

Cash Minerals Limited  
Suite 1890 Oceanic Plaza, 1066 West Hastings Street  
Vancouver B.C. V6E 3X1

Telephone: 604-633-9942

Fax: 604-633-9972

## **Assessment Report**

describing

### **Ground exploration and mapping**

At the

#### **Win and Doh Properties**

Win 1-274	YC42916-YC43189
Doh 1-464	YC49624-YC50087
Doh 467-554	YC50090-YC50177
Doh 556-583	YC50178-YC50205
Doh 585-586	YC50206-YC50207

NTS 106E/02 and 106E/03  
Latitude 65°09'N, Longitude 134°54'W  
in the Mayo Mining District  
Yukon Territory

Prepared by  
Cash Minerals Limited

for

Cash Minerals Ltd. and Twenty-Seven Capital Corp.  
by

Andrew Cheesman, MSc  
March 2008

## **Table of Contents**

	<b><u>Page</u></b>
Introduction	1
The Property, Location, Claim Data and Access	2
Regional	3
Property History	4
Physiography and Geomorphology	4
Geological Setting	5
Regional Mineralisation	8
Property Mineralisation and Geochemistry	9
Discussion and Recommendations	10
References	11

## **Appendices**

1: Statement of Qualifications	13
2: Geochemical assays for the Win property rock samples from ALS	14
3: Geochemical assays for the Doh property rock samples from ALS	15

### **List of Figures**

	<b><u>Page</u></b>
Figure 1: Regional location and geological setting of the Werneckes district	1
Figure 2: Location of the Win and Doh properties in the Werneckes district	2
Figure 3: Win claims map	3

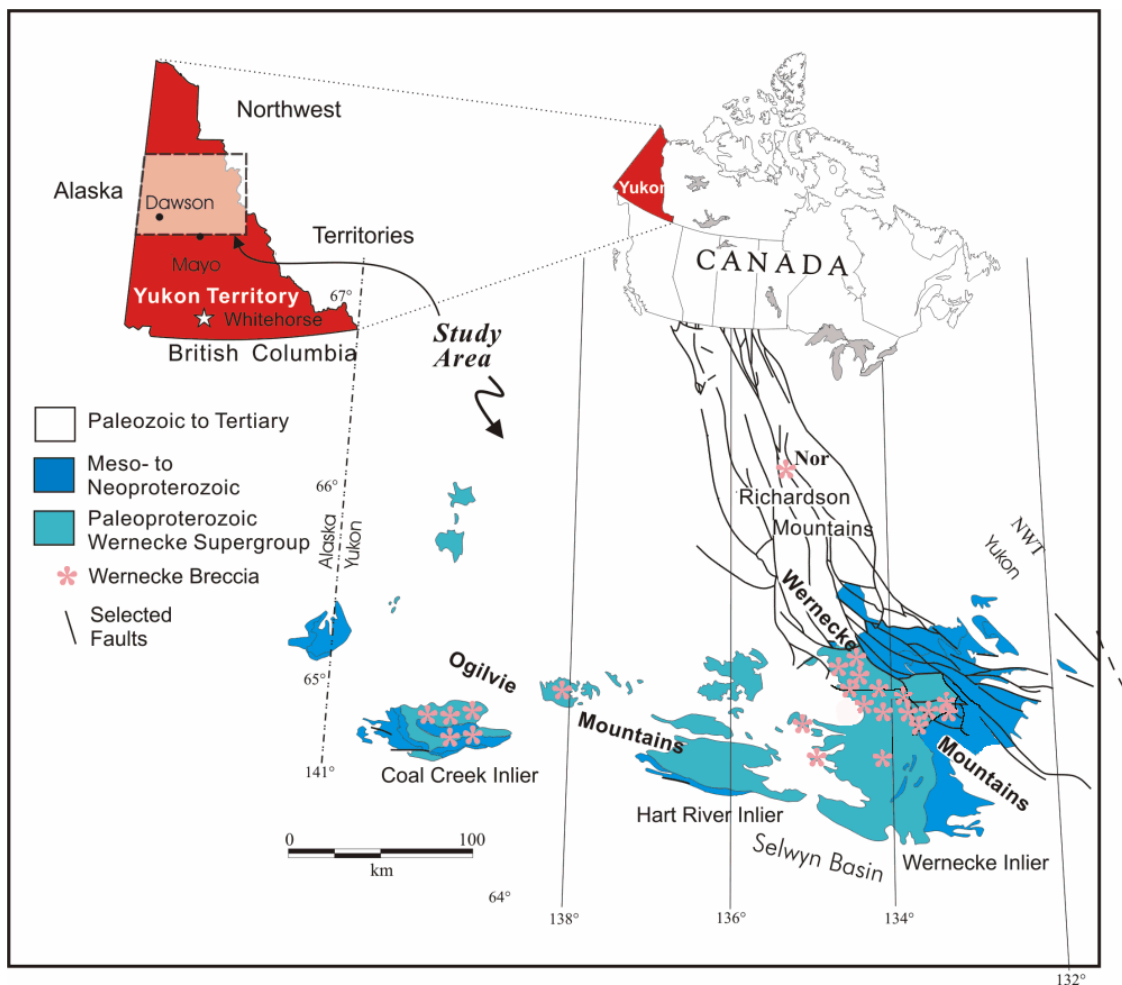
### **List of Tables**

Table 1: summary of claim registration information	2
--	---

Measurements and grid locations included in the report are in UTM NAD83, zone 8,  
unless otherwise stated

## Introduction

The Win and Doh properties hosts lead, zinc and uranium mineralisation in brecciated carbonate sequences. Twenty-Seven Capital Corp. staked the core of the property in spring 2006 to cover anomalous rock and soil samples discovered from 1974-1978. Additional claims were staked following the completion of an airborne magnetic survey. It and 18 other properties in the Wernecke Mountains, figure 1, owned by Twenty-Seven are under option to Cash Minerals Ltd. as part of the Yukon Uranium Project.



**Figure 1:** Regional location and geological setting of the Werneckes district.

Exploration work in 2007 built on the airborne geophysics and prospecting work conducted in 2006. The work comprised of mapping and soil and rock sampling based out of the Bear River camp 30km to the west. This work was conducted with daily helicopter support.



**Figure 2:** Location of the Win and Doh properties and the Lumina property which acted as a base for the operations for the initial mapping.

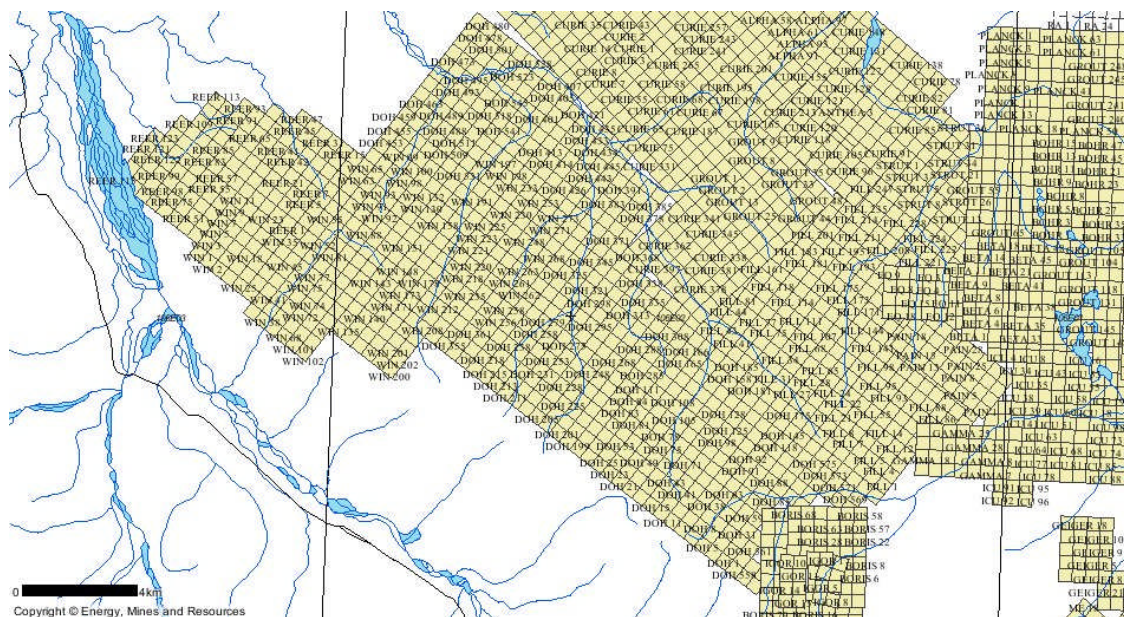
### *The Property Location, Claim Data and Access*

The property is located in east-central Yukon at latitude 65°09'N and longitude 134°54'W on NTS map sheets 106E/02 and 106E/03. It comprises 274 minerals claims covering approximately 2740 hectares, see figure 3. The claims were staked under the Yukon Quartz Mining Act and are registered with the Mayo Mining Record in the name of Cash Minerals Ltd, who holds the land under option from Twenty-Seven Capital Corp as part of the Yukon Uranium Project.

Claim Name	Grant Number	Expiry Date
Win 1-274	YC42916-YC43189	March 17 <sup>th</sup> , 2011
Doh 1-464	YC49624-YC50087	July 24 <sup>th</sup> 2008
Doh 467-554	YC50090-YC50177	July 24 <sup>th</sup> 2008
Doh 556-583	YC50178-YC50205	July 24 <sup>th</sup> 2008
Doh 585-586	YC50206-YC50207	July 24 <sup>th</sup> 2008
Reer 1-126	YC49261-YC49386	July 24 <sup>th</sup> 2008

**Table 1:** summary of claim registration information, expiry date does not include 2007 work which has not been filed for assessment credit.

The Win property is located 175km northeast of the village of Mayo, which is accessible via the Yukon highway system using the Klondike Highway and Silver Trail. Mayo is situated 407km by road north of Whitehorse. The closest road access to the property is at McQuesten Lake which lies 87km by road northeast of Mayo and 115km southwest of the Win property. From McQuesten Lake the Wind River Trail, an abandoned winter road leads to the Lumina property. This road passes within 4km of the Win property. The Dolores Creek airstrip is located on the Lumina property.



**Figure 3:** Claims map for the Win property.

Access to the property in 2007 was accomplished using a Hughes 500D Helicopter based at the Bear River Camp and operated by Fireweed Helicopters of Whitehorse. Fuel was flown from Mayo to Bear River airstrip using a Britten-Norman Islander operated by Sifton Air of Haines Junction.

### **Regional**

The first report of Mineralisation in the Wernecke Mountains was the discovery of hematite rich float in gravels by prospectors' enroute to the Klondike Goldfields in 1898. A few copper and gold prospects were and staked prior to the 1960's, but no serious exploration was conducted. After the discovery of the Crest Iron Deposit by California Standard Company Ltd. in 1961, several hematite bodies were staked and briefly explored. This wave of exploration coupled with improved access spurred by construction of the Wind River Trail led to new copper discoveries in the mid 1960's, some of which were drilled or bulldozer trenched (Deklerk and Traynor, 2005).

Uranium was first discovered in the Wernecke Mountains in 1974 at the Igor property by Ogilvie Joint Venture (Chevron Canada Ltd., Marietta Resources International Ltd. and Aquitaine Company of Canada Ltd.) The following summer Wernecke Joint Venture (Chevron and Aquitaine) conducted helicopter borne radiometric reconnaissance

throughout the district and staked a number of other properties based on ground radiometric follow up. Most of these occurrences are associated with large iron oxide rich breccias that are informally known as the Wernecke Breccias. Eldorado Nuclear optioned Wernecke Joint Venture's properties and regional exploration rights in 1976. It conducted property and regional exploration in 1976 and 1977 along with a number of other companies, notably Noranda Minerals Ltd. and Pan Ocean Oil Ltd. Wernecke Joint Venture resumed exploration in 1978 after Eldorado Nuclear began to drop its optioned properties. Systematic Uranium exploration by various parties continued in the Wernecke Mountains until 1982, when uranium prices fell (Eaton and Wober, 2005).

Another wave of regional and property exploration occurred in the mid 1990's when Westmin Resources Ltd. and Newmont Exploration Limited explored some of the Wernecke Breccias for copper and gold using the IOCG model.

### ***Property History***

In summer 1974, OJV staked the MST and Flunk claims, which were located in the northern part of the current Win property to protect lead-zinc mineralization discovered during a reconnaissance scale exploration program. The joint venture conducted mapping and geochemical sampling that year (Archer, 1975a).

Also in summer 1974, Great Plains Development Company of Canada Ltd. staked the Windy and Jeanette claims to the north and east of the Flunk claims. It conducted soil sampling and geological mapping later that year (Farion, 1975a and b).

In 1975, OJV completed a total of 404.8m diamond drilling in four holes at the Flunk Showing. It also discovered uranium occurrences within Cambrian dolomite on the MST property which was then optioned to Eldorado. In 1976, Eldorado completed three diamond drill holes totaling 83.2m at the MST property (Riley, 1976).

In 1978, WJV staked the Tar claims after identifying an area of anomalous rock and soil uranium geochemistry located approximately 4 km southeast of the MST claims. These uranium anomalies were discovered during a reconnaissance scale survey (Main and Archer, 1978).

### ***Physiography and Geomorphology***

The Win property is located within the Wernecke Mountains and is drained by a tributary of the Bonnet Plume River, which flows into the Peel River and ultimately the Arctic Ocean via the Mackenzie River.

The climate in the Wernecke Mountains is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, cool summers. Average temperatures in January are about -25°C and in July about 10C. Total annual precipitation is approximately 30cm, mainly occurring as rain during the summer months. Maximum snow pack averages about 40cm. Although summers are relatively mild, arctic cold fronts occasionally cover the area and snowfall can happen in any month. Sunlight

ranges from 22hrs per day in late June to approximately six hours per day in late December. The property is relatively snow-free from late May until late September.

### ***Geological Setting***

The Wernecke, Hart River and Coal Creek Inliers are exposed within the Cordilleran fold and thrust belt of northwestern Canada (figure 1) (Thorkelson *et al.* 2005). Deformation associated with Cordilleran orogenesis has largely shaped the modern geological configuration of the region. The Canadian Cordillera formed along the western margin of ancestral North America from the Devonian to the Early Cainozoic (Cook *et al.* 2004). Mesozoic – Cainozoic cordilleran orogenesis resulted in the accretion of several allocthonous and pericratonic terranes that incorporated existing Paleoproterozoic terranes with Paleozoic marginal strata, and lead to the formation of syn-orogenic and post-orogenic igneous and sedimentary successions (Gabrielse *et al.* 1991).

