Hematite
A0904015	White mica					Goethite+Hematite
A0904016	Chlorite	Kaolinite	White mica	Carbonate		Hematite
A0904017	Nontronite	Chlorite	Kaolinite			Goethite+Hematite
A0904018	Epidote	Kaolinite	White mica	Carbonate	Chlorite	Novnir
A0904019	Kaolinite	White mica	Chlorite	Carbonate		Goethite+Hematite
A0904021	Kaolinite	Amphibole	Carbonate	Chlorite		Novnir
A0904022	Amphibole	Epidote	Kaolinite	Carbonate	Chlorite	Novnir
A0904023	Kaolinite	Carbonate	Chlorite			Novnir
A0904024	White mica					Goethite
A0904025	White mica	Biotite	Carbonate	Chlorite		Hematite
A0904026	Kaolinite	Carbonate	Chlorite			Hematite
A0904027	Kaolinite	White mica	Carbonate	Chlorite		Hematite
A0904028	Kaolinite	Carbonate	Chlorite			Goethite+Hematite
A0904029	Kaolinite	Chlorite				Hematite
A0904030	Carbonate	Epidote	Kaolinite	Chlorite		Goethite+Hematite
A0904031	Kaolinite	Amphibole	Carbonate	Chlorite		Goethite+Hematite
A0904032	Amphibole	Kaolinite	Carbonate	Chlorite		Goethite+Hematite
A0904033	Amphibole	Carbonate	Kaolinite	Chlorite		Goethite+Hematite
A0904034	Kaolinite	White mica	Carbonate	Chlorite		Hematite
A0904035	Kaolinite	Nontronite				Goethite+Hematite
A0904036	Carbonate	Kaolinite	Chlorite			Goethite+Hematite
A0904037	White mica	Chlorite	Carbonate			Hematite
A0904038	Kaolinite	Carbonate	Chlorite	White mica		Hematite
A0904039	White mica	Carbonate	Chlorite			Goethite+Hematite

Sample_ID	FeatureType	UTM_X	UTM_y
A0904041	soil	351070.0389	3816743.85
A0904042	soil	351070.9028	3816793.843
A0904043	soil	351071.3346	3816818.845
A0904044	soil	351071.7667	3816843.836
A0904045	soil	351072.1985	3816868.837
A0904046	soil	351072.6306	3816893.828
A0904047	soil	351073.0624	3816918.83
A0904048	soil	351073.4944	3816943.821
A0904049	soil	351073.9263	3816968.822
A0904050	soil	351074.3583	3816993.813
A0904051	soil	351074.7901	3817018.815
A0904052	soil	351075.2222	3817043.806
A0904053	soil	351075.654	3817068.808
A0904054	soil	351076.0861	3817093.798
A0904055	soil	351076.5179	3817118.8
A0904056	soil	351121.5863	3816832.979
A0904057	soil	351122.0182	3816857.975
A0904058	soil	351122.4502	3816882.971
A0904059	soil	351122.8821	3816907.968
A0904061	soil	351123.3141	3816932.964
A0904062	soil	351123.746	3816957.96
A0904063	soil	351124.178	3816982.956
A0904064	soil	351124.6099	3817007.953
A0904065	soil	351125.0419	3817032.949
A0904066	soil	351125.4738	3817057.945
A0904067	soil	351125.9058	3817082.941
A0904068	soil	351167.0003	3816567.149
A0904069	soil	351167.8642	3816617.141
A0904070	soil	351168.7281	3816667.134
A0904071	soil	351169.592	3816717.126
A0904072	soil	351170.4559	3816767.119
A0904073	soil	351171.3198	3816817.112
A0904074	soil	351171.7516	3816842.113

Sample_ID	aiMineral2	aiMineral3
A0904041	Montmorillonite:45+Kaolinite:35+White mica:15+Nontronite:5	Montmorillonite
A0904042	Montmorillonite:70+Kaolinite:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904043	Montmorillonite:65+Kaolinite:20+Carbonate:10+Chlorite:5	Montmorillonite
A0904044	Montmorillonite:55+Chlorite:15+White mica:15+Carbonate:10+Kaolinite:5	Montmorillonite
A0904045	Montmorillonite:50+Kaolinite:35+Carbonate:10+Chlorite:5	Montmorillonite
A0904046	Montmorillonite:50+Epidote:20+Kaolinite:15+Chlorite:5+Carbonate:5+White mica:5	Montmorillonite
A0904047	Kaolinite:50+White mica:25+Carbonate:10+Biotite:10+Chlorite:5	Kaolinite
A0904048	Montmorillonite:65+Kaolinite:15+Carbonate:15+Chlorite:5	Montmorillonite
A0904049	Montmorillonite:60+Kaolinite:20+Carbonate:15+Chlorite:5	Montmorillonite
A0904050	Montmorillonite:65+Carbonate:20+Kaolinite:10+Chlorite:5	Montmorillonite
A0904051	Montmorillonite:50+White mica:20+Chlorite:10+Kaolinite:10+Carbonate:10	Montmorillonite
A0904052	Montmorillonite:40+Epidote:25+Kaolinite:15+White mica:10+Chlorite:5+Carbonate:5	Montmorillonite
A0904053	Montmorillonite:65+Kaolinite:20+White mica:15	Montmorillonite
A0904054	Montmorillonite:45+Kaolinite:25+Chlorite:10+Carbonate:10+Nontronite:10	Montmorillonite
A0904055	Montmorillonite:65+Kaolinite:15+Carbonate:10+Chlorite:5+White mica:5	Montmorillonite
A0904056	Kaolinite:40+White mica:40+Carbonate:15+Chlorite:5	Kaolinite
A0904057	Montmorillonite:60+Kaolinite:20+Chlorite:10+Carbonate:10	Montmorillonite
A0904058	Montmorillonite:35+Kaolinite:25+White mica:20+Carbonate:15+Chlorite:5	Montmorillonite
A0904059	Montmorillonite:70+Kaolinite:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904061	Montmorillonite:55+White mica:15+Kaolinite:10+Carbonate:10+Tourmaline:10	Montmorillonite
A0904062	Montmorillonite:65+Kaolinite:20+Chlorite:5+Carbonate:5+White mica:5	Montmorillonite
A0904063	Montmorillonite:70+Kaolinite:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904064	Montmorillonite:50+Epidote:25+Amphibole:10+Chlorite:5+Kaolinite:5+Carbonate:5	Montmorillonite
A0904065	Montmorillonite:55+Chlorite:15+Kaolinite:15+White mica:10+Carbonate:5	Montmorillonite
A0904066	Montmorillonite:60+White mica:15+Chlorite:10+Kaolinite:10+Carbonate:5	Montmorillonite
A0904067	Montmorillonite:60+Kaolinite:15+Chlorite:10+Carbonate:10+White mica:5	Montmorillonite
A0904068	Kaolinite:50+White mica:30+Carbonate:10+Chlorite:5+Biotite:5	Kaolinite
A0904069	Montmorillonite:40+Kaolinite:30+Chlorite:15+Carbonate:10	Montmorillonite
A0904070	Montmorillonite:70+Chlorite:10+White mica:10+Kaolinite:5+Carbonate:5	Montmorillonite
A0904071	Kaolinite:40+White mica:40+Montmorillonite:20	Kaolinite
A0904072	Montmorillonite:70+Kaolinite:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904073	Montmorillonite:65+Carbonate:25+Chlorite:5+Kaolinite:5	Montmorillonite
A0904074	Montmorillonite:50+Kaolinite:15+Epidote:15+White mica:10+Chlorite:5+Carbonate:5	Montmorillonite

