American Rare Earths Ltd

(ASX:ARR)

An Australian exploration company focused on the discovery & development of strategic Critical Mineral Resources

Commodity Exposure

Rare Earth Elements & Cobalt

Directors & Management

Creagh O'Connor
Non-Executive Chairman
Keith Middleton
Managing Director
Geoff Hill
Non-Executive Director
Denis Geldard
Non-Executive Director
Jim Guilinger
Chief Technical Advisor
Wayne Kernaghan
Company Secretary

Capital Structure

Ordinary Shares on Issue (31/10/20) 291M

Market Cap (undiluted at 9.8 cps) $28.5M

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24 November 2020

American Rare Earths Limited (ASX:ARR) (the Company), is pleased to announce that its wholly owned subsidiary ,Western Rare Earths (WRE), has released a JORC 2012 compliant, 2020 Technical Report on the Arizona La Paz Rare Earths and Scandium Project

Highlights

- WRE releases a JORC 2012 compliant update on the La Paz Rare Earths and Scandium project in La Paz County, AZ courtesy of Mr. Jim Guilinger (Chief Technical Consultant).
- At the request of shareholders and Investors please find attached the 231 page, 2020 Technical Report on the Arizona La Paz Rare Earths and Scandium Project in the USA.

This is the first major report work provided by the recently appointed Chief Technical Consultant and Consulting Geologist, Mr. Jim Guilinger. He is the head of the firm World Industrial Minerals based in the US State of Colorado. Mr. Guilinger brings decades of Rare Earths exploration and development experience that most recently includes the Wyoming Rare Earths project being acquired by ARR.

Mr. Guilinger, a Competent Person by JORC 2012 and NI 43-101 standards and with assistance from other Competent Persons, reviewed the data, completed a site visit and provided valuable new insights as part of bringing the previously released, NI 43-101 compliant, July 2020 Technical Report update to be JORC 2012 compliant.

This market announcement has been authorised for release to the market by the Managing Director of American Rare Earths Limited.

Keith Middleton
Managing Director

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2020 Technical Report on the Arizona La Paz Rare Earths and Scandium Project

La Paz Rare Earths

Prepared for:

American Rare Earths Ltd.
Suite 706 Level 7
89 York Street
Sydney, NSW 2000
Australia

Prepared by:

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Report Date: 11 November, 2020

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1. SUMMARY

A geological review and resource estimation of the La Paz Property, a REE exploration project, located in La Paz County, Arizona (Figure 1-1) was completed on behalf of American Rare Earths Ltd. The company currently trades on the Australian Stock Exchange (ASX) under the symbol ARR. Previously a Canadian NI 43-101Report was completed for the project in 2011 with some thought at the time to seek a Canadian TSX listing. This listing subsequently did not occur and this current report conforms to Australian JORC requirements as ARR is an ASX listed company. There are no inherent differences between JORC reports and NI 43-101 reports except that JORC requires a Table 1 which is a summary of all activity related to a project in a table format. This JORC Report will be the foundational report upon which the Company will build upon for the future completion of a Preliminary Economic Assessment (PEA).

Located in west-central Arizona, the project is approximately 200 km west of Phoenix, Arizona and accessed via paved and well maintained dirt roads. A high voltage power line and high pressure natural gas line are within 11 km of the project. Favorable climatic conditions enable year round mining and exploration operations. Arizona is recognized as a mining friendly state.

The project lies within the structural domain known as the Harcuvar metamorphic core complex within the Basin and Range Province. The mineralized complex within the project boundaries consists of an alkalic granite gneiss body and to a lesser extent, a structurally superimposed suite of continental red beds. One hundred and ninety five shallow percussion drill holes were completed on the project in 2011 and sampled on 5 foot (1,5m) intervals. Thirty two hundred and sixty (3260) drill hole samples were collected. In 2019 an extensive surface sampling program was completed followed up with a trenching program consisting of 15 trenches excavated through alluvium to expose bedrock for sampling. Overall more than 500 surface samples were collected in 2010-2019 period.

The host rock for most of the rare earths and a portion of the Scandium is allanite, which occurs as small inclusions throughout the gneiss.

At a 300 ppm cutoff the 2011 total indicated and inferred resource in the upper and lower plates was estimated at 128.2 million tonnes containing 95.4 million pounds of rare earths (REE). The following table shows the breakout of the indicated and inferred resources. A review of the methodology for calculating this resource was completed by Alf Gilman of Odessa Resources Ltd., A Qualified Person (QP) for JORC/ASX resource estimations and found to be reasonable for type of deposit.

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- Indicated Resource

	Tonnes (millions)	Grade above cut-off (ppm)	Grade above cut-off (%)	Pounds REE (millions)
Upper Plate	0.4	337.7	0.033	0.3
Lower Plate	15.8	373.4	0.037	11.8
Total Indicated	16.2	373.4	0.037	12.1

- Inferred Resource

	Tonnes (millions)	Grade above cut-off (ppm)	Grade above cut-off (%)	Pounds REE (millions)
Upper Plate	7.2	369.8	0.036	5.4
Lower Plate	104.8	371.6	0.037	77.9
Total Inferred	112	371.5	0.037	83.3

In addition there are other areas on the claims where surface sampling of exposed lower plate gneiss has identified extensive areas of REE's greater than 300ppm and Sc greater than 11 ppm (surface values similar to those in the current resource area) this is highlighted in three main areas as seen on the maps in the body of the report. Once the planned 2021 drilling is completed in these anomalous areas the resource base for the property is expected to expand significantly.

Preliminary metallurgical tests conducted on rock cuttings (gneisses) by the Saskatchewan Research Council (SRC) in Saskatoon, Saskatchewan, Canada indicates that the allanite can be concentrated and recovered through gravity separation, magnetic separation and flotation circuits and that within the allanite concentrate 68.1% Total Rare Earth Oxide (TREO) at an average grade of 1248ppm is also concentrated.

Additionally, the following conclusions are made:

- The Scandium is not limited to the Allanite. It is ubiquitous to the lower plate gneiss in relative higher grades than the overlying red bed sediments. This potentially means there could be economic value in processing more of the gneiss for Scandium. This would be additive to Rare Earths and Scandium in the Allanite material.
- After the planned Q4 2020 drilling program we expect to be able to upgrade the Rare Earths resource and separately establish a maiden resource for Scandium.
- A detailed review of the previous drilling at different elevations indicates opportunity for more than 60M thickness of higher-grade Rare Earths values in the lower plate gneiss. Thus, the topography lends itself to the opportunity to substantially increase the resource by deeper drilling in the lower plate, where higher grade Rare Earths is prevalent. This analysis supports the plan for a core drilling campaign to 61M depths in late 2020.
- A review of the favorable geology and occurrence of Rare Earths and Scandium fortifies the planned extensive metallurgical test work scheduled for 2021. Such testing is being explored with Australian firm Nagrom, as recommended by WOOD PLC, as well as with the Saskatchewan Research Council using their respective proven processes. Additionally, it supports the planned collaborations with leading US universities and national laboratories to test the feedstock in cutting-edge new processes.

- The current property position has been expanded to the Southwest due to favorable Rare Earths and Scandium sampling results. This presents the opportunity to increase the resource through additional drilling in this area in 2021. The current lode claims and AZ State Exploration Permit Area held by the Company is 5,143 Acres (2,081 Hectares). The current defined resource sits within an area of approximately 525 of those acres (212 Hectares).
- The activities undertaken by the Company will provide the preliminary backdrop for the planned PEA in H2 2021. The following key activities are recommended to be undertaken by the company to deliver a PEA in H2 2021: Further surface sampling, metallurgical testing, additional drilling in the maiden resource and the additional areas targeted, open cut mine planning and processing.
- With appropriate additional drilling to verify the data, the authors of the resource estimate consider the REE and Scandium resources can be confidently reclassified and expanded.

The La Paz Rare Earth deposit, although of relative low grade, excels by its sheer volume, uncomplicated mineralogy, very low of uranium (1.2ppm) and thorium (6ppm), favorable preliminary metallurgical test work, location and infrastructure. Additionally, deposit limits have not been defined. American Rare Earths will shortly be conducting a core drilling program to test mineralization at depth and to obtain core samples for use in further metallurgical test work. The recommended additional drilling and metallurgical test work for the fourth quarter 2020 and the first quarter 2021 is budgeted at $390,000 (USD).

The completed JORC Table 1 included in this report is located in Appendix A.

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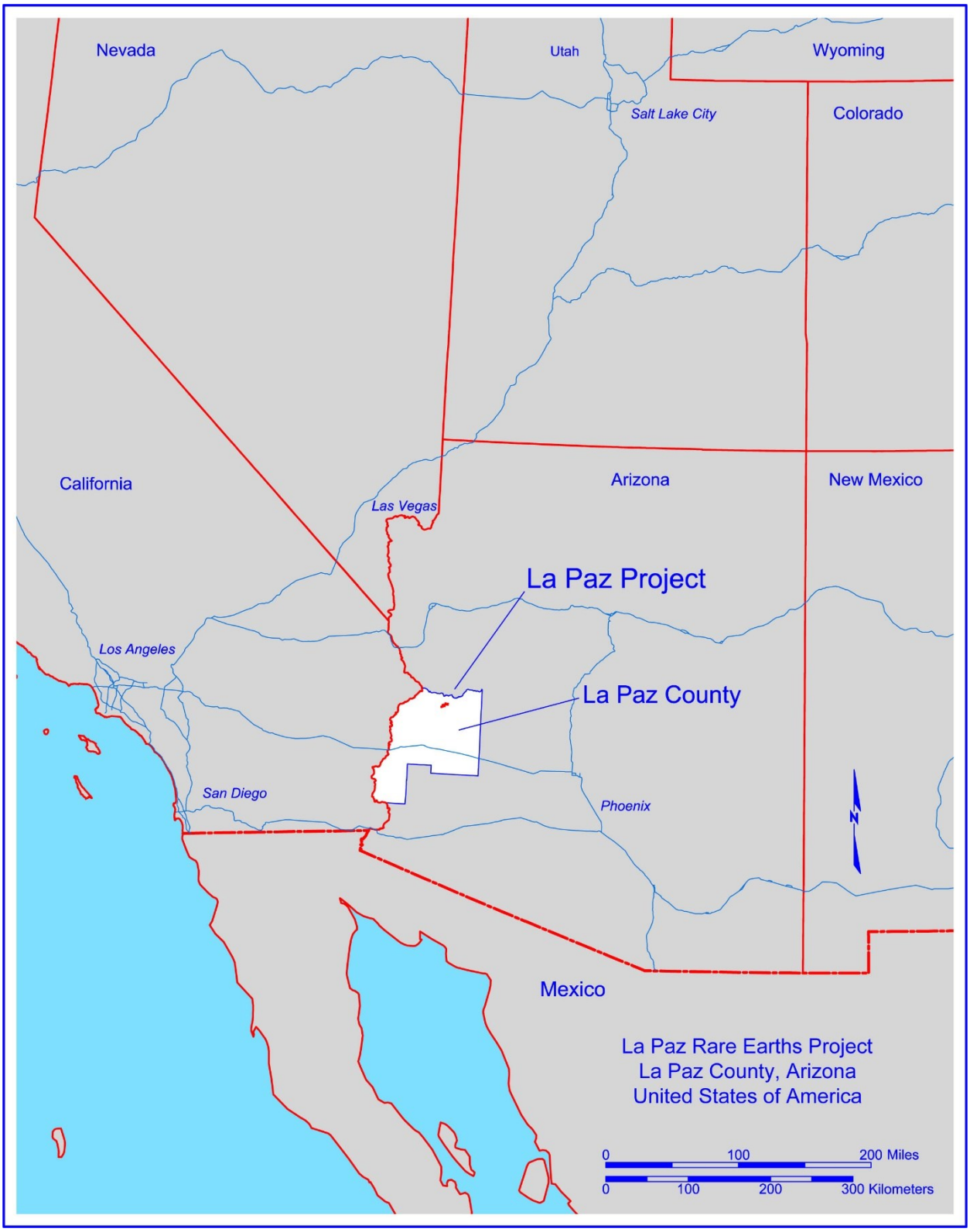
Figure 1-1 General Location Map



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2. INTRODUCTION

2.1 Terms of reference

The Author will be paid a consulting fee for the preparation of this Report. This will be comprised of a daily fee plus reimbursement of out-of-pocket expenses. Receipt of this payment is not contingent upon the conclusions of this Report or the success of any potential share offering.

All measurements herein will be given in Metric system units (meters, metric tons degrees centigrade etc.) except where designated in Imperial units. All currency values are in United States Dollars except where designated otherwise.

Abbreviations

^{O}C	Degree Celsius
^{O}F	Degree Fahrenheit
ASX	Australian Stock Exchange
ATV	All-terrain vehicle
AZ	Arizona
BLM	Bureau of Land Management
cm	centimeter
ft	Foot
‘	Feet
g	Gram
g/t	Gram per ton
ha	Hectare
kg	Kilogram
km	Kilometer
Ltd	Limited
m	Meter
mm	Millimeter
mt	Metric ton
ppm	Part per million
REE	Rare Earths Element
st	Short ton
t	Metric ton
TREE	Total Rare Earths Elements
TREO	Total Rare Earth Oxides
USGS	United States Geologic Survey
yr	Year

2.2 Purpose of Report

The purpose of this report is to provide American Rare Earths LTD. (ARR) its investors and potential investors with a clear summary of the Company’s Property assets. Included in this summary are recommendations for further exploration.

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2.3 Sources of Data

The data in this Report comes from multiple sources. All of the data and information supplied are legal property of the Company. Chiefly, data was extracted from historic reports written on the property by Erik Ostensoe, David, Boyer and John Peterson

The Author has reviewed, verified, interpreted and analyzed all of the data presented in this Report. The Author has also relied on reports referenced in Section 27.

It is believed that the underlying information contained herein is reliable, based on the systematic data verification procedures (including field examination of pertinent geologic features) performed by the Author.

Reliance has been on the following key reports:

> Boyer, S.B, Ostensoe, E., 2011, La Paz Rare Earth Project, La Paz County, Arizona, USA: Internal Company Report.
>
> Peterson, J, 2020, Trenching Report, La Paz Rare Earth Project, La Paz County, Arizona, Internal Company Report.
>
> Peterson, J, 2020, Sampling Report, La Paz Rare Earth Project, La Paz County, Arizona, Internal Company Report.

The results and opinions expressed in this Report are conditional upon the aforementioned technical and legal information being current, accurate, and complete as of the date of this Report, and the understanding that no information has been withheld that would affect the conclusions made herein. The Author does not assume responsibility for Company's actions in distributing this Report.

The Author therefore cannot guarantee the correctness of all of the information but, to the extent of his investigation and within the scope of the assignment, he believes that the Report is substantially correct.

2.4 Site Visit

On Monday August 31, 2020 a site visit was made to the Company's Claims and Arizona State leases located in La Paz County, AZ. A 4 wheel drive truck was rented and areas of the claim block and State leases were accessed. Areas where sampling was completed and historic percussion holes were drilled were reviewed. Potential exploration drill sites were also visited and access and infrastructure was assessed.

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2.5 Disclaimer

The herein proposed exploration and development program is designed to identify additional rare earths and scandium mineralization within Proterozoic geneses identified from previous drilling and mapping. It is herein stated that by completion of the proposed exploration program success is not assured.

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3. RELIANCE ON OTHER EXPERTS

The Author has relied on Marty Weems, Company representative, to advise of any environmental or political matters pertinent to the project. The Author also relied on Alfred Gillman, independent consultant with Odessa Resources Ltd. for his review of the resource estimations.

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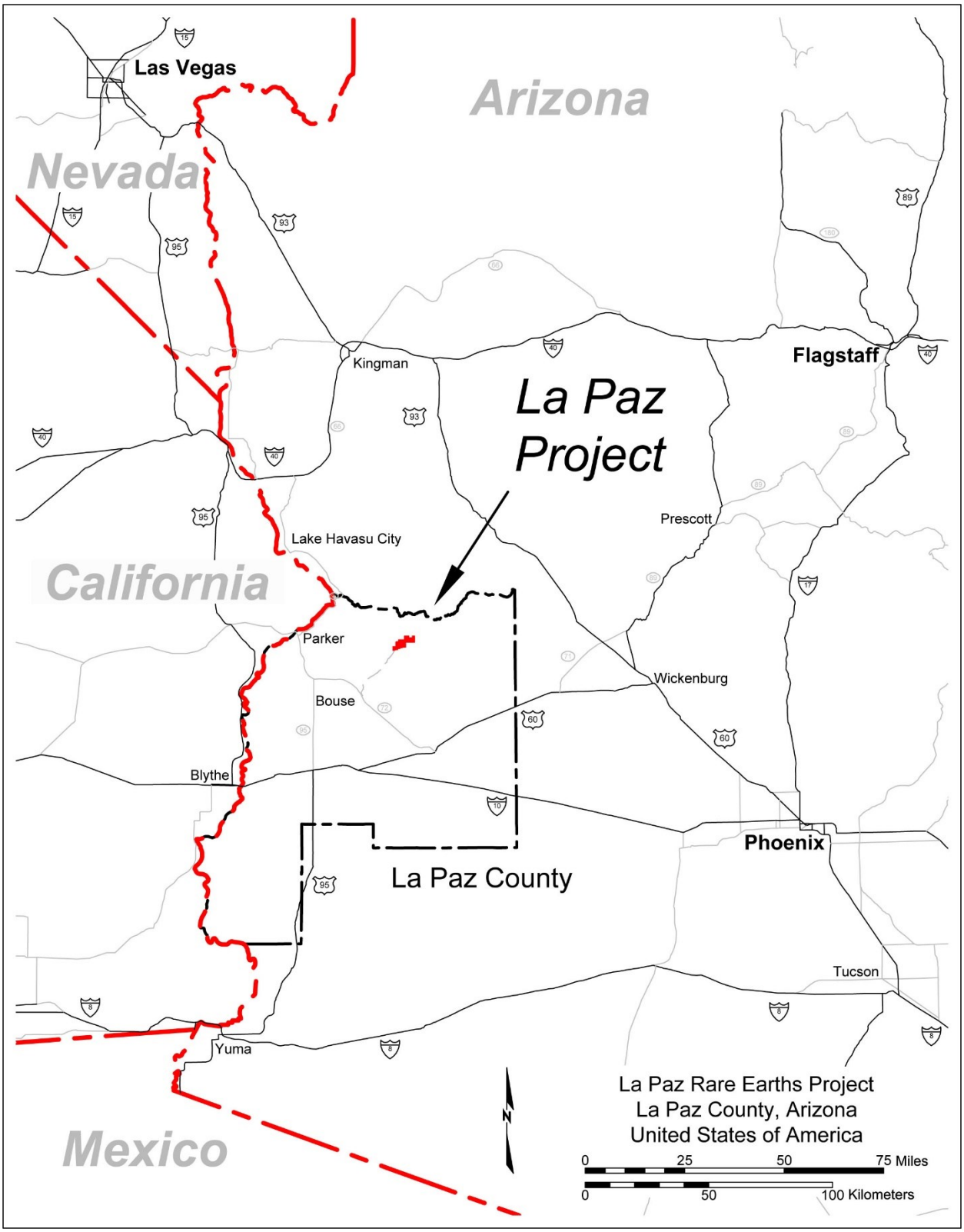
4. PROPERTY DESCRIPTION AND LOCATION

Shown in Figure 4-1 is the location of the La Paz Rare Earth Project. The total land package controlled by the Company in the La Paz Project Area consists of 218 unpatented lode mining claims totaling 4504 acres (1820 has). The State Exploration Permit totals 640 acres (258 has). Total acreage controlled by the Company is 5,143 acres (2078 has).The State Exploration Permit totals 640 acres. The mining claims are located in the La Paz County approximately 16 miles (26 km) northeast of Bouse, Arizona. The property can be reached by going northeast of Bouse on the Rankin/Lincoln Ranch Road approximately 16 miles (26 km). The road transects the claims from the southwest to the northeast.

Figure 4-1 General Location Map



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4.1 Unpatented Claims

The Property consists of 218 unpatented lode mining claims and one Arizona State Exploration Permit totaling approximately 640 acres (258.6 has). The claims and lease are listed in Appendix B. Figure 4-2 shows the shows the location of the unpatented claims and State Exploration Permit.

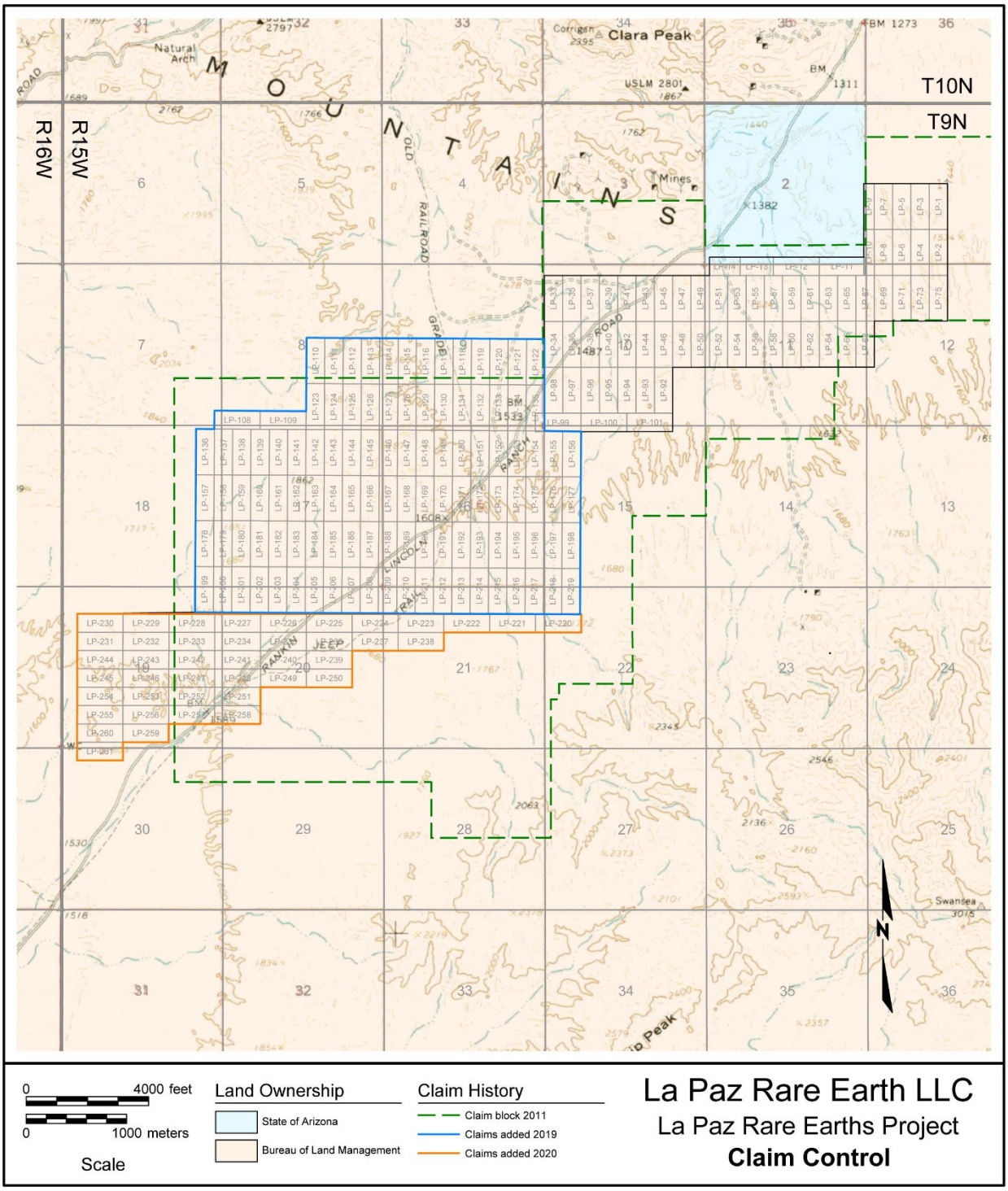
The unpatented lode mining claims are located on United States Federal land and administered by the U. S. Bureau of Land Management (BLM). A lode mining claim consists of 20.66 acres (8.35 has) and their locations staked in the field and located on a map. Once the staking is complete, the claims are filed with the State of Arizona BLM office and a $212 per claim filing fee is paid.

The claims can be held in perpetuity provided an annual claim holding fee of $165 per claim is paid on or before September 1 of each calendar year the claims are held. Failure to pay this annual holding cost or paying late will result in the voiding of the claim. Additionally claims must be recorded annually in the County in which they were staked. All claims are located in La Paz County.

Once claims are staked and fees paid, the claim holder has a right of access on the claims and the right to explore once all required exploration permitting requirements is met. Other than the right to explore and develop the claims for their mining content, the claim holder has no other rights to the property.

Other than failing to pay the annual holding costs or paying late which results in the voiding of the claims, there are no other significant factors and risks discussed in this report that may affect access, title or the right or ability to perform work on the property.

Figure 4-2 La Paz Project Area Showing Unpatented Claims and Arizona State Exploration Permit Area



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4.2 Claim Descriptions

The total land package controlled by the Company in the La Paz Project Area consists of 218 unpatented lode mining claims totaling 4,503.88 acres (1,822.66 has). The State Exploration Permit totals 640 acres (258.6 has). The listing of Claims is shown in Appendix B.

4.3 Property Location

The mining claims are located in the La Paz County approximately 16 miles (26 km) northeast of Bouse, Arizona. The property can be reached by going northeast of Bouse on the Rankin/Lincoln Ranch Road approximately 16 miles (26 km). The road transects the claims from the southwest to the northeast.

4.4 Claim and State Exploration Permit Holding Costs

The annual claim holding costs are $165 per claim payable to the BLM. For the following period through August 31 2021 the annual holding cost would total $35,970 for the 218 claims. La Paz County Notice of intent to hold filing fees would total $30 annually. The State Exploration Permit fee is payable annually but can be offset by physical work on the permit area. Because field work (sampling/trenching) was completed there are no holding costs through the remainder of 2020 and into 2021.

4.5 Company Interest

ARR has a 100% interest in the mining claims and the State Exploration Permit.

4.6 Property Boundaries

Two hundred and twenty unpatented claims were staked by a predecessor company (Aus American) in 2011 and were located by either a handheld GPS or surveyed in to establish claim corners and boundaries. AAR staked an additional 41 claims in September 2020 and removed several claims resulting in a total of 218 claims.

4.7 Encumbrances

There are no encumbrances associated with the mining claims according to the Company representative.

4.8. Environmental Liabilities

There are no environmental liabilities associated with the mining claims or State Exploration Permit Area according to the Company Representative.

4.9 Permitting

Limited areas of the claims have been permitted for core drilling under the 5 acre NOI (notice of Intent) permitting procedure. The State Exploration Permit area was permitted for drilling in 2011 and is in the process of being permitted for additional core drilling 2020.

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5. ACCESSIBILITY, CLIMATE, INFRASTRUCTURE AND PHYSIOGRAPHY

5.1 Accessibility

Access is via an all-weather graded dirt road. The property can be reached by going northeast of Bouse on the Rankin/Lincoln Ranch Road approximately 16 miles (26 km). The road transects the claims from the southwest to the northeast.

5.2 Climate

The climate is arid with an average annual precipitation of approximately 6 inches (180mm). Local records indicate the temperature ranges from a minimum of 40 degrees F (4 degrees C) to a maximum of 110 degrees F (43 degrees C). The vegetation consists primarily of small to moderate sized varieties of cactus, palo verde, and creosote bush. The exploration operating season is year round.

5.3 Local Resources

Other than one motel and small restaurants, the Bouse area offers minimal services. Parker, Arizona 50 miles (64km) northwest of Bouse on the east side of the Colorado River has goods and services to support exploration efforts on the property as does Wickenburg, Arizona located 50 miles (64km) east of Bouse.

5.4 Infrastructure

Infrastructure on the property is minimal. A high voltage power line and a high pressure natural gas line are approximately 11 km from the property. Cell phone coverage is spotty to nonexistent. According to locals groundwater is present at a depth of approximately 400 feet (122m) and likely suitable for any processing efforts in the future. Water for exploration drilling is available in Bouse approximately 16 miles (26km) away.

5.5 Physiography

The Project area lies in the northern portion of the Sonoran Desert within the Basin and Range province of the west central USA. The Terrain is generally flat and arid.

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6. HISTORY

6.1 La Paz Project Area

The area in the vicinity of the La Paz REE property has been extensively explored for the presence of economic mineral deposits of gold, silver, and copper in the nearby ranges. There has been no known historical or current exploration for REE's. In the immediate area of the claims there was exploration for uranium prior to 2010. The results of this effort are not known. A company called Australian-American Mining Corporation Limited ("AusAmerican") acquired a claim block in the same area as the ARR claims and completed extensive surface sampling and drilling for REE's. The claims held by AusAmerican were subsequently dropped and restaked by ARR. ARR had on its staff two principals from AusAmerican who were able to secure all data (drilling, sampling) thus preserving chain-of-custody in the transition from one company to another.

6.2 Historic Production

There has been no production of REE's in the La Paz Project Area

6.3 Historic Mining

There has been no mining of REE's in the La Paz Project Area

6.4 Historic Processing

There has been no processing of REE's in the La Paz Project Area

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7. GEOLOGIC SETTING

7.1 Regional Geology

Parts of the following description of the geological setting and mineralization of the La Paz Project Area are from an internal geologic report prepared by John Peterson and Geological Survey Bulletin 198, Geology and Mineral Resources of the Buckskin and Rawhide Mountains. West-Central Arizona (ed. By Spencer and Reynolds, 1989).

The La Paz Project Area lies within the Reid Valley Basin, adjacent to the Buckskin Mountains, in the west central Arizona part of the Basin and Range Physiographic and Structural Province of the southwestern United States. The Buckskin Mountains are part of the Harcuvar metamorphic core complex that features exposures of a detachment fault and its mylonitic footwall. Hanging wall rocks, collectively referred to as Upper Plate consist of a variety of complexly normal-faulted and tilted rocks that include syntectonic, mid tertiary sedimentary and volcanic rocks and variable deformed and metamorphosed Mesozoic and Paleozoic sedimentary and volcanic rocks. The footwall block commonly referred to as the Lower Plate, is composed of variably mylonitic crystalline and meta-sedimentary rocks. A schematic structure-stratigraphy diagram showing all pre-Pliocene rock types and some of their contact relationships is shown in figure 5. Movement on rotational normal faults (not shown) caused tilting of upper plate rocks.

Figure 7-1 Regional Geology of the La Paz Project Area

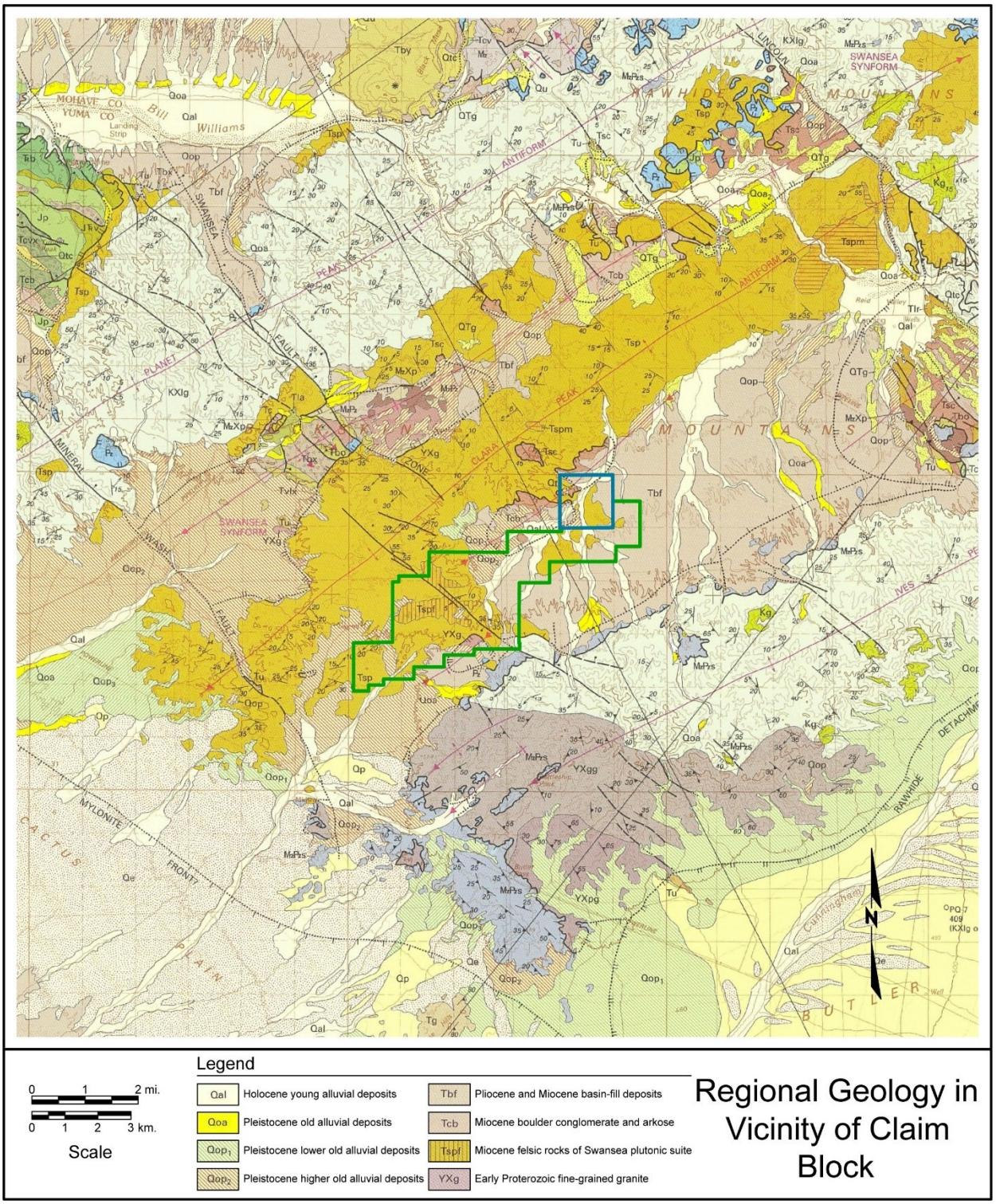

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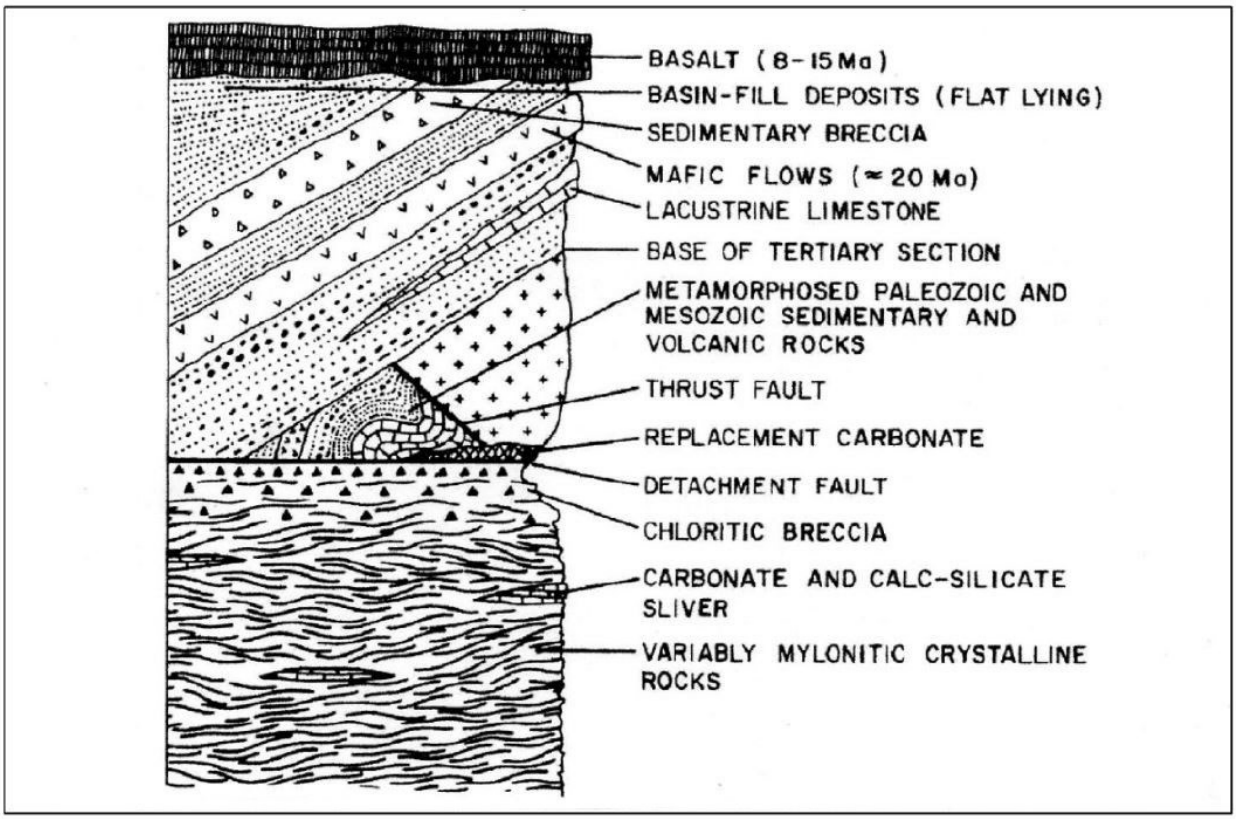
Figure 7-2 Schematic Structural-Stratigraphic Section of the La Paz Project Area



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7.2 La Paz Property Geology

Within the La Paz Project Area, Lower Plate rocks are mostly quartz feldspar gneiss. The gneiss features compositional layering and in part is massive and homogenous, not unlike the crystalline igneous granitic parent. An intrusive unit may also be present in the Lower Plate. Veins, veinlets and stockworks of epidote and quartz are present and similar to occurrences that might be expected in any exposure of early Proterozoic gneiss from Arizona. The Upper Plate consists of Red-Bed type clastic sedimentary rocks and mafic flows. As illustrated in Figure 7.2, relatively small areas of metamorphosed pre-Tertiary sedimentary and volcanic rocks have been mapped in proximity to the detachment.

A northeastward direction of displacement of upper-plate relative to the lower-plate is inferred based on the following criteria. The sense of displacement on the detachment fault is the same as that indicated for mylonitization by asymmetric petrofabrics in the mylonite.

The subhorizontal Buckskin-Rawhide detachment fault is exposed discontinuously throughout the Buckskin Rawhide Mountains. A series of upper plate rocks have also been mapped in the vicinity of the La Paz REE Project contain abundant evidence of compressional deformation and metamorphism of Mesozoic and Paleozoic sedimentary rocks. Deformation occurred in association with generally south-directed, late Mesozoic thrust faulting.

A preliminary geologic map compiled by Peterson is shown in Figure 7.3. Figures 7.4, 7.5, 7.6, and 7.7 show cross sections of the geology as interpreted from the drill hole review of cuttings derived from the drilling program. All of the lower plate rocks shown are composed of gneisses. The upper plate rocks are composed of red beds, agglomerate, and locally overlain by recent alluvium.