Wernecke Supergroup strata are geographically separated from cratonic North America within a series of Inliers (figure 1); thought to represent large-scale structural culminations that have been preferentially exhumed (Thorkelson *et al.* 2005). Smaller outcrops of Early Proterozoic strata are considered to be the cores of folds produced during late Mesozoic shortening (Laramide orogenesis) (Norris 1984). Surrounding the inliers are younger Neoproterozoic to Cenozoic rocks that now comprise part of the Mackenzie platform (figure 1) (Thorkelson *et al.* 2005). This sub-region of Cordilleran foreland belt is associated with Neoproterozoic to Paleozoic platformal assemblages (figure 1) (Gordey & Anderson 1993; Norris 1997). This platformal sequence is juxtaposed to the south of the Dawson Fault by the Selwyn Basin (figure 1), a package of basinal strata also of Neoproterozoic to Lower Paleozoic age (Gordey & Makepeace 1999).

The Wernecke Inlier is crosscut by the Richardson fault array (figure 1) (Thorkelson 2000), a series of deep-seated structures that are continuous for over 600 km that mark the boundary between the deformed Cordilleran fold and thrust belt and the relatively undeformed Northern Interior Platform (Delaney 1981; Norris 1997; Thorkelson 2000). This region represents a zone of weakened crust within the North American craton – possibly an Early Proterozoic terrane boundary (Thorkelson 2000) – that has been re-activated during the Late Proterozoic and the Tertiary (Hall & Cook 1998) manifested as strike-slip, thrust and normal faults (Norris 1981; Hall & Cook 1998). To the south, the Richardson Fault Array splays to become the Fairchild Lake Fault (Norris 1981). This fault is a major structure in the Wernecke Inlier that intersects strata of the Wernecke Supergroup (Thorkelson 2000). The Fairchild Lake Fault has been interpreted as a normal fault (with possible minor strike-slip motion) with an east-side-down sense of movement (Thorkelson 2000). Early fault activity occurred during the Middle to Late Proterozoic, given by the differential preservation of Early and Mesoproterozoic strata on adjacent sides of the Fairchild Lake fault (Thorkelson 2000). Fault displacement and erosion associated with the Fairchild Lake Fault could control the configuration of many Proterozoic and Paleozoic successions in the region (Thorkelson 2000).

**The Wernecke Supergroup** is comprised of a roughly 13 km thick package of marine sedimentary and carbonate sediments (Delaney 1981) deposited prior to 1.71 Ga (Thorkelson 2000). The Wernecke Supergroup consists of three major successions known



from oldest to youngest as the Fairchild Lake Group, Quartet Group and the Gillespie Lake Group (Delaney 1981; Thorkelson 2000), that are dominated by mudstone, siltstone and dolomite (Thorkelson *et al.* 2001b).

**Fairchild Lake Group (FLG)** sediments represent the oldest supracrustal sedimentary succession within the Cordillera, and forms the basal section of the Wernecke Supergroup (Thorkelson 2000). The lower contact of the Fairchild Lake Group is nowhere exposed, but is thought to be structurally decoupled with the crystalline basement as a result of contractional deformation (Thorkelson 2000). Thorkelson (2000) differentiated the ~ 200 m thick upper FLG (uFLG) from the ~ 4.6 km thick lower FLG on the basis of lithological character. Lower FLG strata are generally composed of weakly to moderately metamorphosed (Thorkelson *et al.* 2003) finely laminated to cross-laminated siltstone, mudstone and fine-grained sandstone with locally intercalated dolomite (Thorkelson 2000). Upper FLG sediments generally consist of monotonous alternating sequences of dolomite and siltstone (Thorkelson 2000).

Fairchild Lake Group strata often exhibit a variably intense slaty cleavage (Thorkelson *et al.* 2003), with local zones of higher strain – often the cores of tight folds – producing chlorite and muscovite-rich phyllite to fine grained chlorite-muscovite-chlorite schist, often with additional chloritoid or garnet porphyroblasts (Thorkelson *et al.* 2003).

**The Quartet Group (QG)**- conformably overlies the uppermost Fairchild Lake Group and represents the middle sequence of the Wernecke Supergroup (Thorkelson 2000; Hunt *et al.* 2005). The ~ 5 km thick sequence has been divided into a basal Q-1 unit and an overlying Q-2 unit by Delaney (1981). Q-1 consists of black carbonaceous shale in conformable with contact with an upward coarsening sequence of intercalated pyritic shale, siltstone and fine grained sandstone termed Q-2 (Delaney 1981). Within the uppermost Q-2 sequence, this fine grained sandstone becomes interlayered with buff-brown weathering silty dolomite; indicating the onset of Gillespie Lake Group sedimentation (Thorkelson 2000).

**The Gillespie Lake Group (GLG)**- conformably overlies the upper Quartet Group and represents the uppermost layer of the Wernecke Supergroup as ~ 4 km of shallow water sediments (Delaney 1981). Delaney (1981) subdivided the GLG into seven conformable units known from bottom to top as units G-TR and G-2 to G-7. The basal G-TR unit is delineated from the upper QG on the pronounced increase in the abundance of buff-weathering dolomite that appear as distinctive alternating bands of dolomite and siltstone (Thorkelson 2000). The remainder of the succession (units G2-G7, of Delaney, 1981) is composed of orange-weathering dolomite and silty dolomite sediments; interpreted as deposition in a shallow to intertidal environment (Thorkelson 2000).

**Wernecke Breccia (WBX)**- Voluminous hydrothermal activity occurred in the Yukon during the Early to Middle Proterozoic, that resulted in the formation of extensive zones of fragmental rocks within the Wernecke Supergroup, termed the Wernecke Breccia (figures 1) (Thorkelson *et al.* 2001b). Brecciation occurred in the Wernecke inlier and 300 km to the west in the Coal Creek inlier, hosted predominantly within strata of the Wernecke Supergroup (Figure 1) (Thorkelson *et al.* 2001b). Breccia bodies are present as numerous curvilinear belts over an area of ~ 48,000 km<sup>2</sup> (figure 1) (Archer & Schmidt 1978; Delaney 1981; Bell 1986; Lane 1990; Wheeler & McFeely 1991; Thorkelson 2000).

Wernecke Breccia typically consists of variably metasomatised angular to sub-angular clasts, surrounded by a matrix of hydrothermal minerals (Thorkelson *et al.* 2001b). Specular hematite is abundant both within fractures and as disseminations within most breccia occurrences (Thorkelson 2000; Thorkelson *et al.* 2001b)

Breccia clasts are sourced predominantly from Wernecke Supergroup dolomites, siltstones, slates, phyllites and schists (Thorkelson 2000). Where brecciation has intersected the Bonnet Plume River intrusions, breccias contain locally abundant igneous clasts. Megaclasts and clasts of volcanic material are found at one locality (Slab occurrence) where brecciation engulfed the Slab volcanics (Thorkelson 2000). Breccia matrix is generally composed of milled and small fragments of clasts and wall rock, cemented by abundant hydrothermally precipitated minerals including: hematite, quartz, carbonate, chlorite, feldspar and mica (Thorkelson 2000; Thorkelson *et al.* 2001b).

Metasomatism associated with the Wernecke Breccia was initiated before and concluded after the main breccia forming event, and is commonly preserved as metasomatic aureoles overprinting breccia and surrounding country rock (Thorkelson *et al.* 2001b). Metasomatic effects are variable regionally, but typically result in the overprinting of clasts and matrix via the precipitation of a range of minerals including: hematite (earthy and specular), magnetite, dolomite, siderite, chlorite, titanite, brannerite and chalcopyrite (Thorkelson *et al.* 2001b).

U-Pb dating of titanite produced an age of ~ 1.6 Ga for the earliest phase of brecciation (Thorkelson *et al.* 2001b). Although this event is recognized as the dominant breccia forming event, at least two other phases of hydrothermal activity occurred at 1.38 and 1.27 Ga (Thorkelson *et al.* 2005).

**Bonnet plume River intrusions (1.71 Ga)**- The Bonnet Plume River intrusions represent the oldest intrusive rocks in the Yukon (figure 1) (Thorkelson 2000; Thorkelson *et al.* 2001b). Intrusion occurred in the form of short dikes and stocks of fine to medium-grained diorites and gabbros (with minor syenite and anorthosite) (Thorkelson *et al.* 2001a) that invaded the Wernecke Supergroup (Delaney 1981; Norris & Dyke 1997; Thorkelson 2000). This intrusive relationship allows the Bonnet Plume River Intrusions to constrain the minimum age of Wernecke Supergroup deposition and preceding Wernecke basin formation (Thorkelson *et al.* 2001a). Dating of zircon obtained from several Bonnet Plume River Intrusions samples yielded U-Pb ages of ~ 1.71 Ga, providing a lower bracket age for Wernecke Supergroup deposition of > 1.71 Ga (Thorkelson *et al.* 2001a).

The Bonnet Plume River Intrusions are predominantly found as clasts and enclaves – millimeters to hundreds of meters in length – within breccia bodies that formed during voluminous hydrothermal-phreatic activity at ca. 1.6 Ga (Thorkelson *et al.* 2001b). These events lead to the development of regional zones of fragmental rock known as the Wernecke Breccia (Laznicka & Edwards 1979; Bell 1986; Laznicka & Gaboury 1988. Bonnet Plume River Intrusions also show an association with normal faulting that probably represents syn-magmatic extensional faulting within the Wernecke Mountains (Thorkelson *et al.* 2001a).

**Slab Volcanics (1.71 Ga?)**-The Bonnet Plume River Intrusions are often considered to have a possible co-magmatic extrusive equivalent known as the Slab Volcanics (figure 1) (e.g. Thorkelson 2000; Thorkelson *et al.* 2001a; Thorkelson *et al.* 2005). The Slab volcanics comprise of a sequence of ~ 40 mafic to intermediate thin lava flows, preserved

entirely as clasts, including one 250 m thick megaclast (Thorkelson *et al.* 2001a). This megaclast is hosted within an expansive zone of Wernecke breccia; present within schist and metasediment of the Fairchild Lake Group (Thorkelson *et al.* 2005).

### ***Regional Mineralisation***

Sixty-five Wernecke breccia bodies within the Wernecke and Ogilvie Mountains have been identified to host prospective IOCG style mineralisation (Archer & Schmidt 1978; Deklerk & Traynor 2005). Mineralisation occurs both within breccia, and in the surrounding rock, as disseminations and veins that record multiple phases of mineralisation (Hunt *et al.* 2005). Common IOCG phases include: magnetite, hematite, chalcopryrite, pitchblende, brannerite, cobaltite and gold (not visible but reports in assay with copper) (Hunt *et al.* 2005).

Mineralised Wernecke breccia appears to show similarities with mineralized breccia associated with the giant Olympic Dam deposit (Thorkelson *et al.* 2005). This correlation is significant for paleogeographic reconstructions that link Australia and Laurentia during the early Proterozoic (e.g. Bell & Jefferson 1987; Dalziel 1991; Moores 1991; Thorkelson *et al.* 2001b; Betts *et al.* 2008).

The mineralisation is commonly copper-gold and less frequently uranium and cobalt. This mineralisation occurs in four of styles: (1) disseminations in albite-quartz-pyrite-chalcopryrite veinlets/replacement veins within sedimentary clasts in the Werneckes Breccia and as rare massive sulphide clasts, (2) disseminations and blebs in breccia matrix, locally forming the entire matrix, (3) as blebs up to 5cm across or disseminations in calcite-chlorite-muscovite-pyrite-chalcopryrite-hematite  $\pm$  magnetite, quartz-hematite-pyrite-chalcopryrite and calcite  $\pm$  chalcopryrite veins that cross-cut breccia and the Werneckes Supergroup and (4) as blebs or disseminations in quartz-chalcopryrite  $\pm$  feldspar  $\pm$  muscovite  $\pm$  hematite veins that are parallel to and cross-cut calcareous layers in siltstone (Hunt *et al.* 2005).

### ***Property Geology***

The Win property is mostly underlain by Cambrian carbonate rocks, which sit unconformably atop Lower to Upper Proterozoic units that are expected to include at various locations Wernecke Supergroup strata, Wernecke Breccia and Pinguicula? Group sediments. The main lithological units in the vicinity of the property, based on the most recent regional mapping (Wallace, 1982), are described in the following paragraphs from oldest to youngest. A ground gravity geophysical survey has been conducted on the Tar target by Aurora Geophysics. The results of this survey are currently pending.

**Quartet Group (Hs/Has)** include medium grey to black, interbedded argillite, slate and fine quartzite which are frequently bleached to pale green adjacent to breccia bodies. Contacts between the breccia bodies and sediments are often gradational. This unit crops out immediately northeast and southeast of the property.

**Gillespie Lake Group (H1a)** consist of orange-brown weathering dolomite that crops out immediately northwest of the property

**Wernecke Breccia (Hb)** is subdivided in two types: homoclastic and heteroclastic. The homoclastic breccias exhibit gradational contacts with surrounding wallrocks but show sharp contacts with heteroclastic assemblages. Typical homoclastic breccias consist of angular to subangular fragments with minor carbonate and specular hematite matrix. All of the clasts resemble adjacent wallrocks. Heteroclastic breccias are composed of variably altered subrounded fragments supported by a matrix of carbonate and hematite with minor quartz and chlorite. Some of the fragments exhibit lithologies and alteration not observed in adjacent wallrocks. No breccia bodies have been mapped on the property but several are located immediately to the northeast and southeast.

**Pinquicula? Group (H4)** includes buff to brown weathering stromatolitic dolomite, argillite and clastic sediments. This unit is exposed along the northwestern property boundary.

**Illytd Formation (C1)** contains light grey limestone and dolomite. This formation underlies most of the property. It includes a 6m thick maroon dolomitic siltstone and shale informally referred to as the Flunk Shale.

**Slats Creek Formation (Cwr/Cwr2)** comprises light grey cherty carbonates, clastics, brick red sandstone and conglomerate. This unit underlies much of the southern half of the property.

**Taiga Formation (Cta)** consists of thin bedded recessive weathering carbonate. It unconformably overlies the Slats Creek Formation and forms a narrow band that parallels the southern property boundary.

### ***Property Mineralisation and Geochemistry***

The Win property covers a number of uranium, lead and zinc soil geochemical anomalies and three main showings: Flunk, MST and Tar. Most of the strongly anomalous soil geochemical values are near the main showings. No additional samples were taken from the MST showing during this season.

The Flunk showing occurs in an approximately 60m thick section of vuggy, Illytd Formation dolomite that is underlain by thin bedded limestone and shaly dolomite, and overlain by a thin horizon of purple shaly dolomite. The showing comprises three mineralized zones. The first zone consists of brecciated dolomite containing pale yellow and yellow-grey sphalerite, galena and minor marcasite (Archer, 1975a). The second zone exhibits moderately abundant marcasite with lesser pale yellow sphalerite and minor galena in brecciated dolomite. The third zone is a small outcrop of dolomite breccia with abundant white secondary dolomite veining that is variously mineralized with yellow sphalerite, galena and minor marcasite. The highest grades in soil samples from the Flunk showing were 0.81% lead, greater than 1.0% zinc and 17.95g/t silver.