Sample_ID	aiMineral4	aiMineral5	aiMineral6	VNIRMineral	Reflectance	QaQc_Reflect
A0904041	Kaolinite	White mica	Nontronite			Goethite+Hematite
A0904042	Kaolinite	Carbonate	Chlorite			Hematite
A0904043	Kaolinite	Carbonate	Chlorite			Hematite
A0904044	Chlorite	White mica	Carbonate	Kaolinite		Hematite
A0904045	Kaolinite	Carbonate	Chlorite			Hematite
A0904046	Epidote	Kaolinite	Carbonate	Chlorite	White mica	Hematite
A0904047	White mica	Biotite	Carbonate	Chlorite		Hematite
A0904048	Carbonate	Kaolinite	Chlorite			Hematite
A0904049	Kaolinite	Carbonate	Chlorite			Novnir
A0904050	Carbonate	Kaolinite	Chlorite			Goethite+Hematite
A0904051	White mica	Carbonate	Chlorite	Kaolinite		Goethite+Hematite
A0904052	Epidote	Kaolinite	White mica	Carbonate	Chlorite	Novnir
A0904053	Kaolinite	White mica				Goethite+Hematite
A0904054	Kaolinite	Carbonate	Chlorite	Nontronite		Goethite+Hematite
A0904055	Kaolinite	Carbonate	Chlorite	White mica		Hematite
A0904056	White mica	Carbonate	Chlorite			Hematite
A0904057	Kaolinite	Carbonate	Chlorite			Hematite
A0904058	Kaolinite	White mica	Carbonate	Chlorite		Hematite
A0904059	Kaolinite	Carbonate	Chlorite			Hematite
A0904061	White mica	Carbonate	Kaolinite	Tourmaline		Novnir
A0904062	Kaolinite	Carbonate	Chlorite	White mica		Hematite
A0904063	Kaolinite	Carbonate	Chlorite			Novnir
A0904064	Epidote	Amphibole	Carbonate	Chlorite	Kaolinite	Novnir
A0904065	Chlorite	Kaolinite	White mica	Carbonate		Goethite+Hematite
A0904066	White mica	Chlorite	Kaolinite	Carbonate		Goethite+Hematite
A0904067	Kaolinite	Carbonate	Chlorite	White mica		Novnir
A0904068	White mica	Carbonate	Biotite	Chlorite		Hematite
A0904069	Kaolinite	Chlorite	Carbonate			Novnir
A0904070	Chlorite	White mica	Carbonate	Kaolinite		Goethite+Hematite
A0904071	White mica	Montmorillonite				Hematite
A0904072	Kaolinite	Carbonate	Chlorite			Hematite
A0904073	Carbonate	Chlorite	Kaolinite			Hematite
A0904074	Epidote	Kaolinite	White mica	Carbonate	Chlorite	Hematite

Sample_ID	FeatureType	UTM_X	UTM_y
A0904075	soil	351172.1837	3816867.104
A0904076	soil	351172.6155	3816892.106
A0904077	soil	351173.0476	3816917.097
A0904078	soil	351173.4794	3816942.098
A0904079	soil	351173.9115	3816967.089
A0904081	soil	351174.3433	3816992.091
A0904082	soil	351174.7754	3817017.082
A0904083	soil	351175.2072	3817042.084
A0904084	soil	351175.6393	3817067.074
A0904085	soil	351176.0711	3817092.076
A0904086	soil	351176.5032	3817117.067
A0904087	soil	351176.935	3817142.069
A0904088	soil	351177.3669	3817167.065
A0904089	soil	351221.1394	3816806.255
A0904090	soil	351221.5713	3816831.251
A0904091	soil	351222.0033	3816856.247
A0904092	soil	351222.4352	3816881.243
A0904093	soil	351222.8672	3816906.24
A0904094	soil	351223.2991	3816931.236
A0904095	soil	351223.7311	3816956.232
A0904096	soil	351224.163	3816981.229
A0904097	soil	351224.595	3817006.225
A0904098	soil	351225.0269	3817031.221
A0904099	soil	351225.4589	3817056.217
A0904101	soil	351225.8908	3817081.214
A0904102	soil	351226.3228	3817106.21
A0904103	soil	351267.4173	3816590.417
A0904104	soil	351268.2812	3816640.41
A0904105	soil	351269.1451	3816690.402
A0904106	soil	351270.009	3816740.395
A0904107	soil	351321.1245	3816804.527
A0904108	soil	351321.5564	3816829.523
A0904109	soil	351321.9884	3816854.519

Sample_ID	aiMineral2	aiMineral3
A0904075	Montmorillonite:40+Amphibole:25+Epidote:15+Kaolinite:10+Chlorite:5+Carbonate:5	Montmorillonite
A0904076	Montmorillonite:50+Epidote:20+Kaolinite:15+Chlorite:5+Carbonate:5+White mica:5	Montmorillonite
A0904077	Montmorillonite:50+Epidote:20+Kaolinite:10+White mica:10+Chlorite:5+Carbonate:5	Montmorillonite
A0904078	Montmorillonite:55+White mica:20+Kaolinite:15+Nontronite:10	Montmorillonite
A0904079	Montmorillonite:70+Chlorite:10+White mica:10+Kaolinite:5+Carbonate:5	Montmorillonite
A0904081	Montmorillonite:40+Kaolinite:30+White mica:20+Chlorite:5+Carbonate:5	Montmorillonite
A0904082	Montmorillonite:65+Kaolinite:15+Carbonate:15+Chlorite:5	Montmorillonite
A0904083	Montmorillonite:35+Kaolinite:20+White mica:20+Carbonate:15+Chlorite:10	Montmorillonite
A0904084	Montmorillonite:55+Kaolinite:15+Epidote:15+Chlorite:5+Carbonate:5+White mica:5	Montmorillonite
A0904085	Montmorillonite:65+Kaolinite:15+Chlorite:10+Nontronite:10	Montmorillonite
A0904086	Montmorillonite:45+Kaolinite:40+White mica:15	Montmorillonite
A0904087	Montmorillonite:35+Epidote:30+Kaolinite:20+Chlorite:5+Carbonate:5+White mica:5	Montmorillonite
A0904088	Montmorillonite:50+Epidote:20+Kaolinite:10+White mica:10+Chlorite:5+Carbonate:5	Montmorillonite
A0904089	Montmorillonite:65+White mica:15+Chlorite:10+Kaolinite:5+Carbonate:5	Montmorillonite
A0904090	White mica:45+Kaolinite:35+Chlorite:10+Carbonate:10	White mica
A0904091	White mica:55+Kaolinite:25+Chlorite:15+Carbonate:5	White mica
A0904092	Montmorillonite:45+White mica:20+Epidote:15+Kaolinite:10+Chlorite:5+Carbonate:5	Montmorillonite
A0904093	Kaolinite:30+Montmorillonite:25+White mica:25+Nontronite:20	Kaolinite
A0904094	Montmorillonite:45+Kaolinite:20+White mica:15+Chlorite:10+Carbonate:10	Montmorillonite
A0904095	Montmorillonite:65+Epidote:15+Chlorite:5+Kaolinite:5+Carbonate:5+White mica:5	Montmorillonite
A0904096	Montmorillonite:40+Kaolinite:20+White mica:20+Carbonate:15+Chlorite:5	Montmorillonite
A0904097	Montmorillonite:40+Kaolinite:20+White mica:20+Carbonate:15+Chlorite:5	Montmorillonite
A0904098	Montmorillonite:70+Chlorite:10+Kaolinite:10+Carbonate:10	Montmorillonite
A0904099	Montmorillonite:60+Kaolinite:25+Chlorite:5+White mica:5+Nontronite:5	Montmorillonite
A0904101	Montmorillonite:65+Kaolinite:25+White mica:10	Montmorillonite
A0904102	Montmorillonite:60+Kaolinite:20+Chlorite:10+Carbonate:5+White mica:5	Montmorillonite
A0904103	Montmorillonite:55+White mica:15+Chlorite:10+Kaolinite:10+Carbonate:10	Montmorillonite
A0904104	Montmorillonite:55+Kaolinite:15+Epidote:15+Chlorite:5+Carbonate:5+White mica:5	Montmorillonite
A0904105	Montmorillonite:65+Kaolinite:20+Chlorite:5+Carbonate:5+White mica:5	Montmorillonite
A0904106	Montmorillonite:65+Kaolinite:20+Carbonate:10+Chlorite:5	Montmorillonite
A0904107	Montmorillonite:50+White mica:15+Epidote:15+Kaolinite:10+Chlorite:5+Carbonate:5	Montmorillonite
A0904108	Montmorillonite:55+Epidote:20+Kaolinite:10+Chlorite:5+Carbonate:5+White mica:5	Montmorillonite
A0904109	Montmorillonite:55+Kaolinite:25+Carbonate:15+Chlorite:5	Montmorillonite