Figure 7-3 Geologic Map La Paz Property

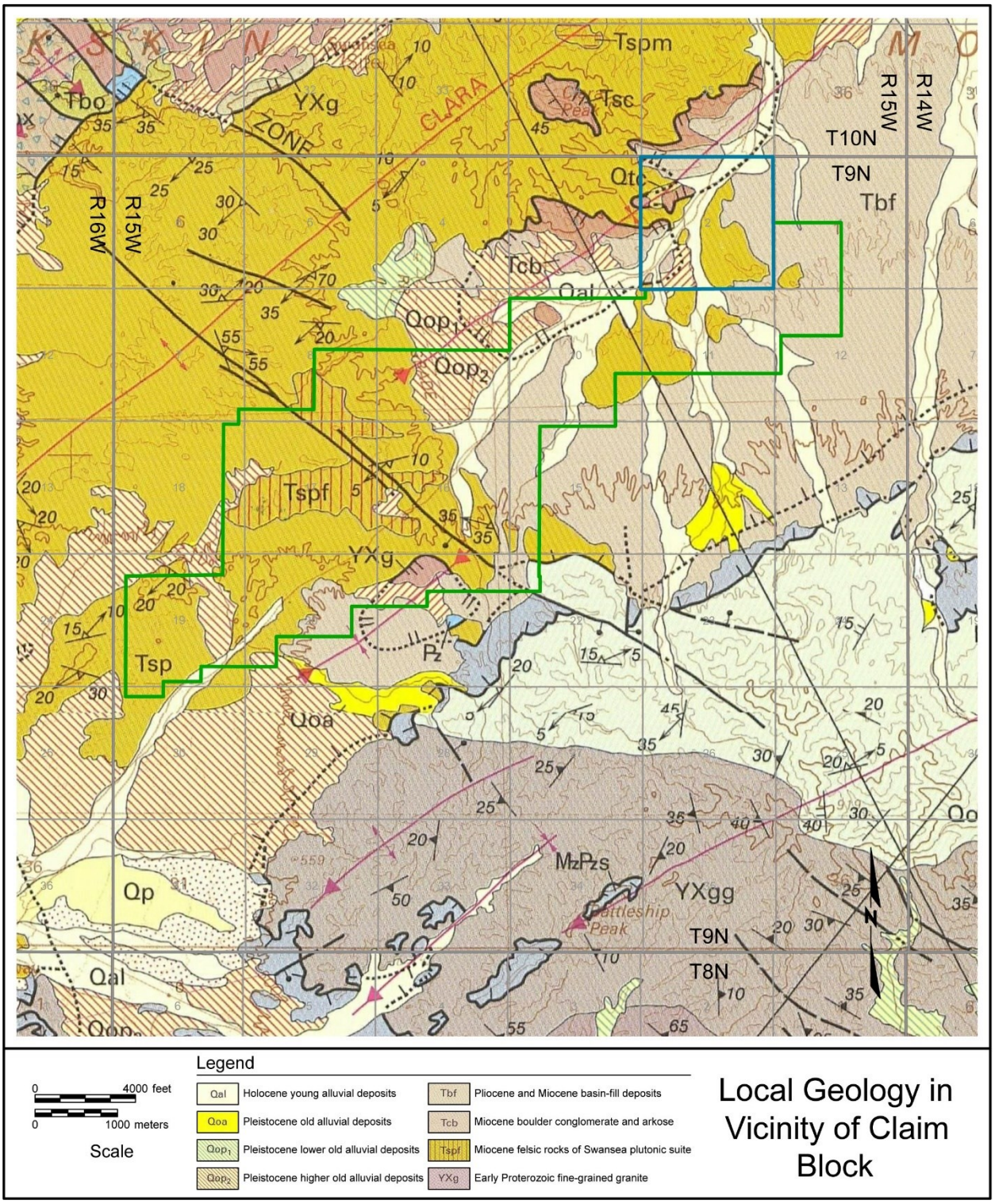

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Figure-7-4 Line A Geology Sectional View

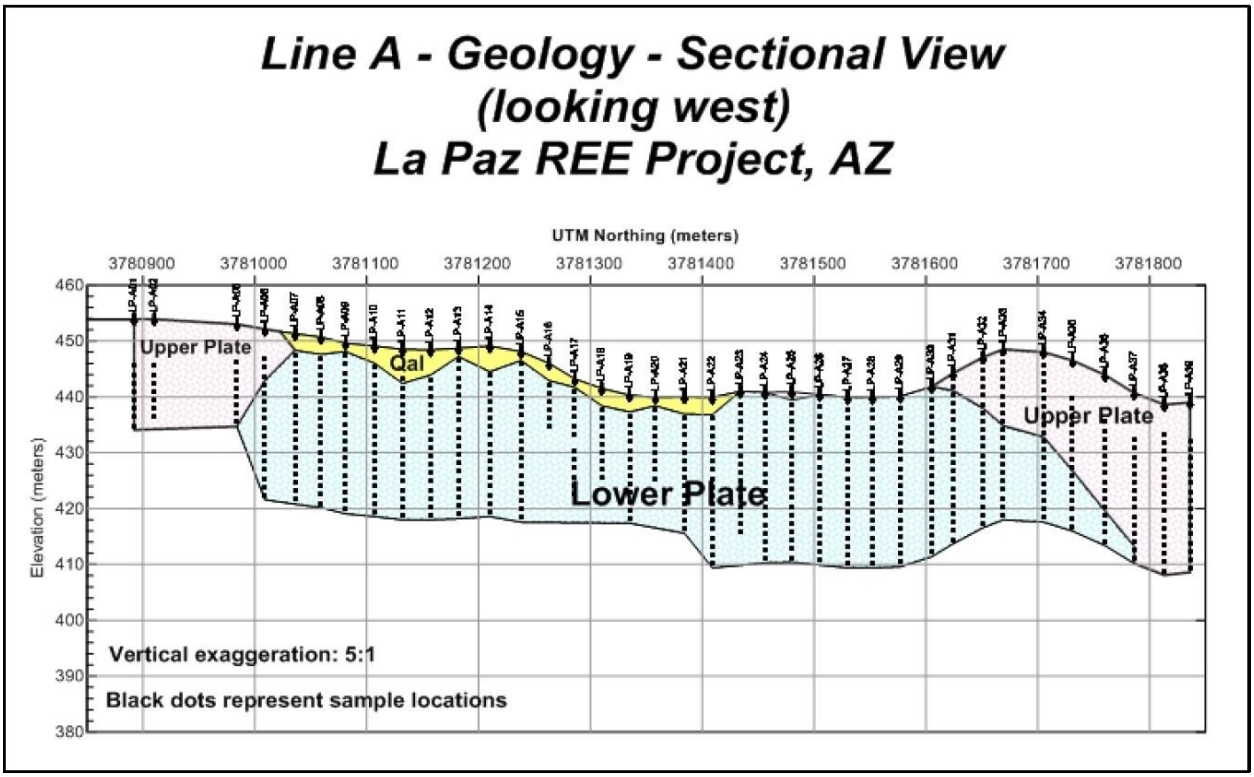

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Figure 7.5 Line B Geology Sectional View

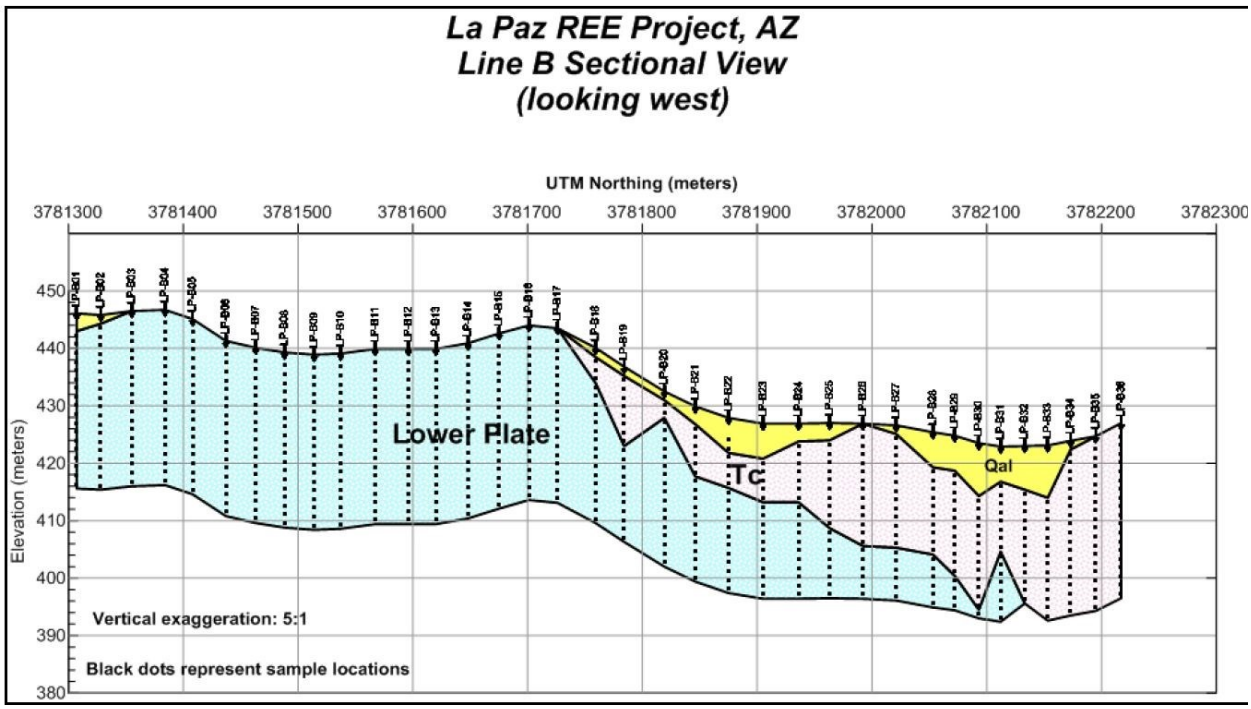

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Figure 7.6 Line C Geology Sectional View

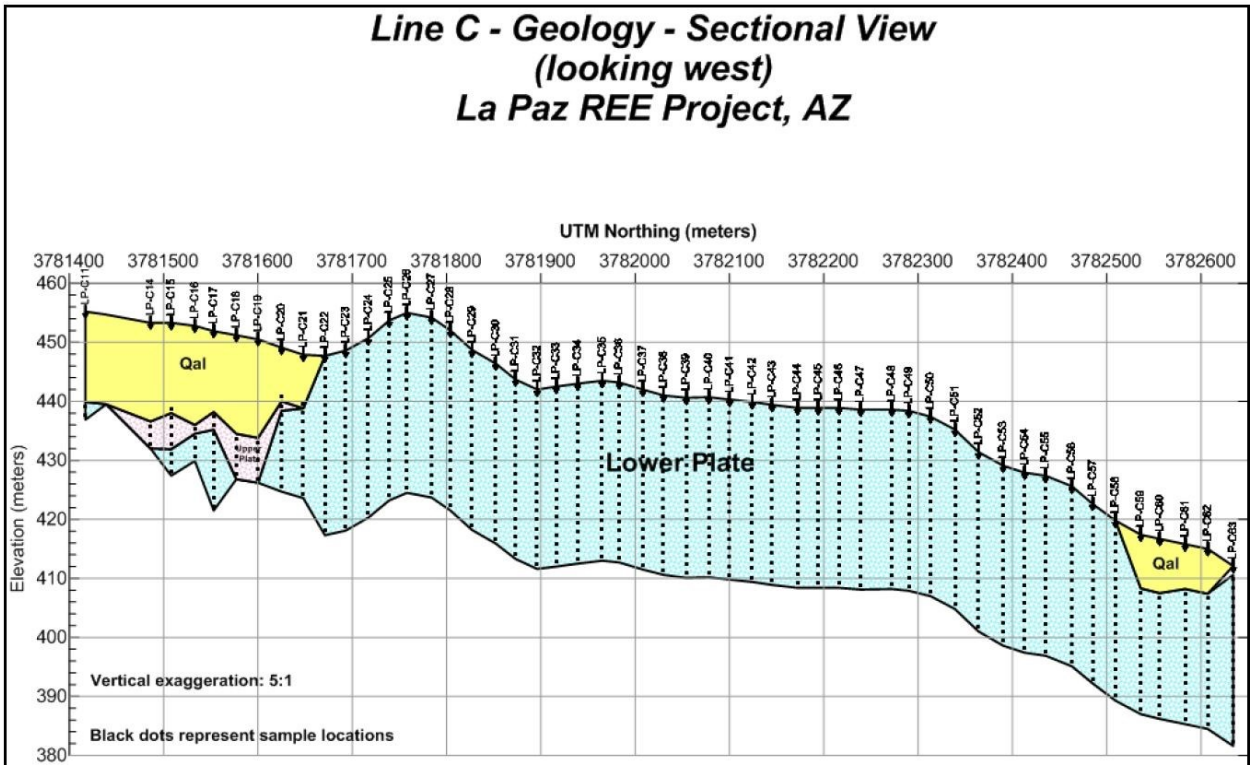

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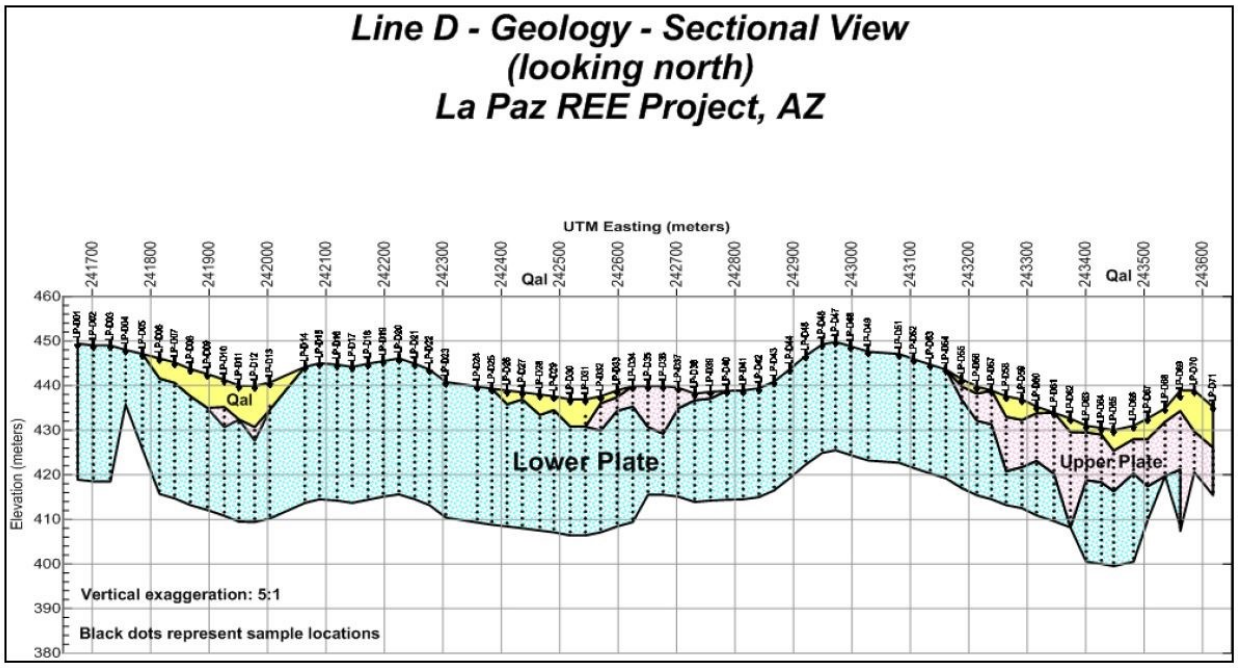
Figure 7.7 Line D Geology Sectional View



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7.3 Mineralogy

Three representative rock specimens labeled UKC 01, 02, 03 were submitted for mineralogical tests to SGS Canadian Laboratories in Saskatoon, Saskatchewan, Canada. The samples were collected from the defined resource area and were all altered lower plate gneiss. The results were presented in a report dated July 2011, the findings of which are discussed below.

The objectives of the tests were to determine the overall mineral assemblage and the liberation/association of the minerals of interest, primarily rare earth element carriers. The samples were subjected to QEMSCAN^{TM} (Quantitative Evaluation of Materials by Scanning Electron Microscopy). XRD (X-Ray Diffraction), EMPA (Electron Microprobe Analyses) and chemical analysis.

The high definition mineralogical study of the samples identified the following sample characteristics:

- The results from the XRD and QEMSCAN^{TM} of the samples are in close agreement. The samples are dominated by quartz (17%), K-feldspar (4-26%), moderate sericite and muscovite (15-18%), plagioclase (10-17%), biotite (1-11%), minor epidote (5-8%), chlorite (3-6%), sphene (3-5%). Clays (4%0, calcite (<1-3%), Fe-oxides (2-3%) and trace amounts (<1.5%) of apatite, other silicates, allanite, sulphides, other minerals, zircon, rutile, ilmenite, and other REE minerals.
- The main REE carrier is allanite (<1%) and averages 10.11 wt% Ce_2O_3, 0.10 wt% Y_2O, 4.97 wt% La_2O_3, 1.00 wt% Pr_2O_3 and 3.20 wt% Nd_2O_3. Zircon and other REE phases are present in trace amounts.
- Allanite carries most of the Ce (88-100%), La (89-100%), Nd (84-100%). Other Ce minerals and monzonite account for <1-10% and <1-6% Ce, <1-9% and <1-5% La, and <1-14% and < 1-8% Nd.
- Liberation analyses indicates that:
    - Liberation (Free and liberated) of allanite at P80 of -150 micron is low and ranges from 14% to 24%
    - The main association of allanite is as complex particles (61-76%) and as minor middlings with other silicates (8-15%).
    - The grade and recovery of allanite reflect those of the REE because it carries >84% of the Ce, La, and Nd.
- Grade-Recovery calculations based on the allanite shows:
    - for the UKC-01, grades between 92% and 54% for recoveries of 24% to 66% respectively;
    - for the UKC 02 grades between 94% and 50% for recoveries of 18 to 68% respectively;

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  - for the UKC 03 grades between 91% and 54% for recoveries of 14% to 48% respectfully.
- EMPA show that common silicate minerals do not carry any REE which might be possibly present in ppb concentrations that are commonly recorded in naturally occurring rocks.
- A simple mass balance calculation based on the mass of allanite in each sample and its chemistry, as defined by the electron microprobe analyses, shows that the allanite accounts for most of the head grades in the fractions/samples. This is in agreement with the absence of any other significant REE carrier.
- For example, the grades of the Ce, La, and Nd for UKC 01 +75 microns are 218 ppm, 104 ppm and 111ppm, respectfully. Allanite mass is 0.4 wt% in the fraction. The average Ce, La and Nd concentrations of allanite are 8.6% (or 86,000 ppm), 4.2% (42,000 ppm) and 2.75% (or 27,500 ppm), respectfully. A simple mass balance indicates that the mass of allanite accounts for 344ppm Ce, 169 ppm La and 110ppm Nd, respectfully in this fraction. In other words, allanite adequately accounts for the grades of Ce, La and Nd in this particular fraction. Mass balance calculations yield similar results for the other fractions and samples.
- Liberation of allanite and consequently grade and recovery is poor and partially reflects its mass in each sample due to poor statistical representation of the mineral. However, it is very obvious that allanite liberation is acceptable only in the fine fraction.
- Allanite and small amounts of the other REE phases carry the REE and not the bulk of the silicates (e.g. feldspars etc.) as shown by the electron microprobe analyses. Therefore it is suggested that a metallurgical test program be designed to physically recover the primary REE minerals (that also carry the REE), followed by leaching of a REE mineral concentrate (REE rich allanite) to determine grade and recoveries of REE.

Note that the findings in this report are based on what is mineralogically possible under ideal separation conditions. For instance, in this study it is assumed that it is possible to separate an allanite grain with a minute attachment of another mineral from a particle that contains no inclusions or attachments. Practically, this separation might be more complex. Thus, the findings in this report should not be considered as a prediction of recovery performance. Rather, this provides insight into the limitations with respect to mineralogical characteristics.

Petrographically, the mineralized host rock corresponds to a hydrothermally altered alkalic granite derived orthogneiss with normative silicate constituents and accessory minerals indicative of hydrothermal alteration i.e. clays (4.3%, carbonates (3.1%, Fe oxides (3.1%), chlorite (2.7%) and allanite (<1.0%).

No mineralogical investigations have been completed for scandium to date.

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7.4 Mineralization

At the La Paz Property anomalous REE were detected in chip channel trench and outcrop samples taken during reconnaissance geologic work from 2010-2011 and 2019-2020 periods. Additionally, 3260 cuttings samples were taken from percussion drill holes completed in the 2011 drilling program. Details of the geochemistry of the drill hole cuttings are described in the Section on drilling.

The highest grades (values as high as 781 ppm TREE with the majority of values greater than 300 ppm TREE) of rare earths mineralization are found in the lower plate gneisses directly associated with inclusions of allanite. As shown in the following drill profiles, the TREE values have been contoured. The higher grades of TREE are associated with the higher concentrations of allanite. Allanite can be found in association with felsic intrusive rocks, granites, quartz monzonite etc. Subsequent metamorphism of granites and sediments in the La Paz Project Area resulted in extensive zones of gneisses and locally enriched zones of allanite as a result of remobilization. A fault related rock called cataclasite is also locally enriched in REE's likely because of the gneiss fragments caught up in the faulted zones.

The upper plate sediments have a mean TREE value of 220 ppm with the majority of values less than 300 ppm TREE.

Scandium is also found in the gneisses in greater quantities (values as high as 26ppm Sc) than any other rock type according to the drilling results to date. Scandium mineralization is more ubiquitous and the higher grades appear not to be specifically associated with allanite. Likely the emplacement of scandium was associated with a mineralizing event independent of allanite-rare earths deposition.

Table 7.4.1 shows the elemental concentration of rare earth elements in the drill hole samples at the La Paz Property.

Table 7.4.1 Elemental Concentration of Rare Earth Elements from Drill Hole Samples

Rare Earth Element	Lower & Upper Plate Ave. Concentration (ppm) 3260 samples	Upper Plate Ave. Concentration (ppm) 490 samples	Lower Plate Ave. Concentration (ppm) 2770 samples
Scandium (Sc)	14.4	8.9	15.3
Yttrium (Y)	36.1	24.1	38.2
Lanthanum (La)	56.6	41.3	59.0
Cerium (Ce)	120.4	84.1	126.8
Praseodymium (Pr)	14.0	9.6	14.8
Neodymium (Nd)	54.4	35.8	57.7
Samarium (Sm)	10.4	6.7	11.0
Europium (Eu)	2.6	1.8	2.7
Gadolinium (Gd)	9.1	5.7	9.7
Terbium (Tb)	1.3	0.8	1.4
Dysprosium (Dy)	7.0	4.5	7.5
Holmium (Ho)	1.4	0.9	1.5
Erbium (Er)	3.8	2.5	4.0
Thulium (Tm)	0.5	0.4	0.5
Ytterbium (Yb)	3.0	2.2	3.2
Lutetium (Lu)	0.4	0.3	0.5

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8. DEPOSIT TYPE

Rare earth metals are naturally occurring components of the earth but seldom if ever found in pure form. They are chemically active and readily bond with oxygen and other metals, or substitute for other metals to form complex minerals. The principal concentrations of rare earth elements are associated with relatively uncommon varieties of igneous rocks such as alkalic rocks and carbonatites. Worldwide there are approximately 63 significant REE deposits containing allanite of which 30 deposits have REE rich allanite in alkalic igneous or metamorphic rocks. The remainder of deposits is allanite rich placers, carbonatites and pegmatites.

Based on the petrographic study completed to date the La Paz deposit may be classified as an allanite hosted rare earth occurrence. Allanite is in the sorosilicate group of minerals within the broader epidote group that contain a significant amount of rare-earth elements. Allanite occurs mainly in metamorphosed clay-rich sediments and felsic intrusive rocks. Allanite can contain up to 20% rare-earth elements and is a valuable source of them. The relative abundance of allanite within igneous or metamorphic rock governs the overall grade of the REE deposit. The greater the amount of allanite the higher the grade of the REE's. Various gneisses occur in the lower plate and contain the majority of the REE's.

Scandium deposition does not specifically correlate to the presence of allanite or high REE values. The scandium appears to be a constituent of the metamorphosed alkalic intrusion with variable concentrations throughout the Lower plate gneiss.

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9. EXPLORATION

AusAmerican began exploring the area in 2010 looking for detachment fault associated precious metal deposits. The sampling results showed an elevated level of REE's and claims were subsequently staked, a state exploration permit was acquired and a drilling program developed.

9.1 Drilling

AusAmerican in 2011 completed a program of 195 mostly shallow drill holes on the La Paz claims to investigate the abundance and distribution of rare earth metals. Holes were drilled using a percussion type machine equipped with standard cutting tools: the resulting chips were expelled from the drill hole and captured in a 5 gallon bucket. A geologist on site took charge of the chips, prepared a sample suitable for analyses and preserved a small quantity of representative chips that were placed in segmented chip trays. He also kept a geologic log that included details of collar locations relative to a UTM NAD 27 Zone 12 meters property grid. Color, texture and probable rock type were also recorded for each drilled 5 foot (1.5m) interval in each hole. All holes were drilled vertically on 100 foot centers. Hole depths ranged from 40 (12m) to 100 feet (30m). One hundred and forty one holes reached the maximum depth of 100feet (30m). A summary of drilling results are shown in Appendix C.

The drilling program generated more than 3000 samples of percussion drill cuttings, each of which represented a 5 foot (1.5m) interval. All samples were submitted to an accredited analytical laboratory ALS for analysis by ICP MS methods.

9.2 Outcrop Sampling

Outcrop sampling in 2010 resulted in the collection of over 100 surface samples in the area of the REE resource drilling and was incorporated into the resource calculation. Detailed Outcrop sampling was completed in 2019 mostly of lower plate igneous and metamorphic rocks and cataclasite, a fault related rock containing fragments of metamorphic rock (gneiss). The 639 Sample sites are shown on all Figures. TREE values greater than 300 ppm are outlined on Figures 9.2.1, 9.2.2, 9.2.3, 9.2.4. Scandium values greater than 11 ppm are outlined on Figures 9.2.5, 9.2.6, 9.2.7, 9.2.8.

Lower Plate Sampling Results

During 2019 sampling period at La Paz 92 of the samples taken have been identified as augen gneiss. These samples contained between 81.68-714.33 ppm (parts per million) of total Rare Earth Elements (REE). The Scandium (Sc) content ranged from 2.7 to 25.7 ppm.

Overall, 83 samples of banded gneiss have been collected in the project area. These contained between 42.87 and 721.18 ppm of REE. Scandium content ranged from 1.2 to 26.0 ppm.

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Of the 60 samples of granitic gneiss collected, the total REE ranged from 43.34 to 638.5 ppm. Scandium values ranged from 1.6 to 19.7 ppm.

The catch-all classification of "unclassified gneisses" was established to allow input of this data into the overall model for La Paz. Of these 71 samples total REE ranged from 32.95 to 588.13, Scandium concentrations ranged from 1.8 to 22.3 ppm.

Thirteen samples of granite and quartz monzonite were collected in the various sampling rounds. Total REE varied from 68.17 to 226.19 ppm. Scandium concentrations ranged from 2.7 to 16.8 ppm,

Sixty-two samples of granodiorite have been collected in the La Paz area. Total REE ranges from 34.32 to 595.67 ppm. Scandium concentration ranges from 1.9-to 22.3 ppm.

Twenty samples of diorite, quartz diorite and gabbro have been collected. Total REE ranged from 64.73 to 370.28 ppm. Scandium ranged from 4.2 to 49.7 ppm.

One hundred and seventy nine samples have been designated cataclasite. They contain between 25.44 and 674.21 ppm total REE. Scandium ranges from 1.1 to 28.2 ppm,

Forty-one samples are classified as Silicified Rock. They contain from 9.02 to 383.6 ppm of Total REE. Scandium ranges from 0.4 to 11.2 ppm.

Upper Plate Sampling Results

Twenty-seven upper plate Tertiary red bed samples contained 33 to 143 ppm total REE and 1.2 to 27 ppm Scandium.

Figure 9.2.1 Sample Site Locations

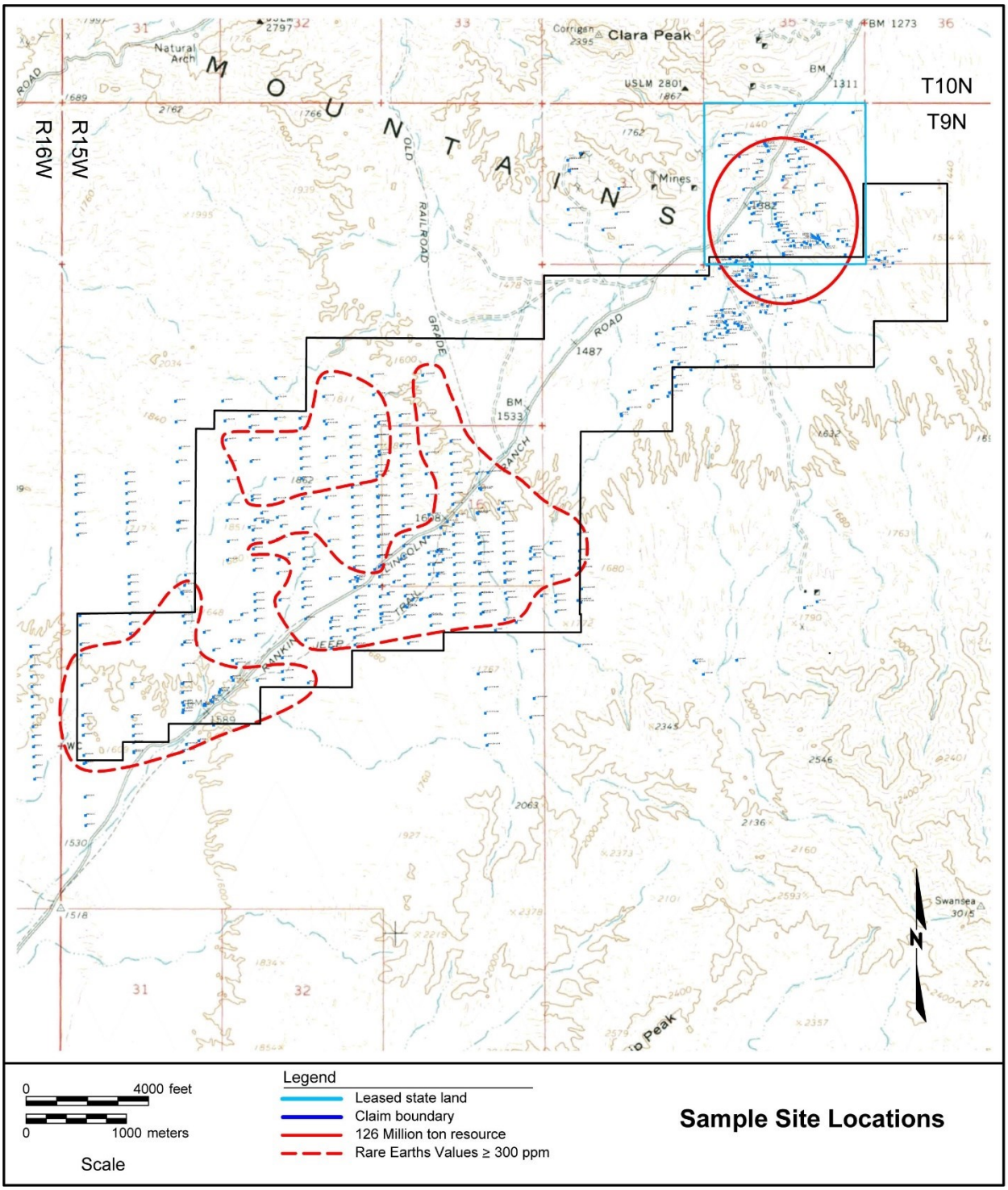

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Figure 9.2.2 Resource Area

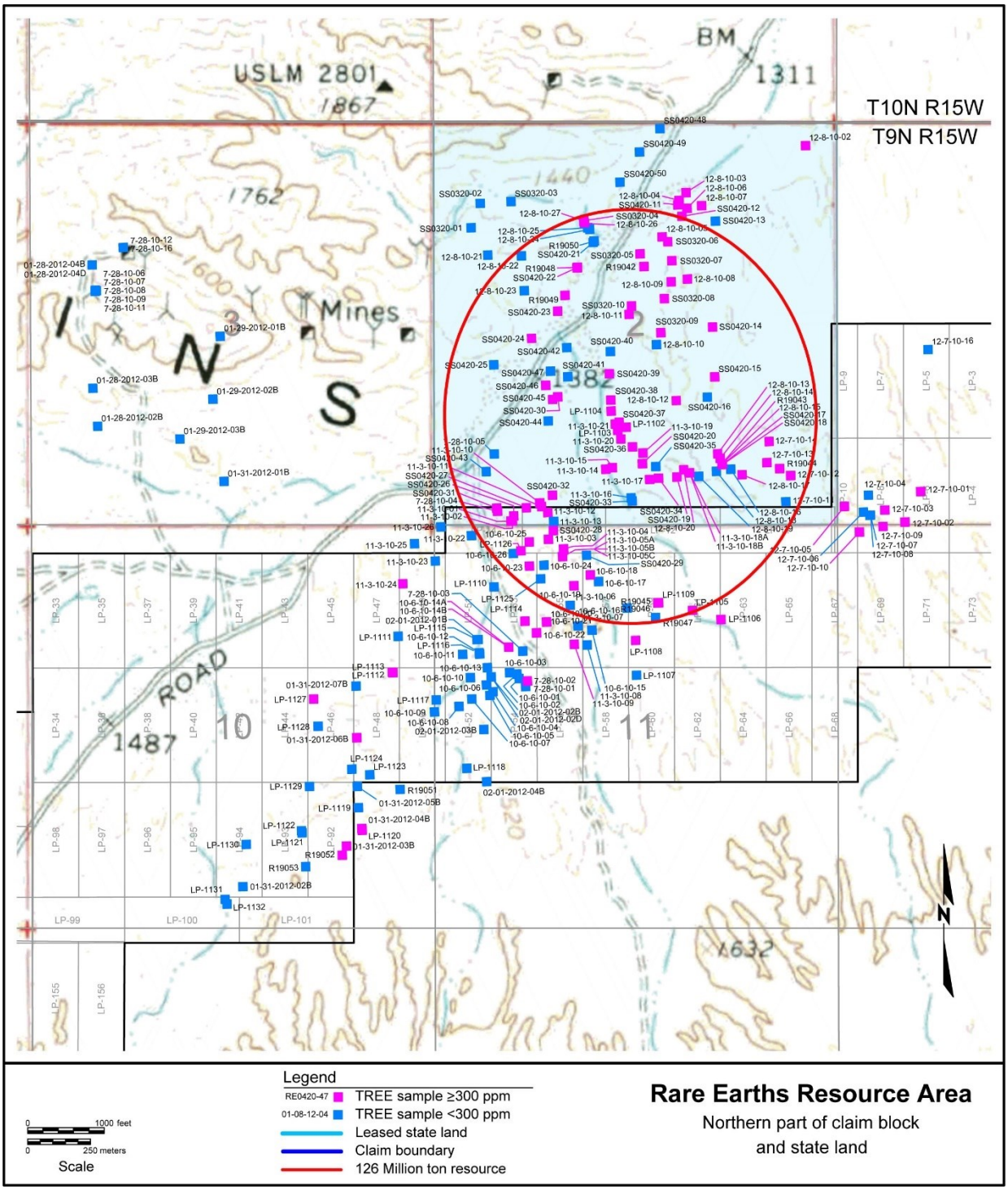

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Figure 9.2.3 Rare Earths Central Area

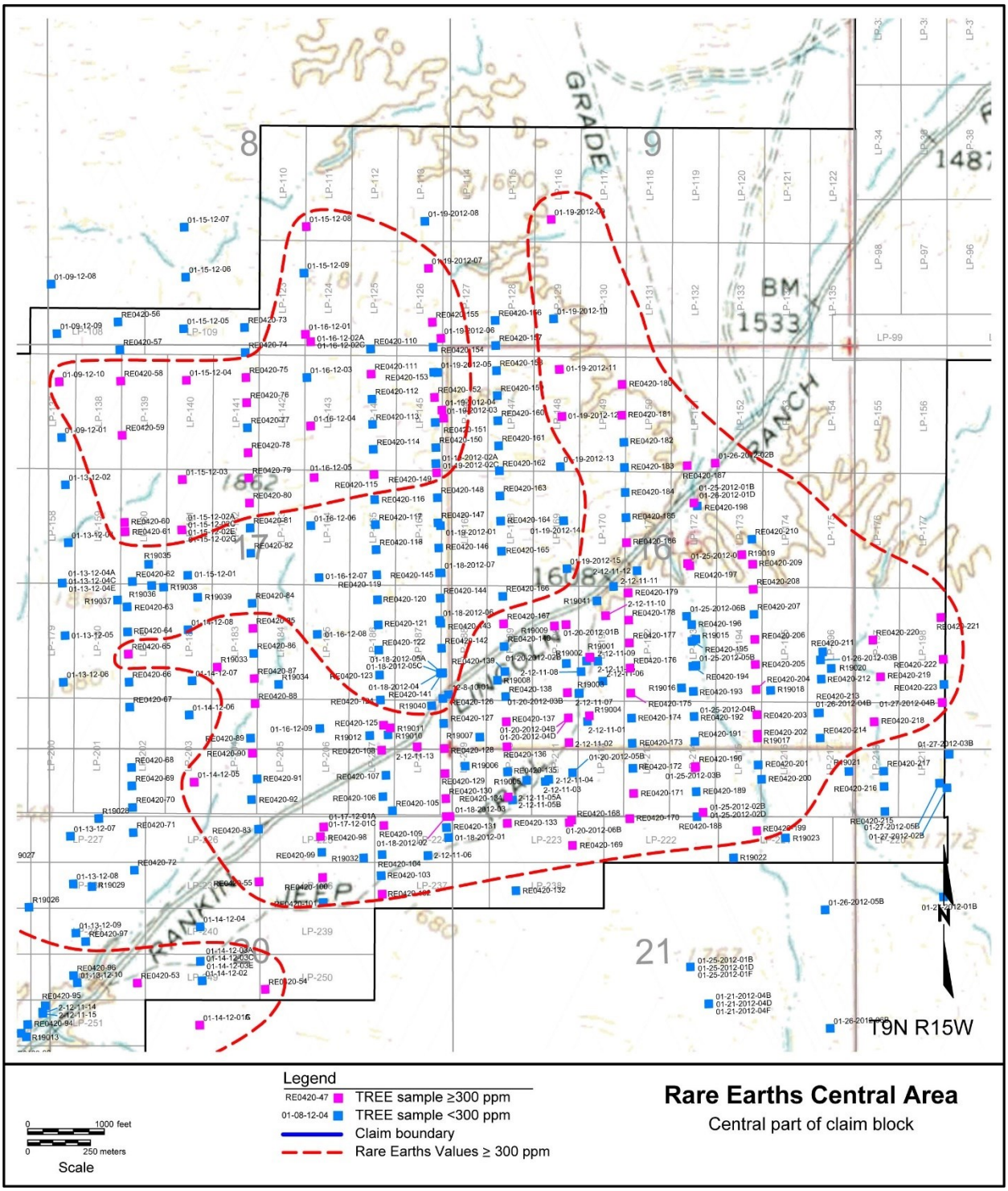

Figure 9.2.4 Rare Earths Southwest Area

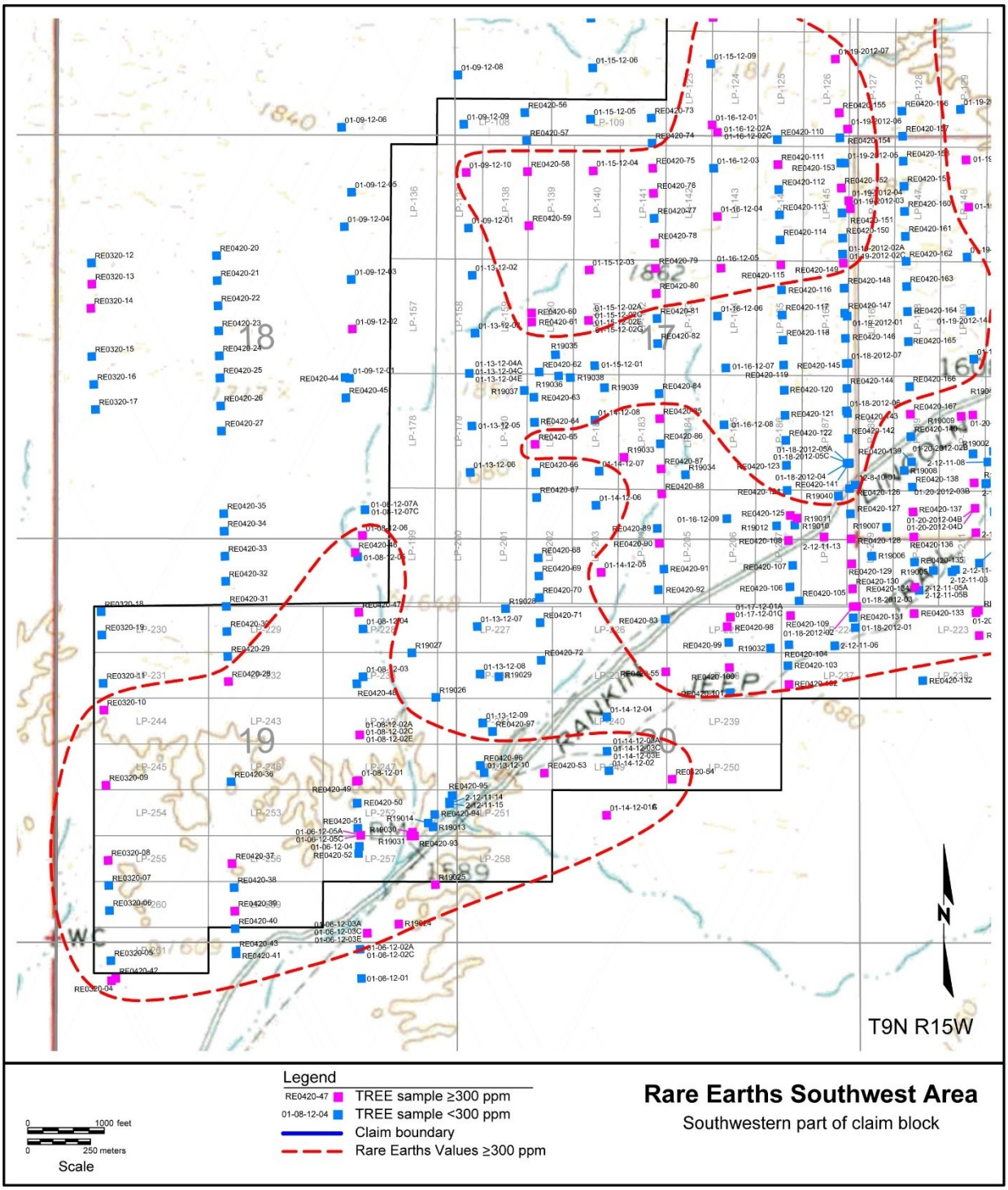

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Figure 9.2.5 Scandium Overview