The Tar showing is an area of anomalous uranium rock geochemistry located by WJV in 1978. An area of interest approximately 300m wide by 1500m long is hosted by

brecciated dolomite similar to that at the MST showing. Soil samples from this area returned values of greater than 1.0% zinc, 0.75% lead and 2.87g/t silver.

The nearby Doh prospect hosts elevated lead, zinc and silver mineralization in similar lithologies to Win. A grab sample recorded greater than 1.0% lead, greater than 10% zinc and 27g/t silver. Soil samples taken throughout the area recorded up to 0.18% Pb, 0.25% zinc and 4.14g/t silver.

### ***Discussion and Recommendations***

Soil and rock sampling on both the Win and Doh properties has returned elevated levels of lead, zinc and silver within the brecciated dolomites. These results combined with anomalous metal values in historic sampling and drill intercepts on these prospects show both areas have potential to host economic mineralization and warrant further investigation.

Respectfully submitted,  
Cash Minerals Limited

Andrew Cheesman, MSc

## References

- ARCHER A.R., 1975a. Final report, *Ogilvie Joint Venture, 1974*
- ARCHER A. & SCHMIDT U. 1978. Mineralized breccias of Early Proterozoic age, Bonnet Plume River district, Yukon Territory. *Canadian Mining and Metallurgy Bulletin* **71**, 53-58.
- BELL R. T. 1986. Megabreccias in northeast Wernecke Mountains, Yukon Territory. *In: Current Research, Part A*, pp. 375-384. Geological Survey of Canada, Paper 1986-1A.
- BELL R. T. & JEFFERSON C. W. 1987. A hypothesis for an Australian-Canadian connection in the late Proterozoic and the birth of the Pacific Ocean. *In: Pacific Rim Congress '87*, Parkville, Australia, Australian Institute of Mining and Metallurgy, Melbourne.
- BETTS P. G., GILES D. & SCHAEFER B. F. 2008. Comparing 1800-160 Ma accretionary and basin processes in Australia and Laurentia; possible geographic connections in Columbia. *Precambrian Research*, In Press.
- COOK F. A., CLOWES R. M., SNYDER D. B., VAN DER VELDEN A. J., HALL K. W., ERDMER P. & EVENCHICK C. A. 2004. Precambrian crust beneath the Mesozoic northern Canadian Cordillera discovered by Lithoprobe seismic reflection profiling. *Tectonics* **23**.
- DALZIEL I. W. D. 1991. Pacific margins of Laurentia and East Antarctica-Australia as a conjugate rift pair: Evidence and implications for an Eocambrian supercontinent. *Geology* **19**, 598-601.
- DEKLERK R. & TRAYNOR S. (compilers) 2005. Yukon MINFILE - A database of mineral occurrences Yukon Geological Survey CD-ROM
- DELANEY G. D. 1981. The mid-Proterozoic Wernecke Supergroup, Wernecke Mountains, Yukon Territory. *In: Campbell F. H. A. ed. Proterozoic Basins of Canada*, p. 23p. **81-10** Geological Survey of Canada Paper.
- EATON W.D. & WOBBER, H.H. 2005. Technical Report describing the Geology, Geochemistry, and Diamond Drilling at the Bond, Igor, Steel and Pterd Properties, Mayo Mining District, Yukon Territory, prepared for Cash Minerals Ltd
- FARION B.D., 1975a. Geological and geochemical evaluation of the Jeanette Claims, Yukon Territory. *Assessment report prepared for Great Plains Development Company of Canada, Ltd.*
- FARION B.D., 1975b. Geological and geochemical evaluation of the Windy Claims, Yukon Territory. *Assessment report prepared for Great Plains Development Company of Canada, Ltd.*
- GABRIELSE H., MONGER J. W. H., WHEELER J. O. & YORATH C. J. 1991. Morphogenic belts, tectonic assemblages, and terranes. *In: Gabrielse H. & Yorath C. J. eds. Geology of the Cordilleran Orogen in Canada*, pp. 15-28. Geological Survey of Canada, Ottawa.
- GORDEY S. P. & ANDERSON R. G. 1993. Evolution of the northern Cordilleran miogeocline, Nahanni map area (105I), Yukon and Northwest Territories. *Geological Survey of Canada* **428**, 214p.
- GORDEY S.P and MAKEPACE A.J., 1999. Yukon Digital Geology. *Geological Survey of Canada*, Open File, D3826
- HALL K. W. & COOK F. A. 1998. Geophysical transect of the Eagle Plains foldbelt and Richardson Mountains anticlinorium, northwestern Canada. *Geological Survey of America Bulletin* **110**, 311-325.
- HUNT J. A., BAKER T. & THORKELSON D. J. 2005. Regional-scale Proterozoic IOCG-mineralized breccia systems: examples from the Wernecke Mountains, Yukon, Canada. *Mineralium Deposita* **40**, 492-514.
- LANE R. A. 1990. Geologic setting and petrology of the Proterozoic Ogilvie Mountains breccia of the Coal Creek inlier, southern Ogilvie Mountains, Yukon Territory. University of British Columbia, Vancouver (unpubl.).
- LAZNICKA P. & EDWARDS R. J. 1979. Dolores Creek, Yukon - a disseminated copper mineralisation in sodic metasomatites. *Economic Geology* **74**, 1352-1370.
- LAZNICKA P. & GABOURY D. 1988. Wernecke Breccias and Fe, Cu, U mineralization: Quartet Mountain-Igor area (NTS 106E). *In: Abbot G. J. ed. Yukon Geology*, pp. 42-50. **2** Exploration and Geological Services, Yukon, Indian and Northern Affairs Canada.
- MAIN C.A. & ARCHER A.R., 1978. Final report, Wernecke joint venture
- MOORES E. M. 1991. Southwest U.S. - East Antarctic (SWEAT) connection: A hypothesis. *Geology* **19**, 425-428.
- NORRIS D. K. 1981. *Wind River*. Geological Survey of Canada, Map 1528A, 1:25000 scale.
- NORRIS D. K. 1984. *Geology of the northern Yukon and northwestern District of Mackenzie* (Map 1581A edition). Geological Survey of Canada.

- NORRIS D. K. 1997. *In: Norris D. K. ed. The Geology, Mineral and Hydrocarbon Potential of Northern Yukon Territory and Northwestern District of Mackenzie*, pp. 21-64. **422** Geological Survey of Canada Bulletin.
- NORRIS D. K. & DYKE L. D. 1997. Geological Setting. *In: Norris D. K. ed. The Geology, Mineral and Hydrocarbon Potential of Northern Yukon Territory and Northwestern District of Mackenzie*, pp. 65-84. **Bulletin 422** Geological Survey of Canada.
- RILEY C.J., 1976. *Report on diamond drilling program, MST 1-40 Claims*. Prepared for Eldorado Nuclear Limited
- THORKELSON D. J. 2000. Geology and mineral occurrences of the Slat Creek, Fairchild Lake and “Dolores Creek” areas, Wernecke Mountains (106D/16, 106C/13, 106C/14), Yukon Territory. Indian and Northern Affairs Canada, Bulletin 10, 73 p.
- THORKELSON D. J., ABBOTT G. J., MORTENSEN J. K., CREASER R. A., VILLENEUVE M. E., MCNICOLL V. J. & LAYER P. W. 2005. Early and Middle Proterozoic evolution of Yukon, Canada, 2. *Canadian Journal of Earth Sciences* **42**, 1045.
- THORKELSON D. J., HUNT J. A. & BAKER T. 2003. Geology and mineral occurrences of the Quartet Lakes map area (NTS 106E/1), Wernecke and Mackenzie mountains, Yukon. *In: Emond D. S. & Lewis L. L. eds. Yukon Exploration and Geology 2002*, pp. 223-239. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada.
- THORKELSON D. J., MORTENSEN J. K., DAVIDSON G. J., CREASER R. A., PEREZ W. A. & ABBOT G. J. 2001a. Early Proterozoic magmatism in Yukon, Canada: constraints on the evolution northwestern Laurentia. *Canadian Journal of Earth Sciences* **38**, 1479-1494.
- THORKELSON D. J., MORTENSEN J. K., DAVIDSON G. J., CREASER R. A., PEREZ W. A. & ABBOT G. J. 2001b. Early Mesoproterozoic intrusive breccias in Yukon, Canada: the role of hydrothermal systems in reconstructions of North America and Australia. *In: Bartley J. K. & Kah L. C. eds. Rodinia and the Mesoproterozoic earth-ocean system*, pp. 31-55. **111** Precambrian Research.
- WALLACE M.D., 1982. *Geology, Wind River (106E), Yukon Territory*. Geological Survey of Canada, Open File 1528
- WHEELER J. O. & MCFEELY P. 1991. *Tectonic assemblage map of the Canadian Cordillera and adjacent parts of the United States of America*. Geological Survey of Canada, Map 1712A, 1:2 000 000 scale.

***Appendix 1***

I, Andrew Cheesman (on behalf of Rick Zuran) exploration geologist, with a business and residential address in Vancouver, British Columbia, do hereby certify that:

1. I graduated in 2005 from Monash University with a Bachelor of Science degree, majoring in geology and a Masters degree in Geology
2. From 2005 to present I have been actively engaged in the Mineral Exploration in Australian and Canadian minerals provinces

Andrew Cheesman, MSc.



## *Appendix II*

Rock (samples 2588-2590) and soil geochemical data from ALS for samples collected  
from the Win Property  
All samples assayed for major and trace elements by ME-MS61, besides Au which was  
assayed via Ion Coupling Plasma Au-ICP21

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
2588	0.05	12.45	2.5	1920	2.53	0.1	0.17	0.1	35.9	97.4	78	6.45
2589	2.31	9.28	93	>10000	1.58	8.56	0.2	<0.02	41.8	62.5	92	9.67
2590	0.13	4.97	16	1690	1.24	1.69	1.72	<0.02	22.3	12.3	28	6.63
2150	0.12	6.31	10.8	630	1.57	0.24	1.26	0.26	103.5	17.1	67	10.25
2151	0.12	4.57	4.8	500	1.78	0.21	2.34	0.4	89.4	11.6	45	8.59
2152	0.29	3.25	15	300	1.44	0.14	10.4	0.23	47.1	8.5	28	5.14
2153	0.26	3.38	7.2	390	1.64	0.16	4.64	0.49	60.7	12.1	32	10.1
2154	0.33	6.49	6.4	730	2.69	0.19	5.44	0.1	106.5	21.5	51	22
2155	0.35	2.76	5.8	440	1.37	0.17	4.31	0.23	50.9	10.5	27	5.51
2156	0.5	2.34	8.6	440	1.05	0.09	6.46	0.86	36.3	6.6	21	3.91
2157	0.44	3.42	15	430	1.46	0.12	12.1	1.23	45.5	8.9	27	5.01
2158	0.32	2.81	5	390	1.37	0.16	10.95	0.95	41.2	7.3	24	3.74
2159	0.64	2.55	7.6	610	1.14	0.23	4.12	1.78	47.5	6.5	25	3.25
2160	0.66	2.35	11	520	1.57	0.09	11.25	1.22	37.5	6.1	21	3
2161	0.28	2.07	18	4820	1.37	0.14	17.45	0.54	34.7	6	19	2.88
2162	0.44	1.99	7	1030	1.21	0.09	13.65	1.59	30.3	5.7	15	2.58
2163	0.35	5.47	13.6	700	2.63	0.27	6.04	0.41	75.3	10	47	7.41
2164	0.27	4.7	6.5	660	2.14	0.18	5.49	0.25	76.5	10.9	33	8.15
2165	0.23	4.05	6.6	2280	1.71	0.22	2.26	0.25	55.4	8.3	36	5.33
2166	0.63	3.35	9.5	980	1.69	0.14	3.07	0.77	47.8	8.8	33	3.89
2167	1.47	3.89	17.4	820	2.19	0.21	2.62	2.45	61.3	14.4	35	4.38
2168	0.7	2.49	6	450	0.94	0.12	10.1	0.72	42.8	8.2	23	2.01
2169	0.45	1.05	5	220	0.55	0.04	18.65	0.23	18.4	4.1	6	1.17
2170	0.58	4.45	13.3	960	2.02	0.19	4.7	1.87	88.5	18.8	38	6.74
2171	1.76	4.97	21	570	1.58	0.14	5.35	4.74	80.8	17.3	40	7.41
2172	12.4	4.55	137.5	600	1.77	0.14	4.77	21.2	65.1	19.8	38	8.87
2173	0.8	3.84	8.6	610	1.43	0.15	3.6	5.34	58.6	13.3	35	6.56
3069	1.84	3.41	16.2	640	1.23	0.12	3.4	15.55	55.7	11.6	28	6.24
3070	2.51	2.54	50	330	1.05	0.07	12.35	8.59	44.7	10.6	21	7.71
3071	0.43	5.44	8.1	580	1.74	0.2	1.66	1.42	78.9	13	50	11.35
3072	5.21	2.52	26	880	0.92	0.08	11.05	14.55	54.3	9.7	24	4.8
3073	4.75	4.51	26.4	700	1.94	0.17	3.29	11.35	63.2	13.8	42	15.15
3074	0.15	1.36	1.4	280	0.46	0.05	3.26	0.4	16.75	3.2	13	3.99
3075	0.09	3.99	6.7	440	1.26	0.13	2.06	0.72	49.6	8.3	38	4.66
3076	0.36	3.91	9.6	470	1.47	0.15	3.39	0.46	68.9	12.2	39	6.45
3077	0.41	5.27	13	650	1.62	0.19	1.6	0.46	89.6	13.1	60	4.13
3078	0.61	4.41	14.9	570	1.63	0.17	5.88	1.78	78.7	11.1	41	4.43
3079	0.52	5.4	14.8	700	1.69	0.22	1.72	0.74	91	12.7	61	5.79
3080	0.87	3.45	22	410	1.52	0.12	10	0.41	47.9	10.1	31	5.85
3081	0.86	3.72	12.1	560	1.64	0.13	6.45	1.26	64.8	11.2	33	4.85
3082	0.29	1.68	4.1	450	0.69	0.05	4.14	0.9	21.8	3.9	15	2.43
3083	2.57	4.44	20.7	1140	2.25	0.17	2.65	9.9	72.4	13.8	38	6.89
3084	1.73	4.7	21	1330	2.19	0.18	7.28	0.75	53.5	13	33	8.31
3085	1.18	3.29	7	510	1.76	0.11	10.5	6.68	41.3	8.6	25	5.95
3086	0.81	3.3	<5	940	1.49	0.1	10.6	0.55	43.8	9.1	22	5.6
3087	2.01	3.9	11	1310	1.9	0.12	10.4	2.04	53.5	13.8	28	6.11