Sample_ID	aiMineral4	aiMineral5	aiMineral6	VNIRMineral	Reflectance	QaQc_Reflect
A0904075	Amphibole	Epidote	Kaolinite	Carbonate	Chlorite	Goethite+Hematite
A0904076	Epidote	Kaolinite	Carbonate	Chlorite	White mica	Goethite+Hematite
A0904077	Epidote	Kaolinite	White mica	Carbonate	Chlorite	Goethite+Hematite
A0904078	White mica	Kaolinite	Nontronite			Goethite+Hematite
A0904079	Chlorite	White mica	Carbonate	Kaolinite		Goethite+Hematite
A0904081	Kaolinite	White mica	Carbonate	Chlorite		Goethite+Hematite
A0904082	Carbonate	Kaolinite	Chlorite			Novnir
A0904083	Kaolinite	White mica	Carbonate	Chlorite		Novnir
A0904084	Epidote	Kaolinite	Carbonate	Chlorite	White mica	Goethite+Hematite
A0904085	Kaolinite	Chlorite	Nontronite			Goethite+Hematite
A0904086	Kaolinite	White mica				Hematite
A0904087	Epidote	Kaolinite	Carbonate	Chlorite	White mica	Hematite
A0904088	Epidote	Kaolinite	White mica	Carbonate	Chlorite	Novnir
A0904089	White mica	Chlorite	Carbonate	Kaolinite		Goethite+Hematite
A0904090	Kaolinite	Carbonate	Chlorite			Goethite+Hematite
A0904091	Kaolinite	Chlorite	Carbonate			Hematite
A0904092	White mica	Epidote	Kaolinite	Carbonate	Chlorite	Chlorite+Hematite
A0904093	Montmorillonite	White mica	Nontronite			Goethite+Hematite
A0904094	Kaolinite	White mica	Carbonate	Chlorite		Goethite+Hematite
A0904095	Epidote	Carbonate	Chlorite	Kaolinite	White mica	Novnir
A0904096	Kaolinite	White mica	Carbonate	Chlorite		Goethite+Hematite
A0904097	Kaolinite	White mica	Carbonate	Chlorite		Hematite
A0904098	Carbonate	Chlorite	Kaolinite			Novnir
A0904099	Kaolinite	Chlorite	Nontronite	White mica		Goethite+Hematite
A0904101	Kaolinite	White mica				Hematite
A0904102	Kaolinite	Chlorite	Carbonate	White mica		Goethite+Hematite
A0904103	White mica	Carbonate	Chlorite	Kaolinite		Goethite+Hematite
A0904104	Epidote	Kaolinite	Carbonate	Chlorite	White mica	Novnir
A0904105	Kaolinite	Carbonate	Chlorite	White mica		Hematite
A0904106	Kaolinite	Carbonate	Chlorite			Hematite
A0904107	Epidote	White mica	Kaolinite	Carbonate	Chlorite	Novnir
A0904108	Epidote	Kaolinite	Carbonate	Chlorite	White mica	Novnir
A0904109	Kaolinite	Carbonate	Chlorite			Novnir

Sample_ID	FeatureType	UTM_X	UTM_y
A0904110	soil	351322.4203	3816879.516
A0904111	soil	351322.8523	3816904.512
A0904112	soil	351323.2842	3816929.508
A0904113	soil	351323.7162	3816954.505
A0904114	soil	351324.1481	3816979.501
A0904115	soil	351324.5801	3817004.497
A0904116	soil	351325.012	3817029.493
A0904117	soil	351325.4439	3817054.49
A0904118	soil	351325.8759	3817079.486
A0904119	soil	351326.3078	3817104.482
A0904121	soil	351326.7398	3817129.478
A0904122	soil	351327.1717	3817154.475
A0904123	soil	351327.6037	3817179.471
A0904124	soil	351270.8729	3816790.387
A0904125	soil	351271.3047	3816815.389
A0904126	soil	351271.7368	3816840.38
A0904127	soil	351272.1686	3816865.382
A0904128	soil	351272.6007	3816890.373
A0904129	soil	351273.0325	3816915.374
A0904130	soil	351273.4646	3816940.365
A0904131	soil	351273.8964	3816965.367
A0904132	soil	351274.3285	3816990.358
A0904133	soil	351274.7603	3817015.359
A0904134	soil	351275.1924	3817040.35
A0904135	soil	351275.6242	3817065.352
A0904136	soil	351276.0563	3817090.343
A0904137	soil	351276.4881	3817115.345
A0904138	soil	351276.92	3817140.341
A0904139	soil	351277.352	3817165.337
A0904141	soil	351366.9704	3816563.693
A0904142	soil	351367.8343	3816613.686
A0904143	soil	351368.6982	3816663.678
A0904144	soil	351369.5621	3816713.671

Sample_ID	aiMineral2	aiMineral3
A0904110	Montmorillonite:50+Kaolinite:20+White mica:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904111	Montmorillonite:55+Kaolinite:15+Epidote:15+Chlorite:5+Carbonate:5+White mica:5	Montmorillonite
A0904112	Montmorillonite:45+Kaolinite:20+White mica:20+Chlorite:10+Carbonate:5	Montmorillonite
A0904113	Montmorillonite:45+Kaolinite:30+White mica:15+Chlorite:5+Carbonate:5	Montmorillonite
A0904114	Montmorillonite:65+Epidote:15+Chlorite:5+Kaolinite:5+Carbonate:5+White mica:5	Montmorillonite
A0904115	Montmorillonite:50+Amphibole:20+Carbonate:15+Chlorite:10+Kaolinite:5	Montmorillonite
A0904116	Montmorillonite:55+Kaolinite:20+Chlorite:15+Carbonate:5+White mica:5	Montmorillonite
A0904117	Kaolinite:55+White mica:30+Carbonate:10+Chlorite:5	Kaolinite
A0904118	Kaolinite:70+White mica:30	Kaolinite
A0904119	Montmorillonite:60+Kaolinite:15+Chlorite:10+White mica:10+Carbonate:5	Montmorillonite
A0904121	Montmorillonite:55+Epidote:20+Kaolinite:10+Chlorite:5+Carbonate:5+White mica:5	Montmorillonite
A0904122	Montmorillonite:70+Kaolinite:20+Chlorite:10	Montmorillonite
A0904123	Montmorillonite:65+Kaolinite:20+Carbonate:10+Chlorite:5	Montmorillonite
A0904124	Montmorillonite:55+White mica:20+Kaolinite:10+Carbonate:10+Chlorite:5	Montmorillonite
A0904125	Montmorillonite:60+Kaolinite:15+Chlorite:10+White mica:10+Carbonate:5	Montmorillonite
A0904126	Montmorillonite:55+Chlorite:15+White mica:15+Carbonate:10+Kaolinite:5	Montmorillonite
A0904127	Montmorillonite:65+Kaolinite:15+Carbonate:15+Chlorite:5	Montmorillonite
A0904128	Kaolinite:35+Montmorillonite:35+Chlorite:15+White mica:15	Kaolinite
A0904129	Montmorillonite:45+Kaolinite:35+White mica:15+Nontronite:5	Montmorillonite
A0904130	Kaolinite:45+Montmorillonite:45+White mica:10	Kaolinite
A0904131	Montmorillonite:50+Epidote:15+Kaolinite:10+Carbonate:10+White mica:10+Chlorite:5	Montmorillonite
A0904132	Montmorillonite:60+Chlorite:10+Kaolinite:10+Carbonate:10+White mica:10	Montmorillonite
A0904133	Montmorillonite:50+White mica:20+Kaolinite:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904134	Montmorillonite:55+Kaolinite:20+Carbonate:10+White mica:10+Chlorite:5	Montmorillonite
A0904135	Montmorillonite:50+Kaolinite:25+Carbonate:10+White mica:10+Chlorite:5	Montmorillonite
A0904136	Kaolinite:65+White mica:35	Kaolinite
A0904137	Montmorillonite:50+Nontronite:25+Kaolinite:20+Chlorite:5	Montmorillonite
A0904138	Montmorillonite:45+Kaolinite:30+Chlorite:15+White mica:10	Montmorillonite
A0904139	Montmorillonite:65+Kaolinite:15+Chlorite:10+Amphibole:10	Montmorillonite
A0904141	Montmorillonite:65+Kaolinite:20+Carbonate:10+Chlorite:5	Montmorillonite
A0904142	Kaolinite:40+White mica:35+Carbonate:10+Biotite:10+Chlorite:5	Kaolinite
A0904143	Montmorillonite:45+White mica:20+Chlorite:15+Kaolinite:15+Carbonate:5	Montmorillonite
A0904144	Montmorillonite:50+Kaolinite:25+Chlorite:10+Carbonate:10+White mica:5	Montmorillonite