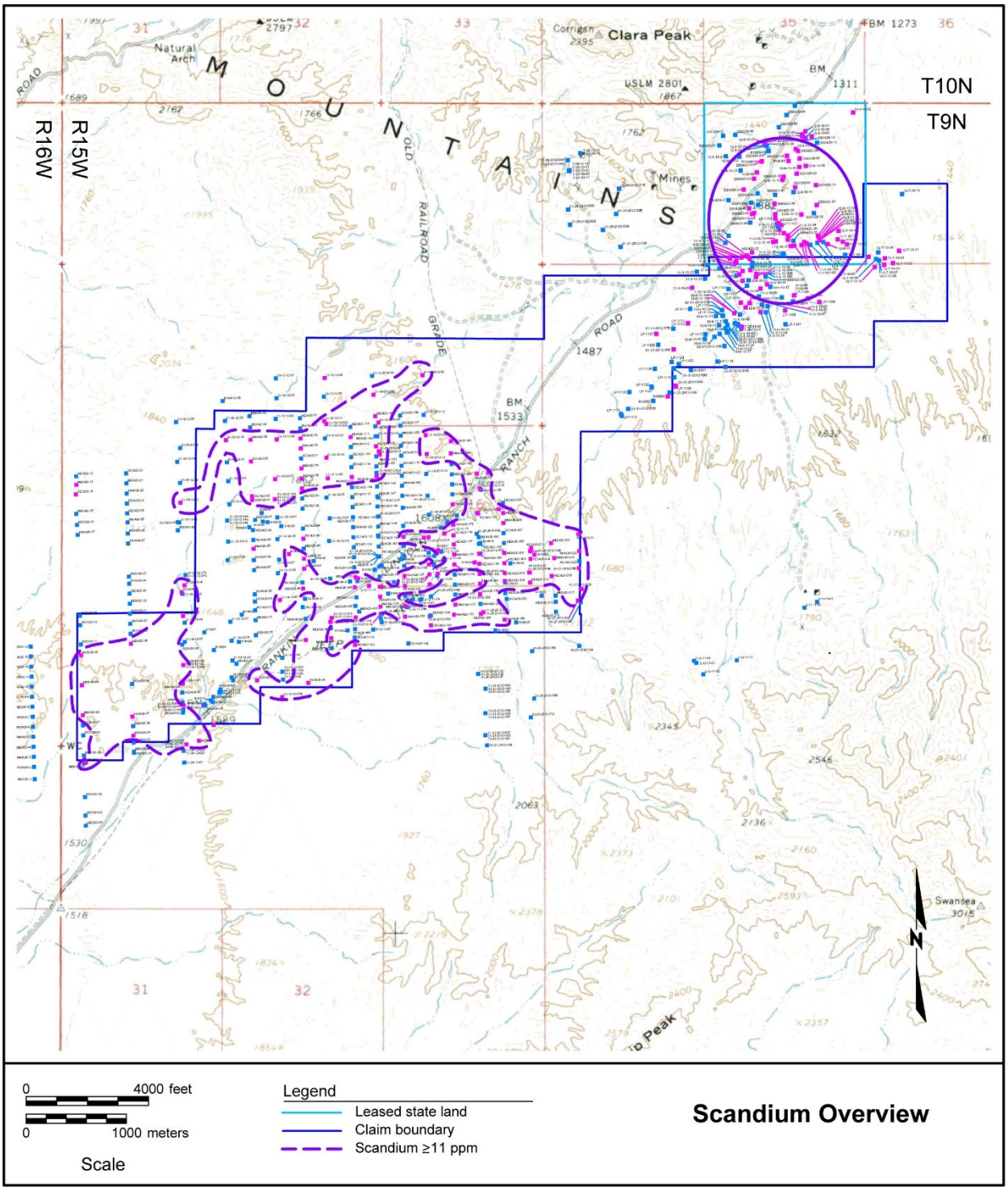

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Figure 9.2.6 Scandium Northern Area (within defined rare earths area)

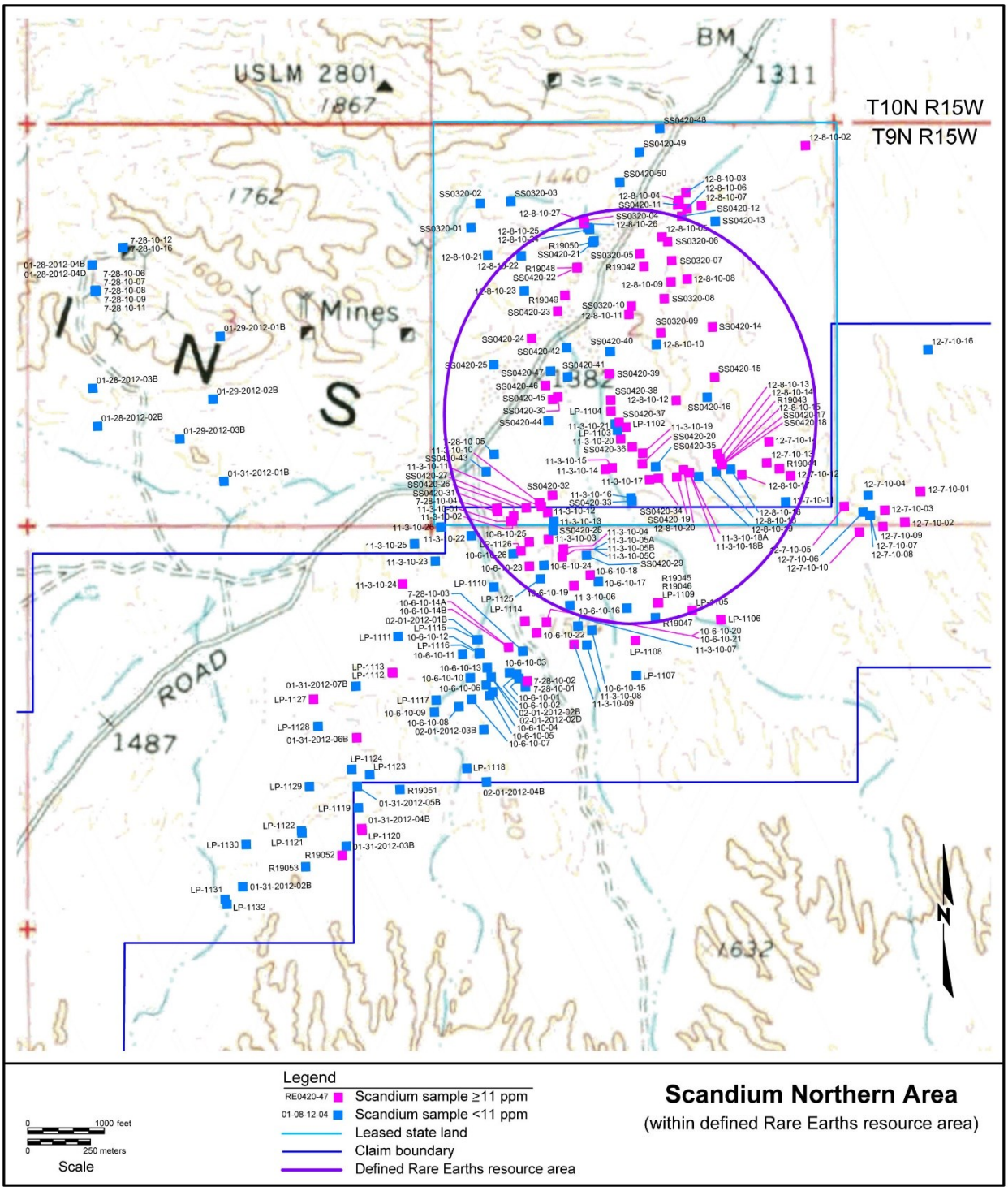

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Figure 9.2.7 Scandium Central Area

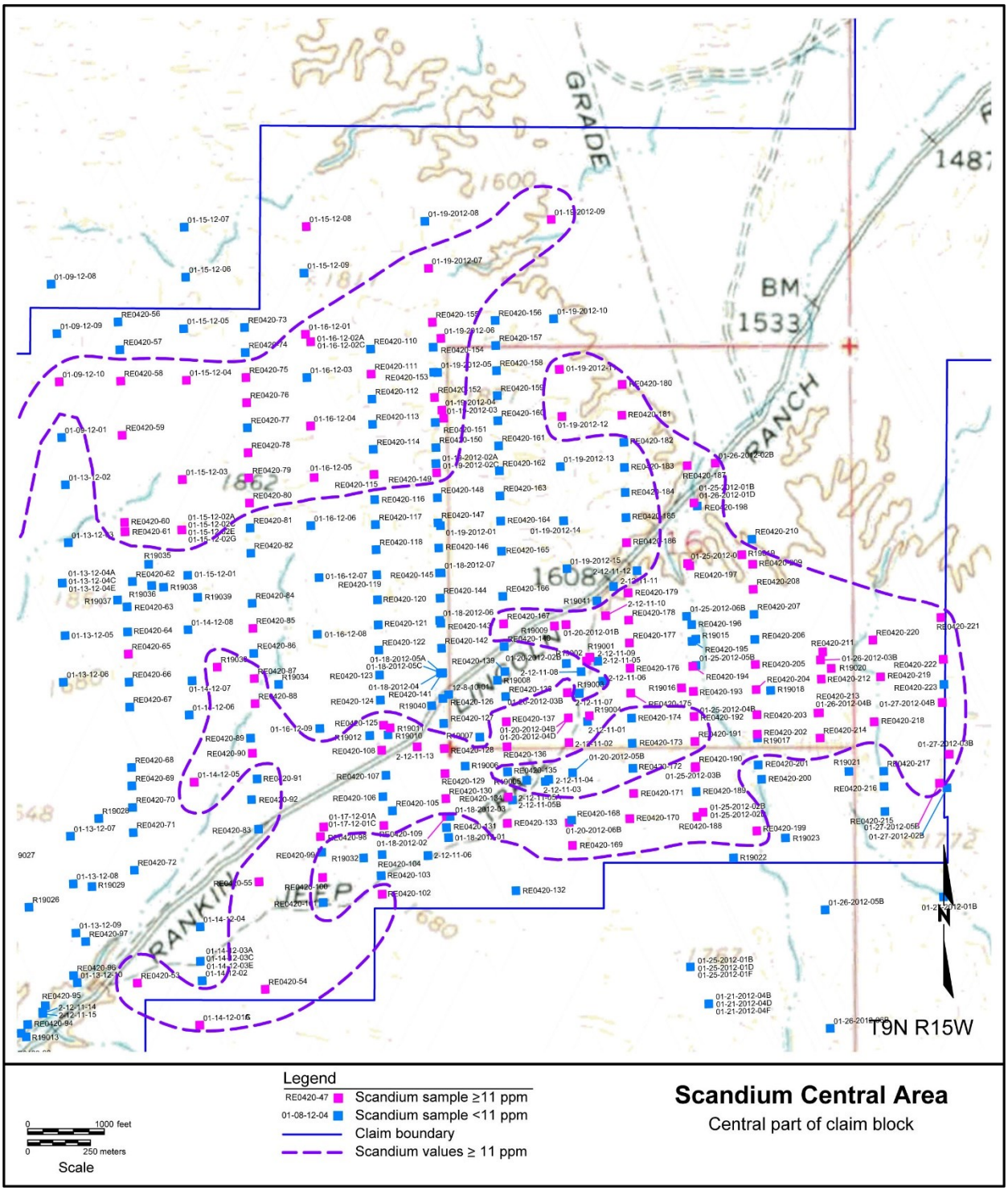
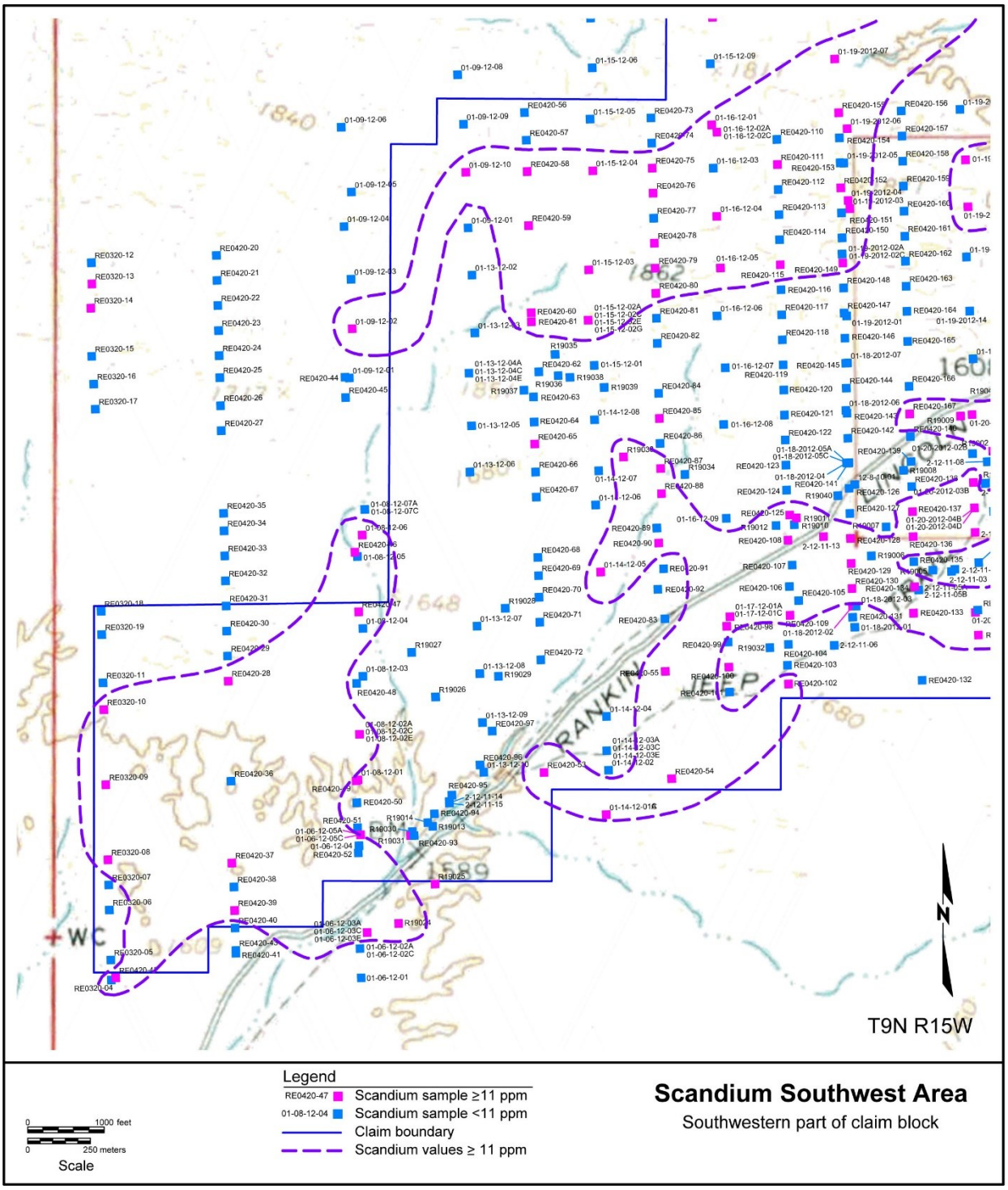


Figure 9.2.8 Scandium Southwest Area



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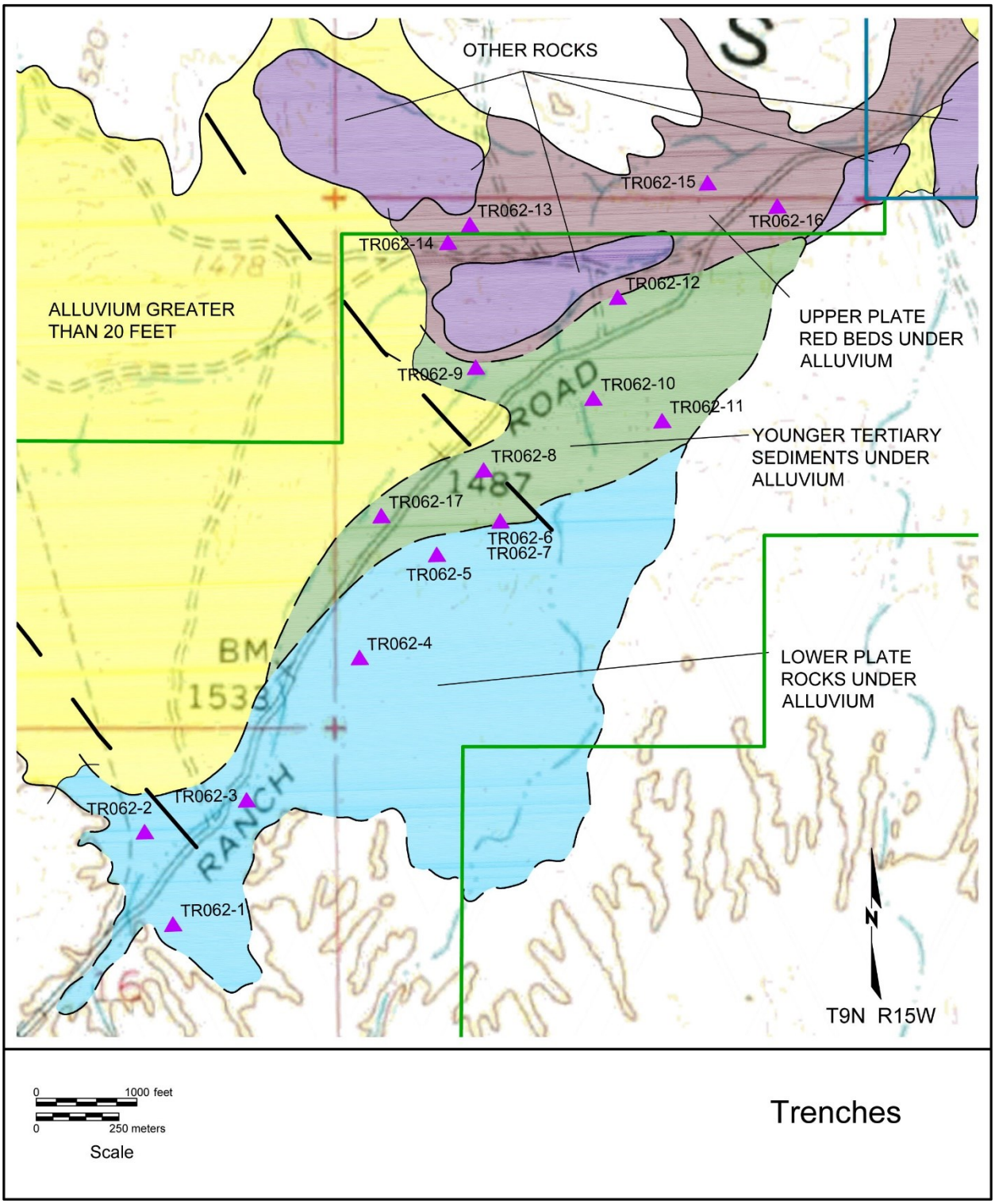
9.3 Trenching

Seventeen trenches were dug and sampled in 2020 with results tabulated as follows:

SAMPLE NUMBER	NORTHING UTM ZONE 12S NAD 27	EASTING UTM ZONE 12S NAD 27	TOTAL RARE EARTH METAL PPM	SCANDIUM METAL PPM	DESCRIPTION
TR0620-1	239655	3779271	466.59	13.7	LOWER PLATE AUGEN GNEISS
TR0620-2	239577	3779553	92.93	4.3	LOWER PLATE GNEISS
TR0620-3	239889	3779641	16.7	0.7	LOWER PLATE SILICIFIED ROCK
TR0620-4	240243	3780063	39.04	1.5	LOWER PLATE SILICIFIED ROCK
TR0620-5	240486	3780369	19.74	0.6	LOWER PLATE SILICIFIED ROCK
TR0620-6	240681	3780465	190.54	7.2	YOUNGER TERTIARY SEDIMENT
TR0620-7	240681	3780465	93.26	2.4	LOWER PLATE SILICIFIED ROCK
TR0620-8	240635	3780621	162.86	5	YOUNGER TERTIARY SEDIMENT
TR0620-9	240620	3780933	153.39	5.9	YOUNGER TERTIARY SEDIMENT
TR0620-10	240973	3780829	166.82	5.7	YOUNGER TERTIARY SEDIMENT
TR0620-11	241180	3780755	355.09	10.5	UPPER PLATE RED BEDS
TR0620-12	241056	3781133	255.62	7.3	YOUNGER TERTIARY SEDIMENT
TR0620-13	240614	3781366	168.42	5.7	UPPER PLATE RED BEDS?
TR0620-14	240546	3781314	255.8	8.4	UPPER PLATE RED BEDS
TR0620-15	241388	3781472	202.7	6.2	BOULDERS WITH CALICHE
TR0620-16	241547	3781396	355.65	14.6	UPPER PLATE RED BEDS
TR0620-17	240321	3780491	194.09	8.3	YOUNGER TERTIARY SEDIMENT

Most of the trenches were dug in either lower plate silicified rock or younger upper plate Tertiary sediments. In the lower plate all but one trench cut silicified rock. Silicification apparently impacts the rare earths and scandium content of the rocks resulting in diminished REE and scandium assay values.

Figure 9.3.1 Trenching Locations



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10. DRILLING

In April 2011 AusAmerican contracted Dynamic Rock Solutions of Salome, Arizona to conduct exploration drilling using a track mounted percussion. One hundred and ninety five 3.5 inch holes were completed to depths ranging from 40 (12m) to 100 feet (30m). A total of 18,805 feet (5732m) was drilled. Distances between holes was 100 feet (30m) and drill holes were located along four lines- three parallel lines (A, B and C) in the NW-SE direction, and a fourth line (D) was oriented in the NE direction and crossed lines A,B and C (Figure 10.1).

Drill holes cuttings samples were collected on five foot intervals. An approximate 3 pound sample was submitted to ALS Laboratory in Reno, Nevada for geochemical analysis. A total of 3260 samples were submitted and results of the analyses are summarized as follows:

- Upper Plate (490 samples) TREE Assay Range : 70.6 – 350.1 ppm
- Lower Plate (2770 samples) TREE Assay Range: 86.1 – 781.5 ppm

For both the upper and lower plates the average percentage of light rare earths verses heavy rare earths is 83.5 % to 16.5%

Sections showing TREE were plotted for each drill line and are shown in Figures 10.2 through 10.4. Contouring was completed using Inverse Distance Weighted methodology. These sections show variation in the TREE concentration. Zones of higher grade could represent differing rock types. Further work is recommended to better understand the zoning and possibly target higher grade material. Note that Line B contour was not included in the original data set and is not presented here.

The historic interpretation is of a structural basement feature of probable Proterozoic age that has been unroofed and partially exposed by expansion tectonics, in particular by a well-documented detachment fault.Figures10.2 through 10.4 can possibly illustrate high angle chutes of higher grade TREE within schists and gneisses in the lower plate and give support to the concept the TREE's could have been introduced into the formations possibly from an alkalic intrusion. It should also be noted that to date mineralization at the La Paz property exhibits very low uranium and thorium levels. For all 3260 samples, average uranium and thorium values were 1.18ppm and 6.04ppm respectfully.

Figure 10.1 Drill Hole Location Map

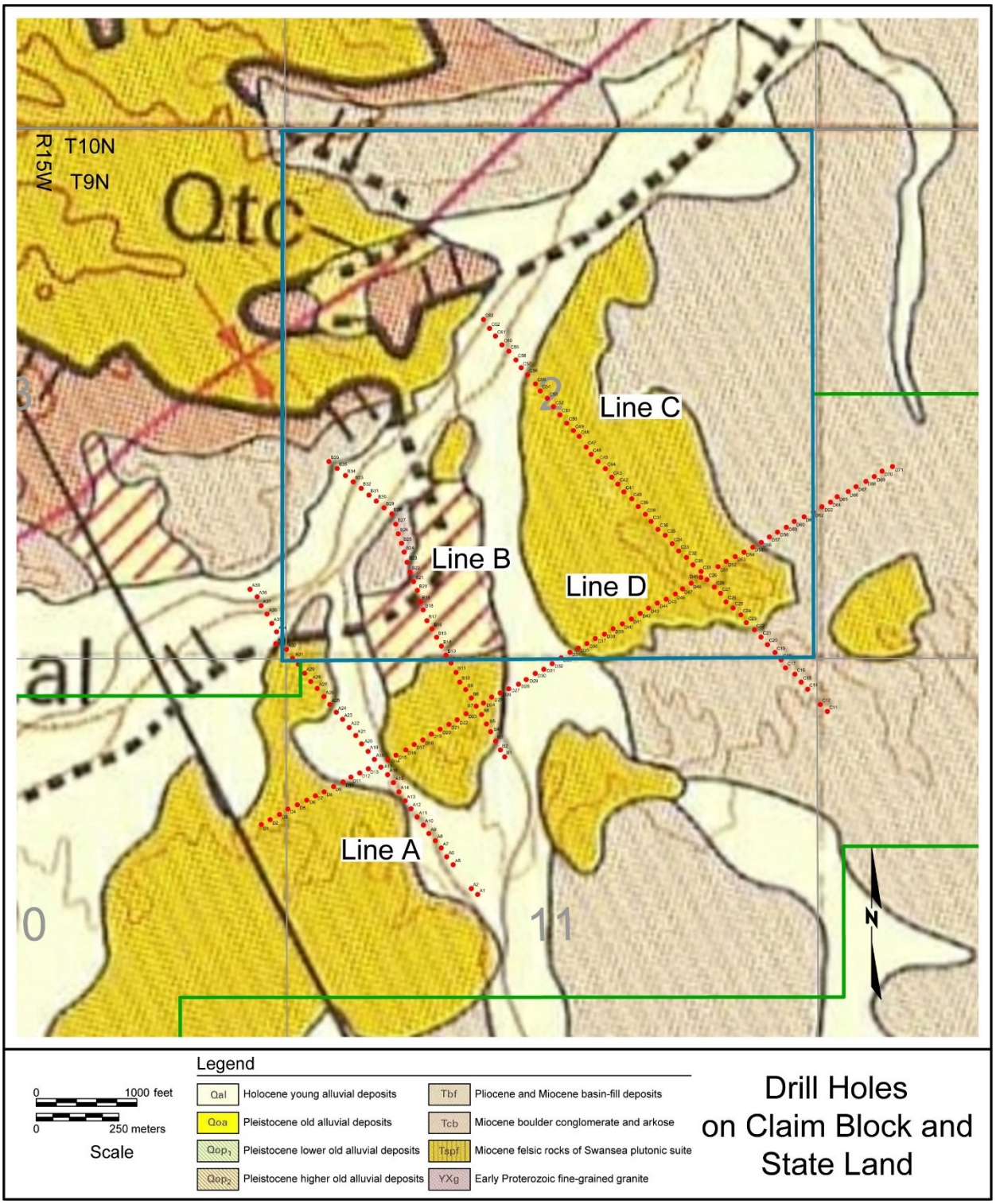

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Figure 10.2 Line A – TREE Contour (ppm)

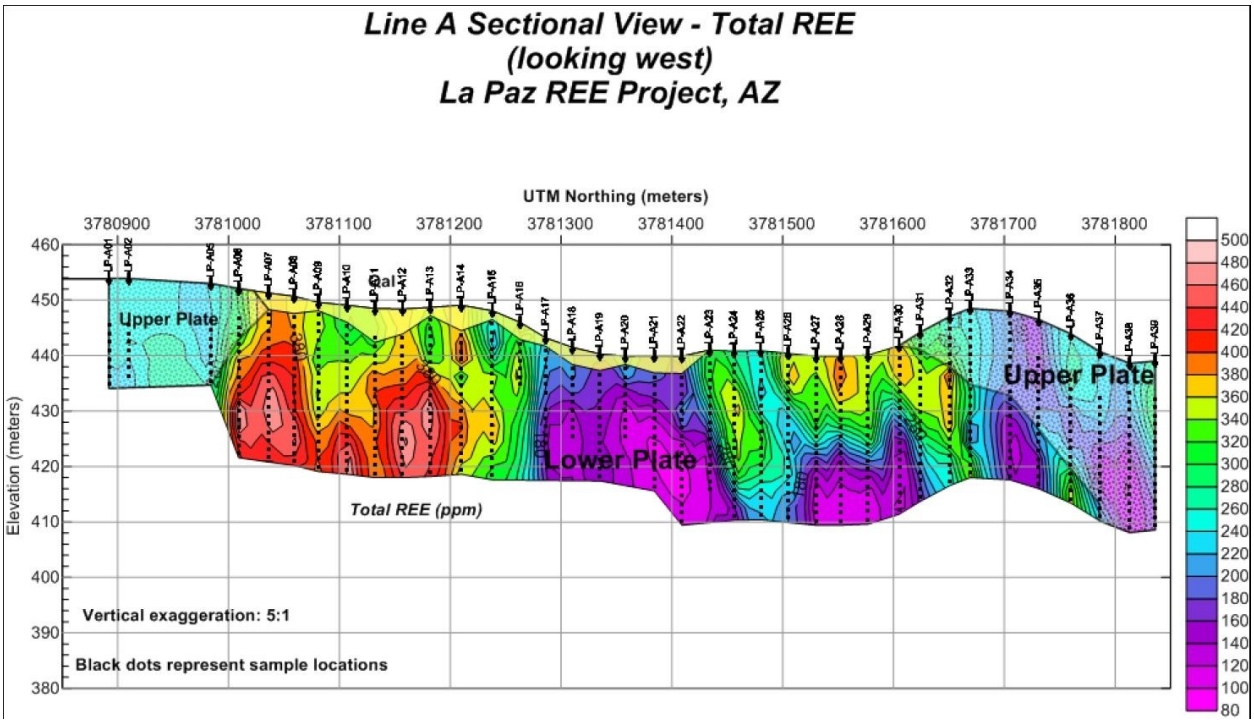

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Figure 10.3 Line C - TREE Contour (ppm)

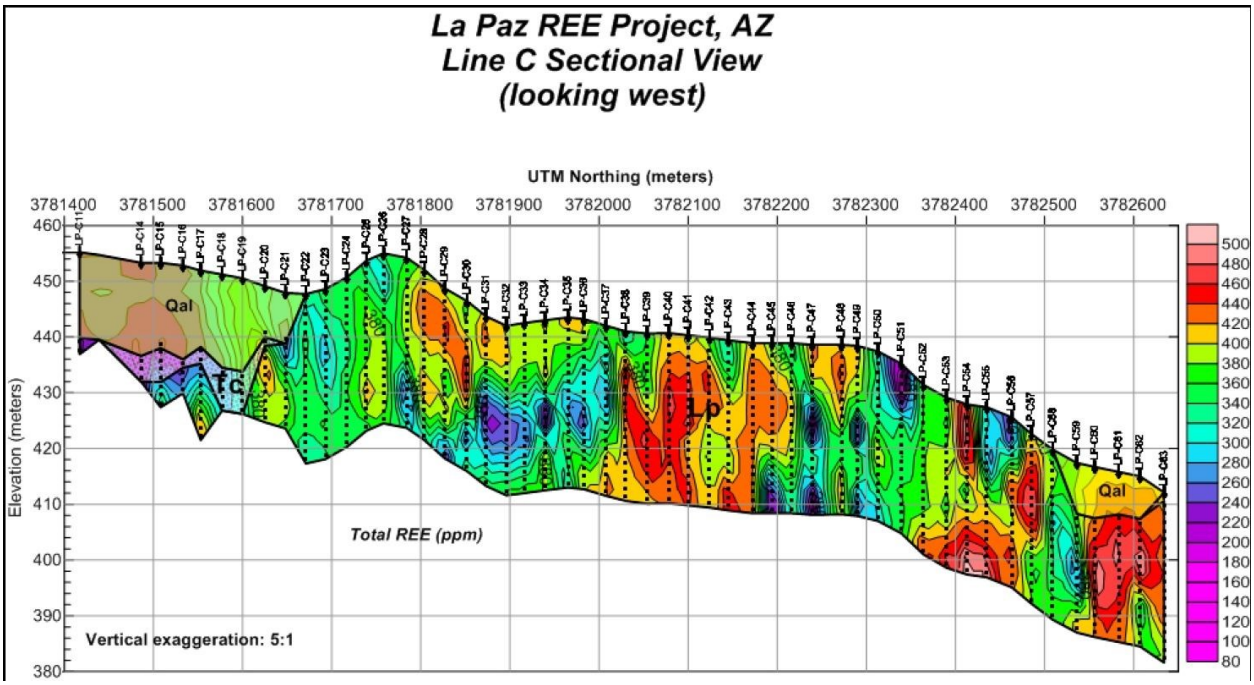

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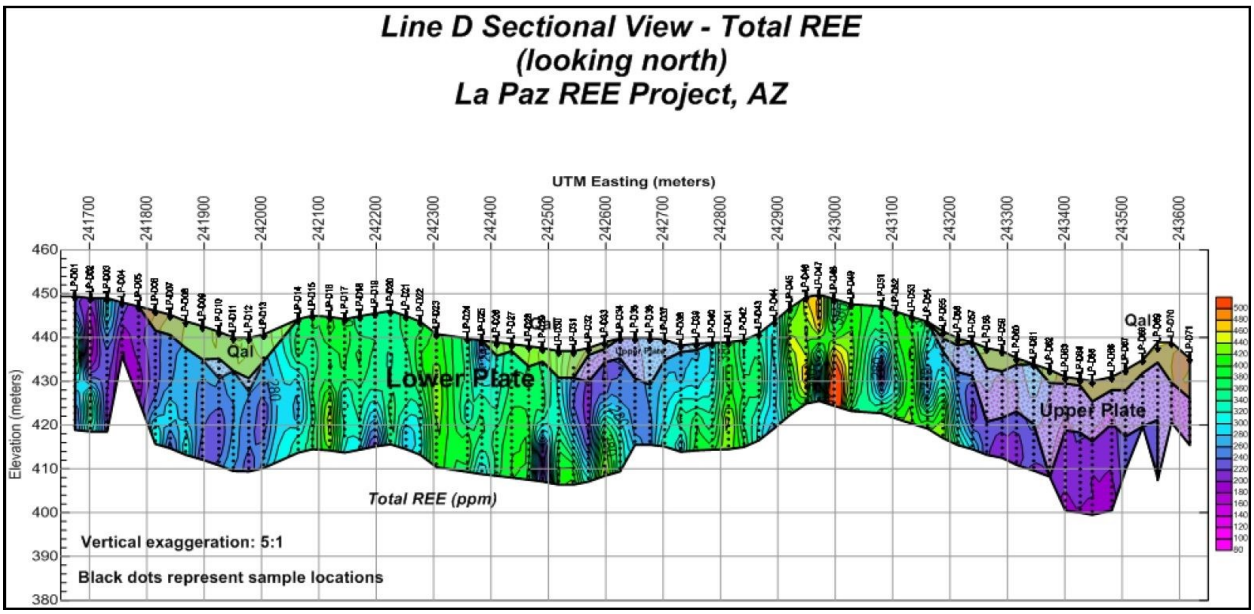
Figure 10.4 Line D – TREE Contour (ppm)



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11. SAMPLE PREPARATION ANALYSIS AND SECURITY

The program of percussion drilling was supervised by John Peterson, a geologist based in Arizona who designed the property grid and assisted in laying out the pattern of drill holes. Site management was provided by Larry Lehto, geologist, based in Colorado, who attended to all logistics related to the program. Larry took delivery of drill cuttings at the drill site, prepared the samples that were forwarded to the laboratory and ensured that the chip trays were suitably prepared. Drill cuttings were sampled on 5 foot (1.5m) increments by selecting approximately 1 kg of material that was apparently representative of that particular interval. The selected sample was placed in a tight cloth bag that was then marked with identifying details of the drill hole number and depth of the sample interval. Cuttings, also representative of the particular interval, were washed to remove dust and fine particles and a sample volume of approximately 5cc's then placed in standard plastic chip trays that were marked with drill hole number and depth of sample interval. The samples of cuttings were stored in a storage locker in Bouse and were all times in control of the site manager, with no opportunity for interference by any other person until picked up by a bonded courier who conveyed them to a receiving dock of the ALS analytical laboratory in Reno Nevada.

The analytical laboratory processed the La Paz chip samples according to industry standard procedures: the entire sample was homogenized by rolling in a cloth and a portion (about 250 grams) was pulverized to pass a -75 micron screen. One half grams of the -75 micron material was then fused with lithium borate, digested in a 4 acid solution and then analyzed for 38 elements by induced coupled plasma-mass spectrometric methods. The laboratory, in order to maintain internal quality control also analyzed duplicate samples, blank samples and standard samples.

Data were reported to AusAmerican in standard form. Assay reports and certificates were available on time and paper copies were mailed to the Tucson office. The certificate of analysis is a spreadsheet that lists elements and measurement unit (i.e. ppm) in a row, above columns of quantities corresponding to sample identification.

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12. DATA VERIFICATION

AusAmerican did not have access to standard samples that included REE and relied upon internal controls maintained by ALS to ensure accuracy of data. The laboratory maintained at the time (2011) ISO 9001:2008 registration and ISO 17025 accreditation and provides worldwide services to a very wide range of companies in the mining and mineral exploration industries.

Historically there was a recommendation to AusAmerican supply a quantity of La Paz rock to a prep lab that would then prepare standard samples for submission, along with blanks and other commercial standard samples randomly into the La Paz sample streams. It was also recommended that the company adopt a more rigorous QA/QC program by inserting blind standards, duplicates, and blanks into the sample stream and not rely entirely on interval controls by ALS.

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13. MINERAL PROCESSING AND METALLURGICAL TESTING

SRC in 2012 conducted a leaching test of the La Paz REE mineralization. The primary objective of the leaching test was to evaluate the amenability of the rare earth concentrate to various leaching processes. The secondary objective is to optimize the leaching process to minimize reagent consumption.

The composite sample, subjected to concentrate preparation and leaching test, contains about 356 ppm light rare earth oxides (LREO), 88 ppm heavy rare earth oxides HREO), and 444 ppm total rare earth oxides (TREO). The concentrate was produced through a series of physical separations including gravity separation (shaking table), magnetic separation, and flotation. The primary purpose of the physical separations was to prepare the concentrate sample for the leaching tests. There was no attempt to optimize the physical separations. A total of 3726 g concentrate sample were produced. The average grade was 849 ppm LREO, 172 ppm HREO, and 1020 ppm TREO. The concentrate represented 22.2% of the initial sample mass and 54.7% of the TREO contained in the initial sample. Mineralogy analysis performed on the concentrate sample indicated that allanite was the major rare earth bearing mineral. The concentrate samples were treated using various reagents and methods. The most effective leaching process was H2SO4 acid roasting-dilute H2SO4 solution leaching. A two hour roasting at 300º C and a 1.0 of H2SO4/sample ratio followed by 3 hour of 1% H2SO4 solution leaching extracted 88.4% of the LREO, 47.6% of the HREO, and 81.0% of TREO. The increase in roasting temperature or time will reduce the leaching extraction rates due to the increased formation of insoluble rare earth components. Sodium hydroxide cracking and direct HCl acid leaching as well as high temperature calcination-leaching were not effective to extract the rare earth elements in this sample of this test program. Bottle roll tests were performed as well to evaluate the potential of heap leaching. In a 240 h bottle test using concentrated HCl acid, 17.7% LREO, 18.1% HREO, and 17.8% TREO were leached out.

In February 2020 the Wood Group of Perth Australia was commissioned to review all of the metallurgical test work completed to date plus make recommendations of what future metallurgical work should be undertaken. This report is presented in its entirety in Appendix D.

Any future proposed metallurgical test work will be completed on cores that are planned to be drilled in November 2020.

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14. MINERAL RESOURCE ESTIMATES

In 2011 a resource estimate was made based on the results of 195 drill holes and over 100 surface samples. Drilling data from 2011 was separated into two domains – Lower Plate and Upper Plate based on geology. Within each domain, indicated and inferred resources were estimated. Blocks within the domains located less than 20m from any drill hole were classified as indicated, all other blocks within the domains are classified as inferred. No density or specific gravity tests have been performed at the project. On the basis of standard tables of specific gravities of common rocks (in this case gneiss), a specific gravity of 2.65 was used.