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
3088	2.64	5.01	19.1	730	2.43	0.17	3.07	3.34	65.3	12.2	41	7.78
3089	2.07	3.82	16.9	750	1.56	0.16	2.65	6.12	49.9	10.3	32	4.51
3090	5.62	4.97	42.4	680	2.42	0.15	4.65	12.5	46.7	11.2	38	7.74
3091	6.69	1.98	101	210	0.88	0.06	11.65	11.85	31.4	11	21	2.66
3092	1.02	5.49	17.5	1200	1.85	0.23	1.3	3.85	88.4	23.9	54	7.89
3093	4.68	3.65	39	470	1.33	0.13	6.36	36.5	74.8	19.7	39	4.62
3094	9.75	2.4	80	280	1.04	0.07	11.25	30.3	45.2	13.6	23	3.25
3095	6.63	2.94	49	300	1.56	0.06	11.75	24.5	43.9	14	20	5.97
3096	5.6	1.8	46	270	0.84	0.03	12	20.7	30.9	10.8	14	2.61
3097	5.39	1.94	54	280	0.88	0.04	12.95	22.4	30	10.7	14	2.64
3098	9.7	3.12	85.7	400	1.56	0.06	6.07	49.6	63.1	18.6	25	5.45
3099	10	1.96	87.2	230	1.18	0.03	8.86	44.6	39.8	14.3	14	3.35
3100	12.25	3.82	92.7	430	1.89	0.06	5.83	32.1	53.6	15.9	22	8.08
3164	0.19	5.84	7.4	570	1.78	0.19	1.46	0.24	86.5	13.9	61	11.05
3165	0.17	4.68	6.9	460	1.85	0.18	2.34	0.44	93	15.1	45	7.15
3166	0.17	4.17	6.2	430	1.45	0.15	2.43	0.38	59	11.8	41	7.79
3167	0.6	4.42	10.2	590	1.68	0.12	2.91	7.24	105.5	14	34	5.53
3168	1.36	4.05	15.6	780	1.23	0.13	5.06	13.8	69.1	10.9	43	3.71
3169	0.6	4.73	13.8	630	1.32	0.16	3.53	5.76	68.9	11.7	51	3.6
3170	1.94	2.79	14.2	400	1.12	0.08	8.96	24.2	51.5	10.1	28	2.88
3171	2.77	2.73	23.6	510	1.06	0.11	7.36	41	46.4	10	29	2.8
3172	2.95	3.33	20.5	630	1.33	0.11	4.81	32	60.7	11.1	37	4.23
3173	3.16	4.3	23.1	810	1.73	0.12	4.12	23.2	91.2	17.3	45	9.78
3174	1.11	5.4	16.6	830	2.19	0.13	0.89	3.52	96.9	19	47	14.85
3175	0.07	5.87	6.1	720	1.32	0.21	0.28	0.13	84.9	8.6	57	10.85
3176	0.21	4.36	4.9	690	1.23	0.18	0.54	0.29	65.1	10.9	56	11.95
3177	0.21	4.43	2.4	860	1.49	0.13	0.7	0.22	84.5	10.9	39	10.45
3178	0.41	2.73	5.9	640	1.11	0.07	2.74	0.43	44.4	8.6	29	4.98
3179	0.47	3.47	8.6	570	1.43	0.11	2.25	0.44	61.1	9.7	35	5.62
3180	0.91	3.55	17.8	500	1.57	0.12	6.03	1.47	56.2	10.7	34	4.96
3181	0.8	3.64	14.1	580	1.38	0.12	4.29	1.08	52.9	9.7	36	4.95
3182	1.01	4.74	23.8	730	1.83	0.18	2.21	0.97	68.2	11.7	48	5.95
3183	1.04	5.07	21.4	780	1.93	0.19	2.61	0.41	67	12.3	48	7.77
3184	0.34	2.72	8.6	500	0.79	0.07	5.35	0.5	41.8	7.9	26	3.37
3185	17.95	1.95	79	870	1.11	0.07	12.85	38.4	29.6	12.4	14	3.76
3186	12.05	1.94	71	340	0.95	0.06	12	22.8	33.6	11.4	19	2.91
3187	5.29	5.19	51.2	920	2.25	0.2	2.24	24.3	65.8	17.4	49	5.43
3188	10.75	1.82	74	1290	0.83	0.07	12.85	15.75	38.4	9.9	16	1.98
3189	9.56	2.79	56	510	1.26	0.07	11.3	19.45	48	18.6	17	5.12
3190	6.31	2.72	77.9	310	0.74	0.08	9.44	27.9	28.3	9.1	23	2.34
3191	7.99	3.05	74.4	400	1.5	0.09	8.84	29.1	58.3	15.2	27	4.19
3192	2.42	4.53	19.1	750	1.53	0.17	1.64	8.15	81.8	15.3	42	7.24
3193	0.3	3.21	7.4	370	0.98	0.12	1.39	1.22	56.1	9.9	26	5.09
3194	0.38	6.41	16.6	560	2.51	0.24	3.39	1.58	79.2	16.1	53	14.4
3195	4.28	4.24	63.9	610	1.69	0.15	6.19	7.5	59.7	13.2	35	9.11
3196	1.11	1.92	17	260	0.67	0.05	3.58	2.56	33	6.1	17	3.45
3197	0.32	1.29	5.6	270	0.42	0.02	1.99	2.62	20.9	4.4	11	2.9
3198	4.29	4.36	63.5	640	1.76	0.15	5.86	7.28	55.2	13.2	36	9.66
3841	0.19	2.51	42.6	170	0.85	0.1	9.76	0.42	29.2	6.9	37	3.58
3842	0.27	2.25	58	190	0.56	0.08	11.5	0.62	28	6.7	38	1.88
3843	0.17	1.01	25	200	0.45	0.05	3.9	1.07	17.05	8	17	0.8
3844	0.15	3.28	55	340	0.95	0.11	11.1	0.3	41.3	8.6	28	5.01
3845	0.25	2.05	28.8	250	0.52	0.09	4.75	0.7	30	6.7	27	1.86
3846	0.08	0.89	6	160	0.25	0.06	3.68	0.84	11	2.8	10	0.69
3847	0.23	2.14	22.6	330	0.39	0.13	3	1.44	26.1	8.1	23	2.69

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
3848	0.47	5.9	62.1	550	0.99	0.3	2.4	4.91	82.5	27.7	62	5.78
3849	0.24	5.68	44.5	490	0.68	0.28	1.57	3.62	65.2	18.3	51	5.02
3850	0.26	3.16	17.2	260	0.38	0.16	2.63	3.14	31.2	12.6	29	4.37
3851	3.51	2.56	25.1	420	0.56	0.15	2.54	47.5	34	25.9	25	5.4
3852	2.42	5.18	27.4	620	1.13	0.22	2.27	29.2	60.3	18.8	42	10.4
3853	2.07	5.85	29.6	640	1.45	0.3	1.33	61	93.4	34	56	7.89
3854	0.81	5.93	12.7	630	1.29	0.26	0.84	10.2	91.6	19.2	52	9.46
3855	0.24	5.33	7	520	0.69	0.25	0.27	0.46	77.5	6.1	47	9.78
3856	0.18	2.24	3	470	0.43	0.13	0.56	0.88	32.8	8.8	23	4.87
3857	0.25	6.42	8.6	800	1.31	0.29	0.6	0.3	105	19.6	59	10.5
3858	0.34	2.3	2.3	290	0.31	0.11	0.44	0.72	30.5	2.6	26	5.27
3859	0.15	5.09	5.3	1410	0.99	0.32	1.1	0.57	84.5	17.5	45	12.5
3860	0.06	5.3	9	640	0.91	0.31	0.67	0.28	80.4	6.9	57	6.82
3861	2.87	3.71	95.7	510	0.85	0.18	6.84	34.6	60.3	40.3	34	6.03
3862	0.16	3.39	6.4	570	0.7	0.24	1.4	0.7	44.1	7.1	31	3.88
3863	0.2	1.93	2.5	380	0.44	0.13	2.01	0.42	26.6	4.4	22	2.82
3864	0.17	2.55	3.7	520	0.63	0.19	1.82	1.35	33.7	7.4	23	3.91
3865	0.21	2.64	11.1	290	0.73	0.17	2.31	10.15	38.1	9.4	23	3.84
3866	0.59	0.85	9.5	240	0.32	0.05	3.22	38.5	10.25	5.2	9	1.2
3867	0.31	1.89	9.1	270	0.65	0.11	3.02	5.67	34	6	18	3.4
3868	0.17	5.15	55	590	1.34	0.3	1	86.9	89.4	30.1	55	6.94
3869	0.21	3.34	52.4	380	0.99	0.15	2.39	0.98	51.1	8.3	35	6.58
3870	0.14	3	26.5	510	0.93	0.15	3.03	0.91	52.6	10.7	29	4.9
3871	0.13	6.17	19	740	1.43	0.31	1.38	0.62	84.6	14.9	67	4.11
3872	0.13	6.12	18	730	1.56	0.3	1.46	0.65	80.2	14.8	67	4.04
3873	0.2	2.81	62.5	330	0.87	0.13	5.52	1.79	33.5	17.9	29	4.11
3874	0.33	2.96	37.3	250	0.63	0.13	6.36	0.79	30.8	7.5	34	3.24
3875	0.2	1.94	24.7	190	0.45	0.13	3.08	0.52	33.7	5.9	24	1.16
3876	0.15	0.97	16.2	140	0.3	0.05	6.96	0.54	13.6	2.8	14	1.04
3877	0.25	2.4	13.4	460	1.03	0.07	7.68	0.79	26.7	4.8	34	5.37
3878	0.52	1.92	45	340	0.66	0.08	10.4	0.85	24.8	5.7	32	3.55
3879	0.41	2.17	51	250	0.52	0.09	11	0.58	27.4	6.1	33	2.6
3880	0.48	2.76	65.5	200	0.64	0.13	3.99	0.83	33.3	10.6	35	2.36
3881	0.35	3.96	86.7	540	1.26	0.19	2.87	0.97	43.4	11.4	47	6.65
3882	0.2	3.58	70	370	1.09	0.15	6.09	0.56	40.6	8.9	40	3.93
3883	0.31	1.75	71.6	270	0.59	0.09	5.82	0.83	20.5	7.1	20	2.01
3884	0.18	2.44	48.9	280	0.78	0.1	4.62	0.51	33.1	9	26	2.96
3885	0.24	2.48	72.4	340	0.91	0.09	3.51	0.73	26	8.9	31	2.8
3886	0.12	1.37	14.1	200	0.71	0.1	3.01	0.35	21	3.9	18	1.35
3887	0.1	2.01	18.7	270	0.94	0.13	3.67	0.61	27	6.1	28	1.89
3888	0.1	1.99	7.6	370	0.64	0.08	3.46	1.43	28.4	7.5	18	1.42

Sample Number	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm
2588	5840	6.15	35.9	0.19	3.8	0.249	4.55	18.4	59.9	1.2	1290	2.49
2589	387	4.73	17.3	0.14	2.4	0.163	6.79	27.4	33.6	0.48	836	552
2590	9.4	3.24	13.25	0.12	1.6	0.067	2.63	11.3	64.2	0.73	1545	52.9
2150	27	3.64	16.05	0.2	4.3	0.067	2.19	53.1	26.9	0.81	1180	1.01
2151	18.3	3.99	12.6	0.16	2.7	0.05	1.62	39.5	22	0.59	1990	0.77
2152	26.3	2.69	8.97	0.17	2.4	0.027	1.78	23.5	15.2	5.99	2140	0.87
2153	18.1	2.55	9.33	0.18	2.4	0.034	1.63	29.2	14.2	0.65	1640	0.98
2154	27.9	4.5	18.7	0.24	5.5	0.057	3.81	52.5	27	2.2	1210	0.88
2155	17.8	2	7.71	0.16	2.1	0.028	1.46	24.8	12.2	0.66	1590	0.92
2156	19.6	1.38	6.31	0.12	1.6	0.021	1.22	18.5	11.1	0.49	1180	1.29
2157	22.1	2.21	9.02	0.14	2.3	0.029	1.88	22.5	15.4	2.68	2050	1.44
2158	21.8	2.03	7.57	0.13	1.8	0.025	1.52	20.2	13	3.57	2720	0.81
2159	14	1.76	6.87	0.14	1.6	0.024	1	22.2	10.6	0.67	2290	0.96
2160	13.9	2.34	6.26	0.12	1.5	0.021	1.05	18.9	11.8	7.38	3370	0.56
2161	14	1.95	5.51	0.09	1.5	0.023	0.95	17.3	11.7	6.22	2400	0.45
2162	10.8	4.71	5.41	0.12	1.5	0.018	1.15	14.4	8.5	5.87	2090	0.28
2163	17	3.2	14.8	0.17	3.4	0.047	2.55	36.9	21.8	0.86	1590	0.74
2164	15	2.31	13.25	0.14	3.5	0.047	2.64	36.4	16.5	0.71	1195	0.75
2165	13	2.62	11.1	0.17	2.4	0.044	1.68	26.3	15.6	0.57	1995	0.84
2166	21.3	2.25	9.25	0.15	2.2	0.029	1.52	24.2	13.3	0.87	2370	0.72
2167	32.4	4.04	10.1	0.15	2.5	0.042	1.7	28.7	20.8	0.84	7860	0.81
2168	17.6	3.88	6.25	0.12	1.5	0.026	0.89	22.3	12.1	5.42	6760	0.74
2169	9.4	2.17	2.63	0.09	0.7	0.009	0.63	9.2	4.8	9.23	4770	0.24
2170	26.1	5.73	11.55	0.19	3	0.049	2.16	43.4	17.9	2.13	8370	0.93
2171	27.2	5.09	13.25	0.18	4.1	0.038	2.93	39.7	21.8	3.27	2240	1.08
2172	44.2	9.12	12.05	0.18	3.3	0.037	2.35	35.2	19	2.44	3110	2.68
2173	20.2	3.79	9.39	0.13	2.6	0.035	1.91	29.8	15	1.54	3760	0.75
3069	19.6	4.1	8.61	0.13	2.1	0.034	1.52	28.5	12.9	1.41	9470	1.12
3070	19.8	3.86	6.7	0.11	1.9	0.029	1.27	23.7	10.5	7.71	4960	1.07
3071	23.1	3.4	14.1	0.15	3.2	0.055	2.18	43.1	22.7	0.72	1400	0.83
3072	19.5	5.11	6.88	0.12	1.8	0.028	1.16	27	10.5	6.86	5860	1.25
3073	33.7	4.23	12.25	0.14	2.8	0.051	1.91	36.4	20.4	1.6	3310	1.27
3074	8.8	0.87	3.7	0.05	0.8	0.013	0.55	8.7	4.5	0.21	515	0.5
3075	10.1	2.78	7.03	0.07	1.6	0.029	1.57	21	11.6	0.41	3450	0.67
3076	20.5	2.88	9.8	0.12	2.6	0.036	1.53	33.3	16.6	0.53	2170	0.85
3077	23.8	3.98	12.8	0.14	2.8	0.047	1.5	42.5	24.2	0.91	3730	0.84
3078	30.9	4.3	10.7	0.14	2.4	0.04	1.81	37.4	17.4	3.04	6850	0.82
3079	26	4.25	12.85	0.14	2.8	0.049	1.58	43.2	23.8	0.86	4490	1.04
3080	19.6	2.44	8.87	0.1	2.2	0.027	1.58	23.4	20.9	6.37	2680	0.76
3081	25	3.31	9.29	0.12	2.3	0.038	1.9	32.9	15.7	3.17	5700	0.8
3082	15.6	1.25	4.09	0.06	1	0.02	0.71	11.9	7.4	0.43	1395	0.66
3083	37.3	3.07	11.65	0.12	2.7	0.049	2.26	35.8	18.1	1.17	4080	0.9
3084	26.4	3.22	11.4	0.11	3	0.037	2.78	27.1	16.8	4.1	3140	1.15
3085	28.4	2.71	7.6	0.09	1.9	0.037	1.99	21.1	17.2	6.36	3700	0.51
3086	17.6	2.16	7.84	0.09	2.2	0.031	2.25	22	14.1	6.24	1730	0.45
3087	27.2	2.74	9.68	0.1	2.9	0.032	2.4	27.1	15.9	6.08	3110	0.44
3088	25.3	3.14	12.7	0.12	3.4	0.045	2.52	33	21.1	1.53	2990	0.71
3089	24.1	2.73	9.47	0.11	2.4	0.041	1.65	25	15.1	0.84	3210	0.99
3090	35.4	3.43	12.75	0.12	2.7	0.04	1.91	27.1	17.6	2.62	2560	0.92
3091	31.4	4.21	5.1	0.09	1.4	0.021	1.1	15.4	7.8	6.78	3520	2.96
3092	19.9	6.91	14	0.16	3.2	0.064	1.65	44.7	19.4	0.68	5800	1.65
3093	43.5	7.3	11.55	0.16	2.5	0.04	1.34	36.4	12.5	3.79	8180	2.31
3094	31.2	8.32	7.41	0.13	1.9	0.024	1.26	22.9	8.8	6.67	4340	3.44
3095	25.8	6.11	8.72	0.11	2.8	0.025	1.53	22.7	10.8	7.1	4180	2.51