Sample_ID	aiMineral4	aiMineral5	aiMineral6	VNIRMineral	Reflectance	QaQc_Reflect
A0904110	Kaolinite	White mica	Carbonate	Chlorite		Novnir
A0904111	Epidote	Kaolinite	Carbonate	Chlorite	White mica	Novnir
A0904112	Kaolinite	White mica	Chlorite	Carbonate		Goethite+Hematite
A0904113	Kaolinite	White mica	Carbonate	Chlorite		Hematite
A0904114	Epidote	Carbonate	Chlorite	Kaolinite	White mica	Goethite+Hematite
A0904115	Amphibole	Carbonate	Chlorite	Kaolinite		Goethite
A0904116	Kaolinite	Chlorite	Carbonate	White mica		Novnir
A0904117	White mica	Carbonate	Chlorite			Hematite
A0904118	White mica					Goethite+Hematite
A0904119	Kaolinite	Chlorite	White mica	Carbonate		Goethite+Hematite
A0904121	Epidote	Kaolinite	Carbonate	Chlorite	White mica	Goethite+Hematite
A0904122	Kaolinite	Chlorite				Novnir
A0904123	Kaolinite	Carbonate	Chlorite			Novnir
A0904124	White mica	Carbonate	Kaolinite	Chlorite		Novnir
A0904125	Kaolinite	Chlorite	White mica	Carbonate		Goethite+Hematite
A0904126	Chlorite	White mica	Carbonate	Kaolinite		Novnir
A0904127	Carbonate	Kaolinite	Chlorite			Novnir
A0904128	Montmorillonite	Chlorite	White mica			Goethite+Hematite
A0904129	Kaolinite	White mica	Nontronite			Goethite+Hematite
A0904130	Montmorillonite	White mica				Goethite+Hematite
A0904131	Epidote	Carbonate	Kaolinite	White mica	Chlorite	Goethite+Hematite
A0904132	Carbonate	Chlorite	Kaolinite	White mica		Goethite+Hematite
A0904133	White mica	Kaolinite	Carbonate	Chlorite		Hematite
A0904134	Kaolinite	Carbonate	White mica	Chlorite		Hematite
A0904135	Kaolinite	Carbonate	White mica	Chlorite		Novnir
A0904136	White mica					Goethite+Hematite
A0904137	Nontronite	Kaolinite	Chlorite			Hematite
A0904138	Kaolinite	Chlorite	White mica			Hematite
A0904139	Kaolinite	Amphibole	Chlorite			Goethite+Hematite
A0904141	Kaolinite	Carbonate	Chlorite			Hematite
A0904142	White mica	Biotite	Carbonate	Chlorite		Novnir
A0904143	White mica	Chlorite	Kaolinite	Carbonate		Novnir
A0904144	Kaolinite	Carbonate	Chlorite	White mica		Novnir

Sample_ID	FeatureType	UTM_X	UTM_y
A0904145	soil	351370.426	3816763.663
A0904146	soil	351371.2899	3816813.656
A0904147	soil	351371.7217	3816838.658
A0904148	soil	351372.1538	3816863.648
A0904149	soil	351372.5856	3816888.65
A0904150	soil	351373.0177	3816913.641
A0904151	soil	351373.4495	3816938.643
A0904152	soil	351373.8816	3816963.634
A0904153	soil	351374.3134	3816988.635
A0904154	soil	351374.7455	3817013.626
A0904155	soil	351375.1773	3817038.628
A0904156	soil	351375.6094	3817063.619
A0904157	soil	351376.0412	3817088.62
A0904158	soil	351376.4733	3817113.611
A0904159	soil	351376.9051	3817138.613
A0904161	soil	351377.3371	3817163.609
A0904162	soil	351421.1095	3816802.799
A0904163	soil	351421.5415	3816827.795
A0904164	soil	351421.9734	3816852.792
A0904165	soil	351422.4054	3816877.788
A0904166	soil	351422.8373	3816902.784
A0904167	soil	351423.2693	3816927.78
A0904168	soil	351423.7012	3816952.777
A0904169	soil	351424.1332	3816977.773
A0904170	soil	351424.5651	3817002.769
A0904171	soil	351424.9971	3817027.766
A0904172	soil	351425.429	3817052.762
A0904173	soil	351425.861	3817077.758
A0904174	soil	351426.2929	3817102.754
A0904175	soil	351426.7249	3817127.751
A0904176	soil	351427.1568	3817152.747
A0904177	soil	351427.5888	3817177.743
A0904178	soil	351467.3875	3816586.962

Sample_ID	aiMineral2	aiMineral3
A0904145	Montmorillonite:70+Kaolinite:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904146	Montmorillonite:50+Kaolinite:15+White mica:15+Chlorite:10+Carbonate:10	Montmorillonite
A0904147	Montmorillonite:65+Kaolinite:15+Carbonate:15+Chlorite:5	Montmorillonite
A0904148	Montmorillonite:65+Kaolinite:20+Carbonate:10+Chlorite:5	Montmorillonite
A0904149	Montmorillonite:50+White mica:20+Chlorite:15+Kaolinite:10+Carbonate:5	Montmorillonite
A0904150	Montmorillonite:65+White mica:15+Chlorite:10+Kaolinite:5+Carbonate:5	Montmorillonite
A0904151	Montmorillonite:60+Kaolinite:20+Carbonate:15+Chlorite:5	Montmorillonite
A0904152	Montmorillonite:45+Kaolinite:20+Carbonate:15+White mica:15+Chlorite:5	Montmorillonite
A0904153	Montmorillonite:40+Kaolinite:25+Nontronite:20+Chlorite:15	Montmorillonite
A0904154	Kaolinite:40+White mica:35+Chlorite:15+Carbonate:10	Kaolinite
A0904155	Montmorillonite:50+Kaolinite:30+White mica:10+Chlorite:5+Carbonate:5	Montmorillonite
A0904156	Montmorillonite:35+Kaolinite:25+Carbonate:20+Chlorite:10+White mica:10	Montmorillonite
A0904157	Montmorillonite:60+Amphibole:20+Carbonate:10+Chlorite:5+Kaolinite:5	Montmorillonite
A0904158	Montmorillonite:60+Kaolinite:15+Chlorite:10+White mica:10+Carbonate:5	Montmorillonite
A0904159	Montmorillonite:45+Epidote:20+Kaolinite:15+Carbonate:10+Chlorite:5+White mica:5	Montmorillonite
A0904161	Montmorillonite:65+Kaolinite:20+Carbonate:10+Chlorite:5	Montmorillonite
A0904162	Montmorillonite:55+White mica:15+Chlorite:10+Kaolinite:10+Carbonate:10	Montmorillonite
A0904163	Kaolinite:55+Montmorillonite:45	Kaolinite
A0904164	Montmorillonite:65+Kaolinite:15+Carbonate:15+Chlorite:5	Montmorillonite
A0904165	Montmorillonite:50+Kaolinite:15+White mica:15+Chlorite:10+Carbonate:10	Montmorillonite
A0904166	Montmorillonite:60+Kaolinite:20+Chlorite:10+Carbonate:5+White mica:5	Montmorillonite
A0904167	Montmorillonite:55+Kaolinite:15+White mica:15+Chlorite:10+Carbonate:5	Montmorillonite
A0904168	Montmorillonite:65+Kaolinite:20+Carbonate:10+Chlorite:5	Montmorillonite
A0904169	Montmorillonite:45+Kaolinite:35+Chlorite:10+Carbonate:5+White mica:5	Montmorillonite
A0904170	Kaolinite	Kaolinite
A0904171	Montmorillonite:55+Kaolinite:35+Nontronite:10	Montmorillonite
A0904172	Montmorillonite:50+Kaolinite:15+White mica:15+Nontronite:10+Chlorite:5+Carbonate:5	Montmorillonite
A0904173	Montmorillonite:65+Chlorite:10+Carbonate:10+White mica:10+Kaolinite:5	Montmorillonite
A0904174	Montmorillonite:60+White mica:15+Chlorite:10+Kaolinite:10+Carbonate:5	Montmorillonite
A0904175	Montmorillonite:45+Kaolinite:20+Carbonate:15+Chlorite:10+White mica:10	Montmorillonite
A0904176	Montmorillonite:60+Epidote:15+White mica:10+Chlorite:5+Kaolinite:5+Carbonate:5	Montmorillonite
A0904177	Montmorillonite:45+Chlorite:15+Kaolinite:15+White mica:15+Carbonate:10	Montmorillonite
A0904178	Montmorillonite:50+Chlorite:15+Kaolinite:15+Carbonate:10+White mica:10	Montmorillonite