At a 300 ppm cutoff the 2011 total indicated and inferred resource in the upper and lower plates was estimated at 128.2 million tonnes containing 95.4 million pounds of rare earths (REE). The following tables show the breakout of the indicated and inferred resources.

Indicated Resource

	Tonnes (millions)	Grade above cut-off (ppm)	Grade above cut-off (%)	Pounds REE (millions)
Upper Plate	0.4	337.7	0.033	0.3
Lower Plate	15.8	373.4	0.037	11.8
Total Indicated	16.2	373.4	0.037	12.1

Inferred Resource

	Tonnes (millions)	Grade above cut-off (ppm)	Grade above cut-off (%)	Pounds REE (millions)
Upper Plate	7.2	369.8	0.036	5.4
Lower Plate	104.8	371.6	0.037	77.9
Total Inferred	112	371.5	0.037	83.3

In October 2020, a review of the methodology for calculating this resource was completed by Alf Gilman of Odessa Resources Ltd. Mr. Gilman is a QP for JORC/ASX resource estimations. His conclusion is that the resource calculation methodology applied is reasonable for this type of deposit. This resource was reported in an ASX Announcement “New work sets first JORC compliant resource for US’s leading Rare Earths project –owned by Australia’s ARR” dated 11/11/2020.

After completion of the confirmation core drilling in November/December 2020 the REE resource will be updated with the new core data. Additionally, the historic drill data combined with the new core information will be used to calculate a maiden scandium resource.

15. MINERAL RESERVE ESTIMATES

Due to the early stage of exploration on this property, no mineral reserve estimates can be made for this property.

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16. MINING METHODS

There is no mine plans yet developed for the Property. It is anticipated however that due to the near surface exposure of the REE mineralization that an open cut mining scenario will be likely. Mining will be addressed in the planned H2 Preliminary Economic Analysis (PEA)

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17. RECOVERY METHODS

No recovery methods can be developed for the Property currently until more detailed metallurgical test work and studies are completed. Results of proposed 2021 metallurgical test work will be incorporated into the planned H2 PEA.

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18. PROJECT INFRASTRUCTURE

Infrastructure on the property is minimal. A high voltage power line and a high pressure natural gas line are approximately 11 km from the property. Cell phone coverage is spotty to nonexistent. According to locals groundwater is present at a depth of approximately 400 feet (122m) and likely suitable for any processing efforts in the future. Water for exploration drilling is available in Bouse approximately 16 miles (26km) away. Road access is good via dirt and gravel roads. The town of Bouse is 16 miles to the southwest. Limited services are available. Parker, Arizona 50 miles (64km) northwest of Bouse on the east side of the Colorado River has goods and services to support exploration efforts on the property as does Wickenburg, Arizona located 50 miles (64km) east of Bouse.

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19. MARKET STUDIES AND CONTRACTS

There have been no marketing studies completed or contracts made. A general overview of the REE market and uses of REE's in industry is herein presented. Parts of the following discussion of rare metals are from the 2005 publication *"Extractive Metallurgy of Rare Earths" by C.K. Gupta and N. Krishnamurhy.*

Rare earths is a term that characterizes a complex of chemically similar but individually diverse metallic elements that includes the following elements: Lanthanum (La), Cerium (Ce), Praseodymium (Pr), Neodymium (Nd), Promethium (Pm), Samarium (Sm), Europium (Eu), Gadolinium (Gd), Terbium (Tb), Dysprosium (Dy), Holium (Ho), Erbium (Er), Thulium (Tm), Ytterbium (Yb), and Lutetium (Lu). Scandium (Sc) and Yttrium (Y) share similar chemical properties and are often included in the rare earth family of elements. The rare earth elements are divided into two groups:

- The light Rare Earth Elements (LREE) consisting of Ce, Pr, Nd, Pm, Sm, Eu, and Gd.
- The Heavy Rare Earth Elements (HREE) consists of Tb, Dy, Ho, Er, Tm, Yb and Lu.

Despite their name, rare earths have a relatively high crustal abundance; however, economic concentrations of rare earths are scarce. With the exception of Promethium all rare earths occur in nature and commonly occur together in widely varying mixtures. Average crustal abundance ranges from 150-250ppm TREE (long et al, 2010). The separation of individual rare earths is challenging.

Rare earths production currently is overwhelmingly concentrated in western China which is the primary supplier of rare earths to the world markets. Lesser production comes from Australia and the United States.

Bastnaesite (Ce, LA, PR)(CO_3)F, monazite((Ce,La…)PO_4) and xenotime (YPO_4) are the most commercially significant rare earth minerals but not exclusively. Allanite hosted rare earths deposits are a small but potentially significant contributor to the world's supply of rare earths [Authors' Comment].The rare earth component of each mineral may vary greatly from location to location. Collectively, the rare earth elements, due to their particular properties, electrical, chemical, and physical, are irreplaceable in modern high technology applications. Principal uses of rare earth elements in compounds and metallic forms include petroleum, cracking catalysts, automotive catalytic converters, polishing agents, protective glasses, high temperature, high strength ceramics, anti-corrosive coatings, permanent magnets, MRI tomographic applications, and as additives in specialty metals and superalloys.

Rare earth metal pricing is market dependent but China, by controlling or threatening to control supply, has the ability to influence prices. Users are in most cases dependent upon the particular characteristics of one or more rare earth metals to achieve manufacturing objectives and their flexibility is often limited to substituting one rare earth for another.

Purity of metal, which is difficult to achieve, is almost always a critical issue in determining the price paid by the end-user. There is no widely accepted and readily accessed marketplace i.e. consumers and suppliers negotiate individually under confidential arrangements.

In 2018 Executive Order 13817 was signed designating rare earths as "Critical Minerals" for the United States which would potentially merit special assistance and protection from adverse international market developments. In December 2019 the US Army announced that it will fund rare earth processing plants for weapons development.

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20. ENVIRONMENTAL STUDIES, PERMITTING AND SOCIAL IMPACT

This is an early stage exploration project and as such no environmental studies or permitting have been undertaken. The social impact of the project is currently unknown. Historically this region has had gold, silver and base metals exploration, development and mining since the early 1900's. In anticipation of an H2 2121PEA initial environmental impact studies will be undertaken.

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21. CAPITAL AND OPERATING COSTS

Capital and operating costs will be addressed in a H2 2121 PEA once a resource base and an economic REE recovery method for the deposit have been established and mine planning is underway.

22. ECONOMIC ANALYSIS

A preliminary economic analysis will be completed in the for a H2 2121 PEA once a resource base and a REE recovery method for the deposit have been established.

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23. ADJACENT PROPERTIES

There are no adjacent properties currently being explored or developed for rare earths.

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24. OTHER RELEVANT DATA AND INFORMATION

There is no other relevant data or information that has not already been included in this report.

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25. INTERPRETATION AND CONCLUSIONS

The La Paz rare earth property merits further exploration and metallurgical test work. The La Paz Rare Earth Deposit, although of relatively low grade is large with room for expansion through additional drilling. The deposit also has uncomplicated mineralogy, lack of significant uranium and thorium, favorable preliminary test work and nearby supportive infrastructure and location.

Exploration, mainly in the form of drilling will provide additional geologic and analytical data that may confirm a conceptual model of REE enrichment associated with allanite derived from or within nearby alkalic intrusions.

In addition to step out and infill drilling to expand the resource, a core drilling program concentrating on the higher grade zones already defined by previous drilling is concluded as being necessary for acquiring better quality, competent rock material for metallurgical test work. The core drilling for the metallurgical testing should take precedent over the step out drilling.

Additional conclusions are summarized as follows:

- The Scandium is not limited to the Allanite. It is ubiquitous to the lower plate gneiss in relative higher grades than the overlying red bed sediments. This potentially means there could be economic value in processing more of the gneiss for Scandium. This would be additive to Rare Earths and Scandium in the allanite material.
- After the planned Q4 2020 drilling program we expect to be able to upgrade the Rare Earths resource and separately establish a maiden resource for Scandium.
- A detailed review of the previous drilling at different elevations indicates opportunity for more than 60M thickness of higher-grade Rare Earths values in the lower plate gneiss. Thus, the topography lends itself to the opportunity to substantially increase the resource by deeper drilling in the lower plate, where higher grade Rare Earths is prevalent. This analysis supports the plan for a core drilling campaign to 61M depths in late 2020.
- A review of the favorable geology and occurrence of Rare Earths and Scandium fortifies the planned extensive metallurgical test work scheduled for 2021. Such testing is being explored with Australian firm Nagrom, as recommended by WOOD PLC, as well as with the Saskatchewan Research Council using their respective proven processes. Additionally, it supports the planned collaborations with leading US universities and national laboratories to test the feedstock in cutting-edge new processes.
- The current property position has been expanded to the Southwest due to favorable Rare Earths and Scandium sampling results. This presents the opportunity to increase the resource through additional drilling in this area in 2021. The current lode claims and AZ State Exploration Permit Area held by the Company is 5,143 Acres (2,081 Hectares). The current defined resource sits within an area of approximately 525 of those acres (212 Hectares).
- The activities undertaken by the Company will provide the preliminary backdrop for the planned PEA in H2 2021. The following key activities are recommended to be undertaken by the company to deliver a PEA in H2 2021: Further surface sampling, metallurgical testing, additional drilling in the maiden resource and the additional areas targeted, open cut mine planning and processing.
- With appropriate additional drilling to verify the data, the authors of the resource estimate consider the REE and Scandium resources can be confidently reclassified and expanded.

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26. RECOMMENDATIONS

The present database for the La Paz REE property comprises surface prospecting and geologic mapping, surface outcrop and trench sampling and analytical data for 195 shallow percussion drill holes. A preliminary test of recovery methods has identified a combination gravity and magnetic separation process as a possible mineral processing method. That being said it is imperative that better quality samples in the form of cores be drilled in select high grade areas previously identified by the percussion drilling. Additionally, scandium recovery needs to be investigated. Groups at Perdu University and Penn State have been identified that may be available to do the scandium recovery test work. REE recoveries by these groups are also being investigated.

A limited 6 hole coring program has been proposed and is anticipated to begin in November 2020. The cost of this drilling program and associated metallurgical test work is estimated at $390,000. Initial metallurgical test work would begin post the drilling program in the 4th quarter 2020 and continue into the 1st quarter 2021. Pending the results of this work, more advanced metallurgical studies should be implemented in 2021. The Wood Group in Perth recommended an advanced metallurgical testing program based on the test results to date. Pending the results of the late 2020 core test work the proposed Wood program should be evaluated in detail. For 2021 a detailed REE/scandium resource expansion drilling program should be developed. To maximize grade relatively short (30 to 50m) step out reverse circulation (RC) drilling should be completed in areas previous drilled where values exceeded 300ppm TREE. Scandium values tend to be high also in areas of high ppm TREE so the drilling will also likely identify a scandium resource greater than 11ppm. A face sampling bit RC drilling program allows for greater control of what interval a sample is coming from plus the RC rig sample collection system can provide high quality non contaminated samples. Interspersed with the RC drilling, coring should also be completed in order to maintain tight geologic control and provide further high quality cores for ongoing metallurgical testing.

27. REFERENCES

Boyer, S.B, Ostensoe, E., 2011, La Paz Rare Earth Project, La Paz County, Arizona, USA: Internal Company Report.

Gupta, C.K. and Krishnamurhy, 2005, Extractive Metallurgy of Rare Earths, CRC Press

Peterson, J, 2020, Trenching Report, La Paz Rare Earth Project, La Paz County, Arizona, Internal Company Report.

Peterson, J, 2020, Sampling Report, La Paz Rare Earth Project, La Paz County, Arizona, Internal Company Report.

Saskatchewan Research Council, 2011, Final Report TREO Concentration Process from Drill hole samples of the La Paz REE Deposit, Private Report to AusAmerican Corporation by J. Zhang, Mining and Minerals Division, SRC Publication No. 13179-1C11, October 2011.

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28. CERTIFICATE OF QUALIFICATION

CERTIFICATION OF QUALIFICATIONS

JAMES R. GUILINGER (AUTHOR)

CONSULTING GEOLOGIST

WORLD INDUSTRIAL MINERALS LLC

I, JAMES R. GUILINGER, Qualified Professional Member (QP) #01260280RM of the Society Of Mining Engineers (SME), HEREBY CERTIFY THAT:

1. I am currently employed as a consulting geologist with World Industrial Minerals LLC, PO Box 130, Arvada, Colorado, USA 80004.

2. I am a graduate of the University of Colorado, with a B.A. degree in Geology (1973), I have been practicing my profession since 1974.

3. I am a member of the Society Of Mining Engineers (SME) RM, number 01260280 RM.

4. From 1974 to present I have been actively employed in various capacities in the mining industry in numerous locations in North America, Asia, Europe and the Middle East.

5. I am the Author of the Technical Report titled dated September, with an effective date of September (the "Technical Report) and accept professional responsibility for all sections of this report except as stipulated in Item 3 "Reliance on Other Experts" in regards to environmental issues, permitting, Resource Estimation and land status.

6. I visited the La Paz Rare Earth Project on August 31, 2020.

7. I have had extensive prior involvement working in rare earths and on rare earths properties similar to La Paz since the mid 1980's in various capacities as an employee of mining companies and as a consulting geologist.

8. As of the effective date of the Technical Report, to the best of my knowledge, information and belief, The Technical Report Contains all scientific and technical

information that is required to be disclosed to make the Technical Report not misleading.

9. I am independent of ARR.

10. I consent to the filing of this Technical Report with any stock exchange and other regulatory authority and publication by them, including publication of this Technical Report in the public company files on their websites accessible by the public.

DATED in Arvada, Colorado, USA this 11th day of November, 2020.

James Guilinger RM01260280

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APPENDIX A: JORC TABLE 1

JORC Code, 2012 Edition – Table 1 report template

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	• Historical drilling: In 2011, the prospect was drill tested by 195 percussion drill holes ranging from 40' (13m) to 100' (30m depth) for a total of 18,805' (5,731)m. Drilling was completed on 3 parallel section lines across strike and 1 section line along strike, with holes spaced 100' along section lines • Representative 1kg samples were collected from each 5' (1.52m) interval of drilling. • A 250g sub-sample was pulverized to -75 microns and a 0.5g charge was assayed for REEO by ICP-MS using standard industry procedures at ALS Chemex, Reno, Nevada.
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	• Historical drilling: A track mounted percussion rig supplied by Dynamic Rock Solutions LLC, Salome, Arizona was used to drill 195 3.5" diameter percussion holes. Drilling began on April 20th 2011 and was completed on May 31st 2011. Hole depths varied from 40-100', with 142 out of 195 holes drilled to 100' depth. A total of 18,805' (5,731m) was drilled. •
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.*	• Sampling of ~200g per foot drilled to produce a composite~1kg sample for every 5' drill interval which is considered representative of each interval.

Criteria	JORC Code explanation	Commentary
	• *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	• All drilling was carried out above the water table to minimize possible contamination
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	• A representative sample of each 5' interval was retained in chip trays for logging. • Geological logging is considered to have been logged to a level of detail appropriate to support Mineral Resource Estimates. • Chip sample logging is qualitative in nature. • Drill holes were logged in full based on representative samples from every 5' interval.

Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.*
	• *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.*
	• *For all sample types, the nature, quality and appropriateness of the sample preparation technique.*
	• *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.*
	• *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.*
	• *Whether sample sizes are appropriate to the grain size of the material being sampled.*
		• No core samples have been collected.
		• Percussion chips were collected in a bucket for every 5' interval. A representative 1kg sample from each 5' interval was prepared by the site geologist.
		• All samples were dry.
		  • The 1kg samples were delivered to an accredited laboratory for sample preparation and analysis.
		  • Sample preparation: 1kg samples split to 250g for pulverizing to -75 microns
		  • Sample analysis: 0.5g charge assayed by ICP-MS technique
		  • Sample preparation techniques are considered industry practice and are conducted at accredited external laboratory, all considered appropriate to the style of mineralization and suitable for determining Mineral Resource Estimates
		  •

Quality of assay data and laboratory	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their*	• Sample analysis: A 250g spllt from each sample was pulverized to -75 mciron and a 0.5g subsample fused with lithium borate, then subjected to a 4-acid digest and then assayed by ICP-MS for 38 elements. • No geophysical tools, spectrometers, handheld XRF instruments, etc

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Criteria	JORC Code explanation	Commentary
tests	*derivation, etc.* • *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	used. • The laboratory used standard quality control procedures incorporating duplicate samples, standards and blanks.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• Significant intercepts were verified by an independent consultant geologist as part of the resource estimation. • No twinned holes were used. • Originally all chip trays for each hole interval were stored in a secure facility in Bouse, Arizona. All drill hole logs, associated interval assay results were stored electronically within the company. All geologic data was entered onto log sheets manually then subsequently entered into the computer. Data at all times was secure. •
Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• Holes were not surveyed due to their short length (max 30m depth) • Hole collars were surveyed using a handheld GPS • UTM grid system NAD 1927 Zone 12 • Drill hole elevations were estimated using existing USGS topographic base maps as control.
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* • *Whether sample compositing has been applied.*	• The data spacing and distribution are considered sufficient for the current level of early exploration of the areas of interest. • Samples have not been composited as all sample intervals were equal (5').
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• Close-spaced vertical drill holes were used to overcome any structural bias of the fine-grained disseminated REEO mineralisation.
Sample	• *The measures taken to ensure sample security.*	• Drill samples were kept in a secure storage locker before dispatch by

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Criteria	JORC Code explanation	Commentary
security		bonded courier to the laboratory.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• No audits or reviews have been conducted. Extensive review of the data has been undertaken for the purpose of updating the historic and current planned exploration activity.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.*	The tenement schedule is included in the appendix to this report. The tenements are in the form of 20 acre United States Bureau of Land Management lode mining claims. The total land package controlled by the Company in the La Paz Project Area consists of 261 unpatented lode mining claims totalling 5392.26 acres (2178.47 has). The State Exploration Permit totals 640 acres (259 has). The mining claims are 100% owned by the Company with no royalties. All claims are outside of any wilderness or national park and environmental settings. An historic railroad line cross a portion of the claims but is outside of any historic or planned exploration programs. The State leased land is subject to a State royalty (as yet undetermined) once the exploration activity has advanced to the exploitation level. At this point the State engineers and geologists will evaluation any defined mineral deposit and determine an appropriate royalty.

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Criteria	JORC Code explanation	Commentary
	• *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• • The QP is not aware of any environmental liabilities attached to the La Paz claims and is not a Qualified Person with respect to environmental issues. An archaeological survey of the La Paz claims conducted by Professional Archaeological Services of Tucson, Arizona, dated March 20, 2011, was submitted to the Arizona State Land Department. The survey found no substantial areas of archaeological significance (P.A.S.T., 2011). The author is not a Qualified Person with respect to archaeological issues. • As long as annual Arizona State lease holding fees and annual claim holding fees are paid to both the BLM and the County (La Paz) in which the claims reside, tenure is secure.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Rare earths were first recognized in June 2010 by John Petersen, a geologist, who submitted for analysis a reconnaissance sample from the Swansea and Bill Williams River areas that analyzed 459.98 ppm total rare earth elements (TREE). A further 119 samples returned TREE values of 20.6 to 674.21 ppm. Scandium varied from 1.1 to 30.2 ppm. AusAmerican then conducted a confirmation sampling exercise of 22 samples that returned values of 6 to 588 ppm TREE, followed in February, 2011, by a sample grid of 199 samples that returned 49 to 714 ppm TREE. 195 percussion drill holes were drilled in early 2011. Additional sampling was conducted in 2019 and 2020. • All drilling was carried out by AusAmerican Mining Corporation and at the time the company was listed on the ASX.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The project lies within the Harcuvar metamorphic core complex within the Basin and Range Province of Arizona. Mineralisation is hosted in alkali granitic gneiss and to a lesser extent, a structurally-superimposed suite of continental red beds. REEOs occur in Allanite (epidote) that occurs as fine-grained disseminations and micro-fracture fillings.
Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:* ○ *easting and northing of the drill hole collar*	• AusAmerican in 2011 contracted Dynamic Rock Solutions LLC of Salome, Arizona, to conduct exploratory drilling using a track-mounted percussion drill. Drilling began on April 20, 2011 and was completed on May 31, 2011. One hundred and ninety-five 3.5”

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Criteria	JORC Code explanation	Commentary
	○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar* ○ *dip and azimuth of the hole* ○ *down hole length and interception depth* ○ *hole length.* • *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	diameter holes were completed for the purpose of obtaining samples of the rock types present. Holes varied in depth from 40 to 100 feet: most holes (142 of 195) were completed to 100 feet and total footage drilled was 18,805 feet. Distances between holes was 100 feet and holes were situated along 4 lines: Lines A, B, and C were oriented NW-SE, and one, Line D, was oriented in the NE direction and crossed the other lines. The map below illustrates the La Paz percussion drill hole locations and the sample lines. •
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• Drill holes cuttings were collected at five-foot intervals. An approximate 2 lb. (1.36 kg) sample was submitted to ALS Chemex laboratory in Reno, Nevada, for geochemical analysis. A total of 3269 samples were submitted: all were analyzed for 60 elements, including REE, Y and Sc. REE assay results from the percussion drilling program are summarized in an Appendix at the back of the report
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• The vertical drill hole orientations, 5' sample lengths are considered appropriate to the style of flat-lying bulk tonnage mineralisation

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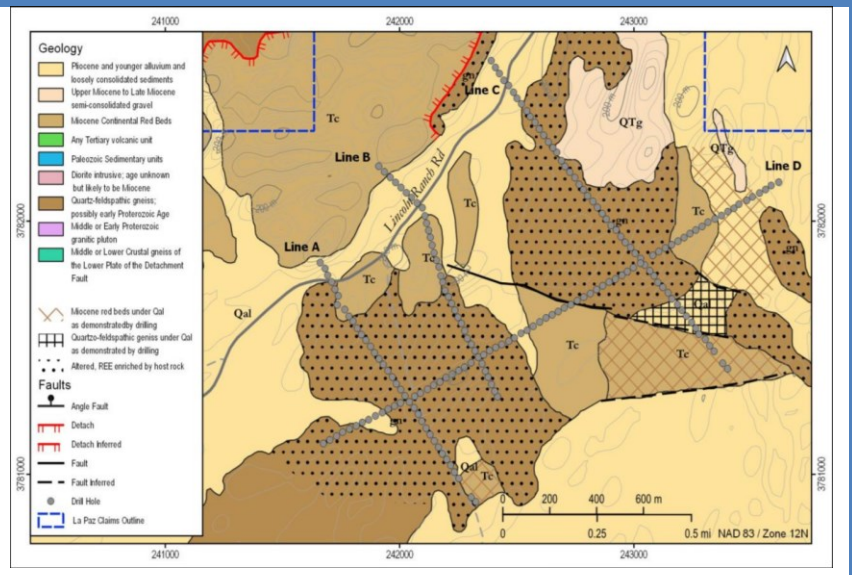
Criteria	JORC Code explanation	Commentary
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	•  • Additional figures are found in the body of the report.
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	• Exploration results are included in the body of this report under both the "Exploration" and "Drilling" Sections.
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• Metallurgical test work was completed following the 2011 drilling program. Drillhole LP-B7 was twinned and sixteen samples submitted to Saskatchewan Research Council, Saskatoon, Saskatchewan, Canada for pre-concentration and preliminary leaching tests…… • Representative rock specimens were submitted to SGS Canadian Laboratories, Vancouver, Canada from within the resource areas to determine overall mineral assemblages and liberations/association of rare earth element carriers.
Further	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).*	• Six 200 foot deep vertical core holes are planned to be drilled across the project area. These holes will be twins of the following previously

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Criteria	JORC Code explanation	Commentary
work	• *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	drilled percussion drill holes: B13, C54, D47, A7,C38, C62. Refer to the "Drilling Section" drill hole map for locations of these proposed holes. The purpose of these core holes is to confirm previous results, test for extensions of mineralization to depth, and to collect a high grade combined TREE core for metallurgical testing.

Section 3 Estimation and Reporting of Mineral Resources

(Criteria listed in section 1, and where relevant in section 2, also apply to this section.)

Criteria	JORC Code explanation	Commentary
Database integrity	• *Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes.* • *Data validation procedures used.*	• Drill hole logs are captured in an Access database with built-in validation for imports. The Access database was linked to Gemcom Surpac for geological wireframing and resource estimation.
Site visits	• *Comment on any site visits undertaken by the Competent Person and the outcome of those visits.* • *If no site visits have been undertaken indicate why this is the case.*	• Competent Person visited the La Paz project site in 2011 to review drill chips, verify drill hole collar locations and critical geological observations. An additional CP (author of this current updated report visited the field in 2020 to review geology and drill sites for the upcoming core drilling program.
Geological interpretation	• *Confidence in (or conversely, the uncertainty of) the geological interpretation of the mineral deposit.* • *Nature of the data used and of any assumptions made.* • *The effect, if any, of alternative interpretations on Mineral Resource estimation.* • *The use of geology in guiding and controlling Mineral Resource estimation.* • *The factors affecting continuity both of grade and geology.*	• The La Paz project area lies within the Reid Valley Basin, adjacent to the Buckskin Mountains, in the west central part of the Basin and Range Physiographic and Structural province of southwestern United States. The Buckskin Mountains are part of the Harcuvar metamorphic core complex that features exposures of a detachment fault and its mylonitic footwall. Hanging wall rocks, collectively referred to as the Upper Plate, consist of a variety of complexly normal-faulted and tilted rocks that include syntectonic, mid-Tertiary sedimentary and volcanic rocks. The footwall block, commonly referred to as the Lower Plate, is composed of variably mylonitic crystalline and meta-sedimentary rocks • The geology at the La Paz project is not well understood at the project level and has not been mapped in detail, however principal rock units identified in chips included Tertiary red beds, gneiss and

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Criteria	JORC Code explanation	Commentary
		felsic intrusives. • Modelling of geological units was completed by delineating two domains conforming to the unconformable character of regional geology: Upper Plate, comprising Quaternary alluvium (Qal) and Tertiary-aged red bed conglomerate (Tc), and Lower Plate, comprising Proterozoic gneiss and Tertiary-Cretaceous felsic intrusive sills. • Geological continuity between drill holes has been assumed and no detailed structural complexity has been incorporated.
Dimensions	• *The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource.*	• The REE mineralized zones extend 900m N-S and 1200m E-W along strike and to a depth of 40m
Estimation and modelling techniques	• *The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of computer software and parameters used.* • *The availability of check estimates, previous estimates and/or mine production records and whether the Mineral Resource estimate takes appropriate account of such data.* • *The assumptions made regarding recovery of by-products.* • *Estimation of deleterious elements or other non-grade variables of economic significance (eg sulphur for acid mine drainage characterisation).* • *In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed.* • *Any assumptions behind modelling of selective mining units.* • *Any assumptions about correlation between variables.* • *Description of how the geological interpretation was used to control the resource estimates.* • *Discussion of basis for using or not using grade cutting or capping.* • *The process of validation, the checking process used, the comparison of model data to drill hole data, and use of reconciliation data if available.*	• Block model size: 10m x 10m x 10m; no rotation; total 265,440 blocks • Block Model Parameters: <table><tr><td></td><td>X (m)</td><td>Y (m)</td><td>Z (m)</td></tr><tr><td>Min Coordinate</td><td>3780892.105</td><td>241660.893</td><td>381.627</td></tr><tr><td>Max Coordinate</td><td>3782642.105</td><td>243620.893</td><td>461.627</td></tr><tr><td>Block Size</td><td>10</td><td>10</td><td>10</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td>Bearing</td><td>Dip</td><td>Plunge</td></tr><tr><td>Rotation</td><td>0</td><td>0</td><td>0</td></tr></table> • Resource estimation was constrained by modelled geological domains and each domain was reported independently. • A total of 3,364 assays from 195 drill holes and 94 surface samples were used for the resource estimate. • Resource estimate was based on an isotropic Inverse Distance Weighting (IDW) interpolation. The minimum number of sample sued to populate each block was three. A maximum search radius of 20m and 400m was used to populate blocks for indicated and inferred resources respectively. • Variographic analysis concluded that there was no strong directionality. • Search parameters:

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Criteria	JORC Code explanation	Commentary

	Bearing	Plunge	Dip
Ellipsoid Orientation	0	0	0
	Major/Semi-Major	Major/Minor	
Anisotropy Ratios	1	1	

Composite Parameters:

Count	3364
Mean	320.15
Standard Error	1.965
Median	336.2
Mode	288.91
Standard Deviation	113.99
Sample Variance	12995.4755
Kurtosis	0.685665479
Skewness	0.176084552
Range	748.86
Minimum	32.63
Maximum	781.49
Sum	1076991.26

Moisture	• *Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content.*	• Tonnage was estimated on a dry basis
Cut-off parameters	• *The basis of the adopted cut-off grade(s) or quality parameters applied.*	• A cut-off grade of 300ppm TREE was used for reporting mineral resources.
Mining factors or assumptions	• *Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made.*	• No mine plan or design has been prepared at this stage however the shallow nature of the deposit assumes extraction by open pit mining methods.
Metallurgical factors or assumptions	• *The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions*	• Preliminary metallurgical test work on RC chips from drill holes has indicated the mineralisation is amenable to concentration by a series of gravity separation, magnetic separation and flotation processes. • Overall total rare earth oxides (TREO) recoveries are 68.1% at an

Criteria	JORC Code explanation	Commentary
	regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made.	average grade of 1,248ppm TREO and a total mass yield of 26.9% • Total recovery is a combination of 5.2% recovery by gravity separation and 62.9% by flotation.
Environmental factors or assumptions	• *Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where these aspects have not been considered this should be reported with an explanation of the environmental assumptions made.*	• No baseline environmental studies have been completed at this stage, however no environmental liabilities are known.
Bulk density	• *Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples.* • *The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc), moisture and differences between rock and alteration zones within the deposit.* • *Discuss assumptions for bulk density estimates used in the evaluation process of the different materials.*	• No density or specific gravity tests have been performed at the project. On the basis of standard tables of specific gravities of common rocks, a specific gravity of 2.65 was used. • Porosity and Bulk Density of Sedimentary Rocks by G.Edward Manger, Geological Survey Bulletin 1144-E, 1963 suggest that an assigned bulk density of 2.65 is reasonable.
Classification	• *The basis for the classification of the Mineral Resources into varying confidence categories.* • *Whether appropriate account has been taken of all relevant factors (ie relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data).* • *Whether the result appropriately reflects the Competent Person's view of the deposit.*	• Drilling data from 2011 was separated into two domain – Lower Plate and Upper Plate based on geology. Within each domain, indicated and inferred resources were estimated. • Blocks within the domains located less than 20m from any drillhole were classified as indicated, all other blocks within the domains are classified as inferred. • This arbitrarily assigned classification is considered to be fair and reasonable. Proportionally, the indicated resource amounts to 12.7% of the total resource. • Indicated Resource

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Criteria	JORC Code explanation	Commentary

	Tonnes (millions)	Grade above Cut-off (ppm)	Grade above Cut-off (%)	Lbs REE millions
Upper Plate	0.4	337.7	0.033	0.3
Lower Plate	15.8	373.4	0.037	11.8
Total Indicated	16.2	373.4	0.037	12.1

- Inferred Resource

	Tonnes (millions)	Grade above Cut-off (ppm)	Grade above Cut-off (%)	Lbs REE (millions)
Upper Plate	7.2	369.8	0.036	5.4
Lower Plate	104.8	371.6	0.037	77.9
Total Inferred	112	371.5	0.037	83.3

Audits or reviews	• *The results of any audits or reviews of Mineral Resource estimates.*	• The resource estimate methodology has been externally reviewed by Odessa Resources Pty Ltd in September 2020. • This review concluded that the estimate is a fair and reasonable global representation of the mineralization present at the La Paz Project.
Discussion of relative accuracy/ confidence	• *Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate.* • *The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used.* • *These statements of relative accuracy and confidence of the estimate*	• Current data for the La Paz project does not support economic studies at the stage however with appropriate additional drilling to verify the data, the authors of the resource estimate consider the resource can be confidently reclassified and upgraded. • The resource has also been estimated by different methodologies to verify the validity of the global resource estimate.

Criteria	JORC Code explanation	Commentary
	should be compared with production data, where available.	

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APPENDIX B: CLAIM LISTING

Claim ID	Owner	Arizona Mining Claim ID
La Paz 1	100% La Paz Rare Earth LLC	AMC456814
La Paz 2	100% La Paz Rare Earth LLC	AMC456815
La Paz 3	100% La Paz Rare Earth LLC	AMC456816
La Paz 4	100% La Paz Rare Earth LLC	AMC456817
La Paz 5	100% La Paz Rare Earth LLC	AMC456818
La Paz 6	100% La Paz Rare Earth LLC	AMC456819
La Paz 7	100% La Paz Rare Earth LLC	AMC456820
La Paz 8	100% La Paz Rare Earth LLC	AMC456821
La Paz 9	100% La Paz Rare Earth LLC	AMC456822
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La Paz 11	100% La Paz Rare Earth LLC	AMC456824
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La Paz 257	100% La Paz Rare Earth LLC	AMC 461307
La Paz 258	100% La Paz Rare Earth LLC	AMC 461308
La Paz 259	100% La Paz Rare Earth LLC	AMC 461309
La Paz 260	100% La Paz Rare Earth LLC	AMC 461310
La Paz 261	100% La Paz Rare Earth LLC	AMC 461311

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APPENDIX C: DRILLING RESULTS

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Reported Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
A1	242390	3780693	1498		0-5	Qal:Lt brn and white, Sand and caliche, lt green and gray cuttings, gneiss																			
					5-10	Qal:Lt brn and white, Sand and caliche, lt green and gray cuttings, gneiss																			
					10-15	Qal:Lt brn and white, White lt green, lt gray gneiss gneiss																			
					15-20	Qal:Lt brn and white, White lt green, lt gray gneiss gneiss																			
					20-25	20% Qal AA, 80% Tc Miocene red beds dark red brown, 20% white and light colored																			
				A1-6	25-30	Tc: Miocene red beds, 80% dark red brown, 20% white and light colored	7.6	11.1	2.8	38.2	78.7	9.03	35.4	6.21	1.57	5.43	0.84	4.65	0.91	2.65	0.37	2.17	0.36	23.1	210
				A1-7	30-35	Tc: 80% dark red brown, 20% white and light colored cuttings from pebbles of congl.	8.6	12.2	2.8	46.8	96.4	11	43	7.79	1.62	7	1.08	6.01	1.18	3.45	0.47	2.72	0.44	29.7	259
				A1-8	35-40	Tc: 60%dark red brown, 40% white and light cuttings	7.4	15	2.7	58.2	123	13.9	54.3	11.1	1.45	10.7	1.8	10.15	2	5.9	0.8	4.59	0.72	51.5	350
				A1-9	40-45	Tc: 90% dark red brown; 10% lighter and white	8.1	12.3	2.9	43.8	93.9	10.4	40.9	7.62	1.65	7.25	1.15	6.46	1.3	3.8	0.53	3	0.48	33.6	256
				A1-10	45-50	Tc: 90% dark red brown, 10% white and light colored	9.2	11.8	2.8	45.6	92.6	10.5	41	7.32	1.75	6.54	1	5.46	1.1	3.21	0.45	2.59	0.42	28.7	248

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A1-11	50-55	Tc: 90% dark red brown, 10% white and light colored	8.2	11.2	2.5	43.1	86.2	9.83	37.9	6.5	1.7	5.53	0.84	4.56	0.88	2.58	0.36	2.07	0.34	23.1	225
				A1-12	55-60	Tc: 70% dark red brown. 30% white and lighter cuttings	8.2	11.2	2.6	41.9	83.3	9.53	36.6	6.19	1.68	5.4	0.81	4.42	0.87	2.52	0.35	2.02	0.33	22.2	218
				A1-13	60-65	Tc: 80% dark red brown, 20% white and lighter cuttings, harder	13.6	9.2	2.1	35.9	70.9	8.3	32.8	5.92	1.69	5.62	0.84	4.52	0.89	2.55	0.35	1.98	0.32	22.8	195
A2	242371	3780711	1499		0-5	Qal: light pink sand with caliche, white and gray gneiss cuttings																			0
					5-10	Qal: light pink sand with caliche, light gray and green, chite gneiss cuttings																			0
					10-15	Qal: White light green, light gray gneiss cuttings																			0
					15-20	Qa: White, light gray and light green gneiss cuttings																			0
					20-25	90% Qal AA; 10% Tc dark red brown ss red beds																			0
				A2-6	25-30	Tc: 70% dark red brown. 30% light gray and light green	8.5	11.4	2.8	43.9	87.2	9.81	38.1	6.6	1.67	5.86	0.88	4.75	0.93	2.68	0.37	2.13	0.36	23.7	229
				A2-7	30-35	Tc: 80% dark red brown; 20% lighter-white and light green	8.4	13.2	2.7	53.4	106.5	12.1	46.8	8.56	1.6	7.93	1.22	6.64	1.3	3.77	0.52	2.98	0.48	32.5	286
				A2-8	35-40	Tc: 70% dark red brown; 15% light green; 15% white	7.5	13.3	2.5	49.9	101.5	11.7	45.6	8.76	1.55	8.06	1.28	7.18	1.41	4.1	0.56	3.24	0.51	35.4	281

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A2-9	40-45	Tc: 80% dark red brown ss; 20% lighter white and light green	7.2	12.9	2.4	48.6	99.8	11.1	43.1	8.03	1.52	7.41	1.17	6.54	1.31	3.81	0.52	3.06	0.49	33.1	270
				A2-10	45-50	Tc: 80% dark red brown; 20% lighter colored pebble cuttings from conglomerate	7.8	11.9	2.7	43.5	86.4	9.89	38.2	6.76	1.6	6.04	0.93	5.12	1.03	3.06	0.43	2.51	0.41	27.4	233
				A2-11	50-55	Tc: 80% dark red brown ss; 20% light green	7.8	11.9	2.6	40.5	77.5	8.93	34.2	5.9	1.59	5.18	0.8	4.39	0.87	2.56	0.36	2.08	0.35	22.5	208
				A2-12	55-60	Tc: 80% dark red brown ss; 20% light green	8.4	13.7	2.9	39.5	78.5	8.74	33.5	5.88	1.66	5.12	0.78	4.28	0.84	2.47	0.35	2	0.34	21.8	206
A5	242318	3780785	1489		0-5	Qal: 40% light pink ss, 60% various light gray and white gneiss																			0
					5-10	Qal: 30% light pink ss; 70% light gray and white gneiss																			0
					10-15	Qal: various white to light gray gneiss cuttings																			0
					15-20	Qal: various white to light gray gneiss cuttings																			0
				A5-5	20-25	Tc: 90% dark red brown ss; 10% white and lighter cuttings red beds	7	10.9	2.4	36.7	77.3	8.62	33.6	6.16	1.42	5.55	0.86	4.76	0.93	2.69	0.38	2.16	0.36	23.5	205
				A5-6	25-30	Tc: 90% dark red brown ss; 10% white and lighter cuttings red beds	8	11.9	2.8	41.5	85.1	9.51	36.9	6.56	1.56	5.87	0.9	4.93	0.96	2.81	0.39	2.25	0.36	24.5	224

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A5-7	30-35	Tc: 90% dark red brown ss; 10% white and lighter cuttings red beds	8.1	11.2	2.7	42.8	86.3	9.78	38.1	6.67	1.61	5.76	0.88	4.81	0.93	2.72	0.38	2.14	0.35	24.2	227
				A5-8	35-40	Tc: 90% dark red brown ss; 10% white and lighter cuttings red beds	6.7	11	2.5	37.2	77.3	9.41	34.1	6.33	1.68	4.52	0.72	4.32	0.88	2.34	0.34	2.11	0.35	24.1	206
				A5-9	40-45	Tc: 90% dark red brown ss; 10% white and lighter cuttings red beds	7.2	11.3	2.4	40.4	84.8	10.35	37.4	6.84	1.91	4.95	0.77	4.5	0.91	2.49	0.36	2.17	0.36	23.5	222
				A5-10	45-50	Tc: 70% dark red brown ss; 20% light green ss; 10% white and pink	7.2	9.5	2	40.3	81.5	10.25	37.3	6.73	1.79	4.82	0.77	4.38	0.88	2.39	0.34	2.07	0.34	25	219
				A5-11	50-55	Tc: 70% dark red brown ss; 20% light green ss; 10% white and pink	7.8	10	2.1	38.8	79.6	9.92	36.3	6.43	1.8	4.61	0.71	4.17	0.83	2.22	0.32	1.92	0.32	23.3	211
				A5-12	55-60	Tc: 70% dark red brown ss; 20% light green ss; 10% white and pink	8.6	12.8	2.4	47.9	99.6	12	43.4	7.77	1.91	5.37	0.83	4.79	0.95	2.54	0.36	2.17	0.35	24.6	255
A6	242299	3780810	1481		0-5	Qal:white, tan red brown																			0
					5-10	Qal:white, tan red brown																			0
					10-15	15% Qal; 75% Tc red brown ss																			0
				A6-4	15-20	Tc: 70%dark red brown ss; 30% white gray	7.3	12.8	2.5	43.5	92.5	11.4	41.1	7.98	1.68	5.88	0.98	5.88	1.18	3.32	0.48	2.86	0.46	31	250
				A6-5	20-25	Tc: 80%dark red brown ss; 20% white gray	7.7	11.8	2.4	43.4	92.6	11.3	41.1	7.97	1.82	6.1	1.02	6.06	1.25	3.41	0.49	3.02	0.46	31.4	251
				A6-6	25-30	60% Tc: red brown ss; 40% tsp: greed and blue breen silicic, tr epidote	11.6	8.2	2	45.3	94.2	11.95	44.7	8.37	2.24	6.14	0.97	5.56	1.1	3	0.42	2.52	0.41	28.6	255