Sample Number	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm
3096	24.9	6.87	5.77	0.12	1.5	0.016	1.1	15.8	7.3	7.27	5040	2.41
3097	24.4	7.12	5.79	0.11	1.5	0.017	1.16	15.5	7.4	7.84	5260	2.31
3098	39	11.55	10.1	0.18	2.9	0.032	1.47	29.5	11.2	3.56	5830	3.98
3099	35	11.15	7.09	0.15	2	0.023	1.45	18.2	7.2	5.21	5360	4.12
3100	33.3	13.75	12.3	0.18	3.9	0.033	2.76	26.5	11.8	3.55	3620	4.75
3164	21.4	3.81	14.65	0.16	3.9	0.059	2.02	48.4	24.1	0.73	785	0.67
3165	18.8	3.35	12.65	0.18	3.3	0.06	1.73	46.7	19.2	0.57	1870	0.76
3166	19.4	2.79	11	0.13	2.7	0.049	1.52	36.3	16.6	0.55	1150	0.75
3167	17.9	4.56	11.85	0.17	3.5	0.05	1.91	47.3	16.8	1.35	7150	1.22
3168	18.4	5.41	10.05	0.13	2.5	0.037	1.3	34.6	14.4	3.05	8100	1.13
3169	19.9	5.21	11.4	0.14	2.5	0.042	1.32	35	18.2	2.21	8040	1.08
3170	16.2	4.38	7.26	0.12	1.7	0.025	1.03	26.3	10.5	5.38	10250	0.73
3171	20.8	4.45	7.25	0.09	1.6	0.03	0.91	24.2	11	4.35	8350	1.07
3172	22.8	4.41	8.76	0.13	2.1	0.031	1.17	33	13.2	2.63	7090	1.09
3173	29.4	5.94	12.05	0.17	3.2	0.045	1.62	49.3	18.7	2.47	10250	1.29
3174	29.4	5.53	15.1	0.18	4.3	0.054	2.72	40.4	24.8	0.77	5000	1.02
3175	11.6	4.35	19.1	0.14	5	0.055	2.41	42.8	25.3	0.52	270	1.47
3176	13.3	4.12	14.7	0.11	3.9	0.05	2.28	32.2	11.8	0.42	626	1.39
3177	11.8	3.39	14.4	0.15	4.5	0.046	2.58	46.9	9.8	0.44	746	0.92
3178	13.9	2.19	6.97	0.1	1.9	0.029	1.13	22	9.6	0.8	2180	0.91
3179	16.9	2.64	8.89	0.11	2.4	0.036	1.38	30.6	13.8	0.81	2180	0.66
3180	25	2.68	8.88	0.11	2.3	0.035	1.69	28.4	15	3.38	3200	0.71
3181	21.6	2.63	8.63	0.11	2.4	0.034	1.51	27.1	14.5	2.03	2230	0.9
3182	24.4	4.89	11.05	0.14	2.9	0.046	1.88	34.4	19.9	0.97	5660	1.29
3183	26.5	3.42	13	0.14	3.2	0.047	2.13	36.2	24.5	1.38	1690	0.91
3184	14.7	2.63	5.25	0.08	1.4	0.032	1.18	18.7	9.3	1.71	2800	0.58
3185	40.3	7.25	7.4	0.1	1.5	0.02	1.18	13.1	9.6	7.74	3560	2.74
3186	31.3	3.98	5.87	0.09	1.5	0.018	1.12	15.2	9.8	7.06	2570	1.75
3187	29.7	5.52	13.25	0.14	2.8	0.05	1.96	33.3	24.4	1.22	6890	1.84
3188	27.2	5.17	5.55	0.12	1.5	0.019	0.93	16.2	9.8	7.3	2380	2.27
3189	24.6	4.49	8	0.11	3.1	0.029	2.31	21.9	9.9	6.73	3780	1.87
3190	30.2	6.83	5.16	0.09	1.4	0.02	1.54	13.9	6.6	5.59	4040	2.03
3191	35.1	5.96	9.21	0.12	2.4	0.033	1.56	27.4	12.8	5.2	4760	2.58
3192	20.3	4.45	12.2	0.14	3	0.051	1.86	36	19.4	0.54	3980	1.42
3193	11.5	2.19	8.13	0.09	2.3	0.038	1.29	25.9	15	0.38	597	1.04
3194	19	4.29	17.65	0.16	4.9	0.056	3.11	38.7	39	1.39	1850	1.7
3195	28.3	4.41	11.45	0.13	3	0.039	2.18	30.4	22	3.36	1840	2.12
3196	11.5	1.79	4.83	0.08	1.4	0.02	0.91	15.3	8.7	0.94	919	1.1
3197	6.8	1.05	3.31	0.06	0.9	0.01	0.62	8.9	4.6	0.29	518	0.74
3198	29.3	4.4	11.7	0.13	3	0.04	2.32	28.6	22.5	3.21	1670	2.08
3841	9.3	1.85	6.11	0.07	1.5	0.023	0.57	15.4	14	5.35	315	44.9
3842	11.1	1.66	5.21	0.08	1.4	0.017	0.44	15	11	6.31	347	38.2
3843	19.5	1.1	2.48	0.05	0.6	0.011	0.21	10.1	4.8	0.84	955	11.35
3844	10.7	2.59	7.73	0.09	1.8	0.028	1.67	21.8	19.3	6.68	282	26
3845	12.2	1.36	4.79	0.06	1.2	0.021	0.5	15.7	10.1	1.76	475	15.8
3846	8.7	0.55	2.21	<0.05	0.4	0.01	0.21	5.7	4.2	0.59	594	7.12
3847	10.8	1.51	4.81	0.07	1.3	0.023	0.6	13.3	11.8	0.58	408	7.12
3848	20.5	4.52	13.75	0.13	5.3	0.056	1.42	39.3	56.7	1.18	1705	15.05
3849	12.7	3.45	13.1	0.11	3.1	0.049	1.18	31.1	25.1	0.63	586	9.01
3850	12.6	2.03	8.79	0.07	2.5	0.024	0.73	16.3	41	0.88	720	3.92
3851	20	1.83	6.14	0.08	1.6	0.028	0.89	17.6	8.6	0.64	578	4.03
3852	23.8	3.42	12.35	0.12	3.2	0.05	2.51	32.5	21.8	0.82	647	3.61
3853	32.3	4.87	14	0.18	3.6	0.061	2.64	48.6	23.1	0.76	1680	2.47
3854	21.1	3.14	15.25	0.15	3.9	0.058	2.7	48.1	20.1	0.63	895	1.46

Sample Number	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm
3855	17.6	2.41	14.95	0.13	3.8	0.043	2.16	39.4	13.3	0.4	211	1.46
3856	14.8	1.38	6.26	0.06	1.5	0.022	0.86	16.5	7.2	0.27	2510	0.81
3857	19.7	4.11	15.6	0.14	3.6	0.061	2.11	46.2	25.7	0.78	1375	1.17
3858	11.6	1.12	6.01	0.05	1.6	0.022	0.78	15.6	4.6	0.22	567	1.13
3859	24.1	3.11	13.95	0.12	3.1	0.049	1.51	44.7	29.6	0.58	3110	1.32
3860	13.4	2.77	14.15	0.11	3.3	0.039	1.59	39.8	10.8	0.57	373	1.36
3861	77.1	3.65	8.63	0.11	2.3	0.035	1.74	31	10.1	3.76	682	15.6
3862	18.4	1.84	8.54	0.08	1.8	0.036	0.87	23.6	7.4	0.49	669	2.8
3863	15.3	1.1	4.85	0.07	1.2	0.022	0.53	14.6	5.2	0.44	535	1.02
3864	18.1	1.55	6.59	0.08	1.5	0.03	0.81	17.8	7.1	0.4	921	1.36
3865	15.9	2.01	7.13	0.1	1.7	0.033	1.07	20.4	7.8	0.47	939	2.52
3866	13.2	0.81	2.06	0.05	0.5	0.01	0.34	5.4	2.8	0.44	229	2.47
3867	9.8	1.29	4.7	0.06	1.3	0.025	0.89	17.4	6.1	0.38	602	2.64
3868	27	5.56	12.8	0.15	3.1	0.063	2.19	45.4	16	0.58	2200	4.11
3869	12.1	2.97	8.2	0.1	2.4	0.037	1.73	27.2	11.6	0.63	467	10.15
3870	12.1	2.32	7.24	0.09	2	0.033	1.24	27.7	9.8	0.55	948	6.32
3871	15	4.17	14.15	0.14	2.9	0.06	1.46	43.8	22.5	0.73	1415	2.62
3872	14.9	4.16	13.65	0.13	2.8	0.06	1.46	41.7	21.6	0.72	1535	2.58
3873	10.6	2.4	6.64	0.09	1.6	0.036	1.13	16.5	11.1	2.68	862	10.5
3874	11.8	2.07	6.31	0.08	1.6	0.026	0.75	16.3	9.2	2.85	449	19.7
3875	9.2	1.6	4.3	0.08	1.2	0.04	0.29	15.2	4.6	0.55	1050	27.4
3876	6.7	0.71	2.17	0.05	0.6	0.014	0.19	7	3.4	2.92	357	16.05
3877	12.6	1.39	5.83	0.08	1.2	0.023	1	14.5	15.8	3.48	416	4.82
3878	13.2	1.32	4.42	0.07	1.1	0.017	0.53	13	9.3	5.14	313	46.4
3879	10.4	1.55	4.6	0.07	1.3	0.02	0.43	13.9	8.4	5.46	414	32.9
3880	14.2	2.45	6.02	0.07	1.6	0.026	0.53	17.1	10.4	1.33	637	35.4
3881	18	3.85	8.89	0.1	2	0.034	1.48	22.6	18.6	0.56	458	29.9
3882	15.4	3.22	7.75	0.09	1.9	0.032	1.23	21.4	14.6	2.76	490	23.3
3883	10.8	2.58	4.43	0.08	1	0.016	0.89	10.5	10.7	2.31	438	22.3
3884	11.9	2.57	5.99	0.08	1.6	0.026	1.04	16.8	13	1.84	494	14.75
3885	13.5	2.97	6.14	0.11	1.3	0.021	1.5	14.3	13	1.08	518	15.5
3886	7.9	1.17	3.83	0.16	0.8	0.016	0.59	10.7	9.8	0.55	853	5.53
3887	9.9	1.41	5.44	0.16	1.1	0.025	0.58	13.5	10	0.92	771	8.99
3888	11.4	1.9	4.1	0.1	0.9	0.017	0.85	15.1	6.6	0.3	1485	2.47