Sample_ID	aiMineral4	aiMineral5	aiMineral6	VNIRMineral	Reflectance	QaQc_Reflect
A0904145	Kaolinite	Carbonate	Chlorite			Novnir
A0904146	Kaolinite	White mica	Carbonate	Chlorite		Novnir
A0904147	Carbonate	Kaolinite	Chlorite			Goethite+Hematite
A0904148	Kaolinite	Carbonate	Chlorite			Goethite+Hematite
A0904149	White mica	Chlorite	Kaolinite	Carbonate		Goethite+Hematite
A0904150	White mica	Chlorite	Carbonate	Kaolinite		Goethite+Hematite
A0904151	Kaolinite	Carbonate	Chlorite			Goethite+Hematite
A0904152	Kaolinite	Carbonate	White mica	Chlorite		Goethite+Hematite
A0904153	Kaolinite	Nontronite	Chlorite			Goethite
A0904154	White mica	Chlorite	Carbonate			Hematite
A0904155	Kaolinite	White mica	Carbonate	Chlorite		Hematite
A0904156	Kaolinite	Carbonate	Chlorite	White mica		Novnir
A0904157	Amphibole	Carbonate	Chlorite	Kaolinite		Goethite+Hematite
A0904158	Kaolinite	Chlorite	White mica	Carbonate		Goethite+Hematite
A0904159	Epidote	Kaolinite	Carbonate	Chlorite	White mica	Chlorite
A0904161	Kaolinite	Carbonate	Chlorite			Goethite+Hematite
A0904162	White mica	Carbonate	Chlorite	Kaolinite		Hematite
A0904163	Montmorillonite					Goethite+Hematite
A0904164	Carbonate	Kaolinite	Chlorite			Goethite+Hematite
A0904165	Kaolinite	White mica	Carbonate	Chlorite		Novnir
A0904166	Kaolinite	Chlorite	Carbonate	White mica		Goethite+Hematite
A0904167	Kaolinite	White mica	Chlorite	Carbonate		Goethite+Hematite
A0904168	Kaolinite	Carbonate	Chlorite			Hematite
A0904169	Kaolinite	Chlorite	Carbonate	White mica		Hematite
A0904170						Hematite
A0904171	Kaolinite	Nontronite				Novnir
A0904172	Kaolinite	White mica	Nontronite	Carbonate	Chlorite	Goethite+Hematite
A0904173	Carbonate	Chlorite	White mica	Kaolinite		Goethite+Hematite
A0904174	White mica	Chlorite	Kaolinite	Carbonate		Goethite+Hematite
A0904175	Kaolinite	Carbonate	Chlorite	White mica		Novnir
A0904176	Epidote	White mica	Carbonate	Chlorite	Kaolinite	Goethite+Hematite
A0904177	Chlorite	Kaolinite	White mica	Carbonate		Novnir
A0904178	Chlorite	Kaolinite	Carbonate	White mica		Novnir

Sample_ID	FeatureType	UTM_X	UTM_y
A0904179	soil	351468.2514	3816636.954
A0904181	soil	351469.1153	3816686.947
A0904182	soil	351469.9791	3816736.939
A0904183	soil	351470.843	3816786.932
A0904184	soil	351471.2748	3816811.934
A0904185	soil	351471.7069	3816836.924
A0904186	soil	351472.1387	3816861.926
A0904187	soil	351472.5708	3816886.917
A0904188	soil	351473.0026	3816911.919
A0904189	soil	351473.4347	3816936.909
A0904190	soil	351473.8665	3816961.911
A0904191	soil	351474.2986	3816986.902
A0904192	soil	351474.7304	3817011.904
A0904193	soil	351475.1625	3817036.895
A0904194	soil	351475.5943	3817061.896
A0904195	soil	351476.0264	3817086.887
A0904196	soil	351476.4582	3817111.889
A0904197	soil	351476.8902	3817136.885
A0904198	soil	351477.3221	3817161.881
A0904199	soil	351521.0946	3816801.071
A0904201	soil	351521.5266	3816826.068
A0904202	soil	351521.9585	3816851.064
A0904203	soil	351522.3905	3816876.06
A0904204	soil	351522.8224	3816901.056
A0904205	soil	351523.2543	3816926.053
A0904206	soil	351523.6863	3816951.049
A0904207	soil	351524.1182	3816976.045
A0904208	soil	351524.5502	3817001.041
A0904209	soil	351524.9821	3817026.038
A0904210	soil	351525.4141	3817051.034
A0904211	soil	351525.846	3817076.03
A0904212	soil	351526.278	3817101.027
A0904213	soil	351526.7099	3817126.023

Sample_ID	aiMineral2	aiMineral3
A0904179	Montmorillonite:50+Kaolinite:20+White mica:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904181	Montmorillonite:50+White mica:30+Chlorite:15+Carbonate:5	Montmorillonite
A0904182	White mica:40+Kaolinite:30+Epidote:20+Chlorite:5+Carbonate:5	White mica
A0904183	Montmorillonite:55+Kaolinite:15+White mica:15+Chlorite:10+Carbonate:5	Montmorillonite
A0904184	Montmorillonite:50+Kaolinite:20+Chlorite:10+Carbonate:10+White mica:10	Montmorillonite
A0904185	Montmorillonite:65+Chlorite:10+Kaolinite:10+White mica:10+Carbonate:5	Montmorillonite
A0904186	Montmorillonite:50+Kaolinite:30+Chlorite:10+Carbonate:5+White mica:5	Montmorillonite
A0904187	Montmorillonite:60+Kaolinite:15+Carbonate:10+Amphibole:10+Chlorite:5	Montmorillonite
A0904188	Kaolinite:75+White mica:15+Carbonate:10	Kaolinite
A0904189	Montmorillonite:45+White mica:20+Kaolinite:15+Chlorite:10+Carbonate:10	Montmorillonite
A0904190	Kaolinite	Kaolinite
A0904191	Montmorillonite:65+Chlorite:10+Kaolinite:10+White mica:10+Carbonate:5	Montmorillonite
A0904192	Kaolinite:35+Montmorillonite:35+Nontronite:20+White mica:10	Kaolinite
A0904193	Montmorillonite:50+Kaolinite:40+Nontronite:10	Montmorillonite
A0904194	Montmorillonite:50+Kaolinite:30+White mica:10+Nontronite:10	Montmorillonite
A0904195	Montmorillonite:45+White mica:20+Epidote:20+Chlorite:5+Kaolinite:5+Carbonate:5	Montmorillonite
A0904196	Montmorillonite:65+White mica:15+Chlorite:10+Kaolinite:5+Carbonate:5	Montmorillonite
A0904197	Montmorillonite:55+Epidote:25+Kaolinite:10+Chlorite:5+Carbonate:5	Montmorillonite
A0904198	Montmorillonite:40+Epidote:25+Kaolinite:20+Chlorite:5+Carbonate:5+White mica:5	Montmorillonite
A0904199	Montmorillonite:70+White mica:15+Carbonate:10+Kaolinite:5	Montmorillonite
A0904201	Montmorillonite:60+Kaolinite:20+Carbonate:15+Chlorite:5	Montmorillonite
A0904202	Kaolinite:50+White mica:35+Chlorite:10+Carbonate:5	Kaolinite
A0904203	Montmorillonite:50+Kaolinite:30+Carbonate:10+White mica:10	Montmorillonite
A0904204	Montmorillonite:65+Kaolinite:15+Carbonate:10+White mica:10	Montmorillonite
A0904205	Kaolinite:80+White mica:20	Kaolinite
A0904206	Kaolinite:50+White mica:30+Carbonate:10+Chlorite:5+Biotite:5	Kaolinite
A0904207	Montmorillonite:65+Nontronite:25+Kaolinite:10	Montmorillonite
A0904208	Kaolinite:55+White mica:45	Kaolinite
A0904209	Montmorillonite:50+Kaolinite:25+White mica:15+Nontronite:10	Montmorillonite
A0904210	Montmorillonite:75+Nontronite:15+Chlorite:5+Kaolinite:5	Montmorillonite
A0904211	Kaolinite:65+White mica:35	Kaolinite
A0904212	Montmorillonite:55+Kaolinite:30+White mica:10+Chlorite:5	Montmorillonite
A0904213	Montmorillonite:70+Chlorite:15+Kaolinite:15	Montmorillonite

Sample_ID	aiMineral4	aiMineral5	aiMineral6	VNIRMineral	Reflectance	QaQc_Reflect
A0904179	Kaolinite	White mica	Carbonate	Chlorite		Novnir
A0904181	White mica	Chlorite	Carbonate			Novnir
A0904182	Kaolinite	Epidote	Carbonate	Chlorite		Hematite
A0904183	Kaolinite	White mica	Chlorite	Carbonate		Goethite+Hematite
A0904184	Kaolinite	Carbonate	Chlorite	White mica		Novnir
A0904185	Chlorite	Kaolinite	White mica	Carbonate		Goethite+Hematite
A0904186	Kaolinite	Chlorite	Carbonate	White mica		Hematite
A0904187	Kaolinite	Amphibole	Carbonate	Chlorite		Goethite+Hematite
A0904188	White mica	Carbonate				Hematite
A0904189	White mica	Kaolinite	Carbonate	Chlorite		Novnir
A0904190						Hematite
A0904191	Chlorite	Kaolinite	White mica	Carbonate		Goethite+Hematite
A0904192	Montmorillonite	Nontronite	White mica			Goethite+Hematite
A0904193	Kaolinite	Nontronite				Goethite+Hematite
A0904194	Kaolinite	Nontronite	White mica			Hematite
A0904195	Epidote	White mica	Carbonate	Chlorite	Kaolinite	Hematite
A0904196	White mica	Chlorite	Carbonate	Kaolinite		Goethite+Hematite
A0904197	Epidote	Kaolinite	Carbonate	Chlorite		Novnir
A0904198	Epidote	Kaolinite	Carbonate	Chlorite	White mica	Novnir
A0904199	White mica	Carbonate	Kaolinite			Novnir
A0904201	Kaolinite	Carbonate	Chlorite			Novnir
A0904202	White mica	Chlorite	Carbonate			Novnir
A0904203	Kaolinite	Carbonate	White mica			Hematite
A0904204	Kaolinite	Carbonate	White mica			Goethite+Hematite
A0904205	White mica					Hematite
A0904206	White mica	Carbonate	Biotite	Chlorite		Novnir
A0904207	Nontronite	Kaolinite				Goethite+Hematite
A0904208	White mica					Goethite+Hematite
A0904209	Kaolinite	White mica	Nontronite			Goethite+Hematite
A0904210	Nontronite	Chlorite	Kaolinite			Novnir
A0904211	White mica					Hematite
A0904212	Kaolinite	White mica	Chlorite			Hematite
A0904213	Chlorite	Kaolinite				Goethite