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A6-7	30-35	Tsp: 90% green and blue green silicic; 10% epidote?	19.7	4.3	1.1	57.8	128	16.5	64.7	12.25	3.06	9.69	1.46	8.39	1.65	4.37	0.6	3.33	0.52	42.8	355
				A6-8	35-40	Tsp: 60% light green; 40% dark green, epidote	18.2	3.9	0.7	64.1	139.5	16.25	69.2	12.95	3.11	10.5	1.56	8.66	1.76	4.59	0.62	3.41	0.52	42.8	380
				A6-9	40-45	Tsp: 40% ,medium green, 30% light green; 30% dark green silicic intrusive	19.5	4.5	0.7	71.5	153	17.35	73.7	14.05	3.14	11.85	1.77	10.25	2.09	5.63	0.78	4.5	0.67	53.8	424
				A6-10	45-50	Tsp: light and medium green with epidote	17.9	4	0.6	64.7	139.5	15.8	66.5	12.8	2.84	10.95	1.66	9.89	1.99	5.45	0.75	4.29	0.66	50.4	388
				A6-11	50-55	Tsp: light and medium green with epidote	17.5	4.1	0.6	63.5	135.5	15.3	64.1	12.3	2.66	10.15	1.55	9.24	1.9	5.22	0.72	4.16	0.65	49.4	376
				A6-12	55-60	Tsp: 80% light green, 20% medium green	15	4.2	0.8	57.1	124.5	13.85	58.2	11.15	2.55	9.6	1.48	8.72	1.76	4.8	0.67	3.87	0.59	44.7	344
				A6-13	60-65	Tsp: 50% light green; 50% medium green intrusive, abundant epidote	19.3	4.1	0.6	71.7	153.5	17.5	72.5	14.15	2.89	11.3	1.75	10.35	2.13	5.81	0.8	4.66	0.69	55	425
				A6-14	65-70	Tsp: 50% light green; 50% medium green intrusive, abundant epidote	17.8	4.6	0.6	81.5	176	20.3	78.9	15.75	3.5	12.75	1.92	10.95	2.18	5.75	0.77	4.44	0.67	54.6	470
				A6-15	70-75	Tsp: 50% light green; 50% medium green intrusive, abundant epidote	20.5	6.7	1.7	93.9	210	24.7	97.2	19.05	3.95	14.45	2.16	11.95	2.36	6.09	0.81	4.52	0.68	58.8	551
				A6-16	75-80	Tsp: 50% light green; 50% medium green intrusive, abundant epidote	19.4	5.7	0.8	98.3	217	25.9	101.5	19.9	4.24	15	2.25	12.35	2.42	6.35	0.84	4.67	0.7	60.2	572

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A6-17	80-85	Tsp: 50% light green; 50% medium green intrusive, abundant epidote	20.7	4	0.7	76.9	173	20.2	87.9	16.45	3.76	12.5	1.85	10.5	2.08	5.4	0.71	4.04	0.59	51.6	467
				A6-18	85-90	Tsp: 50% light green; 50% medium green intrusive, abundant epidote	17.8	3.3	0.5	77.9	171	20.2	81.5	16	3.69	12.2	1.75	9.95	1.97	5.12	0.68	3.83	0.57	49.4	456
				A6-19	90-95	Tsp: 50% light green; 50% medium green intrusive, abundant epidote	20.5	6.5	1.1	65.2	141	16.5	71	13.55	2.97	10.45	1.58	9.1	1.82	4.81	0.65	3.7	0.54	46.3	389
				A6-20	95-100	Tsp: 50% light green; 50% medium green intrusive, abundant epidote	18.8	5.4	0.8	69.7	147.5	16.95	71	13.5	2.96	10.75	1.64	9.48	1.9	5.05	0.71	4	0.58	48.1	404
A7	242283	3780837	1476		0-5	Qal: white, gray and yellow brown																			0
					5-10	70% Qal: white, gray and yellow brown; 30% Tc: dark red brown ss, tr Tsp, green																			0
				A7-3	10-15	Tsp: light to medium green silicic with 5% red bed contamination	13.9	5.4	1.1	59.9	126.5	15.75	59.7	11.45	2.44	8.86	1.4	8.21	1.67	4.54	0.62	3.62	0.54	42.7	348
				A7-4	15-20	Tsp: light and medium green and blue green silicic, abundant epidote, hematite	15.7	4.8	0.7	65.8	140.5	15.85	66.8	12.65	2.68	10.5	1.58	9.17	1.88	5.01	0.68	3.97	0.6	46.3	384

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A7-5	20-25	Tsp: light and medium green and blue green silicic, abundant epidote, minor hematite	17	5.4	0.8	68.5	145	16.45	69.1	13.15	2.81	10.55	1.62	9.26	1.89	4.99	0.68	3.97	0.59	47.1	396
				A7-6	25-30	Tsp: light and medium green and blue green silicic, abundant epidote	17.1	5	0.7	67.9	145	16.55	69.7	13.2	2.8	10.45	1.58	9.03	1.82	4.82	0.67	3.73	0.57	46.1	394
				A7-7	30-35	Tsp: light and medium green and blue green silicic, abundant epidote	17.3	3.9	0.5	65.5	140	15.6	66.4	12.55	2.73	10.55	1.59	9.3	1.87	5.06	0.69	4.05	0.61	47.6	384
				A7-8	35-40	Tsp: light and medium green and blue green silicic, abundant epidote	17.1	4.8	0.7	66.6	146	17.05	71.7	13.75	2.8	11.5	1.7	9.81	2.01	5.4	0.73	4.13	0.61	49.9	404
				A7-9	40-45	Tsp: light and medium green and blue green silicic, abundant epidote	19.3	3.8	0.6	67.7	149	17.4	73.3	14.25	3.1	11.7	1.75	10.2	2.04	5.5	0.76	4.26	0.65	51.2	413
				A7-10	45-50	Tsp: light and medium green abundant epidote	18.9	4.2	0.5	75.9	162.5	18.7	78.2	15	3.28	12.7	1.92	11.15	2.28	6.13	0.84	4.9	0.74	57.5	452
				A7-11	50-55	Tsp: light and medium green abundant epidote, minor hm	20.4	4.8	0.6	84.3	182	20.7	86.4	16.45	3.45	14.15	2.14	12.55	2.54	6.91	0.93	5.46	0.85	63.5	502
				A7-12	55-60	Tsp: light and medium green abundant epidote 5% hm on fx	18	5.6	0.7	88.2	190	22	85.3	17.1	3.64	13.8	2.06	11.65	2.35	6.11	0.84	4.76	0.72	58.3	507
				A7-13	60-65	Tsp: light and medium green abundant epidote, 2% hm	17.7	4.3	0.7	77.8	169.5	19.95	84	15.45	3.72	12.45	1.8	10.25	2.04	5.29	0.7	3.92	0.6	49.4	457
				A7-14	65-70	Tsp: light and medium green abundant epidote, 2% hm	16.5	3.6	0.6	76.4	172.5	20.2	85.8	15.7	3.81	12.7	1.85	10.45	2.06	5.4	0.72	4.07	0.62	50.4	463

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A7-15	70-75	Tsp: light and medium green abundant epidote, 1% hm	18.5	4.2	0.6	92.3	205	23.1	89.7	17.95	3.86	13.25	2.02	10.45	2.17	5.79	0.76	4.21	0.61	55.4	527
				A7-16	75-80	Tsp: light and medium green abundant epidote, 1% hm	20	4.9	0.7	87.8	190	21.7	84.1	17.1	3.69	12.5	1.9	9.95	2.1	5.47	0.71	3.95	0.57	52.8	494
				A7-17	80-85	Tsp: light and medium green abundant epidote, 3% hm on fx	18.4	3.6	0.6	79.4	176.5	20	84.4	16.15	3.41	11.9	1.78	9.53	1.98	5.2	0.68	3.82	0.56	50.6	466
				A7-18	85-90	Tsp: light and medium green abundant epidote, minor hm	18.2	3.2	0.6	69.7	153	17.4	74.6	14.4	3.14	11.2	1.66	8.89	1.83	4.84	0.63	3.53	0.51	46.5	412
				A7-19	90-95	Tsp: light and medium green abundant epidote, minor hm	18	3.4	0.6	71.9	161.5	18.25	77.9	14.9	2.98	11.95	1.74	9.32	1.91	5.04	0.66	3.67	0.52	47.2	429
				A7-20	95-100	Tsp: light and medium green abundant epidote, 5% hm	24.7	3.1	0.7	63.8	138	15.6	68.6	13.25	2.71	10.4	1.54	8.27	1.73	4.62	0.6	3.34	0.49	46.3	379
A8	242266	3780860	1475		0-5	Qal: white, tan and brown, and gray																			0
					5-10	Qal: white, tan and brown, and gray																			0
				A8-3	10-15	5% Qal: white; 95% Tsp: light to medium green and blue green	13.1	5.7	1.2	57.7	123.5	14.8	55	10.55	2.21	8.26	1.31	7.25	1.55	4.28	0.57	3.34	0.5	39.2	330
				A8-4	15-20	Tsp: light and medium green and blue green silicic intrusive, tr hm	15.8	6.7	1.1	71.2	151	16.3	66.4	12.75	2.54	10.6	1.6	8.68	1.85	5.1	0.69	3.95	0.59	47.3	401
				A8-5	20-25	Tsp: light and medium green and blue green silicic intrusive, 2% hm	16.7	5	1	68.9	147	15.95	66	12.65	2.51	10.55	1.63	8.68	1.83	5	0.68	3.83	0.57	47.7	393

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A8-6	25-30	Tsp: light and medium green and blue green silicic intrusive, tr hm	16.6	4.7	0.8	71.3	152.5	16.3	67.5	13.05	2.56	10.8	1.67	8.9	1.88	5.22	0.69	3.96	0.58	49.3	406
				A8-7	30-35	Tsp: light and medium green and blue green silicic intrusive, tr hm	17.3	4.9	0.8	75.5	161.5	17.5	72.1	13.9	2.71	11.35	1.75	9.5	1.99	5.47	0.75	4.2	0.62	52.2	431
				A8-8	35-40	Tsp: light and medium green and blue green silicic intrusive, tr hm	15.7	4.5	0.7	70.5	150.5	15.8	65.7	12.75	2.49	10.55	1.61	8.73	1.85	5.15	0.69	3.92	0.59	48.4	399
				A8-9	40-45	Tsp: light and medium green and blue green silicic intrusive, tr hm	17	5.5	0.6	73.1	157	17.1	69.4	13.55	2.65	10.75	1.68	8.95	1.9	5.24	0.7	4.05	0.59	50.6	417
				A8-10	45-50	Tsp: light and medium green and blue green silicic intrusive, 5% FeOx-hm, lim	17.3	5.2	0.7	78.6	167.5	17.8	73.4	14.15	2.75	11.6	1.76	9.59	2.04	5.63	0.75	4.33	0.64	53.5	444
				A8-11	50-55	Tsp: light and medium green and blue green silicic intrusive, minor hm	16.8	4.4	0.7	73.2	158	17.25	70.1	13.75	2.67	11.25	1.73	9.23	1.97	5.43	0.74	4.2	0.61	51.8	422
				A8-12	55-60	Tsp: light and medium green and blue green silicic intrusive, minor hm	17.6	4.6	0.6	73.8	157	17.15	70.3	13.4	2.71	11.45	1.73	9.43	2.01	5.62	0.75	4.26	0.64	51.7	422
				A8-13	60-65	Tsp: light and medium green and blue green silicic intrusive, minor hm	17.5	4.3	0.6	69.1	148	15.85	66.1	12.8	2.6	10.85	1.65	9.02	1.91	5.29	0.71	4.03	0.6	50.3	399
				A8-14	65-70	Tsp: light and medium green and blue green silicic intrusive, 15% hm on fx	15.8	4.3	0.9	69.6	143.5	15.7	65.9	12.5	2.58	10.5	1.56	8.36	1.74	4.79	0.63	3.63	0.54	46.2	388

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A8-15	70-75	Tsp: light and medium green and blue green silicic intrusive, 5% hm	17.8	4.3	0.8	82.7	181	19.95	78.5	15.85	3.28	12.6	1.88	9.94	2.09	5.67	0.76	4.31	0.63	54.6	474
				A8-16	75-80	Tsp: light and medium green and blue green silicic intrusive,	18.6	4.5	0.6	80.1	175	18.95	77.1	15.65	3.1	13.05	1.98	10.55	2.24	6.13	0.84	4.87	0.72	58.7	469
				A8-17	80-85	Tsp: light and medium green and blue green silicic intrusive,	20	4.3	0.6	83.3	179.5	19.55	81.7	16.1	3.22	13.8	2.09	11.25	2.4	6.65	0.89	5.1	0.76	62	488
				A8-18	85-90	Tsp: light and medium green and blue green silicic intrusive,	19.7	7.6	0.7	85	185.5	20.3	83.8	16.5	3.24	14.2	2.13	11.4	2.45	6.79	0.9	5.28	0.76	63.7	502
				A8-19	90-95	Tsp: light and medium green and blue green silicic intrusive,	20.3	4.5	0.6	74.9	164	17.9	75.2	14.8	2.94	12.9	1.99	10.55	2.25	6.27	0.84	4.84	0.71	58.1	448
				A8-20	95-100	Tsp: light and medium green and blue green silicic intrusive, 5% hm on fx	15.4	4.1	0.6	66.3	147.5	16.2	68.6	13.3	2.88	11.3	1.66	8.75	1.87	5.02	0.66	3.7	0.54	47.5	396
A9	242247	3780882	1472		0-5	Qal: white, brown and gray																			0
				A9-2	5-10	10% Qal contamination; 90% Tsp: lt and medium gray and blue green, silicic, hm	11.6	6.7	1.3	53.1	109.5	13.25	49	9.37	1.97	7.5	1.18	6.25	1.34	3.75	0.51	3.01	0.45	35.2	295
				A9-3	10-15	Tsp: 90% light and medium green and blue green, 1% hm, epidote	15.6	5.2	0.9	68.4	144	15.45	64.3	12.2	2.56	10.75	1.59	8.65	1.83	5.06	0.68	3.9	0.57	46.4	386
				A9-4	15-20	Tsp: light and medium blue green, abundant epidote, tr hm	16.7	4.3	0.7	68.7	147	15.6	65.4	12.5	2.61	10.8	1.62	8.61	1.85	5.09	0.68	3.94	0.58	47.3	392
				A9-5	20-25	Tsp: light and medium blue green, abundant epidote, tr hm	16.1	3.8	0.5	64.1	138	14.65	62	12.1	2.51	10.7	1.62	8.72	1.85	5.1	0.68	3.89	0.58	46.6	373

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A9-6	25-30	Tsp: light and medium blue green, abundant epidote, 10% hm	15.2	3.6	0.6	57.8	122.5	13.65	55.1	10.65	2.24	9.06	1.38	7.37	1.57	4.35	0.58	3.33	0.49	40.6	331
				A9-7	30-35	Tsp: light and medium blue green, abundant epidote, 10% hm	11.5	3.6	0.6	36.2	75	9.08	34	6.51	1.5	5.42	0.82	4.31	0.9	2.37	0.32	1.81	0.26	23.4	202
				A9-8	35-40	Tsp: light and medium blue green, abundant epidote, 2% hm	17.3	4	0.6	59.2	125.5	14.1	57.2	11.15	2.28	9.05	1.38	7.45	1.57	4.39	0.58	3.35	0.49	41.4	339
				A9-9	40-45	Tsp: light and medium blue green, abundant epidote, 5% hm on fx	18.8	3.7	0.5	67.7	145.5	15.55	65.8	13.05	2.71	11.45	1.75	9.42	2.01	5.59	0.75	4.26	0.63	51.2	397
				A9-10	45-50	Tsp: light and medium blue green,	18.4	3.3	0.5	57.3	123	13.45	57.6	11.5	2.39	10.3	1.53	8.3	1.77	4.9	0.66	3.82	0.56	45.7	343
				A9-11	50-55	Tsp: light and medium blue green with 10% hm, abundant epidote	16.9	3.7	0.5	56.8	122.5	13.45	56.6	11.15	2.4	9.9	1.47	7.73	1.62	4.47	0.59	3.37	0.49	41	334
				A9-12	55-60	Tsp: very blue green to medium to dark, 1% hm abundant epidote	18.7	4.9	0.8	49.4	109	13.75	53.2	9.75	2.13	8.95	1.27	6.37	1.22	3.38	0.45	2.72	0.39	35.6	298
				A9-13	60-65	Tsp: light and medium blue green, abundant epidote, 10% hm	18.3	4.5	0.6	52.6	122.5	15.2	59.1	11.05	2.33	10.55	1.54	7.86	1.53	4.17	0.57	3.45	0.52	42.6	336
				A9-14	65-70	Tsp: light and medium blue green, abundant epidote	18	3.9	0.5	51.4	117	15	58.6	11.05	2.36	10.25	1.5	7.75	1.51	4.18	0.57	3.5	0.51	42.4	328
				A9-15	70-75	Tsp: light and medium olive green	17.3	3.8	0.6	63	128.5	14.45	56.3	11.75	2.44	9.85	1.33	7.48	1.48	4.09	0.56	3.42	0.49	44.3	349

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A9-16	75-80	Tsp: light and medium olive green, abundant epidote, 1-2% hm	18.6	3.9	0.5	68	136.5	15.35	60.5	12.5	2.64	10.4	1.43	8.01	1.6	4.44	0.62	3.76	0.55	48	374
				A9-17	80-85	Tsp: light and medium olive green, abundant epidote, 1-2% hm	21.8	4	0.4	75.1	158	16.8	69.5	13.8	3.49	14.4	2.12	10.85	2.36	6.65	0.84	4.99	0.75	57.6	437
				A9-18	85-90	Tsp: light and medium olive green, abundant epidote, 1-2% hm	21.3	3.2	0.4	65	140.5	14.75	62.1	12.05	2.96	12.7	1.86	9.63	2.06	5.87	0.75	4.44	0.66	51.3	387
				A9-19	90-95	Tsp: light and medium olive green, abundant epidote, 1-2% hm	19	3.4	0.4	68.9	143.5	15.3	63	12	2.91	12.25	1.79	9.12	1.99	5.62	0.72	4.19	0.63	48.8	391
				A9-20	95-100	Tsp: light and medium olive green, abundant epidote, 1-2% hm	18.1	4	0.6	68.1	147	15.45	63.8	12.05	2.88	12.1	1.8	9.23	2.01	5.82	0.74	4.48	0.67	50.4	397
A10	242231	3780908	1464		0-5	Qal:																			0
					5-10	Qal:																			0
				A10-3	10-15	Tsp:	9.6	14.2	2.6	46.7	93.9	10.65	39.3	6.98	2.15	6.42	0.92	4.5	0.98	2.76	0.35	2.23	0.35	25.6	244
				A10-4	15-20	Tsp:	10.9	10.5	2.4	47	97.8	10.85	40.7	7.25	2.13	6.91	1.02	5.02	1.06	3.02	0.39	2.38	0.36	27.2	253
				A10-5	20-25	Tsp:	17.3	6.3	1	68.3	141.5	14.65	60	11	2.61	10.7	1.57	7.98	1.7	4.71	0.59	3.53	0.51	42.3	372
				A10-6	25-30	Tsp:	16.1	4.5	0.9	65.3	139	14.75	61.8	11.3	2.9	10.95	1.57	7.56	1.58	4.4	0.54	3.12	0.45	38.7	364
				A10-7	30-35	Tsp:	12.4	4.7	1	55.3	120	12.85	53.3	9.6	2.3	8.57	1.23	6.14	1.28	3.47	0.43	2.47	0.36	32	309
				A10-8	35-40	Tsp:	17.3	5	1.1	58.4	125	13.3	55.9	10.4	2.62	10.3	1.5	7.57	1.63	4.52	0.57	3.37	0.49	40	336
				A10-9	40-45	Tsp:	17	3.7	0.9	59.6	125	13.65	57.1	10.4	2.64	10.3	1.49	7.53	1.61	4.53	0.57	3.37	0.49	39	337
				A10-10	45-50	Tsp:	19.3	4.6	0.8	72.1	148	15.8	65.9	12.25	2.99	12.15	1.74	8.89	1.9	5.21	0.65	3.86	0.55	45.8	398
				A10-11	50-55	Tsp:	18.5	3.7	0.6	59.2	123	13.25	55.1	10.25	2.42	10.1	1.5	7.7	1.65	4.68	0.59	3.44	0.49	40.7	334
				A10-12	55-60	Tsp:	21.9	3.4	0.6	59.9	127	13.5	57.1	10.85	2.66	11	1.62	8.37	1.79	5.09	0.65	3.76	0.54	43.8	348
				A10-13	60-65	Tsp:	20	4.1	0.8	61.9	136	14.5	61.1	11.65	2.82	11.45	1.7	8.55	1.84	5.14	0.64	3.7	0.54	45.6	367
				A10-14	65-70	Tsp:	16.8	5.3	1	68.5	146	15.6	64.3	11.7	2.82	11.15	1.59	7.79	1.64	4.57	0.57	3.3	0.48	40.7	381
				A10-15	70-75	Tsp:	19.2	5.1	0.8	67	141	15.15	64	11.75	2.88	11.25	1.62	8.07	1.71	4.78	0.6	3.48	0.5	41.6	375
				A10-16	75-80	Tsp:	20.2	6	0.6	82.5	182	19.5	80.2	15.15	3.64	14.85	2.12	10.35	2.22	6.13	0.76	4.4	0.65	52.7	477
				A10-17	80-85	Tsp:	18.4	4.4	0.5	82.3	184.5	20	83.7	15.8	3.86	14.75	2.09	10.25	2.14	5.81	0.71	4.09	0.6	50.5	481
				A10-18	85-90	Tsp:	18.2	4.4	0.5	80.9	184.5	19.8	83.1	15.55	3.93	14.8	2.1	10.25	2.15	5.81	0.7	4.09	0.59	51.4	480
				A10-19	90-95	Tsp:	19.1	3.9	0.5	72.5	173	18.5	78.1	15.4	3.76	14.8	2.12	10.4	2.2	6.08	0.75	4.3	0.63	52.3	455
				A10-20	95-100	Tsp:	22.4	5.8	0.7	89.6	214	23	97.6	18.7	4.2	18.4	2.6	12.85	2.67	7.34	0.88	5.19	0.75	60.9	559
A11	242213	3780933	1462		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0

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						70% Qal: ; 30%																			
				A11-4	15-20	Tsp:	11.8	7.6	1.5	50.5	104.5	12	44.7	7.98	2.05	7.3	1.09	5.46	1.17	3.29	0.43	2.62	0.38	28.6	272
				A11-5	20-25	Tsp:	14.5	5.6	1.5	53.1	109	12.55	47.2	8.44	2.06	7.74	1.15	5.9	1.25	3.57	0.45	2.72	0.39	30.7	286
				A11-6	25-30	Tsp:	16.5	5.1	1.5	59.5	124	13.15	53.3	9.65	2.33	9.28	1.33	6.85	1.47	4.17	0.53	3.13	0.44	36	325
				A11-7	30-35	Tsp:	18.9	4.8	1.2	65.8	137.5	14.65	60.2	11.1	2.68	10.95	1.56	7.92	1.7	4.81	0.62	3.65	0.52	41	365
				A11-8	35-40	Tsp:	20.7	3.8	0.8	60.2	128	13.75	58.2	10.9	2.72	11	1.62	8.15	1.74	4.84	0.62	3.62	0.52	41.5	347
				A11-9	40-45	Tsp:	20.8	4.9	0.8	81.1	176	19.1	81	14.95	3.38	14.25	2.02	10.1	2.1	5.87	0.72	4.21	0.61	51.2	467
				A11-10	45-50	Tsp:	19.5	4.7	0.7	85.3	185.5	20.5	85.2	15.85	3.49	14.8	2.12	10.5	2.24	6.15	0.76	4.44	0.63	52.6	490
				A11-11	50-55	Tsp:	20.3	4	0.7	77.2	149	19.8	73	14.4	2.49	10	1.66	9.27	1.91	4.74	0.68	3.58	0.56	41.9	410
				A11-12	55-60	Tsp:	17.4	3	0.6	56.2	116.5	15.7	58.2	11.7	2.13	8.76	1.5	8.48	1.73	4.39	0.63	3.26	0.52	35.2	325
				A11-13	60-65	Tsp:	20.6	4.5	0.6	71.2	135.5	17.55	64.4	12.85	2.18	9.62	1.62	9.28	1.91	4.84	0.7	3.72	0.58	37.9	374
				A11-14	65-70	Tsp:	19.9	3.9	0.6	70.3	135.5	17.5	64.2	12.75	2.08	9.21	1.59	9.27	1.92	4.86	0.7	3.88	0.62	37.8	372
				A11-15	70-75	Tsp:	21.6	3.8	0.6	61.9	119	15.65	56.9	11.5	1.95	8.24	1.45	8.38	1.76	4.49	0.65	3.49	0.55	37.8	334
				A11-16	75-80	Tsp:	21.5	5.9	0.5	80.7	157	20.2	73.3	14.65	2.42	10.7	1.87	10.7	2.21	5.75	0.86	4.57	0.74	45.5	431
				A11-17	80-85	Tsp:	19.9	3.5	0.4	81.7	154	20.1	74.2	14.95	2.54	10.95	1.9	11.05	2.29	5.83	0.85	4.62	0.74	45.7	431
				A11-18	85-90	Tsp:	20	3.5	0.4	77.5	152.5	19.65	72.4	14.25	2.46	9.91	1.68	9.7	2.01	5.04	0.72	3.85	0.63	40.1	412
				A11-19	90-95	Tsp:	17.4	3.3	0.5	59	116.5	15	55	10.55	2	6.99	1.18	6.72	1.33	3.28	0.47	2.49	0.39	29.8	311
				A11-20	95-100	Tsp:	14.9	3.4	0.6	74.7	153	19.65	72.6	13.65	2.63	9.08	1.5	8.38	1.68	4.11	0.57	3.02	0.5	35.5	401
A12	242195	3780958	1460		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
				A12-4	15-20	Tsp:	15.4	4.9	1.1	75.9	150	19.65	71.8	13.5	2.28	9.39	1.56	8.66	1.75	4.4	0.65	3.54	0.56	37	401
				A12-5	20-25	Tsp:	16.4	4.4	1	72.3	142.5	19	69.9	13.5	2.22	9.16	1.53	8.52	1.73	4.34	0.62	3.38	0.53	37.2	386
				A12-6	25-30	Tsp:	19.5	4.7	0.9	69.2	134.5	17.7	64.2	12.45	2.05	8.47	1.46	8.44	1.74	4.51	0.66	3.55	0.55	38.2	368
				A12-7	30-35	Tsp:	17.5	3.6	1	55	114.5	15.5	57.8	11.55	2	8.11	1.4	7.87	1.62	4.11	0.62	3.37	0.51	32.4	316
				A12-8	35-40	Tsp:	12.4	7.7	1.5	63.7	121.5	15.7	56.2	10.5	1.97	6.96	1.17	6.5	1.3	3.21	0.46	2.5	0.39	28.1	320
				A12-9	40-45	Tsp:	17.3	4.7	0.9	89.5	175.5	23	84.4	15.45	2.71	10.3	1.68	9.3	1.89	4.72	0.66	3.64	0.58	40.3	464
				A12-10	45-50	Tsp:	17.8	4	0.8	84.1	165	21.7	80	15.15	2.57	10.3	1.73	9.64	1.95	4.89	0.69	3.76	0.59	42.3	444
				A12-11	50-55	Tsp:	19.9	3.7	0.7	66.2	125	16.6	60.4	11.65	2.08	8.27	1.4	7.92	1.64	4.11	0.61	3.34	0.52	36.4	346
				A12-12	55-60	Tsp:	21.2	3.8	0.6	78.8	151.5	19.9	73.7	14.5	2.3	10.35	1.75	10.25	2.14	5.45	0.81	4.5	0.72	43.4	420
				A12-13	60-65	Tsp:	18.9	4	0.5	85.5	168	21.5	78.1	15.3	2.42	10.35	1.78	10.2	2.12	5.47	0.81	4.48	0.72	43.4	450
				A12-14	65-70	Tsp:	17.3	3.8	0.5	95.2	190.5	24.9	90.8	17	2.87	11.05	1.82	10.2	2.09	5.2	0.75	4.15	0.67	45.6	503
				A12-15	70-75	Tsp:	17	4.2	0.5	99.9	201	26.5	96.7	18.05	2.9	11.6	1.93	10.85	2.22	5.64	0.82	4.66	0.75	43.8	527
				A12-16	75-80	Tsp:	17	4.2	0.6	98.4	197.5	25.9	94.2	17.45	2.86	11.35	1.88	10.65	2.17	5.42	0.8	4.41	0.7	46.6	520
				A12-17	80-85	Tsp:	18.1	3.9	0.6	88.7	181	23.7	87.9	16.7	2.82	11.15	1.83	9.93	2.03	5.07	0.73	3.99	0.63	40.8	477
				A12-18	85-90	Tsp:	16.9	3.3	0.5	81.4	169	22	82.7	15.9	2.98	11	1.76	9.79	1.97	4.84	0.7	3.72	0.62	40.8	449
				A12-19	90-95	Tsp:	17.7	3.9	0.5	86.5	181.5	23.8	89.9	17.15	3.07	11.6	1.87	10.4	2.09	5.13	0.73	3.91	0.63	40.9	479
				A12-20	95-100	Tsp:	17.2	3.9	0.7	82.4	171.5	22.5	84.3	16.15	2.95	10.95	1.76	9.59	1.96	4.91	0.69	3.8	0.61	41	455
A13	242178	3780983	1454		0-5	Qal:																			0
						40% Qal: ; 60%																			
				A13-2	5-10	Tsp:	12.1	7.3	1.8	63.4	121.5	16.05	57.2	11	1.91	7.4	1.28	7.25	1.5	3.82	0.56	3.12	0.49	32.8	329
				A13-3	10-15	Tsp:	11.5	6.5	1.3	58.8	116.5	15.05	53.8	9.97	1.75	6.56	1.03	5.86	1.16	2.96	0.45	2.5	0.39	25.5	302
				A13-4	15-20	Tsp:	13.8	4.1	1	51.8	111.5	15	55.6	10.75	1.86	7.38	1.22	6.73	1.38	3.45	0.51	2.85	0.45	28.1	299
				A13-5	20-25	Tsp:	14.6	5.9	1.3	64.7	132.5	17.5	65.1	12.4	2.16	8.61	1.4	7.61	1.55	3.81	0.54	2.88	0.45	32.5	354
				A13-6	25-30	Tsp:	6.2	6.9	1.3	33	60.2	7.87	28.2	5.46	1.01	3.82	0.67	3.85	0.82	2.12	0.32	1.83	0.29	17.4	167
				A13-7	30-35	Tsp:	11.5	4.8	1.2	46	92.4	11.95	43	8.29	1.48	5.67	0.95	5.59	1.15	3	0.45	2.51	0.4	25.4	248
				A13-8	35-40	Tsp:	15.9	5.4	1	78.6	155	20.1	73	13.6	2.12	8.99	1.5	8.32	1.68	4.24	0.63	3.53	0.56	37.4	409
				A13-9	40-45	Tsp:	18.6	4.5	0.8	85	173.5	19.75	75.8	15.1	3.15	12.15	1.63	8.94	1.74	4.79	0.67	4.14	0.6	52.9	460

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A13-10	45-50	Tsp:	18.5	4.2	0.9	86.1	179.5	20.2	78.1	15.45	3.17	12.25	1.63	8.93	1.76	4.79	0.67	4.21	0.6	52.6	470
				A13-11	50-55	Tsp:	19.2	4.9	0.9	78	159	18.05	68.7	13.8	2.76	11.25	1.53	8.47	1.67	4.65	0.66	4.19	0.6	50.1	423
				A13-12	55-60	Tsp:	20.6	5	0.8	88.2	180	20.3	77.2	15.4	2.94	12.3	1.67	9.27	1.85	5.15	0.73	4.59	0.67	55.7	476
				A13-13	60-65	Tsp:	23	4.4	0.8	93.2	217	23.9	94.4	18.2	3.74	15.65	2.31	12.6	2.48	7.27	0.97	6.06	0.89	66.1	565
				A13-14	65-70	Tsp:	21	5.1	0.8	95.4	199.5	21.6	85.3	16.75	3.61	14.4	2.16	11.6	2.27	6.62	0.89	5.52	0.8	60.3	527
				A13-15	70-75	Tsp:	18.3	3.6	0.7	80.2	170	18.25	71.9	14.05	3.11	12.1	1.82	9.92	1.96	5.73	0.78	4.91	0.73	53.3	449
				A13-16	75-80	Tsp:	18	6.8	0.7	69.7	156	16.85	66.5	13.45	2.99	11.65	1.78	9.85	1.95	5.75	0.79	5.06	0.75	50.8	414
				A13-17	80-85	Tsp:	18.3	4.5	0.7	83.8	183	19.65	76.9	15.1	3.39	12.85	1.92	10.5	2.07	6.02	0.8	5.05	0.75	55.1	477
				A13-18	85-90	Tsp:	17.2	3.8	0.6	77.9	184.5	20.4	82.8	16.1	3.78	13.35	1.94	10.35	1.99	5.7	0.73	4.56	0.68	50.3	475
				A13-19	90-95	Tsp:	17.3	3.4	0.6	66.4	156.5	17.2	69.8	13.6	3	11.35	1.67	8.87	1.7	4.87	0.64	3.95	0.58	43.2	403
				A13-20	95-100	Tsp:	15.8	4.8	0.7	76.5	179	19.6	79.7	15.55	3.38	12.7	1.83	9.77	1.86	5.26	0.66	4.14	0.61	47.7	458
A14	242160	3781011	1453		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	90% Qal: ; 10% Tsp:																			0
				A14-4	15-20	Tsp:	10.6	11.1	1.9	55.9	120.5	14.2	50.5	9.47	2.08	9.07	1.28	6.59	1.28	3.82	0.48	2.98	0.44	33.5	312
				A14-5	20-25	Tsp:	13.5	9.4	1.9	78.5	180	22	79.6	15.05	2.64	13.6	1.98	10.15	1.99	5.92	0.75	4.43	0.63	50.3	468
				A14-6	25-30	Tsp:	13.1	8	1.5	72.4	168.5	20.8	76.6	14.6	2.41	13.45	1.95	10.2	1.98	5.83	0.73	4.34	0.61	50.3	445
				A14-7	30-35	Tsp:	14.5	8.9	1.4	85.9	192	24.3	89	16.95	2.77	15.4	2.25	11.75	2.26	6.58	0.82	4.82	0.68	56.9	512
				A14-8	35-40	Tsp:	11.2	7.3	1.4	53.4	116.5	14.85	54.4	10.2	2.24	9.53	1.4	7.2	1.4	4.13	0.52	3.11	0.45	36.3	316
				A14-9	40-45	Tsp:	7.6	7.8	1.4	30.3	69.9	8.7	32.8	6.35	1.51	5.97	0.93	4.99	0.99	2.99	0.4	2.44	0.35	25.5	194
				A14-10	45-50	Tsp:	12.1	6	1.3	46.2	101.5	12	46.3	8.77	2.08	8.22	1.21	6.35	1.26	3.75	0.49	2.99	0.45	32.8	274
				A14-11	50-55	Tsp:	15.6	4.6	0.8	68.4	151	18.8	70.2	13.2	3.09	12.75	1.81	9.18	1.76	5.13	0.63	3.72	0.55	44.6	405
				A14-12	55-60	Tsp:	16.8	4.4	0.7	59.2	126	15.5	57.9	11	2.63	10.65	1.53	8	1.58	4.59	0.57	3.3	0.5	40.8	344
				A14-13	60-65	Tsp:	18.2	4.4	0.7	72.5	159	19.55	73.6	14.2	3.49	13.7	1.96	9.88	1.95	5.57	0.71	4.01	0.6	48.1	429
				A14-14	65-70	Tsp:	19.1	4.1	1.1	72.8	144.5	17.85	66.9	12.85	3	12.65	1.8	9.32	1.84	5.42	0.68	4.04	0.6	48.8	403
				A14-15	70-75	Tsp:	19.2	4.2	0.9	71.1	150.5	17.9	66.9	13.25	3.05	13	1.93	10.15	2.02	6.04	0.78	4.62	0.7	53.1	415
				A14-16	75-80	Tsp:	20	3.4	0.4	75.5	160	19.4	71.3	14.05	3.19	14.05	2.05	10.95	2.18	6.52	0.84	5.06	0.77	56	442
				A14-17	80-85	Tsp:	19.7	3.5	0.5	65.3	137.5	16.85	62.3	12.15	2.83	11.85	1.79	9.59	1.92	5.6	0.73	4.38	0.66	49.5	383
				A14-18	85-90	Tsp:	18.7	2.6	0.4	60.6	127	15.65	58.1	11.3	2.56	11.05	1.66	8.75	1.77	5.3	0.69	4.12	0.62	46.4	356
				A14-19	90-95	Tsp:	17.8	3.4	0.5	68.6	147.5	17.95	66.6	13.05	3	12.65	1.91	10.2	2.04	6.09	0.78	4.7	0.71	52.3	408
				A14-20	95-100	Tsp:	12.9	3.7	0.5	49	102	11.8	44.7	8.53	2.04	8.39	1.22	6.49	1.29	3.77	0.49	2.89	0.43	33.8	277
A15	242144	3781039	1450		0-5	Qal: whirte tan and light gray																			0
				A15-2	5-10	Tsp: light green and white silicic, 1% hm	9	7.8	1.5	52.3	109.5	13.1	48.3	8.73	2.86	7.89	1.09	5.37	1.05	3.03	0.38	2.26	0.34	28.3	285
				A15-3	10-15	Tsp: 50% white; 50% light green, 20% red with hm on fx	7.4	6.2	1.8	33.9	70	8.4	31.7	5.89	1.84	5.41	0.77	3.88	0.75	2.2	0.28	1.66	0.25	20.6	188
				A15-4	15-20	Tsp: 80% white, gray; 20% light green, 30% hm	3.7	9	1.7	23.8	45	5.42	19.8	3.54	1.03	3.13	0.45	2.27	0.45	1.33	0.17	1.08	0.16	13.1	121
				A15-5	20-25	Tsp: 70% white gray, 30% light green; 10% hm	6.6	6.3	1.7	27.5	58	7.11	27.6	5.22	1.42	4.7	0.67	3.5	0.69	2.07	0.26	1.59	0.24	20.7	161