Sample Number	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm
2588	0.12	7.3	62.6	950	9.3	176	<0.002	0.03	2.43	18.8	2	13.5	17
2589	0.08	2.4	34	1170	135.5	215	0.096	0.28	8.9	17.8	2	6.7	232
2590	0.03	4.6	18.9	500	16.2	160	<0.002	0.2	4.24	8.3	2	4.3	657
2150	0.46	27.3	34.9	790	27.9	122	<0.002	0.07	0.97	14.1	3	1.9	91.6
2151	0.17	20.9	29.2	1390	33	97.6	<0.002	0.19	0.82	9.8	3	1.4	58.5
2152	0.12	14.5	14.6	630	41	71.1	<0.002	0.04	1.09	5.7	2	1.3	70.1
2153	0.15	16.2	17.2	1570	44.6	76.7	<0.002	0.2	0.76	7.5	2	1.2	62.3
2154	0.31	46.2	29.7	1180	24	145.5	<0.002	0.03	0.87	12.3	2	2.5	103.5
2155	0.1	13.9	14.9	1810	20.5	54.1	<0.002	0.22	0.85	6.4	2	1	67.6
2156	0.1	11.2	10	1850	53.1	44.7	<0.002	0.25	1.06	5.4	2	0.8	60.5
2157	0.21	15.2	13	1230	145.5	64.5	<0.002	0.06	1.38	7.2	2	1.2	122.5
2158	0.17	12	10.9	1190	160	52.7	<0.002	0.07	1.02	6.1	2	1	91.6
2159	0.14	9.1	9.9	1620	104	47.7	<0.002	0.24	0.86	5.6	2	0.9	48.2
2160	0.18	9.2	10.6	730	132	42.1	<0.002	0.06	1.11	5.4	2	0.8	64.3
2161	0.14	9.3	8.8	670	52.9	35.9	<0.002	0.16	0.82	4.6	2	0.7	146
2162	0.1	9.4	7.7	940	75.5	37.9	<0.002	0.36	0.99	3.8	2	0.8	72.3
2163	0.36	18.4	20.6	700	54.7	104	<0.002	0.06	1.34	10.3	2	1.9	84.9
2164	0.13	22.2	15	1040	24.9	103	<0.002	0.17	0.77	9.5	2	1.8	56.6
2165	0.25	14	11.8	1330	34.6	80.4	<0.002	0.18	0.8	8	2	1.4	63.3
2166	0.23	11.8	14.7	1400	100	63	<0.002	0.21	1	7	2	1.2	51.2
2167	0.24	11.6	22.3	1360	105.5	78.3	<0.002	0.21	1.82	8.2	3	1.1	52.6
2168	0.26	6.8	16.3	1250	40.8	41.4	<0.002	0.15	1.3	5.2	3	0.7	68.8
2169	0.07	3.9	7.1	300	13.1	22.7	<0.002	0.04	0.57	2.1	2	0.3	51.7
2170	0.21	18.9	25.9	1500	44.7	89.9	<0.002	0.16	1.22	9.5	3	1.2	61.1
2171	0.34	29.5	30.9	930	342	93.5	<0.002	0.08	2.92	9.5	3	1.6	81.8
2172	0.36	22.9	38.6	1050	1635	94.8	<0.002	0.21	15.3	9.5	3	1.4	86.8
2173	0.32	17.6	21.5	1240	153.5	74.7	<0.002	0.17	1.11	7.7	3	1	70.5
3069	0.2	13.9	18.1	1530	118.5	59.9	<0.002	0.23	1.89	6.9	3	0.9	45.5
3070	0.16	14.4	15.9	560	150.5	55.7	<0.002	0.06	3.11	5.8	2	0.8	52.3
3071	0.27	22.3	26.2	1220	55.7	113	<0.002	0.13	0.87	12.2	3	1.6	65.2
3072	0.21	12.9	17.3	610	1115	48.1	<0.002	0.14	4.77	5.5	2	0.8	58.7
3073	0.28	19.9	23.1	1260	1115	97.8	<0.002	0.18	4.9	11.5	3	1.4	70.4
3074	0.1	5	5.1	1100	25.3	26.9	<0.002	0.24	0.3	3.1	3	0.4	42.7
3075	0.15	10.7	10.4	1650	32.8	55.2	<0.002	0.21	0.45	6	3	0.8	40.35
3076	0.16	17.3	23.2	1230	29.8	79.9	<0.002	0.21	0.84	8.5	3	1.1	58.7
3077	0.64	15.8	28.9	830	36.3	78.1	<0.002	0.08	1.47	11.4	3	1.4	114
3078	0.29	14.9	23	1090	43.6	80.7	<0.002	0.12	1.3	8.7	3	1.2	69.8
3079	0.41	16.3	26.9	1160	49.6	87.2	<0.002	0.11	1.46	11.1	3	1.5	83.4
3080	0.13	13.9	22	930	49.8	72.4	<0.002	0.06	1.58	6.8	2	1.1	47.4
3081	0.17	14.2	19.4	1410	80.6	75.3	<0.002	0.14	1.37	8.1	1	1.1	47.7
3082	0.11	6.3	6.9	1170	91.9	31.4	<0.002	0.23	0.58	3.5	1	0.5	42
3083	0.17	14.9	23.5	1370	127.5	95.3	<0.002	0.17	1.86	8.8	2	1.3	44.8
3084	0.1	16	23.5	1230	124	112.5	<0.002	0.08	2.13	8	1	1.4	40.5
3085	0.16	11.8	13.8	910	1645	65.5	<0.002	0.07	1.27	5.9	1	0.9	47
3086	0.19	14.3	14.9	830	55.9	71.3	<0.002	0.1	1.09	6.2	<1	1	76.9
3087	0.13	15.8	25.4	770	104	89.9	<0.002	0.07	1.75	7	1	1.2	56.2
3088	0.22	18	22.3	1080	257	111.5	<0.002	0.13	1.86	9.2	1	1.6	51
3089	0.26	11.5	18	1220	210	69.4	<0.002	0.18	1.66	7	1	1.1	58.2
3090	0.15	15.4	22.7	1200	462	96.75	<0.002	0.14	3.58	8.9	1	1.6	39.4
3091	0.11	7.7	27.8	570	632	39.4	<0.002	0.2	7.73	3.9	1	0.7	45.6
3092	0.31	19.5	27.7	1170	111	89.1	<0.002	0.11	1.65	11.7	2	1.6	60.5
3093	0.29	15.1	30.2	840	3310	59.2	<0.002	0.16	5.83	8.5	2	1.1	64.4
3094	0.17	10.9	23.9	490	2200	43.9	<0.002	0.35	11.85	4.8	1	0.7	53.5
3095	0.13	17.1	20.9	600	1220	59.6	<0.002	0.31	8.33	5.4	1	1	46.1

Sample Number	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm
3096	0.14	8.9	16.9	450	1125	34.3	<0.002	0.19	6.67	3.5	1	0.6	45.6
3097	0.15	9.3	16.8	480	1125	35.4	<0.002	0.19	6.51	3.6	1	0.6	47.1
3098	0.16	19.1	28.7	820	1700	64.9	<0.002	0.5	12.4	6.3	2	1.1	47
3099	0.07	12.8	22.7	500	1510	40	<0.002	0.72	12.95	4	2	0.7	32.1
3100	0.12	27.8	26.8	640	1450	83.2	<0.002	1.1	14	6.2	1	1.3	44.2
3164	0.42	23.2	28	950	26.7	113.5	<0.002	0.12	0.71	13.7	2	1.7	80
3165	0.29	21.2	24.6	1190	25	90	<0.002	0.16	0.66	12	2	1.5	63
3166	0.2	15.9	21.8	1210	21.1	93.3	<0.002	0.18	0.56	11.2	2	1.3	59.1
3167	0.24	23.8	19.1	990	103	83.6	<0.002	0.18	0.91	8.5	2	1.4	61
3168	0.39	15	23.4	920	279	60.9	<0.002	0.11	1.74	8.1	2	1.1	78.7
3169	0.57	13.6	26.2	810	183	64.9	<0.002	0.09	1.43	9.7	1	1.3	100.5
3170	0.28	10.1	18	840	512	43.3	<0.002	0.1	1.68	5.7	1	0.8	61.7
3171	0.28	8.7	19	980	609	41.6	<0.002	0.15	2.77	5.8	2	0.8	61.8
3172	0.38	12.3	19.6	1310	284	52.4	<0.002	0.15	3.02	7.5	2	0.9	74.2
3173	0.35	20.6	28.1	1150	181	80.3	<0.002	0.1	3.06	10.9	2	1.4	73.1
3174	0.26	32	25.1	1360	564	112.5	<0.002	0.11	1.91	12.8	2	1.7	57.1
3175	0.44	35	14.5	600	17.6	120	<0.002	0.03	0.94	10.4	1	2.4	80.1
3176	0.33	26.2	13.4	1810	21.1	105	<0.002	0.14	0.77	9.5	1	1.7	66.2
3177	0.19	34	11.2	1420	17.5	115	<0.002	0.13	0.54	9.4	2	1.8	54.5
3178	0.19	10.7	13.9	1570	21.4	50.5	<0.002	0.21	0.76	6.4	1	0.8	47.2
3179	0.24	13.7	16.5	1580	25.2	66.6	<0.002	0.17	0.89	8.2	1	1.1	50.6
3180	0.21	11.6	20.3	1240	39.2	73.4	<0.002	0.12	1.55	8.1	1	1	56.3
3181	0.31	12	18.6	1580	41.1	65.8	<0.002	0.17	1.39	8.7	2	1	66
3182	0.35	15.3	24.1	1750	71.7	77.8	<0.002	0.18	1.76	10.9	2	1.3	71.1
3183	0.39	16.5	27.4	1270	43.4	95.9	<0.002	0.09	1.42	12.1	2	1.5	80.6
3184	0.2	7.3	11.5	1370	35.5	37.9	<0.002	0.18	0.78	5.3	1	0.6	46.8
3185	0.08	8.6	18.9	610	8070	42.4	<0.002	1.47	17.45	3.9	2	0.6	51.6
3186	0.11	8.1	22.6	600	2580	42.5	<0.002	0.26	10.15	4.4	1	0.6	56.6
3187	0.37	14.9	33.6	1180	1055	84.7	<0.002	0.13	5.02	11.2	2	1.4	72.5
3188	0.14	8.1	22.9	450	2470	36.1	<0.002	0.34	10.5	4.7	2	0.6	73.1
3189	0.09	18.8	30.1	570	1470	61.8	<0.002	0.24	10.95	5.7	2	1	50.7
3190	0.17	7.8	18.2	620	2220	32.5	<0.002	0.3	7.22	3.7	2	0.6	44.8
3191	0.24	13.3	30.2	710	1755	57	<0.002	0.25	9.41	7	2	1	65.4
3192	0.45	16.7	18.7	1330	572	73.5	<0.002	0.17	2.63	11.2	2	1.3	90.9
3193	0.4	12.6	11.9	970	89.1	52.2	<0.002	0.18	0.91	7.4	2	0.9	79.1
3194	0.35	27.6	32.3	920	93	150.5	<0.002	0.12	1.09	12.8	2	2.1	98.2
3195	0.23	16.7	27.3	910	696	94.1	<0.002	0.19	5.6	9.8	2	1.4	72.5
3196	0.19	7.4	9.5	930	192	40.1	<0.002	0.23	1.62	4.4	2	0.5	70.4
3197	0.16	5.6	5.4	1060	69.5	27.3	<0.002	0.27	0.72	2.9	2	0.4	58.2
3198	0.23	16.9	28.1	910	699	97	<0.002	0.2	5.44	9.8	2	1.3	71.4
3841	0.92	6.8	24.5	2680	56	25.7	0.007	0.13	1.45	5.9	3	0.8	74.6
3842	0.93	6	28.9	4280	73.3	18.6	0.007	0.13	1.76	5	4	0.7	84.9
3843	0.22	2	36.5	1760	20.3	10	0.006	0.32	1.46	2.7	5	0.3	39.4
3844	0.28	9.7	14	1390	30.7	56.1	0.002	0.05	1.14	6	3	0.9	98.3
3845	0.42	4.6	15.7	1970	35.1	24.9	<0.002	0.21	1.1	4.4	3	0.6	54.9
3846	0.12	1.5	5.9	1260	7.4	8.7	<0.002	0.22	0.51	1.8	3	0.3	39.2
3847	0.31	6.5	12.3	1410	38.7	27.7	<0.002	0.26	0.88	4.7	2	0.7	45.9
3848	1.15	33.6	37.3	1810	161	70.8	<0.002	0.17	2.05	16	2	1.5	65.6
3849	1.14	18.7	20.1	1140	131	56.5	<0.002	0.13	1.35	11.4	1	1.6	66.2
3850	0.68	14.3	23	1020	63.8	36.2	<0.002	0.22	0.8	6.6	1	0.8	37.3
3851	0.28	7.5	14.3	1100	677	41.3	<0.002	0.26	0.75	6.7	1	0.8	45.5
3852	0.28	19.3	22.8	1060	615	96.6	<0.002	0.18	1.02	11.5	2	1.5	51.1
3853	0.39	18.8	33.2	1060	1430	99.2	<0.002	0.1	1.51	14	1	1.7	67.2
3854	0.39	23.1	20.7	950	548	102.5	<0.002	0.07	0.9	13	1	1.8	71



Sample Number	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm
3855	0.35	21	9.2	680	131.5	98.3	<0.002	0.06	0.7	8.4	1	1.8	54.6
3856	0.19	7.6	6.7	1290	18.4	43.8	<0.002	0.17	0.39	4.5	1	0.7	33.4
3857	0.61	17.5	20.7	940	35.6	98.4	<0.002	0.04	0.84	11.8	1	1.8	92.1
3858	0.27	6.5	5.1	1410	22.6	36.9	<0.002	0.16	0.38	4.9	1	0.7	39.9
3859	0.44	15.1	13.1	1600	27	98.3	<0.002	0.14	0.77	9.9	1	1.6	78
3860	0.77	14.1	13.2	400	18.8	83.9	<0.002	0.02	0.94	9	1	1.7	120
3861	0.27	10.3	28.9	1580	2740	64.5	<0.002	0.18	2.01	7.2	1	1	68.8
3862	0.48	7	12.5	1250	46.9	48.5	<0.002	0.21	0.81	7.1	1	1	87.8
3863	0.22	4.5	7.3	1440	43.8	27.9	<0.002	0.26	0.39	4.6	1	0.6	57.3
3864	0.26	6.3	9.7	1330	30.9	41.6	<0.002	0.24	0.56	5.8	1	0.8	57.9
3865	0.16	8.2	11.2	1040	388	47.9	<0.002	0.22	0.71	6.7	1	0.9	44
3866	0.07	2.2	12	950	253	14	<0.002	0.27	0.37	1.9	1	0.3	33.1
3867	0.12	8.9	9.1	1110	137.5	30.9	<0.002	0.29	0.42	3.6	1	0.6	39.8
3868	0.44	18.6	30.7	1690	7580	81.8	<0.002	0.49	2.24	12.7	2	1.5	56.8
3869	0.24	16.4	16.6	1510	80.5	55.8	<0.002	0.28	0.75	7.2	1	1.1	33.1
3870	0.27	12.2	15.2	1640	45.1	45.9	<0.002	0.23	0.77	6.1	2	0.9	51.4
3871	0.68	13.3	28.6	1000	30.5	70.5	<0.002	0.08	1.15	12.5	1	1.7	117.5
3872	0.67	12.6	27.7	1050	29.6	69.5	<0.002	0.09	1.14	12.2	1	1.6	116.5
3873	0.31	8.4	15.7	1420	55.9	45.5	<0.002	0.19	1.3	5.4	1	0.8	49.2
3874	0.63	8.7	20.4	1840	62.4	33.7	<0.002	0.2	1.67	5.6	1	0.8	55.6
3875	0.6	5.4	17.5	2040	39.8	13.9	0.002	0.34	1.31	5	2	0.4	38.2
3876	0.2	2.4	11.8	2330	26.5	8.9	0.002	0.27	0.84	2.3	2	0.3	50.8
3877	0.15	6.3	14.5	1560	56.5	38.4	<0.002	0.22	0.82	5	1	0.6	72.2
3878	0.36	5.9	35	2840	61	22.3	0.003	0.19	2.07	4	2	0.5	82.3
3879	0.62	7.1	26.2	3620	51.1	18.8	0.002	0.16	1.96	4.4	2	0.5	79.2
3880	0.69	7.7	33.1	1780	56.3	26	0.002	0.25	2.08	5.7	2	0.7	45.1
3881	0.61	11.1	32.4	2880	85.2	59.5	0.002	0.26	2.05	7.8	2	1	47.4
3882	0.78	10.2	26.3	2640	52.5	46.9	<0.002	0.2	1.42	7	2	0.9	57.3
3883	0.14	5.1	19	1450	31.9	29	<0.002	0.23	1.38	3.7	3	0.6	47.9
3884	0.42	8.6	18.6	1300	33	34.5	<0.002	0.22	1.04	5.2	2	0.7	48
3885	0.1	8.1	23.5	1550	37.2	44.3	<0.002	0.22	0.91	5.4	3	0.7	40.3
3886	0.1	4.1	7.1	1370	21.4	21.1	<0.002	0.28	0.46	3.1	2	0.5	33.8
3887	0.18	5	11.9	2040	26.9	24.1	<0.002	0.27	0.7	5	3	0.7	53.3
3888	0.19	6.1	8.7	1390	22.4	21.8	<0.002	0.27	0.56	4.4	2	0.5	40.9