Sample_ID	FeatureType	UTM_X	UTM_y
A0904214	soil	351527.1419	3817151.019
A0904215	soil	351527.5738	3817176.015
A0904216	soil	351566.9406	3816560.238
A0904217	soil	351567.8045	3816610.23
A0904218	soil	351568.6684	3816660.223
A0904219	soil	351569.5323	3816710.215
A0904221	soil	351570.3962	3816760.208
A0904222	soil	351571.2601	3816810.2
A0904223	soil	351571.6919	3816835.202
A0904224	soil	351572.124	3816860.193
A0904225	soil	351572.5558	3816885.195
A0904226	soil	351572.9879	3816910.185
A0904227	soil	351573.4197	3816935.187
A0904228	soil	351573.8518	3816960.178
A0904229	soil	351574.2836	3816985.18
A0904230	soil	351574.7157	3817010.17
A0904231	soil	351575.1475	3817035.172
A0904232	soil	351575.5796	3817060.163
A0904233	soil	351576.0114	3817085.165
A0904234	soil	351576.4435	3817110.156
A0904235	soil	351576.8753	3817135.157
A0904236	soil	351577.3073	3817160.148
A0904237	soil	351578.1712	3817210.141
A0904238	soil	351579.0351	3817260.133
A0904239	soil	351579.899	3817310.126
A0904241	soil	351580.7629	3817360.118
A0904242	soil	351621.0797	3816799.344
A0904243	soil	351621.5116	3816824.34
A0904244	soil	351621.9436	3816849.336
A0904245	soil	351622.3755	3816874.332
A0904246	soil	351622.8075	3816899.329
A0904247	soil	351623.2394	3816924.325
A0904248	soil	351623.6714	3816949.321

Sample_ID	aiMineral2	aiMineral3
A0904214	Montmorillonite:65+Kaolinite:20+Carbonate:10+Chlorite:5	Montmorillonite
A0904215	Montmorillonite:65+Chlorite:10+Carbonate:10+White mica:10+Kaolinite:5	Montmorillonite
A0904216	Montmorillonite:60+Kaolinite:15+Chlorite:10+White mica:10+Carbonate:5	Montmorillonite
A0904217	Montmorillonite:70+Kaolinite:10+White mica:10+Chlorite:5+Carbonate:5	Montmorillonite
A0904218	Montmorillonite:50+Nontronite:25+Kaolinite:15+Chlorite:10	Montmorillonite
A0904219	Montmorillonite:60+Kaolinite:25+White mica:10+Nontronite:5	Montmorillonite
A0904221	Montmorillonite:45+Kaolinite:40+Nontronite:15	Montmorillonite
A0904222	Montmorillonite:50+Kaolinite:30+White mica:15+Nontronite:5	Montmorillonite
A0904223	Montmorillonite:75+Nontronite:15+Kaolinite:10	Montmorillonite
A0904224	Montmorillonite:70+Kaolinite:15+Nontronite:15	Montmorillonite
A0904225	Montmorillonite:45+Kaolinite:40+Nontronite:10+White mica:5	Montmorillonite
A0904226	Kaolinite:55+White mica:25+Carbonate:10+Chlorite:5+Biotite:5	Kaolinite
A0904227	Kaolinite:75+White mica:25	Kaolinite
A0904228	Kaolinite:90+White mica:10	Kaolinite
A0904229	Montmorillonite:75+Kaolinite:15+Nontronite:10	Montmorillonite
A0904230	Montmorillonite:55+Kaolinite:25+White mica:15+Nontronite:5	Montmorillonite
A0904231	Montmorillonite:65+Amphibole:20+Kaolinite:10+Chlorite:5	Montmorillonite
A0904232	Montmorillonite:55+Nontronite:15+Chlorite:10+Kaolinite:10+White mica:10	Montmorillonite
A0904233	White mica:55+Kaolinite:35+Chlorite:5+Carbonate:5	White mica
A0904234	Montmorillonite:60+Kaolinite:20+Carbonate:10+White mica:10	Montmorillonite
A0904235	Montmorillonite:85+Nontronite:10+Kaolinite:5	Montmorillonite
A0904236	Montmorillonite:45+Kaolinite:30+White mica:20+Nontronite:5	Montmorillonite
A0904237	White mica:50+Kaolinite:30+Carbonate:10+Chlorite:5+Biotite:5	White mica
A0904238	Montmorillonite:55+Kaolinite:35+White mica:10	Montmorillonite
A0904239	White mica:40+Kaolinite:35+Montmorillonite:25	White mica
A0904241	Montmorillonite:70+Kaolinite:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904242	Montmorillonite:45+Kaolinite:40+Nontronite:15	Montmorillonite
A0904243	Kaolinite	Kaolinite
A0904244	Montmorillonite:60+Kaolinite:40	Montmorillonite
A0904245	Montmorillonite:60+Kaolinite:40	Montmorillonite
A0904246	Kaolinite	Kaolinite
A0904247	Kaolinite	Kaolinite
A0904248	Kaolinite	Kaolinite

Sample_ID	aiMineral4	aiMineral5	aiMineral6	VNIRMineral	Reflectance	QaQc_Reflect
A0904214	Kaolinite	Carbonate	Chlorite			Hematite
A0904215	Carbonate	Chlorite	White mica	Kaolinite		Chlorite
A0904216	Kaolinite	Chlorite	White mica	Carbonate		Goethite+Hematite
A0904217	Kaolinite	White mica	Carbonate	Chlorite		Goethite+Hematite
A0904218	Nontronite	Kaolinite	Chlorite			Goethite
A0904219	Kaolinite	White mica	Nontronite			Goethite+Hematite
A0904221	Kaolinite	Nontronite				Goethite+Hematite
A0904222	Kaolinite	White mica	Nontronite			Novnir
A0904223	Nontronite	Kaolinite				Novnir
A0904224	Kaolinite	Nontronite				Goethite+Hematite
A0904225	Kaolinite	Nontronite	White mica			Goethite+Hematite
A0904226	White mica	Carbonate	Biotite	Chlorite		Hematite
A0904227	White mica					Novnir
A0904228	White mica					Goethite+Hematite
A0904229	Kaolinite	Nontronite				Goethite+Hematite
A0904230	Kaolinite	White mica	Nontronite			Hematite
A0904231	Amphibole	Kaolinite	Chlorite			Goethite
A0904232	Nontronite	Chlorite	Kaolinite	White mica		Hematite
A0904233	Kaolinite	Carbonate	Chlorite			Hematite
A0904234	Kaolinite	Carbonate	White mica			Hematite
A0904235	Nontronite	Kaolinite				Hematite
A0904236	Kaolinite	White mica	Nontronite			Hematite
A0904237	Kaolinite	Carbonate	Biotite	Chlorite		Hematite
A0904238	Kaolinite	White mica				Goethite+Hematite
A0904239	Kaolinite	Montmorillonite				Novnir
A0904241	Kaolinite	Carbonate	Chlorite			Novnir
A0904242	Kaolinite	Nontronite				Hematite
A0904243						Hematite
A0904244	Kaolinite					Hematite
A0904245	Kaolinite					Hematite
A0904246						Hematite
A0904247						Hematite
A0904248						Hematite

Sample_ID	FeatureType	UTM_X	UTM_y
A0904249	soil	351624.1033	3816974.317
A0904250	soil	351624.5353	3816999.314
A0904251	soil	351624.9672	3817024.31
A0904252	soil	351625.3992	3817049.306
A0904253	soil	351625.8311	3817074.302
A0904254	soil	351626.2631	3817099.299
A0904255	soil	351626.695	3817124.295
A0904256	soil	351627.127	3817149.291
A0904257	soil	351627.5589	3817174.288
A0904258	soil	351667.3576	3816583.506
A0904259	soil	351668.2215	3816633.499
A0904261	soil	351669.0854	3816683.491
A0904262	soil	351669.9493	3816733.484
A0904263	soil	351670.8132	3816783.476
A0904264	soil	351671.245	3816808.478
A0904265	soil	351671.6771	3816833.469
A0904266	soil	351672.1089	3816858.471
A0904267	soil	351672.541	3816883.461
A0904268	soil	351672.9728	3816908.463
A0904269	soil	351673.4049	3816933.454
A0904270	soil	351673.8367	3816958.456
A0904271	soil	351674.2688	3816983.446
A0904272	soil	351674.7006	3817008.448
A0904273	soil	351675.1327	3817033.439
A0904274	soil	351675.5645	3817058.441
A0904275	soil	351675.9966	3817083.431
A0904276	soil	351676.4284	3817108.433
A0904277	soil	351676.8605	3817133.424
A0904278	soil	351677.2923	3817158.426
A0904279	soil	351677.7244	3817183.417
A0904281	soil	351678.5883	3817233.409
A0904282	soil	351679.4522	3817283.402
A0904283	soil	351680.3161	3817333.394