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A15-6	25-30	Tsp: 80% white and gray, 20% light green; 30% hm	8.2	6.8	1.5	35.4	83.1	10.1	39.1	7.63	1.62	6.95	1	5.3	1.04	3.04	0.38	2.28	0.33	28	225
				A15-7	30-35	Tsp: 30% white , 50% light brown, 20% light green; 15% lm	11.6	6.9	1.2	67.2	155	19.2	71.8	13.8	2.39	12.05	1.75	8.89	1.74	4.96	0.61	3.51	0.49	44.6	408
				A15-8	35-40	Tsp: 70% medium yellow brown, 20% light green, 15% lm	12.2	6.9	2.1	66.2	156	19.35	71.3	13.9	2.35	12.65	1.88	9.56	1.87	5.32	0.64	3.71	0.52	48.6	414
				A15-9	40-45	Tsp: 80% medium green, 20% medium yellow brown and green gray, epidote	15.4	6	1.4	73.4	158.5	19.75	73.2	13.95	2.93	12.9	1.88	9.43	1.82	5.24	0.64	3.74	0.53	47.8	426
				A15-10	45-50	Tsp: light green and light green gray, 10% dissem hm, epidote	8.3	8.3	1.5	35.5	82.1	10	37.9	7.26	1.66	6.56	0.98	5.16	1.03	3	0.38	2.27	0.33	27	221
				A15-11	50-55	Tsp: light and medium green, 10% white, 10% hm on fx, epidote	13.9	4.7	1.1	53.5	116	14.55	54.5	10.5	2.33	9.76	1.4	7.14	1.41	4.11	0.5	3.02	0.43	38.1	317
				A15-12	55-60	Tsp: light and medium green, 1% hm, epidote	15.5	4.2	0.7	67.2	143.5	17.75	65.9	12.8	2.75	11.7	1.71	8.76	1.71	5.03	0.63	3.66	0.55	45.9	390
				A15-13	60-65	Tsp: light and medium green, tr hm; epidote	15.3	3.7	0.6	67.6	144	17.85	66.6	12.65	2.88	12.3	1.75	9.02	1.79	5.16	0.64	3.76	0.54	46.3	393
				A15-14	65-70	Tsp: medium green, 5% hm	15.9	4.2	0.7	68.6	149	18.6	69.7	13.45	3.21	12.65	1.81	9.21	1.79	5.25	0.65	3.79	0.55	46.3	405
				A15-15	70-75	Tsp: light and medium green; tr hm	17.2	4.6	0.8	83.4	179.5	22.4	83.7	15.9	3.66	14.85	2.05	10.15	1.94	5.62	0.66	3.88	0.56	50.3	479
				A15-16	75-80	Tsp: light and medium green; abundant epidote	17.1	3.8	0.6	56.1	118.5	14.6	55	10.45	2.62	10	1.43	7.19	1.4	4.14	0.52	3.02	0.45	37.9	323
				A15-17	80-85	Tsp: light and medium green; abundant epidote	18.5	4.1	0.6	56.6	120	14.75	56	11	2.48	10.35	1.5	7.9	1.55	4.52	0.56	3.33	0.49	41.6	333

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A15-18	85-90	Tsp: light and medium green; abundant epidote	18.1	3.7	0.6	58.4	121	14.9	56.5	11.15	2.61	10.8	1.57	8.15	1.6	4.76	0.59	3.48	0.51	43.7	340
				A15-19	90-95	Tsp: light and medium green; abundant epidote	17.9	3.8	0.7	49.7	112.5	12.45	45.9	9.15	2.22	9.09	1.33	6.95	1.36	4.01	0.49	2.93	0.42	39	298
				A15-20	95-100	Tsp: light and medium green; abundant epidote	20.6	3.8	0.7	49.4	111	12.35	46.4	9.22	2.22	9.03	1.3	6.66	1.32	3.83	0.47	2.86	0.41	38.6	295
A16	242127	3781064	1450		0-5	80% Qal: light brown, medium brown and white; 20% Tsp: medium green																			0
					5-10	Tsp: 50% light to medium green; 50% white tan and medium brown; 10% hm																			0
				A16-3	10-15	Tsp: medium green, silici, some light green; 10% hm, epidote	19.3	3.6	0.7	49.6	104	11.7	45.7	9.2	2.56	8.56	1.28	6.96	1.37	3.98	0.52	3.22	0.49	36.6	286
				A16-4	15-20	Tsp: light blue green; 5% hm, epidote	16.7	6.1	1.5	64.9	138.5	15.45	59.5	11.45	2.99	10.05	1.49	7.99	1.57	4.51	0.59	3.75	0.57	41.7	365
				A16-5	20-25	Tsp: light blue green; 5% hm, epidote	16.5	5.2	1.2	64.6	139	15.6	60.9	11.7	3.13	10.05	1.45	7.63	1.47	4.17	0.53	3.33	0.5	38.3	362
				A16-6	25-30	Tsp: light to medium blue green; 5% hm, epidote	19.9	4.1	0.7	65.9	142.5	16.25	63.5	12.7	3.34	11.45	1.69	9.15	1.76	5.09	0.66	4.07	0.61	45.4	384
				A16-7	30-35	Tsp: 90% light blue green; 10% white gray, 10% hm, epidote	21	4.5	0.8	76.4	162	18.1	69.9	13.8	3.38	12.2	1.79	9.65	1.9	5.41	0.7	4.33	0.65	49.9	430
				A16-8	35-38	Tsp: 70% blue green; 30% dark red brown and yellow brown, FeOx, hm, lm	20.9	4.2	0.9	72.2	152	16.9	66	12.8	3.21	11.5	1.68	8.98	1.73	4.99	0.65	3.99	0.6	45.1	4020
					void																				

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A17	242107	3781087	1446		0-5	Qal: white, tan and light green																			0
				A17-2	5-10	Tsp: 90% dark gray green, silicic, larger cuttings	18.4	3.5	0.8	45.8	88.4	11.05	45.4	8.35	2.76	8.27	1.21	6.87	1.27	3.56	0.46	2.82	0.41	30.9	258
				A17-3	10-15	Tsp: 70% dark gray green; 30% dark red brown and yellow brown, lm and hm	18.1	2.5	0.8	30.3	59.6	7.73	33	6.36	2.26	6.68	1	5.86	1.11	3.14	0.42	2.58	0.37	26.2	187
				A17-4	15-20	Tsp: 80% dark gray green silicic; 10% lm and hm	16.8	5.5	1	38.8	73.5	8.41	34.2	6.25	2.18	6.42	0.97	5.57	1.05	3.02	0.41	2.49	0.36	26.3	210
				A17-5	20-25	Tsp: 90% Light and medium and dark gray green, 5% lm and hm	19.3	3.1	0.8	29.4	59.8	7.62	32.6	6.27	2.02	6.55	0.98	5.66	1.08	3.05	0.41	2.51	0.36	25.1	183
				A17-6	25-30	Tsp: white and light to medium green gray, minor hm	9.8	5.8	1.2	42	78.6	9.36	37.2	6.39	2.23	6.11	0.89	4.92	0.92	2.58	0.35	2.11	0.31	22.8	217
				A17-7	30-35	Tsp: white and light to medium green gray, 2% hm	9.7	5.2	1	40	73.8	9.02	37	6.53	3.16	6.37	0.9	4.92	0.9	2.48	0.33	2.07	0.33	22	210
				A17-8	35-40	Tsp: white and light to medium green gray, 5% hm	5.5	4.6	1.6	25.1	39.9	5.3	20.9	3.59	1.52	3.42	0.47	2.52	0.44	1.22	0.16	1	0.15	11.6	117
				A17-9	40-45	Tsp: white and light to medium green gray, 5% hm	4.8	6.1	1.6	28.1	44.6	5.62	21.9	3.65	1.42	3.5	0.47	2.52	0.44	1.19	0.15	0.96	0.15	11.9	127
				A17-10	45-50	Tsp: white and light to medium green gray, 2-5% hm	6	5.9	1.1	25.7	41.6	4.98	19.1	3.17	1.19	2.99	0.42	2.29	0.42	1.17	0.16	1.01	0.15	11.5	116
				A17-11	50-55	Tsp: white and light to medium green gray, 2-5% hm	10.6	7.1	1.6	38.8	68.9	7.96	30.9	4.92	1.64	4.16	0.55	2.86	0.51	1.34	0.18	1.12	0.16	13	177

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				A17-12	55-60	Tsp: white and light to medium green gray, 2-5% hm	7.7	6.1	1.7	28.6	46.5	5.33	19.8	3.19	1.22	2.75	0.4	2.11	0.4	1.1	0.14	0.91	0.14	10.7	123
				A17-13	60-65	Tsp: 90% white and light gray silicic, 10% dark green gray, tr hm	7.6	6	1.5	18.2	30.2	3.62	13.4	2.24	0.93	2.22	0.33	1.92	0.36	1.08	0.15	0.96	0.15	9.1	85
				A17-14	65-70	Tsp: 60% white and light gray; 30% dark green gray, minor hm	13.5	4.7	1.5	23.3	38.8	4.73	18.1	3.18	1.15	3.16	0.47	2.7	0.51	1.47	0.2	1.25	0.18	12.7	112
A18	242088	3781111	1443		0-5	Qal: with Tsp float, white tan brown green																			0
					5-10	10% Qal: 90% Tsp: 30% white; 30% dark green; 30% red brown, 20% hm																			0
				A18-3	10-15	Tsp: 30% white; 30% dark green; 30% red brown, 20% hm	9.2	5	1.1	32.3	63.5	7.71	31.6	5.73	2.06	5.76	0.84	4.77	0.87	2.46	0.33	2.05	0.31	21	181
				A18-4	15-20	Tsp: 40% white, 40% dark green, 20% red brown, 30% bright orange red hm	7.9	6.1	1.3	34.9	80.5	9.36	37.8	7.04	1.88	5.48	0.83	4.62	0.89	2.43	0.32	2.11	0.31	22.2	211
				A18-5	20-25	Tsp: 40% white, 40% dark green, 20% red brown, 30% bright orange red hm	10.2	7.1	1.6	49.5	109	12.7	52.5	9.36	2.6	7.59	1.09	5.99	1.14	3.12	0.42	2.68	0.41	29.6	288
				A18-6	25-30	Tsp: 50% white, 50% light green, 10% hm coatings	6.8	9.7	1.8	31.1	65.1	7.31	28.4	4.93	1.09	3.11	0.48	2.77	0.54	1.5	0.22	1.42	0.22	16.8	165
				A18-7	30-35	Tsp: 50% white, 50% light green, 10% hm coatings	5.9	8.1	1.5	26.3	53.3	5.82	22.1	3.76	0.81	2.33	0.35	2.06	0.39	1.08	0.16	1.04	0.16	12.9	133
				A18-8	35-40	Tsp: 40% light green, 40 % red brown, 20% white, 5% hm	4.2	9	1.5	23.2	46.4	4.83	17.9	3.04	0.77	2.27	0.32	1.85	0.36	0.97	0.14	0.94	0.15	10.7	114

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A18-9	40-45	Tsp: 40% light green, 40 % red brown, 20% white, 5% hm	3.6	7.6	1.4	21.7	43.9	4.5	16.2	2.64	0.67	1.93	0.28	1.54	0.3	0.82	0.12	0.79	0.12	9.1	105
				A18-10	45-50	Tsp: 40% light green, 40 % red brown, 20% white, 5% hm	6.7	6.2	1.2	20.8	41.7	4.63	17.6	3.11	0.89	2.51	0.37	2.14	0.41	1.16	0.17	1.06	0.17	12.4	109
				A18-11	50-55	Tsp: fine cuttings (lost air) AA, white light to dark green	5.9	8.7	1.5	23.2	46.6	4.89	18.4	3.13	0.84	2.54	0.37	2.13	0.42	1.17	0.17	1.13	0.17	12.6	118
A19	242070	3781136	1441		0-5	Qal:																			0
					5-10	Qal:																			0
				A19-3	10-15	20% Qal: 80% Tsp:	8.4	8.3	1	28.6	56	6.06	22.7	3.92	1.01	3.06	0.46	2.63	0.52	1.44	0.2	1.39	0.22	15.8	144
				A19-4	15-20	Tsp:	9	7.6	0.9	29.4	58.1	6.24	23.5	4.01	1.11	3.27	0.48	2.8	0.54	1.5	0.21	1.42	0.22	16.2	149
				A19-5	20-25	Tsp:	7.7	15.3	1.9	35	69.2	7.46	28.5	4.99	1.34	4.1	0.59	3.39	0.66	1.82	0.25	1.67	0.27	19.1	178
				A19-6	25-30	Tsp:	9.8	10	1.6	41	83.3	9.58	38	6.94	1.82	5.77	0.84	4.75	0.91	2.48	0.34	2.14	0.32	25.9	224
				A19-7	30-35	Tsp:	7.2	9.6	1.6	34.5	70	7.7	29.5	5.34	1.37	4.3	0.64	3.67	0.71	1.98	0.28	1.78	0.27	20.9	183
				A19-8	35-40	Tsp:	5.1	9.2	1.1	22.7	43.3	4.85	18.5	3.22	0.82	2.42	0.36	2.08	0.42	1.16	0.16	1.06	0.17	12.9	114
				A19-9	40-45	Tsp:	4.1	8.4	1	23.9	46.8	5	18.6	3.13	0.81	2.42	0.36	1.95	0.37	1.03	0.14	0.96	0.15	11.8	117
				A19-10	45-50	Tsp:	4.3	8.1	1	25.1	47	5.11	19.2	3.3	0.77	2.36	0.35	1.99	0.39	1.04	0.15	1.01	0.16	12.4	120
				A19-11	50-55	Tsp:	6.7	9.7	1.8	28.2	58.6	6.37	24.9	4.34	1.17	3.44	0.51	2.95	0.58	1.62	0.24	1.63	0.26	17.6	152
				A19-12	55-60	Tsp:	6.2	11.2	2.1	29.7	59.5	6.38	24.1	4.03	1.07	3.13	0.46	2.63	0.52	1.46	0.21	1.4	0.23	16.4	151
				A19-13	60-65	Tsp:	5.4	10.7	1.9	26.5	53.3	5.65	21.2	3.58	1.01	2.84	0.43	2.42	0.47	1.34	0.19	1.28	0.21	14.5	135
				A19-14	65-70	Tsp:	6.7	10.7	1.8	30.8	63.8	6.8	25.7	4.38	1.18	3.52	0.52	3.04	0.6	1.65	0.24	1.6	0.25	18.9	163
				A19-15	70-75	Tsp: fine cuttings (lost air)	6.7	8.9	1.6	30.1	65.8	7.27	28.4	5.12	1.34	4.13	0.62	3.58	0.71	1.94	0.27	1.76	0.28	21.3	173
A20	242051	3781159	1439		0-5	Qal:																			0
				A20-2	5-10	Tsp:	16.7	5.8	1.4	56.5	125	14.8	61	11.1	3.27	9.54	1.33	7.36	1.4	3.82	0.51	3.25	0.48	39.3	339
				A20-3	10-15	Tsp:	9.3	7.1	1.2	37.3	80.6	9.25	36.9	6.58	1.79	5.14	0.74	4.06	0.76	2.04	0.28	1.8	0.28	22	210
				A20-4	15-20	Tsp:	5.8	8.8	1.2	25.7	53.4	5.92	22.9	4.01	0.98	3.03	0.43	2.35	0.46	1.25	0.18	1.17	0.18	14.5	136
				A20-5	20-25	Tsp:	4.1	8.1	1.2	20.6	39.2	4.31	16.2	2.67	0.68	1.94	0.28	1.56	0.3	0.82	0.11	0.81	0.13	9.7	99
				A20-6	25-30	Tsp:	3.8	9.5	1.2	20	37.9	4.1	15.2	2.49	0.63	1.83	0.26	1.49	0.28	0.76	0.11	0.76	0.13	8.9	95
				A20-7	30-35	Tsp:	4.4	6.3	1.1	20.7	40.8	4.45	16.8	2.83	0.74	2.12	0.29	1.59	0.3	0.78	0.11	0.72	0.12	9.2	102
				A20-8	35-40	Tsp:	3.5	7.7	1.1	18.5	35.2	3.76	14	2.33	0.6	1.76	0.25	1.44	0.28	0.81	0.12	0.79	0.12	9.1	89
				A20-9	40-45	Tsp:	3.4	6.5	1.3	22.6	40.7	4.47	14.4	2.46	0.81	1.92	0.27	1.51	0.28	0.8	0.12	0.77	0.12	9.1	100
				A20-10	45-50	Tsp: fine cuttings	9	5.9	1.3	19.4	36.3	4.05	13.5	2.51	0.85	2.32	0.35	2.01	0.4	1.21	0.17	1.16	0.17	13.1	98
A21	242034	3781185	1437		0-5	Qal:																			0
					5-10	Qal:																			0
				A21-3	10-15	10% Qal: ;90% Tsp:	8.5	4.8	1.2	33	66.8	7.83	28.1	5.34	1.35	4.56	0.61	3.21	0.59	1.62	0.21	1.31	0.19	17.9	173
				A21-4	15-20	Tsp:	8.2	4.5	1.1	36.4	72.6	8.65	31.1	5.77	1.6	4.81	0.64	3.34	0.62	1.64	0.22	1.37	0.2	18.9	188
				A21-5	20-25	Tsp:	10.8	4	1.2	45.2	93.2	11	40.1	7.49	2.11	6.53	0.9	4.72	0.89	2.43	0.33	2.06	0.3	25.2	242
				A21-6	25-30	Tsp:	7.3	5.9	1.4	32.1	68.8	7.99	28.7	5.41	1.59	4.67	0.64	3.34	0.62	1.66	0.22	1.44	0.21	19.1	176
				A21-7	30-35	Tsp:	3.9	8.4	1.7	19.4	36.4	3.92	13.2	2.32	0.88	1.96	0.27	1.44	0.27	0.78	0.11	0.78	0.12	9	91

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				A21-8	35-40	Tsp:	3.3	8.5	1.7	20.1	35.5	3.73	11.9	1.91	0.77	1.61	0.21	1.18	0.22	0.65	0.09	0.64	0.1	7.1	86
				A21-9	40-45	Tsp:	3.3	6.8	1.5	19.5	35.3	3.7	11.8	2.04	0.78	1.54	0.22	1.19	0.22	0.63	0.09	0.6	0.1	7	85
				A21-10	45-50	Tsp:	3.3	4.7	1.2	21.2	36.4	4.11	13.4	2.28	0.87	1.92	0.25	1.26	0.24	0.68	0.09	0.6	0.1	8.3	92
				A21-11	50-55	Tsp:	3.2	6	1.6	18	32.4	3.54	11.3	1.84	0.77	1.58	0.21	1.14	0.22	0.63	0.09	0.63	0.1	6.9	79
				A21-12	55-60	Tsp:	4.4	5.9	1.8	19.9	36.1	3.84	12.4	2.1	0.79	1.67	0.24	1.29	0.24	0.7	0.1	0.71	0.1	8	88
				A21-13	60-65	Tsp:	4.1	5.8	1.7	17.1	31.6	3.35	10.9	1.9	0.75	1.59	0.22	1.2	0.23	0.69	0.1	0.66	0.1	7.2	78
				A21-14	65-70	Tsp:	3.3	8.4	1.7	21.8	38.2	3.94	12.7	2.1	0.8	1.7	0.24	1.29	0.25	0.72	0.1	0.72	0.11	7.8	92
				A21-15	70-75	Tsp:	11.9	6.6	1.6	23.1	44.5	5.04	17.7	3.32	1.12	3.23	0.47	2.63	0.51	1.51	0.22	1.41	0.21	15.7	121
				A21-16	75-80	Tsp: fine cuttings	10.9	5	1.8	20.9	40.4	4.59	15.6	3	1.01	2.76	0.4	2.26	0.44	1.32	0.18	1.23	0.18	13.1	107
A22	242015	3781210	1437		0-5																				0
					5-10																				0
				A22-3	10-15	?	4.6	7.1	1.7	21	44.8	5.3	19.1	3.64	0.97	3.35	0.49	2.74	0.54	1.62	0.23	1.57	0.23	15	121
				A22-4	15-20	?	5.7	8.6	1.8	27.4	55.8	6.51	23	4.29	1.09	3.73	0.53	2.87	0.55	1.61	0.23	1.58	0.24	16.7	146
				A22-5	20-25	Tsp:	4.7	7.7	1.3	30	58.8	6.57	22.3	3.92	1.14	3.29	0.45	2.4	0.45	1.26	0.17	1.16	0.17	14.6	147
				A22-6	25-30	Tsp:	4.8	6.1	1.3	22.5	41.9	4.72	16.4	2.94	0.94	2.65	0.37	1.98	0.38	1.09	0.15	0.95	0.14	11.9	109
				A22-7	30-35	Tsp:	13.2	4.7	1	65.3	138	16	58.7	10.7	2.76	9.14	1.23	6.47	1.21	3.36	0.44	2.8	0.4	35.4	352
				A22-8	35-40	Tsp:	11.9	5.3	1.1	65.7	133	14.9	54	9.61	2.69	7.72	1.08	5.66	1.06	2.93	0.39	2.47	0.36	32.4	334
				A22-9	40-45	Tsp:	4.2	7.1	1.6	22.8	44.4	4.78	15.9	2.82	0.97	2.49	0.34	1.83	0.37	1.06	0.15	1.03	0.15	11.1	110
				A22-10	45-50	Tsp:	3.2	8.1	1.5	21.2	39	4.13	13.1	2.23	0.86	1.87	0.26	1.39	0.27	0.79	0.11	0.8	0.12	8.6	95
				A22-11	50-55	Tsp:	3	6.8	1.1	22.1	39	4.07	12.7	2.01	0.77	1.71	0.24	1.21	0.23	0.65	0.1	0.67	0.1	7.4	93
				A22-12	55-60	Tsp:	2.9	7.5	1.2	21.4	36	3.77	11.9	1.87	0.7	1.52	0.21	1.09	0.21	0.6	0.09	0.59	0.09	6.9	87
				A22-13	60-65	Tsp:	2.9	5.9	1.2	18.6	32.5	3.45	10.7	1.72	0.72	1.43	0.19	1.02	0.18	0.53	0.08	0.53	0.08	6.1	78
				A22-14	65-70	Tsp:	3	5.8	1.6	16.5	29.9	3.18	10.6	1.78	0.73	1.45	0.19	1.08	0.21	0.61	0.09	0.58	0.09	6.8	74
				A22-15	70-75	Tsp:	3	5.8	1.3	18.1	32.7	3.43	11.2	1.9	0.75	1.52	0.21	1.11	0.21	0.61	0.09	0.6	0.09	6.7	79
				A22-16	75-80	Tsp:	3.3	5.1	1.4	18.5	33.6	3.73	12.2	2.1	0.76	1.79	0.24	1.22	0.22	0.64	0.09	0.58	0.08	6.9	83
				A22-17	80-85	Tsp:	3.1	6.1	1.5	20	35.4	3.71	12	2.01	0.76	1.79	0.23	1.27	0.25	0.72	0.1	0.69	0.1	7.4	86
				A22-18	85-90	Tsp:	3.2	6.6	1.4	21.7	37.3	4.46	14.9	2.54	0.84	2.19	0.29	1.51	0.28	0.79	0.11	0.72	0.1	9.1	97
				A22-19	90-95	Tsp: fine cuttings (lost air)	2.9	9.1	1.9	26.4	45	5.31	18	3.21	0.93	2.8	0.35	1.79	0.32	0.89	0.11	0.73	0.1	10.6	117
				A22-20	95-100	?																			0
A23	241995	3781235	1438	A23-1	0-5	Tsp:	12.8	3.2	1	63.5	131	15.85	59	11.15	2.84	9.75	1.31	6.83	1.25	3.32	0.42	2.57	0.37	36.9	346
				A23-2	5-10	Tsp:	12.4	4.2	0.8	53	119	13.9	54.8	10.9	2.88	8.3	1.22	6.9	1.28	3.45	0.45	2.73	0.39	30.9	310
				A23-3	10-15	Tsp:	11.8	3.3	0.7	47.4	109.5	12.9	51.2	9.97	2.8	8.07	1.15	6.63	1.26	3.31	0.43	2.51	0.36	29.8	287
				A23-4	15-20	Tsp:	12.7	3.7	0.7	63.5	139.5	15.35	61.9	11.2	2.86	8.32	1.22	7.09	1.34	3.62	0.47	2.95	0.43	34.5	354
				A23-5	20-25	Tsp:	13.4	4.8	1	66.5	148	16.95	67	12.25	3.02	8.86	1.33	7.68	1.43	3.83	0.5	3.1	0.45	37.1	378
				A23-6	25-30	Tsp:	13	4.4	1.1	64.8	139	15.7	63.5	11.55	3.15	8.48	1.27	7.29	1.39	3.75	0.51	3.09	0.46	35.9	360
				A23-7	30-35	Tsp:	10.5	5.4	1.2	45.4	97	10.95	44.5	8.44	2.24	6.13	0.92	5.33	1	2.71	0.37	2.3	0.34	26.9	255
				A23-8	35-40	Tsp:	5.4	6.6	1.5	26	51.9	5.75	22.2	4	1.1	2.97	0.44	2.67	0.51	1.41	0.2	1.25	0.19	14	135
				A23-9	40-45	Tsp:	11.3	5.9	1.7	58.9	127.5	14.3	57.7	10.5	2.49	7.72	1.14	6.56	1.22	3.37	0.45	2.83	0.42	32.8	328
				A23-10	45-50	Tsp:	8.4	6.5	1.4	39.3	77.3	8.8	34.4	6.24	1.61	4.62	0.69	3.92	0.74	1.97	0.27	1.68	0.24	20.6	202
				A23-11	50-55	Tsp:	3.5	7.6	2.3	21	40	4.12	14.6	2.48	0.73	1.79	0.28	1.65	0.32	0.92	0.13	0.92	0.14	9.6	99
				A23-12	55-60	Tsp:	3.4	8.4	2.6	23.9	42.8	4.31	15	2.38	0.65	1.65	0.26	1.52	0.29	0.84	0.12	0.85	0.13	8.9	104
				A23-13	60-65	Tsp:	3.3	9.2	2.7	20.1	37.6	3.94	13.9	2.35	0.66	1.61	0.25	1.48	0.28	0.8	0.11	0.76	0.12	8.3	92
				A23-14	65-70	Tsp:	2.6	9.4	1.8	19.7	36.7	3.72	12.9	2.07	0.6	1.43	0.23	1.34	0.25	0.72	0.1	0.69	0.11	7.5	88
				A23-15	70-75	Tsp:	3	8.8	1.9	25.7	44.9	4.66	16.4	2.67	0.74	1.88	0.27	1.57	0.3	0.84	0.12	0.77	0.12	8.7	110
				A23-16	75-80	Tsp:	5.2	7.8	1.8	26.3	48.7	5.18	19	3.21	0.84	2.17	0.34	1.99	0.38	1.09	0.15	1.03	0.15	11.3	122

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				A23-17	80-85	Tsp: fine cuttings (lost air)	3.5	7.3	1.5	24.9	46	4.7	16.6	2.72	0.74	1.85	0.28	1.64	0.31	0.86	0.13	0.83	0.13	8.9	111
A24	241977	3781257	1444	A24-1	0-5	Tsp:	9	8.3	2.1	45.8	92.6	10.2	38.7	7.39	1.76	6.25	0.9	4.79	0.93	2.72	0.36	2.28	0.35	26.4	241
				A24-2	5-10	Tsp:	20.3	4.8	1.4	52.1	110	12.8	50.9	10.4	2.58	9.57	1.39	7.6	1.49	4.33	0.56	3.45	0.52	40.6	308
				A24-3	10-15	Tsp:	17.8	2.4	1.1	34.2	74.4	9	36.4	7.52	2.05	7.07	1.04	5.55	1.09	3.14	0.41	2.43	0.36	28.9	214
				A24-4	15-20	Tsp:	14	4.7	1.1	51.8	112.5	13.2	52.6	10.3	2.43	8.76	1.24	6.39	1.21	3.28	0.4	2.41	0.36	31.5	298
				A24-5	20-25	Tsp:	17.4	4.7	0.8	79.9	175.5	18.65	75.1	15	3.31	13.05	1.91	10.25	1.99	5.64	0.72	4.5	0.67	51.7	458
				A24-6	25-30	Tsp:	17.5	5.2	1	82.8	172	18.9	72.5	14.2	3.3	12.65	1.86	10.05	1.92	5.48	0.71	4.36	0.66	50.3	452
				A24-7	30-35	Tsp:	16.5	5	1.1	73.2	154	17	65.6	12.8	3.06	11.25	1.67	9.01	1.76	4.99	0.65	4.04	0.6	44.9	405
				A24-8	35-40	Tsp:	13.8	5	1.1	64.2	139	15.5	60.2	11.4	2.88	9.46	1.36	7.26	1.39	3.89	0.5	3.12	0.48	35.8	356
				A24-9	40-45	Tsp:	16.1	4.3	1.2	56.4	127	14.3	55.8	10.9	2.89	9.39	1.38	7.43	1.45	4.14	0.54	3.28	0.5	35.9	331
				A24-10	45-50	Tsp:	13.3	3.9	1	53.1	122	13.55	52.9	10.15	2.64	8.59	1.26	6.7	1.3	3.71	0.48	2.93	0.45	32.1	312
				A24-11	50-55	Tsp:	13.1	4.2	1.2	60.6	134	15.55	61	11.9	3.15	10.15	1.49	7.83	1.49	4.27	0.55	3.36	0.52	36.7	353
				A24-12	55-60	Tsp:	12	5.6	1	63.1	139.5	15.2	58.8	11.05	2.91	9.26	1.3	6.77	1.28	3.59	0.47	2.79	0.43	32.2	349
				A24-13	60-65	Tsp:	16.6	4.4	1.2	78.2	167	18.55	72	13.6	3.56	11.55	1.64	8.54	1.61	4.53	0.58	3.52	0.53	41.4	427
				A24-14	65-70	Tsp:	13.8	3.9	0.9	64.5	143.5	16.3	63.9	12.25	3.3	10.4	1.48	7.68	1.47	4.13	0.52	3.18	0.5	36.2	369
				A24-15	70-75	Tsp:	13.3	4.4	1.3	62	134	15.25	59.9	11.5	3.02	9.68	1.35	6.91	1.31	3.6	0.45	2.73	0.43	33.6	346
				A24-16	75-80	Tsp:	14.5	5.5	1.8	73.7	157.5	17.75	68.8	12.75	3.4	10.75	1.49	7.69	1.47	4.12	0.52	3.25	0.5	37.4	401
				A24-17	80-85	Tsp:	5.8	7.6	1.7	31.7	62.3	7.57	28.2	5.26	1.46	4.11	0.59	3	0.6	1.65	0.22	1.23	0.2	15.6	164
				A24-18	85-90	Tsp:	2.7	8	1.6	18.8	33.8	3.76	13	2.33	0.76	1.73	0.26	1.39	0.3	0.84	0.12	0.72	0.12	8.2	86
				A24-19	90-95	Tsp:	3.1	7.5	1.6	21.3	38.7	4.35	15	2.62	0.89	1.98	0.29	1.55	0.33	0.96	0.14	0.84	0.14	9	98
				A24-20	95-100	Tsp:	3.8	7.2	1.7	23.9	42.2	4.63	15.8	2.62	0.96	2.1	0.31	1.58	0.33	0.95	0.13	0.77	0.14	8.8	105
A25	241958	3781281	1445		0-5	80% Qal: 20% Tsp?	10.5	8.3	1.8	36.4	76.9	8.03	29.8	5.58	1.42	5.4	0.75	3.82	0.76	2.29	0.3	1.88	0.29	23.7	197
				A25-2	5-10	Tsp:	19	4.6	1.7	39	88.7	9.77	37.6	7.67	1.98	7.27	1.07	5.59	1.1	3.28	0.42	2.59	0.4	33.6	240
				A25-3	10-15	Tsp:	17.3	5.1	1.8	40.9	95.3	10.5	39	7.86	1.96	7.52	1.09	5.74	1.13	3.45	0.43	2.67	0.41	34.3	252
				A25-4	15-20	Tsp:	20.8	2.8	1.2	33	78.9	8.5	33	6.83	1.81	6.54	0.97	5.21	1.04	3.11	0.39	2.42	0.36	32.3	214
				A25-5	20-25	Tsp:	20.8	2.4	1.2	37.4	88.2	9.93	39.7	8.18	2.11	8.04	1.15	6	1.2	3.55	0.43	2.62	0.4	37.1	246
				A25-6	25-30	Tsp:	24	1.4	0.8	23	55.5	6.48	26.6	5.71	1.66	5.78	0.87	4.72	0.95	2.82	0.35	2.18	0.34	31.8	169
				A25-7	30-35	Tsp:	17.6	2.3	1	32.4	77.1	8.57	34	7.02	1.85	6.86	1.01	5.31	1.05	3.14	0.39	2.34	0.36	32.1	214
				A25-8	35-40	Tsp:	16.3	3.1	0.9	40.3	89.7	11.55	42.6	8.41	2.05	8.32	1.21	6.2	1.24	3.53	0.49	2.88	0.45	33.5	252
				A25-9	40-45	Tsp:	19.8	3.7	1.4	55.2	129	14.15	51.8	10.25	2.48	9.87	1.45	7.63	1.49	4.5	0.57	3.46	0.52	43.8	336
				A25-10	45-50	Tsp:	16.4	3.4	1.5	59.5	131.5	14.8	54.9	10.8	2.53	10.15	1.42	7.19	1.38	4.01	0.48	2.89	0.44	41.8	344
				A25-11	50-55	Tsp:	18.1	3.4	1.3	56.4	127.5	14.45	53.6	10.5	2.49	10.05	1.41	7	1.37	4.01	0.48	2.89	0.45	40.2	333
				A25-12	55-60	Tsp:	16.5	3.5	1.3	62.2	143.5	15.9	58.8	11.65	2.76	10.95	1.56	7.73	1.52	4.36	0.53	3.22	0.48	43.8	369
				A25-13	60-65	Tsp:	17.7	3.4	1.1	49.9	116	12.8	47.5	9.33	2.27	8.63	1.24	6.33	1.22	3.64	0.46	2.77	0.43	36.6	299
				A25-14	65-70	Tsp:	22.4	3.2	1	53.7	125	14.15	52.1	10.05	2.34	9.74	1.41	7.2	1.42	4.24	0.52	3.24	0.48	40.5	326
				A25-15	70-75	Tsp:	19.8	3.3	0.9	44.8	107.5	11.9	44.2	8.78	2.08	8.41	1.26	6.51	1.3	3.87	0.49	3	0.45	36.5	281
				A25-16	75-80	Tsp:	14.4	5.4	1.8	43.8	105	11.95	44.6	8.79	2.22	8.05	1.16	5.89	1.15	3.36	0.41	2.49	0.38	33	272
				A25-17	80-85	Tsp:	10	5.5	1.5	26.7	65.1	7.24	28.2	5.67	1.63	5.35	0.79	4.07	0.82	2.43	0.3	1.86	0.28	22.4	173
				A25-18	85-90	Tsp:	14.9	3	1.2	41.9	108.5	12.2	46.4	9.29	2.54	8.59	1.23	6.13	1.19	3.45	0.42	2.52	0.38	33	278
				A25-19	90-95	Tsp:	11.5	4.6	1.4	48	112.5	12.7	47.2	8.97	2.51	8.18	1.15	5.56	1.06	3.08	0.37	2.27	0.35	30.2	284
				A25-20	95-100	Tsp:	4.6	7.5	1.5	24.5	51.5	5.42	19.5	3.5	1.09	3.23	0.45	2.26	0.44	1.33	0.16	1.04	0.17	13.1	128
A26	241941	3781306	1440	A26-1	0-5	Tsp:	14	6.2	1.9	54.6	119	13.15	48.9	9.83	2.33	9.61	1.36	7.05	1.39	4.15	0.51	3.15	0.48	39.3	315
				A26-2	5-10	Tsp:	14.7	4.6	1.4	59.7	135.5	14.95	54.7	10.7	2.8	10.1	1.46	7.46	1.45	4.35	0.54	3.31	0.5	42.7	350
				A26-3	10-15	Tsp:	21.9	6.2	1.6	104	246	25	94.2	17.9	3.13	16.8	2.3	11.15	2.15	6.35	0.76	4.63	0.69	64.9	600
				A26-4	15-20	Tsp:	19.2	4.6	1.4	75.2	175	19.05	70	13.65	2.86	12.75	1.83	9.23	1.82	5.33	0.65	3.95	0.59	53.5	445
				A26-5	20-25	Tsp:	17.8	4.3	1.1	57.5	130.5	14.25	52.3	10.15	2.51	9.7	1.4	7.27	1.45	4.32	0.54	3.32	0.5	42	338

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A26-6	25-30	Tsp:	12.7	2.9	1	36.9	87.2	9.59	37.2	7.34	1.85	7.03	1.04	5.42	1.07	3.2	0.4	2.44	0.37	31.5	233
				A26-7	30-35	Tsp:	12.4	2.8	1.1	37.8	88.3	9.73	38.3	7.68	1.91	7.27	1.05	5.48	1.09	3.23	0.41	2.43	0.36	32.1	237
				A26-8	35-40	Tsp:	18.9	2.5	0.9	30.3	72.3	8.06	31.7	6.56	1.72	6.43	0.94	5.01	0.99	2.96	0.36	2.19	0.33	29.8	200
				A26-9	40-45	Tsp:	22.7	3.1	0.8	24.5	52	5.91	23.5	4.92	1.47	4.86	0.71	3.62	0.7	2.04	0.25	1.49	0.22	23	149
				A26-10	45-50	Tsp:	18.9	2.1	0.7	23.3	52.5	5.89	23.3	4.89	1.46	4.84	0.72	3.75	0.74	2.16	0.27	1.65	0.25	23.2	149
				A26-11	50-55	Tsp:	19.4	2.8	0.8	34.3	83.6	9.2	36.4	7.56	2.05	7.27	1.05	5.29	1.01	2.96	0.36	2.25	0.34	31	225
				A26-12	55-60	Tsp:	19.3	3	1.1	45.1	106.5	12.1	45.6	9.3	2.33	8.67	1.24	6.29	1.22	3.59	0.43	2.63	0.4	36	281
				A26-13	60-65	Tsp:	25.2	2.1	1.3	33.1	71.8	10.25	42.1	8.9	2.43	7.9	1.25	6.77	1.34	3.71	0.49	2.96	0.44	33	226
				A26-14	65-70	Tsp:	25	2.7	1.4	46.2	97	13.25	53.5	10.8	2.67	9.36	1.42	7.43	1.45	4.08	0.52	3.2	0.48	36.5	288
				A26-15	70-75	Tsp:	22.7	3.4	1.4	60.4	128	16.35	66	12.8	2.93	10.95	1.66	8.67	1.68	4.74	0.62	3.73	0.55	41.7	361
				A26-16	75-80	Tsp:	20.5	3.3	1.3	58.2	123	16.05	64.4	12.65	2.8	10.65	1.6	8.33	1.63	4.57	0.58	3.55	0.53	40.3	349
				A26-17	80-85	Tsp:	6.7	7.4	1.2	26	51.8	6.91	26.2	4.84	1.36	4.38	0.63	3.24	0.63	1.77	0.23	1.43	0.22	16.8	146
				A26-18	85-90	Tsp:	4.2	8.3	1.1	19.5	37.1	4.67	16.9	2.99	1	2.73	0.39	2.02	0.4	1.14	0.15	0.99	0.16	11.2	101
				A26-19	90-95	Tsp:	5.6	7.1	1.5	23.3	45.9	5.87	21.7	3.99	1.33	3.66	0.54	2.82	0.56	1.57	0.21	1.35	0.21	15.1	128
				A26-20	95-100	Tsp:	10.9	6	2	45.2	91.6	11.85	45.8	8.7	2.39	7.74	1.16	6.07	1.2	3.4	0.45	2.77	0.43	30.8	260
A27	241921	3781331	1436	A27-1	0-5	Tsp:	15.3	5.9	1.4	71.7	141	17.2	65.6	12.9	2.96	11	1.64	8.62	1.8	4.96	0.66	3.47	0.55	42.3	386
				A27-2	5-10	Tsp:	13.3	5.4	1.4	55.6	111.5	13.55	52.4	10.2	2.41	8.77	1.29	6.83	1.41	3.94	0.52	2.78	0.44	33	305
				A27-3	10-15	Tsp:	11.7	5.1	2.7	65.6	125.5	15.8	57.1	11.25	2.14	8.82	1.34	7.15	1.44	3.46	0.47	2.79	0.41	35.7	339
				A27-4	15-20	Tsp:	14.7	4.4	2.4	55.9	117	15	55	10.75	2.42	8.24	1.33	7.16	1.46	3.61	0.5	3	0.45	34.2	316
				A27-5	20-25	Tsp:	12.2	4.6	1.7	61.5	121.5	15.3	55.6	10.6	2.74	7.74	1.24	6.77	1.37	3.29	0.46	2.85	0.44	32.9	324
				A27-6	25-30	Tsp:	12.1	4.7	2.2	81.8	153.5	19.3	70	13.35	3.27	9.35	1.43	7.81	1.57	3.76	0.53	3.23	0.5	38.1	408
				A27-7	30-35	Tsp:	13.8	4.6	1.7	61	121.5	15.15	54.4	10.55	3.12	7.58	1.24	6.96	1.46	3.64	0.53	3.34	0.52	34.3	325
				A27-8	35-40	Tsp:	9.3	4.3	1.3	50.9	99.8	12.5	45.2	8.63	2.83	6.43	1	5.44	1.09	2.66	0.38	2.32	0.38	26.9	266
				A27-9	40-45	Tsp:	14.3	5	1.6	71.4	147	17.9	65.1	12.55	3.68	9.78	1.5	8.12	1.67	4.13	0.57	3.5	0.55	39.8	387
				A27-10	45-50	Tsp:	13.7	6.1	2.2	69	143.5	17.75	64.9	12.25	3.22	9.3	1.44	7.8	1.55	3.91	0.54	3.37	0.52	38.1	377
				A27-11	50-55	Tsp:	8.4	6.1	2.7	46.1	88	11	39	7.26	2.38	5.58	0.86	4.63	0.94	2.36	0.33	2.12	0.34	23	234
				A27-12	55-60	Tsp:	5.8	7.6	2.3	33	63.4	7.49	25.6	4.78	1.77	3.65	0.57	3.05	0.63	1.61	0.24	1.56	0.25	16.1	164
				A27-13	60-65	Tsp:	4	7.6	1.6	35.8	55	6.51	21.4	3.81	1.48	2.81	0.42	2.37	0.48	1.25	0.19	1.22	0.2	13	146
				A27-14	65-70	Tsp:	3.5	7.7	1.5	26.1	39.3	4.78	16.1	2.87	1.02	2.03	0.32	1.77	0.38	0.96	0.15	0.94	0.15	10.3	107
				A27-15	70-75	Tsp:	3.2	7.5	1.5	26.2	39.2	4.84	15.8	2.87	1.02	2.05	0.32	1.73	0.36	0.95	0.14	0.94	0.15	10.3	107
				A27-16	75-80	Tsp:	3.8	7.1	1.5	22.9	39	4.22	13.8	2.53	0.97	1.9	0.31	1.68	0.35	0.9	0.13	0.92	0.14	9.2	99
				A27-17	80-85	Tsp:	3.9	7.5	1.5	24.8	41.2	4.51	14.7	2.69	1.03	1.98	0.31	1.74	0.36	0.94	0.14	0.93	0.15	10.2	106
				A27-18	85-90	Tsp:	3.2	8	1.5	22.4	33.9	4.13	13.7	2.47	1.04	1.82	0.28	1.56	0.33	0.86	0.13	0.88	0.14	9	93
				A27-19	90-95	Tsp:	2.9	8.2	1.6	20.6	33.8	3.63	11.7	2.04	1.02	1.46	0.24	1.34	0.28	0.76	0.13	0.88	0.15	8.2	86
				A27-20	95-100	Tsp:	3.1	7.7	1.7	24.3	36.9	4.33	14	2.47	1.13	1.91	0.28	1.63	0.34	0.91	0.14	0.97	0.16	9.5	99
A28	241902	3781353	1434	A28-1	0-5	Tsp: 60% medium green; 40% dark red brown; 40% hm, silicic	17.5	5.1	1.4	71.7	143.5	18.35	66.5	13.1	2.32	9.9	1.61	8.93	1.81	4.46	0.61	3.67	0.53	44.4	391
				A28-2	5-10	Tsp: 50% medium green; 50% dark red brown; 50% hm, silicic	18.1	4.5	1	68	140.5	18.3	67.6	13.6	2.48	10.5	1.7	9.55	1.97	4.95	0.7	4.25	0.61	48.1	393