Sample Number	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
2588	0.38	0.06	14.1	0.261	0.86	8.4	99	38.3	19.7	37	121	0.003
2589	0.1	0.18	2.5	0.32	1.97	1040	246	30	23.3	34	91.2	0.159
2590	0.21	0.12	8.5	0.125	0.75	93.2	52	18.9	19	20	54.5	0.024
2150	1.66	<0.05	13.1	0.655	0.65	4	109	1.2	28.8	96	168	0.005
2151	1.18	<0.05	8.9	0.471	0.68	2.4	88	0.9	24.3	119	113	0.004
2152	0.87	<0.05	6.4	0.29	0.53	1.3	45	0.8	13.1	149	87.3	0.005
2153	0.91	<0.05	6.6	0.325	0.5	1.5	55	0.8	17.5	297	89.7	<0.001
2154	2.4	<0.05	12.9	0.755	0.86	2.5	106	1.4	25.9	105	209	<0.001
2155	0.79	<0.05	5.2	0.292	0.4	1.5	49	0.6	14.3	65	78.6	0.001
2156	0.59	<0.05	4.4	0.208	0.45	4.5	54	0.8	13.8	384	60.6	0.003
2157	0.86	<0.05	6.2	0.27	0.8	5.8	78	0.9	14.8	1020	82	0.001
2158	0.68	0.05	5.2	0.218	0.72	5.9	79	0.9	14.2	456	66.7	0.002
2159	0.52	0.05	5.3	0.184	0.64	4	52	0.7	13	433	58.2	<0.001
2160	0.55	0.05	4.6	0.18	1.02	3.1	51	0.7	12.1	355	53.2	0.002
2161	0.55	<0.05	4.5	0.181	1.11	3.1	42	0.6	10.1	228	53.6	<0.001
2162	0.53	<0.05	4.4	0.142	0.91	5.2	52	0.6	10.6	636	51.3	<0.001
2163	1.18	0.05	11.1	0.375	2.19	2.9	87	1.6	22	145	114	<0.001
2164	1.27	<0.05	10.6	0.312	1.2	2.2	62	1.2	20.5	73	127.5	0.006
2165	0.83	0.05	7.1	0.271	1.37	2.4	64	1	14.2	46	84.4	0.002
2166	0.73	<0.05	6.7	0.234	1.26	2	56	0.9	14.5	303	73.1	0.001
2167	0.68	0.06	7.9	0.268	2.1	2.3	65	0.9	18.7	894	81.5	0.001
2168	0.41	0.06	4.5	0.177	1.52	1.3	39	0.5	12.1	206	49.3	0.004
2169	0.22	<0.05	1.7	0.084	0.43	0.5	13	0.3	5.5	74	25.4	0.003
2170	1.02	0.05	7.6	0.413	1.09	2.1	68	0.8	25.4	547	105.5	0.002
2171	1.58	<0.05	9.4	0.633	1.05	2.1	83	1	21.8	1725	147	0.001
2172	1.21	<0.05	8	0.469	2.73	2.3	74	0.8	20.8	5440	117.5	<0.001
2173	0.94	<0.05	6.6	0.412	0.98	1.5	63	0.7	16.4	1710	92.2	0.001
3069	0.82	<0.05	5.5	0.307	1.41	3.6	63	0.5	18.5	3010	85.5	0.004
3070	0.79	<0.05	5	0.308	1.5	1.5	44	0.5	14.6	2330	81.3	0.005
3071	1.28	<0.05	10.8	0.506	0.68	2.8	88	1	26.7	279	131	0.003
3072	0.73	<0.05	5.5	0.29	2.77	1.5	44	0.7	14.5	3800	76	0.004
3073	1.14	<0.05	8.6	0.44	1.14	2.8	80	0.8	25.5	2900	114	0.01
3074	0.25	<0.05	2.3	0.124	0.26	0.8	25	0.1	5.7	110	33.6	0.012
3075	0.64	<0.05	5.2	0.361	0.44	2.5	69	0.6	13.6	204	74.9	0.003
3076	1.02	<0.05	8.1	0.41	0.59	2.9	67	0.7	19.2	115	106.5	0.005
3077	1.01	<0.05	10.4	0.433	0.77	2.6	90	1	24.7	108	107	0.005
3078	0.88	<0.05	8.1	0.355	1.09	2.3	68	0.8	22.1	539	99.4	0.004
3079	1.01	<0.05	10.6	0.446	1.55	2.4	93	1.3	23.9	176	108.5	0.004
3080	0.83	<0.05	6.9	0.309	1.25	1.9	45	0.7	15.4	103	91.2	0.005
3081	0.77	<0.05	7.1	0.288	1.28	3	69	0.8	20.6	316	84.7	0.005
3082	0.34	<0.05	3	0.124	0.53	1.9	32	0.5	7.2	391	37.1	0.006
3083	0.83	0.05	9.2	0.301	2.54	5.2	79	0.9	21.2	4340	93.5	0.005
3084	0.86	<0.05	9.4	0.304	3.36	7.3	87	1	18	248	104	0.005
3085	0.64	<0.05	5.7	0.237	1.69	4.3	65	0.8	13.7	1865	65.4	0.003
3086	0.79	<0.05	6.6	0.259	2.19	3.1	59	0.8	13.7	181	79.8	0.004
3087	0.9	<0.05	8.6	0.27	2.29	2.9	58	1	16.4	651	98.8	0.005
3088	1.03	<0.05	10.7	0.326	2.19	3.4	68	1.1	20	1215	115.5	0.007
3089	0.68	<0.05	7.1	0.246	1.7	2.7	56	0.8	15.1	1495	79.7	0.005
3090	0.85	0.05	8.9	0.3	3.96	3.3	70	1	18.9	4870	96.6	0.009
3091	0.44	<0.05	4.2	0.173	4.04	1.7	30	0.5	9.4	5050	51	0.007
3092	1.07	0.05	9.8	0.489	1.71	2.8	95	1	26.1	1275	113.5	0.006
3093	0.84	0.05	7.8	0.348	1.92	1.9	68	0.7	19.4	7090	89.9	0.004
3094	0.6	<0.05	5.5	0.231	1.96	2	42	0.5	11.4	9310	69	0.006
3095	0.93	<0.05	6.1	0.306	1.69	2	43	0.5	12.9	9360	104.5	0.005

Sample Number	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
3096	0.48	<0.05	3.5	0.163	1.38	1.4	26	0.4	8.7	5610	54.3	0.003
3097	0.51	<0.05	3.6	0.172	1.3	1.4	28	0.4	8.9	5670	56.4	0.005
3098	1.02	<0.05	6.9	0.339	4.25	2.2	47	0.6	16.3	>10000	107.5	0.009
3099	0.68	<0.05	4.5	0.215	4.64	1.7	29	0.4	10.5	>10000	75.1	0.003
3100	1.42	<0.05	7.7	0.44	5.14	2.8	53	0.8	14.3	9290	149.5	0.003
3164	1.32	<0.05	12.8	0.555	0.62	2.9	95	1.1	27.9	90	136.5	0.002
3165	1.18	<0.05	11	0.458	0.52	2.6	71	1	26.5	91	116	0.004
3166	0.91	<0.05	9.2	0.37	0.49	2.5	68	0.8	22.1	111	95	0.005
3167	1.29	0.05	8.8	0.409	0.76	2.2	63	0.8	25.2	1490	130.5	0.005
3168	0.83	<0.05	8	0.364	0.77	2.2	74	0.8	17.9	3290	88.4	0.006
3169	0.82	0.05	8.6	0.36	0.97	2.4	90	1	17.9	1320	85	0.008
3170	0.56	<0.05	5.5	0.239	0.63	1.5	49	0.5	14	4360	61.5	0.005
3171	0.5	<0.05	5.4	0.222	1.12	1.5	50	0.6	13.6	8370	57.1	0.006
3172	0.69	<0.05	6.8	0.303	0.77	1.8	64	0.6	18.7	5710	74.7	0.005
3173	1.11	<0.05	9.8	0.458	1.1	2.3	84	0.8	29	4080	116	0.003
3174	1.72	0.05	11.2	0.677	1.17	2.4	105	0.9	25.5	955	157.5	0.006
3175	1.91	0.06	11.5	0.787	0.83	2.7	144	1.4	17.5	59	183.5	0.003
3176	1.45	0.06	9.2	0.646	0.65	2.3	116	1	13.7	70	140	0.005
3177	1.77	<0.05	9.7	0.644	0.69	2.1	96	0.9	20.9	46	162	0.008
3178	0.59	<0.05	5.7	0.244	0.76	1.3	47	0.5	13.5	96	65	0.004
3179	0.77	<0.05	7.4	0.315	0.75	1.6	61	0.7	17.5	111	81.7	0.004
3180	0.71	<0.05	7.1	0.268	0.92	1.6	53	0.7	18.9	461	74.3	0.004
3181	0.75	<0.05	6.7	0.295	1.24	1.8	56	0.7	17.8	428	77.2	0.005
3182	0.98	0.06	9.3	0.399	1.61	2.4	76	1	22.4	381	96.4	0.004
3183	1.03	0.06	10.5	0.394	1.35	2.1	79	1.1	24.8	177	97.4	0.004
3184	0.45	<0.05	4.2	0.232	0.59	1.1	44	0.5	11.6	228	46.6	0.004
3185	0.5	<0.05	4	0.182	2.48	2.3	30	0.5	9.3	8800	51.1	0.003
3186	0.47	<0.05	4.3	0.184	2.71	1.9	31	0.5	10.2	5220	51.6	0.003
3187	0.93	0.06	9.3	0.371	3.6	3.3	83	1.1	20.7	5320	85.5	0.004
3188	0.5	<0.05	4.5	0.178	2.26	1.8	35	0.5	11.2	5200	51	0.002
3189	1.12	<0.05	6.2	0.304	2.8	2.2	38	0.6	14.8	7640	111.5	0.003
3190	0.45	<0.05	3.6	0.255	2.65	1.4	43	0.4	8.1	>10000	47.4	0.006
3191	0.8	<0.05	7	0.277	3.22	2.3	48	0.7	17	>10000	76.8	0.005
3192	1.05	0.05	8.5	0.394	1.15	2.4	80	0.8	25.6	2830	100.5	0.008
3193	0.81	<0.05	6.2	0.295	0.49	1.7	52	0.6	15.1	316	74.6	0.006
3194	1.78	<0.05	12.6	0.573	0.85	3.5	87	1.7	25.2	655	158	0.005
3195	1.04	<0.05	8.5	0.344	2.49	2.5	58	0.9	19.7	2750	97.1	0.004
3196	0.45	<0.05	3.7	0.165	0.68	1.1	29	0.4	9.5	831	47.3	0.006
3197	0.34	<0.05	2.3	0.139	0.28	0.6	22	0.2	5.8	378	31.4	0.014
3198	1.03	<0.05	8.5	0.357	2.49	2.5	59	0.9	18.5	2790	96.3	0.005
3841	0.47	<0.05	4.1	0.155	2.31	15.6	96	0.5	12.1	224	46.4	0.008
3842	0.43	0.06	3.6	0.144	2.55	29.3	121	0.5	13.8	303	42.6	0.003
3843	0.15	<0.05	1.7	0.061	1.07	10.9	43	0.2	9.9	180	18.4	0.013
3844	0.67	<0.05	5.7	0.192	2.52	5.2	68	0.8	13.7	147	58.6	0.004
3845	0.35	<0.05	3.6	0.132	3.99	8.7	81	0.6	12.2	185	36.6	0.007
3846	0.1	<0.05	1.6	0.055	0.56	2.4	27	0.2	3.1	199	12.7	0.003
3847	0.37	<0.05	4.3	0.145	2.27	3.3	43	0.6	8.3	204	39.6	0.004
3848	1.88	0.07	17.4	0.551	3.11	6	119	1.6	31.5	803	177	0.003
3849	1.06	0.07	10.2	0.398	2.96	5	97	1.3	17.6	679	106.5	0.007
3850	0.8	0.05	6.9	0.276	1.44	2.5	61	0.7	11.2	374	78.9	0.005
3851	0.45	<0.05	5.5	0.177	2.03	2.7	43	0.6	12.1	1510	48.4	0.007
3852	1.1	<0.05	10.2	0.369	3	3.9	75	1.4	19.6	1530	101.5	0.003
3853	1.11	0.05	13.2	0.428	2.43	3.1	93	1.3	31.5	4050	114	0.006
3854	1.34	0.06	13.7	0.502	1.06	3.1	100	1.3	27	979	124	0.004