Sample_ID	aiMineral2	aiMineral3
A0904249	Montmorillonite:55+Kaolinite:25+White mica:15+Nontronite:5	Montmorillonite
A0904250	Montmorillonite:70+Chlorite:10+Kaolinite:10+Carbonate:5+White mica:5	Montmorillonite
A0904251	Kaolinite:35+White mica:30+Montmorillonite:20+Chlorite:15	Kaolinite
A0904252	Montmorillonite:65+Kaolinite:15+Chlorite:10+White mica:5+Nontronite:5	Montmorillonite
A0904253	Montmorillonite:65+Kaolinite:15+Chlorite:10+White mica:5+Nontronite:5	Montmorillonite
A0904254	Montmorillonite:45+Kaolinite:20+White mica:20+Chlorite:15	Montmorillonite
A0904255	Montmorillonite:50+Kaolinite:35+White mica:15	Montmorillonite
A0904256	Montmorillonite:85+Kaolinite:10+Nontronite:5	Montmorillonite
A0904257	Montmorillonite:85+Kaolinite:10+Nontronite:5	Montmorillonite
A0904258	Montmorillonite:70+Carbonate:15+Kaolinite:10+Chlorite:5	Montmorillonite
A0904259	Montmorillonite:70+Kaolinite:15+Carbonate:10+Chlorite:5	Montmorillonite
A0904261	Kaolinite:40+White mica:40+Montmorillonite:20	Kaolinite
A0904262	Montmorillonite:70+Kaolinite:15+White mica:10+Nontronite:5	Montmorillonite
A0904263	Montmorillonite:45+Kaolinite:40+Nontronite:15	Montmorillonite
A0904264	Montmorillonite:65+Kaolinite:25+White mica:5+Nontronite:5	Montmorillonite
A0904265	Montmorillonite:65+Kaolinite:30+Nontronite:5	Montmorillonite
A0904266	Montmorillonite:70+Kaolinite:30	Montmorillonite
A0904267	Montmorillonite:60+Kaolinite:30+White mica:10	Montmorillonite
A0904268	Kaolinite	Kaolinite
A0904269	Kaolinite	Kaolinite
A0904270	Kaolinite	Kaolinite
A0904271	Montmorillonite:75+Kaolinite:20+Nontronite:5	Montmorillonite
A0904272	Montmorillonite:65+Kaolinite:35	Montmorillonite
A0904273	Montmorillonite:65+Kaolinite:20+Chlorite:5+Carbonate:5+Amphibole:5	Montmorillonite
A0904274	Montmorillonite:65+Chlorite:10+Kaolinite:10+White mica:10+Carbonate:5	Montmorillonite
A0904275	White mica:50+Kaolinite:25+Nontronite:20+Montmorillonite:5	White mica
A0904276	White mica:45+Montmorillonite:30+Kaolinite:25	White mica
A0904277	Montmorillonite:60+Kaolinite:20+White mica:15+Nontronite:5	Montmorillonite
A0904278	Montmorillonite:60+Kaolinite:20+White mica:15+Nontronite:5	Montmorillonite
A0904279	Montmorillonite:70+Kaolinite:15+White mica:15	Montmorillonite
A0904281	Montmorillonite:65+Kaolinite:15+Nontronite:15+Chlorite:5	Montmorillonite
A0904282	Montmorillonite:65+Kaolinite:20+Carbonate:10+Chlorite:5	Montmorillonite
A0904283	Montmorillonite:60+Kaolinite:20+Carbonate:15+Chlorite:5	Montmorillonite

Sample_ID	aiMineral4	aiMineral5	aiMineral6	VNIRMineral	Reflectance	QaQc_Reflect
A0904249	Kaolinite	White mica	Nontronite			Hematite
A0904250	Chlorite	Kaolinite	Carbonate	White mica		Goethite+Hematite
A0904251	White mica	Montmorillonite	Chlorite			Novnir
A0904252	Kaolinite	Chlorite	Nontronite	White mica		Goethite+Hematite
A0904253	Kaolinite	Chlorite	Nontronite	White mica		Novnir
A0904254	Kaolinite	White mica	Chlorite			Hematite
A0904255	Kaolinite	White mica				Goethite+Hematite
A0904256	Kaolinite	Nontronite				Goethite+Hematite
A0904257	Kaolinite	Nontronite				Goethite+Hematite
A0904258	Carbonate	Kaolinite	Chlorite			Novnir
A0904259	Kaolinite	Carbonate	Chlorite			Goethite+Hematite
A0904261	White mica	Montmorillonite				Hematite
A0904262	Kaolinite	White mica	Nontronite			Goethite+Hematite
A0904263	Kaolinite	Nontronite				Novnir
A0904264	Kaolinite	Nontronite	White mica			Goethite+Hematite
A0904265	Kaolinite	Nontronite				Hematite
A0904266	Kaolinite					Novnir
A0904267	Kaolinite	White mica				Novnir
A0904268						Novnir
A0904269						Novnir
A0904270						Novnir
A0904271	Kaolinite	Nontronite				Novnir
A0904272	Kaolinite					Novnir
A0904273	Kaolinite	Amphibole	Carbonate	Chlorite		Novnir
A0904274	Chlorite	Kaolinite	White mica	Carbonate		Novnir
A0904275	Kaolinite	Nontronite	Montmorillonite			Hematite
A0904276	Montmorillonite	Kaolinite				Hematite
A0904277	Kaolinite	White mica	Nontronite			Goethite+Hematite
A0904278	Kaolinite	White mica	Nontronite			Goethite+Hematite
A0904279	Kaolinite	White mica				Goethite+Hematite
A0904281	Kaolinite	Nontronite	Chlorite			Hematite
A0904282	Kaolinite	Carbonate	Chlorite			Novnir
A0904283	Kaolinite	Carbonate	Chlorite			Goethite+Hematite

Sample_ID	FeatureType	UTM_X	UTM_y
A0904284	soil	351772.0941	3816856.737
A0904285	soil	351772.958	3816906.73
A0904286	soil	351773.8219	3816956.722
A0904287	soil	351774.6858	3817006.715
A0904288	soil	351775.5497	3817056.707
A0904289	soil	351776.4136	3817106.7
A0904290	soil	351777.2775	3817156.692
A0904291	soil	351778.1414	3817206.685
A0904292	soil	351779.0053	3817256.678
A0904293	soil	351779.8692	3817306.67
A0904294	soil	351780.7331	3817356.663
A0904295	soil	351872.5111	3816880.006
A0904296	soil	351873.375	3816929.998
A0904297	soil	351874.2389	3816979.991
A0904298	soil	351875.1028	3817029.983
A0904299	soil	351875.9667	3817079.976
A0904301	soil	351876.8306	3817129.968
A0904302	soil	351877.6945	3817179.961
A0904303	soil	351878.5584	3817229.953
A0904304	soil	351879.4223	3817279.946
A0904305	soil	351880.2862	3817329.939
A0904306	soil	351972.0643	3816853.282
A0904307	soil	351972.9282	3816903.274
A0904308	soil	351973.792	3816953.267
A0904309	soil	351974.6559	3817003.259
A0904310	soil	351975.5198	3817053.252
A0904311	soil	351976.3837	3817103.244
A0904312	soil	351977.2476	3817153.237
A0904313	soil	351978.1115	3817203.229
A0904314	soil	351978.9754	3817253.222
A0904315	soil	351979.8393	3817303.215
A0904316	soil	351980.7032	3817353.207
A0904317	soil		