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A28-3	10-15	Tsp: 80% medium green; 20% dark red brown, hm; silicic	21.2	4.2	0.8	77.4	155.5	20.2	75.3	15	2.65	11.05	1.8	9.74	2	4.89	0.68	4.07	0.6	50	431
				A28-4	15-20	Tsp: 85% light to medium green; 15% dark red brown; hm, silicic	18.5	3.9	0.7	71.8	152	19.7	73.5	14.95	3.04	11.55	1.87	10.3	2.11	5.27	0.72	4.33	0.63	49.7	421
				A28-5	20-25	Tsp: 85% light to medium green; 15% dark red brown; hm, silicic	18.1	3.7	0.6	63.6	138.5	16.9	62.6	12.65	2.55	9.52	1.54	8.57	1.79	4.46	0.63	3.76	0.56	42.2	370
				A28-6	25-30	Tsp: 70% light to medium green; 30% red brown; hm	17.6	4.4	0.7	75.7	147	18.75	69.6	13.85	2.89	10.55	1.6	8.55	1.73	4.15	0.56	3.3	0.49	41.8	401
				A28-7	30-35	Tsp: 90% light to medium green gray; 10% red brown, hm	20.7	3.9	0.6	61.7	129.5	15.75	57.9	11.9	2.42	9.8	1.56	8.54	1.75	4.42	0.63	3.84	0.57	43.1	353
				A28-8	35-40	Tsp: 90% light to medium green gray; 10% red brown, hm	18.7	3.5	0.6	60.2	123.5	15.45	57	11.45	2.37	9.74	1.5	8.19	1.68	4.29	0.61	3.7	0.55	40.9	341
				A28-9	40-45	Tsp: 90% light to medium green gray; 10% red brown, hm	17.8	4.9	1	67.3	130.5	16.55	60.2	11.85	2.61	10.3	1.57	8.46	1.71	4.32	0.59	3.66	0.53	42.6	363
				A28-10	45-50	Tsp: 95% medium green; 2% hm, silicic	13.5	5.8	1.6	43.8	86.4	10.8	39.2	7.9	2.74	6.76	1.06	5.71	1.18	3.06	0.44	2.76	0.43	28.8	241
				A28-11	50-55	Tsp: 60% white; 30% medium green; 10% dark red brown, hm	7.6	6.1	1.6	28.5	46.8	5.98	20.9	3.99	1.73	3.36	0.51	2.75	0.57	1.45	0.22	1.47	0.24	13.9	132
				A28-12	55-60	Tsp: 60% white; 30% medium green; 10% dark red brown, hm	3.9	8.3	1.6	25.1	38	4.62	15.1	2.72	1.41	2.22	0.33	1.74	0.37	0.96	0.14	0.97	0.16	9.6	103
				A28-13	60-65	Tsp: 80% dark red brown to yellow brown; hm; 20% light green	3.8	7.9	1.9	28.3	36.6	5.35	17.9	3.18	1.85	2.75	0.4	2.14	0.46	1.2	0.18	1.26	0.22	12.7	114

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A28-14	65-70	Tsp: 70% white, 20% light green; 5% hm	3.3	8.4	1.5	24.9	37.5	4.45	14.6	2.59	2.03	2.25	0.33	1.7	0.36	0.95	0.14	1.07	0.2	9.8	103
				A28-15	70-75	Tsp: 70% white, 20% light green; 5% hm	3.4	9.6	1.9	24.8	41.4	4.51	14.8	2.61	2.21	2.23	0.33	1.75	0.36	0.94	0.15	1.06	0.21	10.1	107
				A28-16	75-80	Tsp: 70% white, 20% light green; 5% hm	3.3	7.8	1.8	25	39.3	4.42	14.1	2.47	1.85	1.88	0.29	1.59	0.34	0.89	0.14	1.02	0.19	9.5	103
				A28-17	80-85	Tsp: 70% white, 20% light green; 5% hm	3.1	8.2	1.8	25.3	43.1	4.55	15.6	2.7	1.01	2.09	0.3	1.75	0.34	0.95	0.15	0.97	0.16	10.5	109
				A28-18	85-90	Tsp: 60% white; 30% light green; 10% hm	3.4	7.3	1.8	24.2	41.3	4.3	14.7	2.59	0.96	1.99	0.29	1.72	0.33	0.94	0.15	0.96	0.16	10.3	105
				A28-19	90-95	Tsp: 50% white; 50% light green minor hm	3.2	7.4	2.1	26	44.8	4.63	15.8	2.72	0.97	2.12	0.31	1.77	0.35	1	0.15	0.98	0.16	10.9	113
				A28-20	95-100	Tsp: 30% white, 70% light green	3.1	7.9	2	22.3	40.7	4.2	14.3	2.55	0.94	1.99	0.29	1.69	0.33	0.97	0.15	0.96	0.16	10.2	102
A29	241884	3781378	1428	A29-1	0-5	Tsp: 60% medium green gray; 30% dark red brown; hm, silicic	16.4	4.7	0.9	70.8	138.5	15.55	61.1	11.85	3.47	11.05	1.56	8.84	1.7	4.63	0.63	3.75	0.55	43.6	378
				A29-2	5-10	Tsp: 60% medium green gray; 30% dark red brown; hm, silicic	17.1	4.2	0.8	81.8	163.5	18.1	70.8	13.8	3.7	12.2	1.68	9.6	1.85	5.05	0.7	4.07	0.62	48.2	436
				A29-3	10-15	Tsp: 60% medium green gray; 30% dark red brown; hm, silicic	8.8	6.5	1	51.6	102.5	11.25	41.8	7.95	2.34	6.73	0.93	5.29	0.98	2.67	0.37	2.22	0.33	26.3	263
				A29-4	15-20	Tsp: 60% medium green gray; 30% dark red brown; hm, silicic	12	5.3	0.9	59.3	123.5	13.9	53.7	10.55	2.94	9.25	1.3	7.3	1.44	3.86	0.54	3.14	0.46	36.6	328
				A29-5	20-25	Tsp: 80% medium green; 20% dark red brown, hm	15	4	0.7	57	111.5	12.8	48.9	9.76	2.99	9.14	1.3	7.33	1.42	3.8	0.53	3.16	0.47	36.2	306
				A29-6	25-30	Tsp: 80% medium green; 20% dark red brown, hm	20.2	4.6	0.7	75.8	153	16.5	63.9	12.8	3.3	11.75	1.69	9.89	1.92	5.25	0.75	4.42	0.65	50.2	412

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A29-7	30-35	Tsp: 70% medium green; 3% dark red brown, hm0	21.1	4.4	0.8	68.3	138	15.1	59.2	12.1	3.28	11.4	1.65	9.56	1.84	5.12	0.73	4.36	0.65	48.2	379
				A29-8	35-40	Tsp: 70% medium green; 3% dark red brown, hm1	17.5	4.7	0.8	63.3	125.5	13.6	53.1	10.7	2.88	10.25	1.44	8.29	1.6	4.44	0.64	3.75	0.55	41.4	341
				A29-9	40-45	Tsp: 80% medium green; 20% dark red brown; hm	18.1	4.7	1	65.3	130	14.6	55	10.7	3.46	9.82	1.38	8.06	1.56	4.27	0.61	3.67	0.56	39.9	349
				A29-10	45-50	Tsp: 90% medium green; 5% dark red brown; hm	15.7	3.8	1.2	75	157	16.9	66.3	12.95	4.21	11.55	1.57	8.87	1.67	4.46	0.62	3.71	0.57	42.6	408
				A29-11	50-55	Tsp: 90% medium green; 5% dark red brown; hm	14.6	5.1	2	69.1	142	15.7	61.9	11.75	3.45	10.25	1.4	7.85	1.49	3.96	0.56	3.25	0.51	38.5	372
				A29-12	55-60	Tsp: 70% light green; 25% white; 5% hm	9.4	5.4	1.7	40.8	80	9.11	34.4	6.49	2.02	5.6	0.75	4.19	0.79	2.08	0.3	1.78	0.28	21.2	210
				A29-13	60-65	Tsp: light green and white; minor hm (<-5%)	4	7.4	1.8	25.7	46.4	4.86	17.2	3.04	1.21	2.46	0.35	2.02	0.39	1.1	0.17	1.06	0.17	11.5	118
				A29-14	65-70	Tsp: light green and white; minor hm (<-5%)	4	7.3	2.7	25.8	45.2	4.65	16	2.79	1.18	2.31	0.32	1.87	0.37	1.04	0.16	1.03	0.17	11	114
				A29-15	70-75	Tsp: light green and white; minor hm (<-5%)	3.9	7.3	2.5	26.1	45.9	4.71	16.1	2.8	1.17	2.29	0.32	1.87	0.36	1.02	0.15	1.01	0.16	10.9	115
				A29-16	75-80	Tsp: light green and white; minor hm (<-5%)	3.6	6.8	1.8	23.6	40.7	4.12	14	2.45	1	1.93	0.27	1.59	0.31	0.9	0.14	0.88	0.15	9.5	102
				A29-17	80-85	Tsp: light green and white; minor hm (<-5%)	2.9	7.1	1.3	20.9	36.6	3.67	12.2	2.07	0.97	1.54	0.23	1.3	0.26	0.73	0.11	0.74	0.13	7.9	89
				A29-18	85-90	Tsp: light green and white; minor hm (<-5%)	3.1	7.6	1.3	21.3	37.7	3.89	13.3	2.26	0.91	1.76	0.25	1.48	0.29	0.8	0.13	0.85	0.14	9	94
				A29-19	90-95	Tsp: White and light green 5% hm	2.9	7.5	1.5	20	35.8	3.72	12.8	2.25	0.89	1.73	0.25	1.45	0.28	0.79	0.12	0.8	0.13	8.5	90
				A29-20	95-100	Tsp: White and light green 5% hm	2.8	6.8	1.4	20.7	37.6	3.84	13.1	2.33	1.62	1.84	0.26	1.47	0.29	0.82	0.13	0.92	0.18	8.7	94

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
A30	241866	3781406	1422	A30-1	0-5	Tsp: 60% medium green; 35% red brown; hm; siliceous	14.4	6.2	1.2	72	143	15.55	60.6	11.65	3.45	10.25	1.41	7.93	1.52	4.12	0.58	3.37	0.5	38.9	375
				A30-2	5-10	Tsp: 80% medium green; 20% red brown; hm	16.1	5.1	0.9	74.1	153.5	16.9	66.4	13.35	3.76	12.15	1.7	9.73	1.86	5.07	0.7	4.13	0.62	47.4	411
				A30-3	10-15	Tsp: 90% medium green gray; 10% red brown; hm	17.5	4.7	0.9	80.2	166.5	18.2	71.4	14.1	4.08	12.45	1.73	9.91	1.88	5.04	0.69	4.16	0.62	47.8	439
				A30-4	15-20	Tsp: 90% medium green gray; 10% red brown; hm	19.1	4.9	0.8	74.9	155.5	16.85	66.5	13.25	4.19	12.3	1.73	10.05	1.92	5.22	0.75	4.44	0.66	48	416
				A30-5	20-25	Tsp: 90% medium green gray; 10% red brown; hm	17.4	4.7	0.7	72.3	147	15.6	59.3	11.45	3.34	10.4	1.49	8.72	1.69	4.66	0.67	4.04	0.61	42.9	384
				A30-6	25-30	Tsp: 90% medium to dark green gray; 10% hm	19.4	4.1	0.5	64.9	129.5	14.1	53.3	10.6	3.21	9.53	1.39	8.05	1.61	4.42	0.64	3.8	0.59	41.4	347
				A30-7	30-35	Tsp: 90% medium to dark green gray; 10% hm	18.5	4.4	0.7	68.8	137.5	14.75	56.6	11.35	3.21	10.45	1.5	8.61	1.69	4.71	0.67	4.04	0.62	44	369
				A30-8	35-40	Tsp: 70% lightto medium green gray; 20% white; 10% hm	11.7	5.8	1	51.6	101	11.3	42.7	8.2	2.66	7.15	1.02	5.87	1.13	3.08	0.44	2.7	0.42	29.3	269
				A30-9	40-45	Tsp: 40% white; 50% light green gray; 10% hm	4.2	6.1	1.6	19.9	40.3	4.55	17.3	3.32	1.34	2.65	0.37	2.16	0.41	1.13	0.17	1.08	0.18	11.3	106
				A30-10	45-50	Tsp: light green; minor hm	4.4	9.2	2.2	28.2	52.1	5.5	19.2	3.49	1.34	2.75	0.4	2.34	0.46	1.31	0.2	1.31	0.22	13.5	132
				A30-11	50-55	Tsp: light green; minor hm	3.6	8.9	1.8	26.2	49.1	5.34	18.4	3.1	1.03	2.33	0.33	1.86	0.35	0.99	0.14	0.83	0.14	10.1	120
				A30-12	55-60	Tsp: light green ; 10% hm + lm	2.9	10	1.9	23.5	42.1	4.66	15.9	2.65	0.87	2.04	0.3	1.75	0.33	1	0.15	0.89	0.15	10.2	106
				A30-13	60-65	Tsp: light green	3.2	8.2	1.9	20.3	39.2	4.23	14.5	2.45	0.84	1.88	0.28	1.58	0.3	0.9	0.14	0.8	0.13	8.6	96
				A30-14	65-70	Tsp: light green	2.8	8	1.5	21.1	39.7	4.22	14.2	2.36	0.79	1.77	0.26	1.5	0.29	0.84	0.13	0.75	0.13	8.4	96
				A30-15	70-75	Tsp: 20% light green; 80% white; tr hm	3	8.7	1.6	21.3	40.2	4.28	14.4	2.41	0.79	1.83	0.26	1.53	0.29	0.86	0.13	0.76	0.13	8.6	98

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A30-16	75-80	Tsp: 20% light green; 80% white; tr hm	3.1	8.7	1.6	24.3	43.8	4.91	17	2.88	0.93	2.18	0.3	1.7	0.31	0.89	0.13	0.77	0.13	9.2	109
				A30-17	80-85	Tsp: 20% light green; 80% white; tr hm	2.8	9.3	1.3	22	41.1	4.45	15.4	2.6	0.82	2.01	0.28	1.58	0.29	0.85	0.12	0.72	0.12	8.5	101
				A30-18	85-90	Tsp: 20% light green; 80% white; tr hm	2.9	8.1	1.5	26.1	44.9	5.18	18	3.27	1.04	2.22	0.33	1.78	0.34	0.92	0.13	0.8	0.13	10.6	116
				A30-19	90-95	Tsp: 20% light green; 80% white; tr hm	3	8.5	1.4	22.1	38	4.12	13.6	2.44	0.96	1.63	0.25	1.38	0.28	0.79	0.12	0.77	0.13	8.9	95
				A30-20	95-100	Tsp: 20% light green; 80% white; tr hm	2.9	7.7	1.1	22.4	38.5	4.18	13.7	2.46	1.06	1.75	0.27	1.44	0.29	0.85	0.12	0.82	0.13	8.9	97
A31	241849	3781425	1421	A31-1	0-5	Tc: dark red ss	8.8	13.8	3.1	40.3	83	9.58	33.6	6.49	1.66	4.65	0.72	3.78	0.75	2.05	0.29	1.84	0.29	21.6	211
				A31-2	5-10	Tc: dark red ss	9.4	16.3	3.5	45.4	93.2	10.8	38.4	7.45	1.94	6	0.93	5.09	1.01	2.82	0.39	2.42	0.39	27.7	244
				A31-3	10-15	20% Tc; 80% Tsp:	14.2	6.8	1.8	60.8	135	16.65	63.1	12.55	3.51	10.1	1.55	8.37	1.64	4.42	0.58	3.41	0.52	41.7	364
				A31-4	15-20	Tsp:	16	5	1	63.5	136.5	16.75	62.9	12.45	2.99	10.25	1.56	8.5	1.69	4.56	0.62	3.53	0.53	41.2	368
				A31-5	20-25	Tsp:	16.9	4.7	1	70.4	139.5	18.1	68.3	13.25	3.08	10.85	1.64	8.78	1.76	4.71	0.63	3.71	0.55	44.5	390
				A31-6	25-30	Tsp:	15.8	4.4	0.8	61.9	130	16.1	59.9	11.95	2.98	10.1	1.54	8.32	1.66	4.44	0.6	3.47	0.52	41.8	355
				A31-7	30-35	Tsp:	12.7	5.5	0.9	54.3	115.5	14	51.6	10.05	3.42	8.32	1.26	6.63	1.33	3.52	0.47	2.81	0.44	32.9	307
				A31-8	35-40	Tsp:	13.8	5.5	0.9	60.7	135.5	16.5	62.3	12.4	3.33	9.81	1.51	7.94	1.57	4.21	0.57	3.33	0.52	38.5	359
				A31-9	40-45	Tsp:	13.2	5.2	0.9	65.2	143.5	17.65	66.6	13.2	4	10.55	1.61	8.61	1.67	4.53	0.61	3.6	0.57	41.2	383
				A31-10	45-50	Tsp:	16.3	4.7	0.9	66.8	145.5	18.05	67.7	13.55	6.64	10.9	1.64	8.69	1.72	4.6	0.64	3.95	0.68	43.9	395
				A31-11	50-55	Tsp:	15.1	5.5	1.1	59	125	15.2	56.1	11.25	3.12	9.41	1.47	7.93	1.58	4.34	0.59	3.51	0.54	40.8	340
				A31-12	55-60	Tsp:	15.4	4.5	0.9	64.9	140.5	17.25	64.2	12.75	3.52	10.2	1.61	8.78	1.76	4.8	0.65	3.92	0.6	41	376
				A31-13	60-65	Tsp:	9.8	3	0.8	37.7	78.6	9.49	34.7	6.83	2.48	5.23	0.83	4.56	0.93	2.53	0.36	2.21	0.35	25	212
				A31-14	65-70	Tsp:	5.5	3	0.9	29.4	54.6	6.3	22.5	4.19	1.82	3.28	0.5	2.66	0.53	1.43	0.2	1.27	0.21	13.4	142
				A31-15	70-75	Tsp:	8.8	6.9	1.5	37.4	79.7	9.44	34.5	6.78	2.22	5.47	0.85	4.67	0.93	2.58	0.36	2.15	0.35	24.3	212
				A31-16	75-80	Tsp:	14.3	4.4	0.9	56.8	123.5	15.1	56.8	11.35	2.89	9.27	1.44	7.74	1.56	4.2	0.58	3.43	0.52	40.2	335
				A31-17	80-85	Tsp:	9.8	6.6	1.4	35	73	8.79	32.1	6.25	2.18	5.16	0.78	4.05	0.82	2.21	0.31	1.82	0.29	21.1	194
				A31-18	85-90	Tsp:	4.3	6.9	1.4	25.8	46.3	5.29	18.4	3.39	1.54	2.68	0.41	2.15	0.44	1.2	0.17	1.08	0.17	11.7	121
				A31-19	90-95	Tsp:	6.2	6.3	1.6	31.7	66.9	7.97	28.3	5.44	1.91	4.2	0.65	3.47	0.69	1.87	0.26	1.56	0.24	17.4	173
				A31-20	95-100	Tsp:	5.5	5.3	0.9	34.2	69.1	7.67	26	4.47	1.41	3.15	0.48	2.48	0.48	1.27	0.18	1.04	0.16	11.2	163
A32	241831	3781452	1424	A32-1	0-5	Tc: dark red brown ss with conglomerate cuttings	8.4	14.8	2.6	47.7	91.8	10.85	38.5	7.29	3.47	5.5	0.83	4.29	0.83	2.31	0.33	2.1	0.37	23.5	240
				A32-2	5-10	Tc: dark red brown ss	8.8	15	2.8	43.7	88.2	10.2	35.7	6.91	1.95	5.03	0.78	4.16	0.82	2.27	0.32	2.01	0.32	22.2	225
				A32-3	10-15	Tc: dark red brown ss	12	21	4.5	60.2	121	13.85	48.5	9.12	2.34	6.85	1.06	5.48	1.07	2.96	0.42	2.57	0.4	28.9	305
				A32-4	15-20	Tc: dark red brown ss	11.1	20.6	3.9	56.2	112.5	12.85	44.4	8.41	2.06	6.24	0.95	4.97	0.99	2.68	0.38	2.37	0.38	26.5	282
				A32-5	20-25	Tc: dark red brown ss	9.6	14.2	2.9	41.4	90	9.52	34.4	6.38	1.7	5.14	0.75	4.17	0.81	2.2	0.31	1.99	0.29	21.2	220

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				A32-6	25-30	30% Tc: 70% Tsp:	13.8	9.7	2.2	52.9	120.5	13.55	51	9.84	2.12	8.02	1.2	6.87	1.34	3.63	0.48	2.91	0.39	33.2	308
				A32-7	30-35	Tsp:	19	6.6	1.2	76.2	183	20.4	81.7	16.35	3	13.95	2.07	11.8	2.31	6.23	0.81	4.81	0.62	57.1	480
				A32-8	35-40	Tsp:	18.6	6	1.1	80.3	194.5	22.2	89.6	18	3.1	15.25	2.28	13.05	2.5	6.77	0.87	5.19	0.67	61.7	516
				A32-9	40-45	Tsp:	19	4.2	0.8	58.1	137.5	15.75	61.5	12.5	2.95	10.65	1.63	9.32	1.82	4.96	0.65	4.01	0.54	46.8	369
				A32-10	45-50	Tsp:	17.3	3.6	0.6	51.7	121	13.65	52.4	10.35	2.53	8.72	1.29	7.43	1.44	3.92	0.52	3.2	0.43	36.4	315
				A32-11	50-55	Tsp:	20.2	3.9	0.7	67	152.5	17.05	65.9	12.8	3.13	10.65	1.57	8.77	1.7	4.57	0.6	3.63	0.48	42.6	393
				A32-12	55-60	Tsp:	17.7	5	0.8	63.9	144	15.95	60.3	11.95	2.84	10.15	1.54	8.76	1.73	4.74	0.63	3.89	0.51	43.8	375
				A32-13	60-65	Tsp:	20.2	6.1	1.1	70.8	160.5	18	68.7	13.4	3.38	11.25	1.66	9.47	1.84	5.04	0.67	4.21	0.58	45.1	415
				A32-14	65-70	Tsp:	19.5	5.4	1.1	69	154.5	17.5	67	13.05	4.26	11.2	1.66	9.63	1.86	5.11	0.68	4.36	0.63	47.6	408
				A32-15	70-75	Tsp:	19.4	5.6	1.2	66.7	151.5	17	65.6	12.9	3.47	11.15	1.66	9.41	1.84	5.06	0.68	4.22	0.57	46.1	398
				A32-16	75-80	Tsp:	12.6	6.1	0.9	53.2	121.5	13.85	52.7	10.3	2.84	8.31	1.24	6.88	1.29	3.45	0.45	2.73	0.37	31.1	310
				A32-17	80-85	Tsp:	12.5	5.4	0.9	41	96.3	11.2	43.8	9.05	2.52	7.42	1.13	6.37	1.2	3.18	0.42	2.58	0.35	28.6	255
				A32-18	85-90	Tsp:	18.1	5.3	1.2	31.2	70.2	8.71	35.2	7.65	2.16	6.73	1.01	5.81	1.13	3.01	0.4	2.48	0.34	27.9	204
				A32-19	90-95	Tsp:	12.3	5.8	1	41.8	91.7	10	37.4	7.17	2.03	5.73	0.84	4.76	0.89	2.37	0.32	1.98	0.27	22.3	230
				A32-20	95-100	Tsp:	6.8	6.5	0.8	52.6	103	10.15	34.7	5.49	1.64	3.88	0.54	2.94	0.54	1.4	0.18	1.15	0.17	13.8	232
A33	241799	3781470	1424	A33-1	0-5	Tc: dark red brown ss with 5-10% varicolored clasts pebbles, etc	9.1	13.9	3.3	46.1	89.4	9.83	37.3	6.77	1.5	4.96	0.74	4.23	0.8	2.23	0.31	2.06	0.31	22.4	229
				A33-2	5-10	Tc: dark red brown ss with 5-10% varicolored clasts pebbles, etc	11.6	19.6	4.6	60.2	118	12.65	47.4	8.34	1.74	5.98	0.88	5.02	0.94	2.59	0.37	2.4	0.37	26.8	294
				A33-3	10-15	Tc: dark red brown ss with 5-10% varicolored clasts pebbles, etc	10.5	16.2	3.5	51.7	101.5	11.05	42.3	7.61	1.69	5.43	0.8	4.59	0.86	2.36	0.33	2.15	0.32	24.4	257
				A33-4	15-20	Tc: dark red brown ss with 5-10% varicolored clasts pebbles, etc	10.7	16.3	3.6	52.4	103.5	11.45	43.6	8.12	1.77	5.83	0.88	5.18	0.99	2.75	0.38	2.49	0.37	26.2	266
				A33-5	20-25	Tc: dark red brown ss with 5-10% varicolored clasts pebbles, etc	10	15.8	3.3	51.5	100.5	11.1	42.3	7.65	1.74	5.76	0.84	4.95	0.93	2.6	0.36	2.37	0.36	25.3	258
				A33-6	25-30	Tc: dark red brown ss with 5-10% varicolored clasts pebbles, etc	11.2	17.2	3.7	53.8	109.5	11.95	45.5	8.42	1.77	5.84	0.91	5.21	0.98	2.73	0.37	2.46	0.36	26.8	277

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A33-7	30-35	Tc: dark red brown ss with 5-10% varicolored clasts pebbles, etc	9.6	13.8	2.9	47.2	93.2	10.4	39.8	7.28	1.63	5.09	0.76	4.45	0.84	2.3	0.32	2.1	0.32	23.2	239
				A33-8	35-40	Tc: dark red brown ss with 5-10% varicolored clasts pebbles, etc	9.5	15	3.2	49.6	96.5	10.6	40.3	7.29	1.64	5	0.76	4.28	0.8	2.26	0.31	2.01	0.29	22.6	244
				A33-9	40-45	Tc: dark red brown ss with 5-10% varicolored clasts pebbles, etc	10.2	15.7	3.2	51.8	101.5	11.25	42.9	7.9	1.71	5.6	0.85	4.96	0.92	2.58	0.36	2.32	0.35	24.8	260
				A33-10	45-50	50% Tc, AA; 50% Tsp: red brown tan and white	10.1	12.6	2.6	51.2	101	11.6	44.9	8.23	1.74	5.84	0.92	5.41	1.03	2.85	0.4	2.47	0.36	28.2	266
				A33-11	50-55	Tsp: Bright orange and red brown, minor green; siliceous; hm	11.3	6.3	2.7	53.7	110.5	13.45	55	10.75	2.11	8.24	1.24	7.35	1.42	3.89	0.52	3.26	0.48	39.6	312
				A33-12	55-60	Tsp: 80% medium to dark green; 20% red brown, hm	13.6	5.5	1.7	56.7	121.5	15	58.1	11.55	3.68	9.64	1.4	8	1.51	4.05	0.53	3.23	0.46	38.1	333
				A33-13	60-65	Tsp: 90% medium to dark green; 20% red brown, hm	13.2	4.8	1.2	53.3	114	13.45	53.4	10.35	3.06	8.39	1.27	7.09	1.37	3.72	0.48	2.85	0.41	33.7	307
				A33-14	65-70	Tsp: light to medium green; 2% red brown FeOx	4.5	5.8	1.1	32.3	61	6.81	23.7	4.37	1.49	3.12	0.46	2.64	0.5	1.39	0.19	1.19	0.17	13.7	153
				A33-15	70-75	Tsp: 60% white; 40%light green	4.4	5.3	1	30.3	56.9	6.13	22.6	4.01	0.97	2.79	0.44	2.52	0.48	1.3	0.18	1.13	0.16	13.6	144
				A33-16	75-80	Tsp: 60% white; 40%light green	4.5	5.9	1.1	34	62.6	6.95	25.3	4.41	1.07	2.94	0.47	2.7	0.52	1.38	0.19	1.21	0.17	14.3	158
				A33-17	80-85	Tsp: 60% white; 40%light green	3.9	5.8	1.1	31.8	57.5	6.39	23.5	3.91	0.98	2.68	0.42	2.39	0.45	1.23	0.17	1.07	0.14	12.6	145
				A33-18	85-90	Tsp: 80% nedium t light green; 20% white; minor hm	12.7	6.6	0.9	65	140	15.95	65.7	12.2	2.73	8.83	1.33	7.88	1.48	3.98	0.52	3.2	0.46	39.2	368

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A33-19	90-95	Tsp: 60% white; 40% light to medium green; tr red hem after specularite?	13.1	8.6	1	64.7	157.5	17.9	68.4	12.75	2.83	14.75	1.82	9.1	1.78	4.88	0.64	3.84	0.58	46.6	408
				A33-20	95-100	Tsp: 60% white, 40% light to medium green, minor hm	12.8	8.7	1	70.6	170.5	19.05	74	13.75	2.99	15.55	1.92	9.66	1.9	5.22	0.68	4.1	0.61	50.1	441
A34	241803	3781506	1423	A34-1	0-5	Tc: dark red brown ss	8.5	12.1	2.5	34.8	74.7	8.24	29.5	5.36	2.09	6.3	0.75	3.73	0.73	2.06	0.29	1.86	0.3	20.3	191
				A34-2	5-10	Tc: dark red brown ss	8.5	11.2	2.6	33.6	73.8	8.17	29	5.35	1.76	5.99	0.72	3.51	0.7	1.95	0.27	1.73	0.28	19.1	186
				A34-3	10-15	Tc: dark red brown ss	10.1	15.3	3.3	39.7	88.8	9.84	35.6	6.69	1.88	7.64	0.93	4.7	0.93	2.62	0.37	2.34	0.37	26.1	229
				A34-4	15-20	Tc: dark red brown ss	9.3	14	3	36.3	82.6	9.1	33	6.19	1.7	7.02	0.86	4.33	0.85	2.4	0.33	2.17	0.34	23.1	210
				A34-5	20-25	Tc: dark red brown ss	10.5	15.7	3.2	40.7	92.4	10.1	36.8	6.93	1.8	7.97	0.97	4.9	0.97	2.76	0.39	2.45	0.38	26.7	236
				A34-6	25-30	Tc: dark red brown ss	9.4	13.2	2.9	33.7	78.2	8.74	31.9	6.06	1.76	6.81	0.85	4.27	0.84	2.36	0.34	2.08	0.33	22.6	201
				A34-7	30-35	Tc: dark red brown ss	7.7	10.3	2.4	25.3	61.1	6.85	25.1	4.81	1.61	5.54	0.7	3.55	0.71	1.99	0.27	1.76	0.29	18.3	158
				A34-8	35-40	Tc: dark red brown ss	7.8	10.3	2.5	27.3	63.6	7.19	26.3	4.87	1.6	5.58	0.68	3.44	0.68	1.9	0.27	1.72	0.27	18.2	164
				A34-9	40-45	Tc: dark red brown ss	11	16.2	3.3	44.7	101.5	10.95	38.8	7.09	1.89	7.96	0.96	4.79	0.95	2.68	0.37	2.34	0.37	25.5	251
				A34-10	45-50	Tc: dark red brown ss, tr Tsp	10.3	14.3	3.1	36.9	87.2	9.54	34.4	6.48	1.81	7.2	0.91	4.49	0.89	2.52	0.36	2.24	0.35	23.7	219
				A34-11	50-55	Tsp: 80% white and light green; 20% dark red brown hm; silicic	9	14.9	3.4	40.2	88	9.47	33.8	6.05	1.6	6.85	0.82	4.03	0.81	2.28	0.32	1.98	0.32	22.6	219
				A34-12	55-60	Tsp: 65% white; 35% light green; 5-10% hm, silicic	7.1	8.6	1.8	28.5	66.6	7.34	26.3	4.85	1.39	5.54	0.69	3.52	0.71	1.95	0.28	1.71	0.26	18.6	168
				A34-13	60-65	Tsp: 65% white; 35% light green; 5-10% hm, silicic	4.6	6.2	1.3	26.9	57	5.99	20.5	3.56	1.31	3.97	0.47	2.34	0.46	1.28	0.17	1.08	0.17	12.8	138
				A34-14	65-70	Tsp: 65% white; 35% light green; 5-10% hm, silicic	4	4.5	0.8	19.1	42	4.57	15.9	2.81	1.2	3.2	0.39	1.94	0.39	1.08	0.15	0.93	0.14	9.8	104

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A34-15	70-75	Tsp: 65% white; 35% light green;10% hm, silicic	4	4.4	0.8	20.6	43.6	4.86	17	3.01	1.16	3.32	0.4	2	0.39	1.09	0.15	0.92	0.14	10.3	109
				A34-16	75-80	Tsp: 65% white; 35% light green; 5-10% hm, silicic	3.8	4.7	0.8	20.9	43.9	4.87	17	3.08	1.09	3.32	0.4	1.98	0.38	1.07	0.14	0.87	0.14	10.1	109
				A34-17	80-85	Tsp: 65% white; 35% light green; 5-10% hm, silicic	3.9	4.8	0.8	20.4	42.8	4.77	16.6	2.91	1.13	3.19	0.38	1.87	0.36	0.99	0.14	0.84	0.13	9.3	106
				A34-18	85-90	Tsp: 65% white; 35% light green; 5-10% hm, silicic	3.9	5.1	0.8	24.9	52.2	5.66	19.4	3.31	1.27	3.62	0.42	2.05	0.4	1.11	0.15	0.97	0.15	10.6	126
				A34-19	90-95	Tsp: 65% white; 35% light green; 5-10% hm, silicic	4.5	6	1.1	29.5	60.2	6.5	22.1	3.71	1.4	4.1	0.48	2.36	0.46	1.27	0.18	1.09	0.17	12.8	146
				A34-20	95-100	Tsp: 65% white; 35% light green; 5-10% hm, silicic	4.4	5.4	1	30.7	60.6	6.63	22.9	3.93	1.47	4.2	0.48	2.29	0.44	1.2	0.16	1.02	0.16	12.2	148
A35	241789	3781532	1414		0-5	Qal: medium gray brown																			0
					5-10	Qal: medium gray brown																			0
					10-15	Qal: medium gray brown																			0
					15-20	60% Qal AA: 40% Tc: 60% medium gray brown; 40% dark red brown ss																			0
				A35-5	20-25	Tc: 90% dark red brown ss; 10% lighter fragments	6.8	7.8	1.9	22.4	54.2	6.22	23	4.5	1.52	4.89	0.63	3.26	0.65	1.81	0.26	1.64	0.26	16.7	142
				A35-6	25-30	Tc: 90% dark red brown ss; 10% lighter fragments	6.9	8.1	2	22.3	52.8	6.06	22.2	4.34	1.47	4.79	0.61	3.14	0.63	1.75	0.25	1.59	0.25	16.1	138
				A35-7	30-35	Tc: 90% dark red brown ss; 10% lighter fragments	7.2	8.9	2.2	24.8	59.4	6.71	24.5	4.74	1.6	5.18	0.66	3.37	0.67	1.89	0.27	1.69	0.27	17.9	154

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A35-8	35-40	Tc: 90% dark red brown ss; 10% lighter fragments	7.9	9.7	2.3	29.6	67.2	7.65	28.2	5.38	1.76	5.82	0.72	3.66	0.71	2.01	0.28	1.84	0.29	19.5	175
				A35-9	40-45	Tc: 90% dark red brown ss; 10% lighter fragments	7.3	9.4	2.2	27.7	63.4	7.25	26.5	5.11	1.94	5.46	0.68	3.55	0.69	1.94	0.27	1.76	0.28	18.8	165
				A35-10	45-50	Tc: 90% dark red brown ss; 10% lighter fragments	8.8	12.3	2.6	33.4	76.6	8.56	30.6	5.75	1.85	6.18	0.75	3.82	0.75	2.08	0.3	1.88	0.31	19.8	193
				A35-11	50-55	Tc: 90% dark red brown ss; 10% lighter fragments	7.8	11.4	2.3	28.9	67.5	7.72	28.1	5.28	1.69	5.74	0.71	3.59	0.7	1.97	0.28	1.76	0.28	18.5	173
				A35-12	55-60	Tc: 90% dark red brown ss; 10% lighter fragments	10.2	15.2	3	41.1	94.2	10.3	37.1	6.8	1.8	7.33	0.89	4.38	0.85	2.43	0.33	2.12	0.34	22.9	233
				A35-13	60-65	80% Tc: dark red brown ss ; 20% Tsp: light green silicic	11.2	14.9	3	45.8	107	11.55	42	7.75	1.8	8.6	1.06	5.41	1.07	3.04	0.42	2.62	0.4	28.1	267
				A35-14	65-70	Tsp: Medium green, siliceous 1% hm	10.6	6.7	1.6	41.2	99.6	11.1	41.9	7.91	1.95	8.56	1.08	5.47	1.07	2.93	0.39	2.31	0.34	27.1	253
				A35-15	70-75	Tsp: Medium green, siliceous 1% hm	10	6.2	1.3	42.6	98.1	11.2	41.8	7.78	1.93	8.37	1.06	5.3	1.04	2.86	0.38	2.25	0.33	26.9	252
				A35-16	75-80	Tsp: Medium green, siliceous 1% hm	4.2	4.9	0.8	22.4	49	5.17	17.8	3.17	1.2	3.4	0.42	2.14	0.42	1.16	0.16	1.02	0.16	10.9	119
				A35-17	80-85	Tsp: Medium green, siliceous 1% hm	4.3	5.2	1.1	22.8	47.6	5.37	20.3	3.49	1.04	2.5	0.38	2.21	0.43	1.17	0.17	1.03	0.16	12	121
				A35-18	85-90	Tsp: Medium green, siliceous 1% hm	4.5	6.1	1.1	29.1	59.2	6.41	23.5	3.91	1.13	2.77	0.43	2.43	0.47	1.24	0.18	1.09	0.17	13.2	145
				A35-19	90-95	Tsp: White and light to Medium green, siliceous 1% hm	4.8	5.4	1.2	25.9	52.4	5.92	21.6	3.74	1.2	2.82	0.42	2.46	0.47	1.27	0.18	1.11	0.17	12.9	133
				A35-20	95-100	Tsp: White and light to Medium green, siliceous 1% hm	4.5	6.1	1.1	29.1	57.3	6.31	23.1	3.83	1.27	3.07	0.44	2.51	0.49	1.28	0.18	1.13	0.17	13.3	143