Sample Number	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
3855	1.29	0.05	11	0.548	0.9	2.7	108	1.5	14.2	137	118.5	0.007
3856	0.47	<0.05	4.3	0.222	0.38	1.2	47	0.6	6.3	128	46.7	0.004
3857	1.09	<0.05	13.5	0.498	0.65	2.9	117	1.2	20.9	110	110	0.001
3858	0.43	<0.05	4.5	0.206	0.35	1.6	44	0.6	5.7	49	47.3	0.006
3859	0.96	0.06	10.4	0.421	0.75	2.4	95	1.2	18.5	73	96.6	0.003
3860	0.96	<0.05	10.3	0.448	0.58	2.5	109	1.2	13.7	61	97.9	0.004
3861	0.62	<0.05	8.2	0.253	6.96	7.7	70	0.8	16.9	2430	73.2	0.002
3862	0.47	0.05	6.4	0.238	0.63	2.3	66	0.7	11.2	79	57.6	<0.001
3863	0.3	<0.05	4.2	0.145	0.3	1.6	36	0.5	9.3	29	37.8	0.003
3864	0.4	<0.05	5	0.187	0.39	1.6	49	0.5	9.9	122	46.3	<0.001
3865	0.5	<0.05	6	0.191	0.64	2.9	47	0.6	14.5	728	54.5	0.002
3866	0.11	<0.05	1.5	0.056	0.59	2.2	17	0.2	3.7	1910	15	<0.001
3867	0.44	<0.05	4.7	0.121	0.62	1.8	28	0.5	9	585	43	0.005
3868	1.06	0.06	10.9	0.405	1	3.7	98	1.1	26	>10000	102.5	0.001
3869	0.93	<0.05	8.4	0.222	3.58	5.7	55	0.8	16.2	233	79.2	0.002
3870	0.72	<0.05	7.3	0.205	1.56	4.7	54	0.7	16.5	304	65.9	0.006
3871	0.88	0.06	11.4	0.418	0.74	2.9	115	1.3	23.5	186	91.1	0.002
3872	0.82	0.05	11.2	0.4	0.73	2.8	116	1.2	22.5	189	86.2	0.002
3873	0.5	<0.05	5.2	0.174	2.92	5.3	49	0.6	10.6	1080	53.4	0.004
3874	0.51	0.05	4.9	0.187	1.66	6.1	64	0.6	11	202	51.8	<0.001
3875	0.32	0.07	3.6	0.134	1.18	8	101	0.5	14.3	131	37	0.048
3876	0.14	<0.05	1.6	0.065	1.41	6.8	47	0.2	6.4	125	17.6	0.006
3877	0.39	<0.05	3.9	0.167	0.96	3.8	63	0.5	11.3	239	39.4	0.002
3878	0.34	0.06	3.4	0.143	2.63	12.1	87	0.6	11.2	269	36.7	0.005
3879	0.4	0.06	3.7	0.153	2	12.6	100	0.5	12.5	181	41.8	0.002
3880	0.46	0.06	5	0.181	5.63	7.2	85	0.5	13.2	227	50.2	0.004
3881	0.68	0.05	7.1	0.24	4.77	11.3	79	0.9	15.3	307	67.6	0.007
3882	0.62	0.05	6.1	0.218	4.14	8	61	0.8	15.2	300	62.7	0.019
3883	0.31	<0.05	2.9	0.104	3.46	4.7	47	0.5	7.9	159	33.3	0.007
3884	0.52	<0.05	4.5	0.157	2.5	4.3	45	0.7	10.4	186	52.4	0.004
3885	0.46	<0.05	3.9	0.153	4.08	5	48	0.6	10.4	286	46.7	0.005
3886	0.25	<0.05	2.6	0.097	0.76	2.4	29	0.4	7.1	133	30.5	0.006
3887	0.29	<0.05	3.4	0.13	0.51	6	62	0.5	9.4	276	37.3	0.004
3888	0.33	<0.05	2.6	0.159	0.46	1.3	40	0.3	10.5	306	33.8	0.004

### *Appendix III*

Rock (pg 26), silt (pg 27) and soil (pg 28) geochemical data from ALS for samples collected from the Doh Property  
All samples assayed for major and trace elements by ME-MS61, besides Au which was assayed via Ion Coupling Plasma Au-ICP21

Sample Number	Au ppm	Ag ppm	Ba ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Dy ppm	Er ppm
8	0.01	<1	321	4.9	0.8	<10	0.44	6	0.16	0.14
13	0.015	27	42.2	3.9	8.1	<10	0.1	16	0.06	0.04
14	0.003	8	43.3	5.1	4.9	<10	0.45	20	0.21	0.13
16	0.005	6	117	4.7	1.5	<10	0.2	8	0.08	0.06
64	0.001	4	21.4	3.3	2.1	<10	0.06	12	<0.05	0.05
71	0.004	6	131	7	8.6	<10	0.53	16	0.26	0.18
100	0.002	<1	229	29.2	5.2	10	0.95	7	1.8	1.13
204	0.001	<1	9010	106.5	13.7	60	3.65	14	5.46	2.9

Sample Number	Eu ppm	Ga ppm	Gd ppm	Hf ppm	Ho ppm	La ppm	Lu ppm	Mo ppm	Nb ppm	Nd ppm
8	0.06	1.5	0.26	0.5	0.06	2.3	0.02	<2	0.9	2.1
13	0.03	3.6	0.16	0.3	0.03	1.5	0.01	6	0.3	1.4
14	0.08	2.3	0.32	0.4	0.06	2.4	0.03	<2	1.2	2.1
16	0.03	3.9	0.2	0.2	0.04	2.8	0.01	<2	0.5	1.6
64	0.04	1.9	0.13	0.2	0.03	1.8	0.01	<2	0.2	1.1
71	0.09	2.9	0.44	0.8	0.08	3.4	0.03	5	2.1	2.9
100	0.44	2.5	2.25	1.9	0.42	13.3	0.15	<2	4.7	10.9
204	2.26	15.2	7.93	8.1	1.07	51.5	0.39	<2	53.9	46.9

Sample Number	Ni ppm	Pb ppm	Pr ppm	Rb ppm	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm
8	<5	81	0.57	7.4	0.41	<1	80.1	0.1	0.07	0.6
13	21	>10000	0.42	2	0.3	<1	29	<0.1	0.05	0.2
14	<5	7130	0.59	6.7	0.45	<1	55	0.1	0.07	0.61
16	<5	1170	0.49	3.4	0.31	<1	30.8	<0.1	0.06	0.27
64	<5	857	0.37	1	0.25	<1	30.7	<0.1	0.05	0.12
71	27	1230	0.8	11.4	0.61	<1	42.4	0.1	0.09	0.93
100	5	37	2.97	18	2.14	<1	251	0.4	0.36	2.96
204	18	67	12.7	97.3	9.18	3	149.5	3.3	1.1	11.35

Sample Number	Tl ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zr ppm
8	1	0.03	0.31	16	2	1.8	0.14	164	15
13	<0.5	0.01	0.19	14	1	1	0.07	>10000	7
14	<0.5	0.03	0.36	17	1	2	0.16	>10000	10
16	<0.5	0.02	0.24	14	3	1.3	0.09	>10000	6
64	<0.5	0.02	0.1	11	3	1	0.08	>10000	3
71	<0.5	0.03	0.54	20	3	2.3	0.19	>10000	30
100	<0.5	0.16	1.25	23	3	11.9	0.98	172	75
204	<0.5	0.42	1.93	149	5	29.2	2.54	175	334

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
0001	0.28	6.5	4.7	1100	1.76	0.19	3.76	0.12	105.5	20.4	58	5.54	25.9
0002	0.25	6.33	4.6	940	1.69	0.17	3.61	0.08	106.5	19.7	47	5.5	25.1
0003	0.08	5.23	5.6	520	1.59	0.17	5.29	0.14	84.5	14.4	47	5.14	18.4
0004	0.06	5.36	5.7	570	1.58	0.17	3.45	0.14	91.4	13.3	50	5.32	17.9
0005	0.09	5.41	5	570	1.6	0.15	4.45	0.13	83.8	14.2	45	5.28	18.7
0006	0.05	2.37	7	250	0.75	0.1	16.4	0.1	30.2	6.8	28	2.98	10.5
0007	0.1	4.34	9	780	1.41	0.16	7.38	0.16	74.1	11.6	36	4.45	18.3
0009	0.12	4.82	9	1290	1.58	0.16	6.85	0.16	77.3	11.6	41	5.03	18
0010	0.09	4.69	6.7	450	1.56	0.16	6.23	0.17	78.4	9.1	41	5.56	13.3
0011	0.08	4.34	6.6	380	1.41	0.14	6.17	0.16	60.7	8	41	5.36	12.4
0012	2.35	2.96	37	860	1.04	0.1	13.45	6.25	39.1	9	26	4.58	19.8
0015	2.43	2.48	40	670	0.91	0.08	14.25	5.84	37.8	8.3	18	3.93	17.2
0017	2.32	3.03	34	640	1.06	0.1	12.2	5.65	40.5	8.6	25	4.8	19
0201	0.08	1.73	16	170	0.66	0.08	15	0.21	29.6	5.6	12	1.9	11.1
0202	0.08	1.8	11	190	0.71	0.08	14.65	0.18	35.4	5.6	14	2.04	11.2
0203	0.13	5.19	16.2	480	1.77	0.2	6.11	0.34	74.1	12	40	5.84	24.1
2031	0.21	5.08	9	450	1.55	0.16	5.65	0.54	73.9	11.7	53	7.98	18.3
2032	0.18	4.76	6.3	360	1.45	0.17	7.54	0.36	89.7	11.1	47	6.77	16.7

Sample Number	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
0001	4.77	16.7	0.22	5.2	0.056	3.5	45.6	27.3	2.96	659	0.88	0.44	38.9
0002	4.65	16.5	0.22	5.1	0.052	3.41	45.9	27	2.83	622	0.78	0.43	38.2
0003	3.49	15.2	0.18	5.1	0.038	2.71	39.9	26.8	2.46	643	0.62	0.34	25.3
0004	3.45	15.7	0.19	5	0.042	2.52	44	28.4	1.82	558	0.64	0.4	23.3
0005	3.71	15.8	0.19	5.8	0.046	2.84	42.1	26.6	2.31	515	0.76	0.41	30.4
0006	1.74	6.75	0.11	2.3	0.026	1.29	14.6	13.4	6.73	505	0.49	0.14	10.1
0007	2.83	12.7	0.18	4.4	0.036	2.57	32.4	21.1	4.24	822	0.67	0.18	19.8
0009	3.11	13.7	0.19	4.5	0.037	2.59	34.8	24.3	3.87	958	0.61	0.18	19.1
0010	2.58	13.2	0.17	3.6	0.038	1.97	39.1	29.1	3.48	748	0.46	0.18	12.1
0011	2.35	12.2	0.14	3.4	0.03	1.88	30.6	26.4	3.63	619	0.42	0.18	11.1
0012	3.41	8.55	0.14	2.7	0.026	1.61	19.9	13.8	5.54	1820	1.59	0.23	13.6
0015	3.27	7.46	0.13	2.3	0.021	1.43	20.2	11.8	7.65	1985	1.71	0.18	12.4
0017	3.38	8.65	0.13	2.8	0.024	1.76	20.4	14.1	6.38	1835	1.6	0.22	14
0201	1.37	4.82	0.09	1.8	0.016	0.9	14.9	10.2	8.49	376	1.58	0.18	8.7
0202	1.4	5.06	0.1	2	0.021	0.95	17.9	10	8.38	415	1.46	0.16	9
0203	2.96	14.6	0.18	4.6	0.047	2.72	33.3	20.6	3.59	663	1.25	0.38	19.8
2031	3.37	14	0.17	3.7	0.044	1.91	34.3	31.6	2.69	1740	0.76	0.41	13.7
2032	3.02	13.3	0.17	3.3	0.041	1.82	43.1	30.2	2.78	1300	0.59	0.25	11.8

Sample Number	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm
0001	31.2	1290	22.2	103.5	< 0.002	0.06	0.57	10.5	2	2.1	99	2.26
0002	30.7	1250	21.6	102	< 0.002	0.05	0.64	10.5	2	2	95.9	2.2
0003	27.7	840	21	102.5	< 0.002	0.04	0.53	9	2	1.8	99.8	1.47
0004	27.2	840	19.6	102	< 0.002	0.04	0.52	9.7	2	1.8	99.8	1.36
0005	26.6	970	20.7	101.5	< 0.002	0.05	0.45	10.1	2	1.8	108	1.7
0006	17.1	420	13.8	43.7	< 0.002	0.03	0.38	5.1	2	0.8	117.5	0.6
0007	21.8	640	25.6	93.1	< 0.002	0.08	1.05	7.6	2	1.4	76.4	1.13
0009	22.1	680	25.7	100.5	< 0.002	0.1	1.07	8.3	2	1.6	79.5	1.14
0010	20.4	550	20.7	100	< 0.002	0.04	0.73	7.9	2	1.6	69.1	0.83
0011	17.8	510	19.5	91.9	< 0.002	0.04	0.67	7.6	2	1.4	63.6	0.74
0012	17.6	760	485	56.4	< 0.002	0.21	3.58	5.4	3	1	83.1	0.74
0015	16.2	610	450	49.2	< 0.002	0.24	3.62	4.4	3	0.9	71.9	0.67
0017	17.3	760	484	58.5	< 0.002	0.17	3.27	5.3	3	1	73.3	0.78
0201	9	410	28.4	29.2	< 0.002	0.05	0.42	4	3	0.5	100.5	0.49
0202	8.1	400	35.2	32.3	< 0.002	0.04	0.44	4.9	3	0.6	95.1	0.51
0203	24	820	45.9	106	< 0.002	0.09	0.75	10	3	1.7	64.6	1.13
2031	29.1	750	28.1	106.5	< 0.002	0.06	0.83	9.7	3	1.6	88.1	0.88
2032	25.1	650	31.6	102	< 0.002	0.03	0.71	9.4	2	1.5	78	0.82

Sample Number	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
0001	< 0.05	13.6	0.89	0.45	2.6	113	1.4	25.3	105	195	0.003
0002	< 0.05	13.9	0.868	0.45	2.5	110	1.4	25	92	190	0.003
0003	< 0.05	10.5	0.582	0.45	2.1	77	1.2	19.6	87	162	0.002
0004	< 0.05	11.2	0.551	0.46	2.2	78	1.2	20.6	86	162	< 0.001
0005	< 0.05	10.1	0.648	0.44	2.3	84	1.2	20.6	96	188	0.001
0006	< 0.05	4.6	0.273	0.34	1.3	39	0.5	9.8	49	69.9	0.002
0007	< 0.05	9.3	0.437	0.75	2	59	1	18.5	83	143	< 0.001
0009	< 0.05	10	0.441	0.84	2.1	61	1.1	19.2	89	143	0.001
0010	< 0.05	10.4	0.331	0.6	2	50	1.1	15.9	85	109	0.003
0011	< 0.05	9.3	0.303	0.61	1.8	48	1	14.5	78	94.5	0.001
0012	< 0.05	5.3	0.294	1.37	2	46	0.7	12.2	2480	85.2	0.002
0015	< 0.05	4.7	0.252	1.15	1.9	37	0.6	10.5	2490	73.8	0.002
0017	< 0.05	5.5	0.306	1.39	2.2	47	0.7	12.3	2470	92.5	0.002
0201	< 0.05	3.9	0.175	0.85	2.1	31	0.5	9.2	69	52.5	0.001
0202	< 0.05	4.6	0.184	0.63	2.2	32	0.6	10.4	71	59.2	0.001
0203	< 0.05	10.8	0.384	3.28	2.9	64	1.2	21.3	130	147	0.003
2031	0.05	9.6	0.395	0.76	2	70	1.1	19.6	235	114	0.003
2032	< 0.05	10.6	0.353	0.59	1.9	58	1.1	18.2	162	98.8	0.007