Sample_ID	aiMineral2	aiMineral3
A0904284	Kaolinite	Kaolinite
A0904285	Montmorillonite:80+Nontronite:15+Chlorite:5	Montmorillonite
A0904286	Kaolinite:75+White mica:25	Kaolinite
A0904287	Montmorillonite:55+White mica:30+Carbonate:10+Kaolinite:5	Montmorillonite
A0904288	Montmorillonite:45+Nontronite:40+Kaolinite:10+Chlorite:5	Montmorillonite
A0904289	White mica:70+Kaolinite:15+Carbonate:10+Chlorite:5	White mica
A0904290	Montmorillonite:75+Kaolinite:10+Nontronite:10+Chlorite:5	Montmorillonite
A0904291	Montmorillonite:70+Kaolinite:20+Chlorite:10	Montmorillonite
A0904292	Montmorillonite:60+Kaolinite:20+Nontronite:15+Chlorite:5	Montmorillonite
A0904293	Montmorillonite:75+Nontronite:15+Kaolinite:10	Montmorillonite
A0904294	Montmorillonite:65+Nontronite:25+Kaolinite:10	Montmorillonite
A0904295	Montmorillonite:45+Kaolinite:30+White mica:15+Nontronite:10	Montmorillonite
A0904296	Montmorillonite:60+Kaolinite:15+Chlorite:10+White mica:10+Carbonate:5	Montmorillonite
A0904297	Montmorillonite:50+Kaolinite:25+Nontronite:15+Chlorite:10	Montmorillonite
A0904298	Kaolinite:45+Montmorillonite:40+Nontronite:15	Kaolinite
A0904299	Montmorillonite:75+Nontronite:15+Kaolinite:10	Montmorillonite
A0904301	Kaolinite	Kaolinite
A0904302	Montmorillonite:45+Nontronite:40+Chlorite:10+Kaolinite:5	Montmorillonite
A0904303	Montmorillonite:75+Kaolinite:10+Nontronite:10+Chlorite:5	Montmorillonite
A0904304	Montmorillonite:50+Nontronite:30+Kaolinite:15+Chlorite:5	Montmorillonite
A0904305	Montmorillonite:60+Amphibole:25+Kaolinite:10+Chlorite:5	Montmorillonite
A0904306	Montmorillonite:55+Kaolinite:45	Montmorillonite
A0904307	White mica:40+Kaolinite:20+Nontronite:20+Montmorillonite:20	White mica
A0904308	Montmorillonite:55+Kaolinite:20+Nontronite:20+Chlorite:5	Montmorillonite
A0904309	Montmorillonite:60+Nontronite:30+Kaolinite:10	Montmorillonite
A0904310	Montmorillonite:80+Nontronite:15+Kaolinite:5	Montmorillonite
A0904311	Montmorillonite:70+Kaolinite:25+Nontronite:5	Montmorillonite
A0904312	White mica:50+Kaolinite:45+Montmorillonite:5	White mica
A0904313	White mica:60+Kaolinite:40	White mica
A0904314	Montmorillonite:80+Nontronite:15+Kaolinite:5	Montmorillonite
A0904315	Montmorillonite:45+Nontronite:20+White mica:20+Kaolinite:15	Montmorillonite
A0904316	Montmorillonite:60+Kaolinite:15+White mica:15+Chlorite:10	Montmorillonite
A0904317	Montmorillonite:65+Chlorite:10+Kaolinite:10+White mica:10+Carbonate:5	Montmorillonite

Sample_ID	aiMineral4	aiMineral5	aiMineral6	VNIRMineral	Reflectance	QaQc_Reflect
A0904284						Hematite
A0904285	Nontronite	Chlorite				Goethite+Hematite
A0904286	White mica					Hematite
A0904287	White mica	Carbonate	Kaolinite			Hematite
A0904288	Nontronite	Kaolinite	Chlorite			Hematite
A0904289	Kaolinite	Carbonate	Chlorite			Hematite
A0904290	Kaolinite	Nontronite	Chlorite			Goethite+Hematite
A0904291	Kaolinite	Chlorite				Hematite
A0904292	Kaolinite	Nontronite	Chlorite			Hematite
A0904293	Nontronite	Kaolinite				Hematite
A0904294	Nontronite	Kaolinite				Hematite
A0904295	Kaolinite	White mica	Nontronite			Hematite
A0904296	Kaolinite	Chlorite	White mica	Carbonate		Hematite
A0904297	Kaolinite	Nontronite	Chlorite			Hematite
A0904298	Montmorillonite	Nontronite				Hematite
A0904299	Nontronite	Kaolinite				Hematite
A0904301						Novnir
A0904302	Nontronite	Chlorite	Kaolinite			Goethite+Hematite
A0904303	Kaolinite	Nontronite	Chlorite			Hematite
A0904304	Nontronite	Kaolinite	Chlorite			Hematite
A0904305	Amphibole	Kaolinite	Chlorite			Novnir
A0904306	Kaolinite					Hematite
A0904307	Kaolinite	Montmorillonite	Nontronite			Hematite
A0904308	Kaolinite	Nontronite	Chlorite			Hematite
A0904309	Nontronite	Kaolinite				Hematite
A0904310	Nontronite	Kaolinite				Hematite
A0904311	Kaolinite	Nontronite				Goethite+Hematite
A0904312	Kaolinite	Montmorillonite				Hematite
A0904313	Kaolinite					Hematite
A0904314	Nontronite	Kaolinite				Hematite
A0904315	Nontronite	White mica	Kaolinite			Goethite+Hematite
A0904316	Kaolinite	White mica	Chlorite			Novnir
A0904317	Chlorite	Kaolinite	White mica	Carbonate		Goethite+Hematite

Sample_ID	FeatureType	UTM_X	UTM_y
A0904318	soil		
A0904319	soil		
A0904321	soil		
A0904322	soil		
A0904323	soil		
A0904324	soil		
A0904325	surface rock		3816724.038
A0904326	surface rock		3817047.261
A0904327	surface rock		3817097.254
A0904328	surface rock		3816728.796
A0904329	surface rock		3816693.858
A0904330	surface rock		3816869.167
A0904331	surface rock		3817118.8
A0904332	surface rock		3816667.134
A0904333	surface rock		3816767.119
A0904334	surface rock		3816817.112
A0904335	surface rock		3817206.685
A0904336	surface rock		3817110.156
A0904338	surface rock		3816918.83
A0904339	surface rock		3817329.939

Sample_ID	aiMineral2	aiMineral3
A0904318	Montmorillonite:60+Kaolinite:25+White mica:10+Nontronite:5	Montmorillonite
A0904319	Montmorillonite:70+Carbonate:15+Kaolinite:10+Chlorite:5	Montmorillonite
A0904321	Montmorillonite:50+White mica:30+Kaolinite:10+Carbonate:10	Montmorillonite
A0904322	Montmorillonite:65+Kaolinite:15+Chlorite:10+Nontronite:5+Carbonate:5	Montmorillonite
A0904323	Montmorillonite:55+Nontronite:25+Kaolinite:20	Montmorillonite
A0904324	Montmorillonite:70+Kaolinite:15+Nontronite:15	Montmorillonite
A0904325	Kaolinite	Kaolinite
A0904326	Kaolinite	Kaolinite
A0904327	Tourmaline:95+Kaolinite:5	Tourmaline
A0904328	Water_Silica:75+Kaolinite:25	Water_Silica
A0904329	Kaolinite:90+White mica:10	Kaolinite
A0904330	Tourmaline:55+Kaolinite:20+White mica:20+Nontronite:5	Tourmaline
A0904331	Kaolinite	Kaolinite
A0904332	Kaolinite	Kaolinite
A0904333	Kaolinite	Kaolinite
A0904334	Kaolinite:45+White mica:45+Chlorite:5+Carbonate:5	Kaolinite
A0904335	Kaolinite:30+White mica:30+Carbonate:25+Chlorite:15	Kaolinite
A0904336	Water_Silica:45+Kaolinite:35+Chlorite:15+Nontronite:5	Water_Silica
A0904338	Water_Silica:60+Kaolinite:30+Chlorite:10	Water_Silica
A0904339	Amphibole:35+White mica:30+Chlorite:20+Biotite:15	Amphibole

Sample_ID	aiMineral4	aiMineral5	aiMineral6	VNIRMineral:	Reflectance	QaQc_Reflect
A0904318	Kaolinite	White mica	Nontronite			Hematite
A0904319	Carbonate	Kaolinite	Chlorite			Goethite+Hematite
A0904321	White mica	Carbonate	Kaolinite			Hematite
A0904322	Kaolinite	Chlorite	Carbonate	Nontronite		Goethite+Hematite
A0904323	Nontronite	Kaolinite				Hematite
A0904324	Kaolinite	Nontronite				Goethite+Hematite
A0904325						Goethite
A0904326						Goethite
A0904327	Kaolinite					Tourmaline+Tourmaline
A0904328	Kaolinite					Goethite+Hematite
A0904329	White mica					Hematite
A0904330	Kaolinite	White mica	Nontronite			Tourmaline+Tourmaline
A0904331						Goethite
A0904332						Hematite
A0904333						Goethite
A0904334	White mica	Carbonate	Chlorite			Hematite
A0904335	White mica	Carbonate	Chlorite			Hematite
A0904336	Kaolinite	Chlorite	Nontronite			Goethite+Hematite
A0904338	Kaolinite	Chlorite				Novnir
A0904339	White mica	Chlorite	Biotite			Chlorite