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A36	241775	3781561	1412		0-5	Qal: white, medium brown, light to medioum gray																			0
					5-10	Qal: white, medium brown, light to medioum gray																			0
					10-15	Qal: white, medium brown, light to medioum gray																			0
					15-20	Qal: white, medium brown, light to medioum gray																			0
					20-25	Qal: white, medium brown, light to medioum gray; tr Tc: red brown ss																			0
				A36-6	25-30	Tc: 90% dark red brown ss, 10% white and light gray fragments	13.8	19.9	4.2	62.6	134.5	14.45	55.5	9.95	2.19	7.91	1.16	6.55	1.28	3.42	0.49	3.09	0.48	33.3	337
				A36-7	30-35	Tc: 90% dark red brown ss, 10% white and light gray fragments	13.4	22.2	4.3	69.4	138.5	15.15	56.7	10.1	2.03	8.01	1.17	6.57	1.26	3.38	0.49	2.97	0.47	33.3	350
				A36-8	35-40	Tc: 98% dark red brown ss; 2% white and light gray fragments	9	10.9	6.7	39.1	79.4	9.16	35.2	6.25	1.64	4.91	0.71	4.04	0.77	2.09	0.3	1.84	0.29	20.8	207
				A36-9	40-45	Tc: dark red brown ss	8	9.9	3.4	33.9	68.7	8.01	31.1	5.58	1.56	4.54	0.66	3.76	0.72	1.95	0.27	1.74	0.28	18.9	182
				A36-10	45-50	Tc: dark red brown ss	7.8	9.3	2.6	28.5	61.2	7.13	27.9	5.06	1.51	4.09	0.59	3.46	0.66	1.81	0.26	1.62	0.26	17.3	161
				A36-11	50-55	Tc: dark red brown ss	7.6	8.5	2.3	25.5	56.7	6.69	26.1	4.83	1.48	4.01	0.59	3.43	0.67	1.8	0.26	1.61	0.27	16.5	150
				A36-12	55-60	Tc: dark red brown ss	8.7	9.5	2.4	29	65	7.4	29.1	5.35	1.61	4.71	0.68	3.95	0.77	2.06	0.29	1.86	0.3	18.6	171
				A36-13	60-65	Tc: dark red brown ss	8.2	9	2.2	27.4	60.6	7.15	28.1	5.26	1.64	4.48	0.64	3.71	0.72	1.96	0.28	1.77	0.29	18.5	163

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A36-14	65-70	Tc: dark red brown ss	8.2	9.9	2.3	33	69.1	7.87	30.7	5.58	1.66	4.48	0.66	3.74	0.73	1.98	0.28	1.76	0.28	18.7	181
				A36-15	70-75	Tc: dark red brown ss	7.6	8.4	2	23.1	53	6.21	24.3	4.55	1.48	3.9	0.58	3.33	0.66	1.79	0.25	1.61	0.27	15.4	140
				A36-16	75-80	80% Tc: dark red brown ss; 20% Tsp: medium green	15.2	16	3.4	68.1	147	16	62.2	11.25	2.36	9.33	1.36	7.68	1.49	3.98	0.54	3.3	0.49	37.9	373
				A36-17	80-85	Tsp:90% white to light green; 10% dark red brown ss contam?	14.6	8.1	1.5	72.2	155	17.5	70	12.65	2.94	10.9	1.58	8.86	1.71	4.58	0.61	3.64	0.54	42.2	405
				A36-18	85-90	Tsp: white and light to medium green silicic	6.6	6.3	1.2	38.3	79.2	8.78	33.7	5.83	1.64	4.63	0.67	3.91	0.74	2	0.27	1.68	0.26	19	201
				A36-19	90-95	Tsp: white and light to medium green silicic	12.4	8	1.2	69.4	149.5	16.8	67.5	11.8	2.63	9.9	1.4	7.9	1.52	3.98	0.53	3.11	0.48	38.1	385
				A36-20	95-100	Tsp: white and light to medium green silicic	16.5	7.7	1.1	89.2	199.5	22.7	90.9	16.1	3.26	13.6	1.92	10.65	2.05	5.35	0.7	4.15	0.62	50.8	512
A37	241758	3781587	1412		0-5	Qal: various mostly white quartz																			0
					5-10	Qal: various mostly white quartz																			0
					10-15	Qal: various mostly white quartz																			0
					15-20	Qal: various mostly white quartz																			0
					20-25	80% Qal: 20% Tc: dark red brown ss																			0
				A37-6	25-30	Tc: dark red brown ss with 5% varicolored fragments	9.9	14.1	3.2	45	92.4	10.15	39.6	7	1.76	5.77	0.84	4.75	0.93	2.51	0.36	2.29	0.36	24.2	238
				A37-7	30-35	Tc: dark red brown ss with 5% varicolored fragments	10.1	14.9	3.2	46.9	94.6	10.65	40.7	7.26	1.82	5.91	0.84	4.76	0.96	2.62	0.37	2.3	0.37	24.9	245

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A37-8	35-40	Tc: dark red brown ss with 5% varicolored fragments	11.4	15.7	3.1	50.3	105.5	11.3	43.7	7.68	1.94	6.28	0.91	5.13	0.98	2.62	0.38	2.36	0.38	24.8	264
				A37-9	40-45	Tc: dark red brown ss with 5% varicolored fragments	12	17.7	4.4	56.4	118.5	12.55	47.9	8.49	1.99	6.93	0.98	5.6	1.06	2.89	0.4	2.55	0.4	27	294
				A37-10	45-50	Tc: dark red brown ss with 5% varicolored fragments	8.8	10.1	5.2	31.2	68.2	7.9	30.6	5.57	1.65	4.78	0.7	3.94	0.78	2.1	0.3	1.94	0.31	19.2	179
				A37-11	50-55	Tc: dark red brown ss with 5% varicolored fragments	8.4	8.5	2.6	25.5	57.4	6.83	26.5	4.94	1.47	4.01	0.59	3.43	0.66	1.8	0.26	1.64	0.27	16.6	152
				A37-12	55-60	Tc: dark red brown ss with 5% varicolored fragments	7.8	7.9	2.1	22.8	53.2	6.2	24.7	4.63	1.42	3.89	0.58	3.33	0.64	1.78	0.25	1.61	0.26	15.6	141
				A37-13	60-65	Tc: dark red brown ss with 5% varicolored fragments	7.5	7.6	2.1	21.8	50.1	5.97	23.6	4.45	1.43	3.85	0.57	3.3	0.65	1.76	0.25	1.6	0.26	15.4	135
				A37-14	65-70	Tc: dark red brown ss with 5% varicolored fragments	6.9	7.6	1.8	21.4	49.7	5.85	23.1	4.41	1.52	3.79	0.56	3.23	0.64	1.73	0.25	1.61	0.27	14.9	133
				A37-15	70-75	Tc: dark red brown ss with 5% varicolored fragments	7.3	9.3	2	28.1	60.8	7.07	27.7	4.93	1.56	4.17	0.6	3.35	0.66	1.77	0.25	1.64	0.27	17	160
				A37-16	75-80	Tc: dark red brown ss with 5% varicolored fragments	7.1	7.8	1.9	21.3	48.4	5.81	23	4.41	1.44	3.76	0.56	3.27	0.64	1.75	0.26	1.63	0.27	15	132
				A37-17	80-85	Tc: dark red brown ss with 5% varicolored fragments	7.4	7.9	1.8	22.4	50.9	6.12	24	4.56	1.45	3.78	0.57	3.24	0.63	1.77	0.25	1.62	0.26	15.6	137
				A37-18	85-90	Tc: dark red brown ss with 5% varicolored fragments, tr white and light green Tsp	7.2	8	1.8	21.2	49.6	5.83	22.9	4.37	1.42	3.68	0.55	3.19	0.63	1.69	0.24	1.59	0.26	14.4	132

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A37-19	90-95	70% Tsp: white and light green silicic; 30% Tc contamination	8.5	7.7	1.6	41.4	86.2	9.65	37	6.46	1.66	5.27	0.77	4.4	0.85	2.26	0.32	1.95	0.3	21.6	220
				A37-20	95-100	80% Tsp: white and light green silicic; 20%Tc contamination	10.3	7.7	1.3	53.8	118	13.15	52	9.28	2.1	7.54	1.09	6.15	1.18	3.13	0.42	2.49	0.38	28.3	299
A38	241747	3781614	1412		0-5	Qal: various mostly white quartz																			0
					5-10	Qal: various mostly white quartz																			0
					10-15	70% Qal; 30% Tc: dark red brown ss																			0
				A38-4	15-20	Tc: dark red brown ss with clays	9.2	14.5	2.5	42.3	86.3	9.73	36.2	6.98	1.76	5.38	0.81	4.58	0.87	2.43	0.34	2.13	0.32	23.1	223
				A38-5	20-25	Tc: dark red brown ss with clays	10.1	15.5	2.7	47.5	96.7	10.75	39.5	7.51	1.81	5.52	0.83	4.63	0.88	2.43	0.34	2.13	0.31	24.3	245
				A38-6	25-30	Tc: dark red brown ss with clays	8.3	13.1	2.4	37.7	76.6	8.69	32	6.13	1.71	4.83	0.71	4.04	0.76	2.14	0.3	1.84	0.27	19.5	197
				A38-7	30-35	Tc: dark red brown ss with clays	9.2	13.6	2.6	41	84.1	9.65	35	6.79	1.78	5.07	0.76	4.26	0.83	2.24	0.31	1.94	0.29	22.4	216
				A38-8	35-40	Tc: dark red brown ss with clays	9	11.2	2.5	32.9	70.4	8.43	31.2	5.76	1.41	4.83	0.68	3.68	0.69	1.97	0.27	1.76	0.26	19.9	184
				A38-9	40-45	Tc: dark red brown ss with clays	7.6	10.6	2.3	29.2	61.8	7.54	27.6	5.08	1.32	4.12	0.58	3.17	0.59	1.67	0.22	1.52	0.22	17.6	162
				A38-10	45-50	Tc: dark brown ss	7	10.6	2.7	29	61.3	7.64	27.6	5.03	1.78	4.26	0.6	3.18	0.61	1.74	0.23	1.56	0.24	17.1	162
				A38-11	50-55	Tc: dark brown ss	6.7	9.4	3.6	26.1	55.7	6.87	25.3	4.77	1.68	3.98	0.57	3.02	0.58	1.61	0.22	1.47	0.22	17.3	149
				A38-12	55-60	Tc: dark brown ss	6.5	7.6	2.4	20.4	45.7	5.83	22.1	4.22	1.28	3.68	0.53	2.9	0.54	1.56	0.21	1.44	0.21	14.7	125
				A38-13	60-65	Tc: Dark red brown ss	7.4	9.3	2.4	26.2	56.3	7.03	25.9	4.9	1.37	4.42	0.62	3.3	0.62	1.76	0.24	1.57	0.24	18.1	153
				A38-14	65-70	Tc: Dark red brown ss	5.8	7.6	2.2	19.8	44.2	5.63	21.1	4.08	1.47	3.7	0.53	2.84	0.54	1.6	0.22	1.45	0.23	14.7	122
				A38-15	70-75	Tc: Dark red brown ss	6.4	7.5	1.9	23.2	50.4	6.39	23.6	4.44	1.37	3.7	0.53	2.86	0.55	1.54	0.21	1.37	0.2	16	136

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A38-16	75-80	Tc: Dark red brown ss	6.1	6.7	1.7	17.8	41.5	5.11	19.7	3.97	1.29	3.53	0.52	2.8	0.52	1.51	0.21	1.4	0.21	13.8	114
				A38-17	80-85	Tc: Dark red brown ss	7.3	9.2	2	24.6	52.7	6.72	25.2	4.72	1.37	4.03	0.58	3.12	0.61	1.69	0.23	1.53	0.23	17.5	145
				A38-18	85-90	Tc: Dark red brown ss	6.9	9	2	26.1	55.4	6.93	25.2	4.69	1.39	3.8	0.56	3	0.55	1.6	0.21	1.41	0.21	16.6	148
				A38-19	90-95	Tc: Dark red brown ss	6.2	8.5	1.9	21	46.6	6.04	22.2	4.2	1.33	3.79	0.54	2.91	0.55	1.61	0.22	1.45	0.22	15	128
				A38-20	95-100	Tc: Dark red brown ss	6.4	7.7	1.8	22.6	50.6	6.33	23.6	4.38	1.27	3.68	0.53	2.89	0.55	1.58	0.22	1.42	0.21	15.3	135
A39	241726	3781637	1413		0-5	Qal: white, light to medium gray, red brown and various																			0
					5-10	Qal: white, light to medium gray, red brown and various																			0
					10-15	Qal: white, light to medium gray, red brown and various																			0
					15-20	80% Qal: 20%Tc: light to medium brown ss and clays																			0
				A39-5	20-25	Tc: dark red brown ss and clay	13.5	25.2	4.4	68.4	133.5	15.7	55.5	9.77	1.76	7.8	1.1	5.82	1.08	3.14	0.41	2.8	0.4	33.1	340
				A39-6	25-30	Tc: dark red brown ss and clay	10	21.3	3.6	55.5	108.5	12.7	44.5	7.84	1.49	6.37	0.94	5.1	0.97	2.8	0.39	2.62	0.39	29.8	280
				A39-7	30-35	Tc: dark red brown ss and clay	12.1	23.7	4	63.5	122	14.3	50.2	8.97	1.61	7.11	1.05	5.49	1.06	3.05	0.42	2.8	0.41	34.1	316
				A39-8	35-40	Tc: dark red brown ss and clay	12.4	22.7	4.1	62.5	127	14.9	53.2	9.49	1.58	8.05	1.17	6.28	1.2	3.5	0.48	3.08	0.46	37.2	330
				A39-9	40-45	Tc: dark red brown ss and clay	13.7	25.4	4.6	72.3	145	16.9	59.8	10.45	1.86	8.64	1.25	6.71	1.25	3.57	0.48	3.23	0.47	37.9	370
				A39-10	45-50	Tc: dark red brown ss and clay	11.4	20.9	3.6	58.1	114.5	13.55	48.9	8.82	1.7	7.21	1.04	5.45	1.03	2.96	0.4	2.65	0.39	32.4	299
				A39-11	50-55	Tc: dark red brown ss and clay; mostly fines in cuttings	9.4	12.9	3.5	39.4	84.3	9.85	35.9	6.44	1.45	5.06	0.7	3.89	0.72	2.08	0.28	1.83	0.26	23.2	215

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				A39-12	55-60	Tc: dark red brown ss and clay; mostly fines in cuttings	8.8	12.5	4	36.9	79.2	9.31	33.7	6.06	1.45	5.02	0.71	3.8	0.7	2.04	0.28	1.84	0.27	21.1	202
				A39-13	60-65	Tc: dark red brown ss and clay; mostly fines in cuttings	11.3	17.9	4.1	56.1	111	12.65	45.5	7.71	1.57	6.16	0.86	4.51	0.83	2.32	0.31	2.07	0.31	26	278
				A39-14	65-70	Tc: dark red brown ss and clay; mostly fines in cuttings	7.8	10.8	2.4	30.6	64.9	7.99	28.6	5.31	1.34	4.4	0.63	3.27	0.61	1.74	0.24	1.56	0.23	19.2	171
				A39-15	70-75	Tc: dark red brown ss and clay; mostly fines in cuttings	9	13.3	2.6	35.5	83.2	9.37	34.1	6.48	1.2	4.73	0.69	3.92	0.75	2.04	0.3	1.93	0.3	20.5	205
				A39-16	75-80	Tc: dark red brown ss and clay; mostly fines in cuttings	9.8	15.1	3.5	43.2	90.3	10.8	38.7	6.73	1.52	5.47	0.77	4.14	0.79	2.23	0.3	2	0.29	22.5	230
				A39-17	80-85	Tc: dark red brown ss and clay; mostly fines in cuttings	8.3	12.1	3.3	33.1	70.1	8.5	30	5.46	1.39	4.64	0.65	3.43	0.66	1.86	0.26	1.7	0.25	19	181
				A39-18	85-90	Tc: dark red brown ss and clay; mostly fines in cuttings	6.7	9.4	2.3	25.4	55.1	6.76	24.5	4.61	1.33	3.93	0.56	3.02	0.58	1.63	0.22	1.5	0.22	16.9	146
				A39-19	90-95	Tc: dark red brown ss and clay; mostly fines in cuttings	6.8	10.6	2.7	30.7	65.4	7.72	28.2	5.11	1.4	4.52	0.63	3.32	0.62	1.83	0.24	1.61	0.24	18.7	170
				A39-20	95-100	Tc: dark red brown ss and clay; mostly fines in cuttings	7.5	10.5	2.6	29	63.2	7.7	28	5.27	1.44	4.33	0.61	3.36	0.64	1.84	0.24	1.66	0.25	17.7	165
B1	242483	3781108	1458		0-5	Qal:																			0
					5-10	Qal: ; minor Tsp																			0
				B1-3	10-15	Tsp: 80% red brown hematitic; 20% white green yellow gray	8.6	11.2	2.1	35	75.7	8.12	29.5	5.49	1.57	4.79	0.65	3.47	0.71	2	0.28	1.8	0.28	21.9	191
				B1-4	15-20	Tsp: 80% red brown hematitic; 20% white green yellow gray	8.7	10	1.9	36.5	76.6	8.32	29.9	5.67	1.69	4.86	0.67	3.5	0.72	1.99	0.28	1.77	0.28	22.9	196

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				B1-5	20-25	Tsp: 70% red brown hematitic; 30% white green	9	8	1.9	30.4	66.8	7.19	26.3	4.96	1.4	4.53	0.61	3.17	0.66	1.83	0.25	1.63	0.25	20	170
				B1-6	25-30	Tsp: 70% red brown hematitic; 30% white green	8.5	8.8	2	41	77	8.92	33.7	6.37	1.77	5.07	0.76	4.33	0.83	2.27	0.31	2.07	0.32	22.1	207
				B1-7	30-35	Tsp: 70% red brown hematitic; 30% white green	9.5	11.8	2.5	46.2	86.7	9.88	36.9	6.95	1.87	5.62	0.82	4.58	0.88	2.41	0.34	2.22	0.35	23.8	230
				B1-8	35-40	Tsp: 60% red brown hematitic; 40% white green	9.2	10.7	2.2	46.1	87.6	9.86	37.2	6.83	1.79	5.59	0.82	4.62	0.88	2.44	0.33	2.18	0.34	23.6	230
				B1-9	40-45	Tsp: 70% red brown hematitic; 30% white green	9.3	10.8	2.3	41.6	82.5	9.4	35.7	6.76	1.77	5.66	0.83	4.69	0.92	2.53	0.35	2.29	0.35	23.9	219
				B1-10	45-50	Tsp: 40% green; 30% red browm hematitic' 30% white, various	9.9	9.7	2.1	47.2	92.7	10.5	40.2	7.42	1.95	6.33	0.92	5.11	0.98	2.68	0.36	2.33	0.36	25.5	245
				B1-11	50-55	Tsp: 40% green; 30% red browm hematitic' 30% white, various	9.5	9.9	2.1	45.3	87	9.94	37.5	6.97	1.88	6.01	0.86	4.83	0.93	2.58	0.35	2.3	0.35	24.9	232
				B1-12	55-60	Tsp: 40% green; 30% red browm hematitic' 30% white, various	9.9	12	2.1	51.1	98.1	11.15	42.1	7.67	1.93	6.51	0.95	5.36	1.04	2.82	0.38	2.53	0.38	27.5	260
				B1-13	60-65	Tsp: 40% green; 30% red browm hematitic' 30% white, various	9.5	10.3	2	47.7	91.1	10.55	39.8	7.38	1.91	6.31	0.92	5.13	0.99	2.73	0.36	2.41	0.36	26.2	244
				B1-14	65-70	Tsp: 50% green; 30% red brown hematitic; 20% orange yellow quartz; 10% white limonitic	9.5	8.5	1.9	40.2	80.8	9.19	35.2	6.68	1.8	5.71	0.83	4.7	0.93	2.53	0.35	2.26	0.34	24.2	216

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				B1-15	70-75	Tsp: 50% green; 30% red brown hematitic; 20% orange yellow quartz; 10% white limonitic	9.9	11.6	2	54.3	104	11.55	43.5	8.1	2.08	7.04	1.03	5.87	1.15	3.12	0.43	2.8	0.43	29.9	275
				B1-16	75-80	Tsp: 50% green; 30% red brown hematitic; 20% orange yellow quartz; 10% white limonitic	9.4	9.1	1.7	46	90.1	10.15	38.6	7.13	1.96	6.02	0.88	4.93	0.96	2.6	0.36	2.33	0.35	25.2	238
				B1-17	80-85	Tsp: 50% green; 30% red brown hematitic; 20% orange yellow quartz; 10% white limonitic	10.8	10.6	1.9	51.1	100.5	11.3	42.8	7.93	2.12	6.92	1	5.52	1.06	2.86	0.39	2.54	0.38	26.8	263
				B1-18	85-90	Tsp: 40% yellow brown; 40% white; 20% light green lm	5.2	8.9	1.6	33.8	63.3	6.91	25.3	4.51	1.45	3.88	0.55	2.99	0.57	1.54	0.21	1.44	0.23	15.1	162
				B1-19	90-95	Tsp: 40% green; 40% white and gray; 20% yellow brown	12.3	7.6	2.1	29.7	53.7	6.05	21.9	3.94	1.38	3.71	0.55	3.18	0.63	1.82	0.26	1.77	0.27	16	145
				B1-20	95-100	Tsp: 40% green; 40% white and gray; 20% yellow brown	11.3	8.5	1.9	26.8	47.1	5.05	17.9	3.08	1.12	2.87	0.43	2.58	0.52	1.52	0.23	1.6	0.24	13.5	125
B2	242471	3781129	1457		0-5	Qal:																			0
				B2-2	5-10	Tsp:	10	5.1	1.4	46.6	92	10.6	41.7	7.93	2.67	7.4	1.04	5.8	1.14	3.13	0.43	2.84	0.45	29.5	253
				B2-3	10-15	Tsp:	10.8	5.9	1.5	43.9	86.4	9.77	37.5	6.94	2.24	6.53	0.93	5.21	1.02	2.81	0.39	2.49	0.38	26	233
				B2-4	15-20	Tsp:	13.5	3.3	0.8	56.9	112.5	12.55	50.7	9.36	3.07	8.84	1.2	6.6	1.28	3.46	0.45	2.87	0.43	32.8	303
				B2-5	20-25	Tsp:	14.5	4.4	1	53.7	108.5	12.2	49.4	9.08	2.91	8.59	1.2	6.58	1.28	3.53	0.46	2.96	0.45	32.2	293
				B2-6	25-30	Tsp:	14.5	3.7	0.9	62.8	127	14.6	59.4	11.2	3.38	10.45	1.46	8.06	1.57	4.24	0.55	3.53	0.52	39.7	348
				B2-7	30-35	Tsp:	15.1	3.8	0.9	67.8	134.5	15.4	62.1	11.7	3.74	11.35	1.57	8.61	1.62	4.42	0.58	3.66	0.55	40.6	368
				B2-8	35-40	Tsp:	16.4	4.3	0.8	67.5	137.5	15.55	62.3	11.95	3.35	11.75	1.67	9.28	1.82	5.01	0.67	4.14	0.61	45.2	378
				B2-9	40-45	Tsp:	17.9	4.4	0.7	76.8	146.5	16.9	66.3	12.7	3.53	12.85	1.8	9.93	1.93	5.28	0.7	4.44	0.65	48.1	408
				B2-10	45-50	Tsp:	19.1	4.6	0.7	82.5	161.5	18.4	72.4	14.1	3.82	14.15	1.99	11.1	2.12	5.81	0.78	5	0.74	52.7	447
				B2-11	50-55	Tsp:	18.4	4.6	0.8	74.9	150	17.05	68.3	13	3.54	12.4	1.75	9.7	1.88	5.09	0.68	4.27	0.63	46.3	409
				B2-12	55-60	Tsp:	19.2	5.1	0.8	66.5	129	14.7	59.4	11.65	3.29	11.5	1.65	9.21	1.81	4.92	0.65	4.14	0.63	45	364
				B2-13	60-65	Tsp:	21.2	3.6	0.7	60.1	117.5	13.15	53.1	10.1	3.11	9.99	1.38	7.64	1.48	4.03	0.53	3.41	0.51	37.3	323

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B2-14	65-70	Tsp:	17	3.2	0.7	66.1	131.5	14.9	60.5	11.3	3.47	10.5	1.45	7.98	1.54	4.18	0.55	3.42	0.52	38.4	356
				B2-15	70-75	Tsp:	14.9	3.6	0.7	70.1	140	15.85	63.6	11.95	3.91	11.4	1.57	8.5	1.61	4.37	0.58	3.65	0.55	39.3	377
				B2-16	75-80	Tsp:	18.4	3.7	0.7	60.6	121	13.6	54.6	10.75	2.98	10.65	1.56	8.85	1.74	4.9	0.65	4.15	0.62	44.1	341
				B2-17	80-85	Tsp:	15.6	3.3	1	66.2	128	14.9	60.1	11.2	3.52	10.45	1.49	8.13	1.58	4.32	0.58	3.71	0.55	40.6	355
				B2-18	85-90	Tsp:	18.5	4.4	0.8	66.1	131.5	14.7	58.9	11.5	3.47	11.5	1.63	9.03	1.76	4.87	0.64	4.16	0.62	43.3	364
				B2-19	90-95	Tsp:	7	6.7	1.3	39.3	71.6	8.2	31.4	5.69	1.78	4.92	0.67	3.57	0.68	1.78	0.24	1.56	0.24	17.7	189
				B2-20	95-100	Tsp:	3.7	7.8	1.4	24.2	42.1	4.38	15.4	2.54	1.07	2.24	0.32	1.79	0.35	1.01	0.15	1.02	0.17	9.9	107
B3	242457	3781156	1457	B3-1	0-5	Tsp:	12.4	3.8	0.9	68.6	138	15.85	61.9	12	2.83	9.31	1.19	6.36	1.23	3.28	0.44	2.69	0.41	37.2	361
				B3-2	5-10	Tsp:	13.2	4	0.8	73.5	145.5	16.6	64.3	12.45	3.07	9.94	1.27	6.86	1.34	3.62	0.49	2.94	0.45	40.3	383
				B3-3	10-15	Tsp:	11.6	2.9	0.6	46.7	97.2	11.2	43.9	8.63	2.07	6.89	0.9	4.85	0.95	2.55	0.34	2.06	0.3	28	257
				B3-4	15-20	Tsp:	13.3	3.1	0.7	64.6	133	16.8	66.7	12.25	3.17	10.3	1.52	7.79	1.54	4.32	0.59	3.34	0.48	36.7	363
				B3-5	20-25	Tsp:	12.3	3.2	0.6	61.1	131.5	16.5	65.7	11.9	3.08	9.8	1.47	7.47	1.47	4.13	0.58	3.18	0.48	34.4	353
				B3-6	25-30	Tsp:	14.7	3.5	0.7	82.7	172	21.6	86.6	15.4	4.01	13.05	1.84	9.28	1.82	5.05	0.7	3.85	0.57	43.9	462
				B3-7	30-35	Tsp:	12.7	3.2	0.6	62.6	132	16.5	67.2	12.3	3.41	10.15	1.46	7.58	1.49	4.14	0.58	3.21	0.49	35.2	358
				B3-8	35-40	Tsp:	17.2	2.2	0.5	36.3	78.7	10.2	41	7.75	2.22	6.77	1.01	5.31	1.07	3.09	0.43	2.43	0.36	25.9	223
				B3-9	40-45	Tsp:	18.3	3	0.8	61.5	128	16.2	65.7	12.1	3.23	10.45	1.49	7.62	1.51	4.24	0.58	3.3	0.48	36.6	353
				B3-10	45-50	Tsp:	14.7	3.1	0.6	57.9	127	15.7	63.1	11.55	3.28	10.15	1.48	7.59	1.52	4.29	0.59	3.36	0.5	35.5	344
				B3-11	50-55	Tsp:	14.2	4.6	0.9	60.4	127	16.05	63.9	11.6	2.96	9.71	1.43	7.35	1.46	4.14	0.57	3.18	0.48	35	345
				B3-12	55-60	Tsp:	14.4	4.7	1	77.7	160	20.3	82.9	14.75	3.5	12.15	1.74	8.8	1.72	4.64	0.63	3.42	0.5	40.7	433
				B3-13	60-65	Tsp:	14.5	3.7	0.8	83.8	171.5	21.4	86.1	15.35	4.15	12.65	1.78	9.02	1.76	4.81	0.65	3.6	0.53	42.3	459
				B3-14	65-70	Tsp:	14.3	3.5	0.6	76.9	163.5	20.4	82.6	15.15	4.07	12.45	1.82	9.14	1.81	5.05	0.69	3.81	0.57	42.3	440
				B3-15	70-75	Tsp:	14	3.8	0.7	77.2	159	19.3	76.9	13.8	3.66	11.95	1.72	8.79	1.77	5.06	0.7	3.9	0.59	42.2	427
				B3-16	75-80	Tsp:	16.7	3.9	0.6	70.4	144.5	17.5	69.5	12.95	3.27	11.85	1.8	9.44	1.92	5.61	0.8	4.5	0.67	46.7	401
				B3-17	80-85	Tsp:	22.1	3.1	0.5	44.4	91.6	11.8	49.1	10.25	2.99	9.5	1.47	7.87	1.62	4.59	0.66	3.83	0.57	39.6	280
				B3-18	85-90	Tsp:	19.4	6.1	0.9	65.5	135	16.75	66.7	12.75	3.24	11.4	1.73	9.12	1.84	5.29	0.74	4.25	0.64	44.9	380
				B3-19	90-95	Tsp:	4.3	8.3	1.4	26.5	50.1	6.14	22.3	3.86	1.19	3.11	0.46	2.4	0.49	1.43	0.21	1.3	0.21	12.7	132
				B3-20	95-100	Tsp:	3.6	8.7	1.6	28.8	51	6.12	21.7	3.63	1.17	3	0.43	2.19	0.44	1.3	0.2	1.19	0.19	11.7	133
B4	242443	3781185	1458	B4-1	0-5	Tsp:	13.9	3.9	0.8	57.6	120.5	14.9	60.9	11.2	3.01	9.4	1.35	6.96	1.4	3.93	0.55	3.1	0.47	33.6	329
				B4-2	5-10	Tsp:	8.4	3	0.5	27.8	55.8	7.22	27.3	4.99	1.55	4.09	0.61	3.22	0.65	1.83	0.27	1.55	0.23	16.1	153
				B4-3	10-15	Tsp:	10.2	2.4	0.5	30	60.3	7.95	31.5	5.83	1.82	5.09	0.75	3.79	0.76	2.18	0.3	1.69	0.26	18.3	171
				B4-4	15-20	Tsp:	14.2	3.5	0.6	70.9	150	19	76.9	14.15	3.49	11.85	1.71	8.61	1.69	4.7	0.63	3.53	0.52	40.7	408
				B4-5	20-25	Tsp:	12.7	3.2	0.6	67.6	137	17.2	69.7	12.45	3.52	10.55	1.51	7.6	1.51	4.16	0.57	3.21	0.48	36.4	373
				B4-6	25-30	Tsp:	14.2	3	0.6	68.2	142	17.75	71.2	12.7	3.64	10.6	1.56	7.93	1.58	4.41	0.6	3.38	0.5	37.4	383
				B4-7	30-35	Tsp:	13.9	2.9	0.5	51.9	106.5	13.3	53.8	9.76	2.76	8.23	1.19	6.14	1.21	3.39	0.46	2.62	0.39	28.4	290
				B4-8	35-40	Tsp:	16	3.5	0.6	57.3	116.5	14.75	59.9	10.9	2.96	9.42	1.34	6.76	1.33	3.61	0.49	2.75	0.4	31.5	320
				B4-9	40-45	Tsp:	18.2	2.7	0.5	71.7	151.5	19.25	78.6	14.55	3.98	12.8	1.82	9.22	1.83	5.09	0.69	3.9	0.59	43.8	419
				B4-10	45-50	Tsp:	16.4	2.5	0.6	77.6	168	21	84	15.4	4.28	12.9	1.86	9.43	1.86	5.2	0.72	3.97	0.6	44.4	451
				B4-11	50-55	Tsp:	9.3	2.9	0.5	38.5	78.6	10.15	39.6	7.15	2.17	5.99	0.87	4.4	0.87	2.4	0.33	1.84	0.28	20.6	214
				B4-12	55-60	Tsp:	8	2.6	0.4	37.1	79.9	10.2	40.3	7.34	2.26	6.11	0.88	4.42	0.87	2.39	0.32	1.78	0.27	20.5	215
				B4-13	60-65	Tsp:	13.4	2.8	0.5	66.8	143	17.95	73.1	13.4	3.77	11.55	1.65	8.41	1.65	4.55	0.62	3.41	0.51	38.5	389
				B4-14	65-70	Tsp:	16.1	3.8	1	68.1	142.5	17.85	71.9	13.35	3.67	11.35	1.61	8.05	1.58	4.25	0.58	3.2	0.47	38	386
				B4-15	70-75	Tsp:	24.1	3.9	1.2	78.8	192.5	25.4	114	24.2	6.88	22.1	3.3	18.2	3.4	9.57	1.2	7.2	1.08	69.2	577
				B4-16	75-80	Tsp:	14.2	2.9	0.4	75.1	157.5	19.35	82	15.6	4.57	13.55	1.9	10.25	1.86	5.17	0.65	3.84	0.58	45	437
				B4-17	80-85	Tsp:	15.5	3.4	0.5	79.1	165.5	20.4	87.5	16.75	4.81	14.4	2.02	10.9	2	5.56	0.69	4.11	0.63	48.5	463
				B4-18	85-90	Tsp:	13.6	3.7	0.7	78	159.5	19.45	82	15.6	4.35	13.15	1.86	10.15	1.86	5.21	0.66	3.89	0.59	46.2	442
				B4-19	90-95	Tsp:	16.5	3.7	0.6	80.8	162	19.55	80	15.55	3.81	14	2.07	11.7	2.2	6.34	0.83	5.05	0.75	55.1	460
				B4-20	95-100	Tsp:	17.2	3.9	0.6	86	172	20.4	84.5	16.55	3.88	14.9	2.2	12.45	2.36	6.73	0.88	5.3	0.8	57.5	486

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
B5	242431	3781209	1466	B5-1	0-5	Tsp: 65% medium green gray cuttings (coarse)35% dark red brown hematitic, siliceous	17	4.5	0.9	75.1	158.5	19.75	74	13.6	3.51	12.75	1.79	9.12	1.72	5.06	0.62	3.88	0.54	44.6	425
				B5-2	5-10	Tsp: 90% medium green gray; 10% dark red brown hm, siliceous	17	2.9	0.6	74	157.5	19.4	72.9	13.3	3.8	12.5	1.75	8.9	1.69	5.02	0.61	3.87	0.55	43.1	419
				B5-3	10-15	Tsp: 90% light to medium green, 10% dark red brown and yellow, silicic	9.8	5.7	0.7	53.8	99.5	10.95	40.6	6.88	2.04	6.21	0.85	4.15	0.78	2.33	0.29	1.76	0.25	21.6	252
				B5-4	15-20	Tsp: 95% light to medium green; 5% red and yellow, hm and lm, silicic	16.8	3.1	0.5	76.3	162	19.85	74.5	13.45	3.98	12.65	1.78	9.02	1.7	5.02	0.61	3.79	0.54	42.9	428
				B5-5	20-25	Tsp: 90% light to medium green; 10%red and yellow hm, lm silicic	20.4	2.8	0.5	63.5	133	16.6	63.1	11.4	3.28	10.9	1.54	7.8	1.48	4.27	0.52	3.23	0.45	37.7	359
				B5-6	25-30	Tsp: 95% light to medium green and gray; 5% red and yellow-tan tr black metallic (specularite?) silicic	21	2	0.5	49.1	103	12.4	49.6	9.09	2.85	9.1	1.29	6.67	1.26	3.66	0.45	2.87	0.4	33	285
				B5-7	30-35	Tsp: 95% light to medium green and gray; 5% red and tan, tr. Epidote, silicic	21.9	1.7	0.5	30.2	60	7.34	29	5.56	1.93	5.6	0.81	4.22	0.8	2.34	0.29	1.87	0.26	22.7	173
				B5-8	35-40	Tsp: 90% light to medium green; 10% red brown, hm, silicic	19.3	2.8	0.6	55.2	116	13.95	55.6	10.35	3.14	10.1	1.4	7.13	1.38	3.99	0.49	3.09	0.43	36.8	319

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B5-9	40-45	Tsp: 90% light to medium green gray; 10% red hm, silicic	20.3	3.9	0.8	56.6	118	14.15	55.7	10.25	2.88	10.2	1.44	7.49	1.44	4.26	0.52	3.31	0.47	36.7	323
				B5-10	45-50	Tsp: 90% light to medium green gray; 10% red hm and lm	18.4	4.3	0.7	72.4	152.5	18.7	70.3	12.85	3.33	12.2	1.72	8.84	1.67	4.93	0.6	3.76	0.52	42.6	407
				B5-11	50-55	Tsp: 90% light and medium green, 10% hm and lm	16	3.2	0.7	64.4	138.5	17.35	64.7	11.85	3.32	10.85	1.52	7.69	1.45	4.27	0.51	3.21	0.45	37	367
				B5-12	55-60	Tsp: 95% light and medium green with some tan; 5% hm and lm	13.1	3.2	0.6	46.8	99.2	11.85	47.2	8.55	2.56	7.93	1.09	5.46	1.03	2.96	0.35	2.25	0.32	27.3	265
				B5-13	60-65	Tsp: 85% light and medium green and tan; 15% red brown and yellow, hm and lm	18.3	2.3	0.5	51.1	123	13.85	55.9	10.6	2.92	8.47	1.28	6.75	1.25	3.56	0.44	2.66	0.38	30	312
				B5-14	65-70	Tsp: 60% light green and tan; 30% dark gray; 10% red and yellow hm and lm; after? Metallic sulfides	18.6	1.9	0.5	31.1	77.3	8.95	34.8	6.91	2.63	7.76	1.17	6.21	1.17	3.24	0.42	2.57	0.37	27.3	212
				B5-15	70-75	Tsp: 60% light to medium green; 30% light tqan; 2% hm and lm	15	2.4	0.6	49.5	122.5	14.2	54.4	10.45	3.63	11.15	1.6	8.18	1.5	4.22	0.53	3.13	0.47	35.9	321
				B5-16	75-80	Tsp: 60% light to medium green; 30% light tan; clear to translucent; epidote, 1% hm	17.5	3.1	0.6	61.1	153	17.6	65.3	12.4	3.69	13.3	1.94	9.69	1.79	5	0.63	3.76	0.55	42.6	392
				B5-17	80-85	Tsp: 70% light and medium green; 25% tan and translucent, 2% hm and lm, epidote	17.3	3.5	0.8	68.9	164	18.8	69.4	12.95	3.85	13.65	1.93	9.48	1.75	4.93	0.63	3.74	0.54	44.6	419

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B5-18	85-90	Tsp: 35% light and medium green; 60% white and translucent quartz?; 5% hm and lm	7.7	6.2	1.3	27.1	62.3	6.74	24.6	4.47	1.49	4.72	0.69	3.47	0.66	1.92	0.26	1.54	0.22	17.8	158
				B5-19	90-95	Tsp: 70% white and light tan; 20% light and medium green; 5% hm and lm after? Sulfide, hm	3.7	8	1.6	26.9	53.4	5.5	18.5	3.11	1.09	3.18	0.45	2.19	0.41	1.21	0.17	1.11	0.16	12.4	130
				B5-20	95-100	Tsp: 80% white and light tan; 15% light and medium green; 3% hm	3	7.8	1.5	23.2	45.4	4.67	15.7	2.58	0.95	2.69	0.37	1.83	0.35	0.99	0.14	0.88	0.13	10.1	110
B6	242417	3781238	1454	B6-1	0-5	Tsp:	19.5	3.5	0.8	48.7	120	13.55	52	10.3	3.03	11.15	1.66	8.73	1.68	4.8	0.62	3.75	0.53	40.3	321
				B6-2	5-10	Tsp:	12.7	3.3	0.9	55.1	135	15.75	63.1	12.25	3.07	10.95	1.64	8.47	1.57	4.23	0.55	3.2	0.45	40.6	356
				B6-3	10-15	Tsp:	16.4	3.3	0.8	46.5	116.5	13.4	51.4	9.99	2.9	10.6	1.56	7.85	1.47	4.06	0.51	3.08	0.45	35	305
				B6-4	15-20	Tsp:	15.7	3.7	0.8	61.4	151.5	17.9	66.9	12.95	3.61	13.6	1.97	10	1.87	5.1	0.65	3.81	0.55	43.7	396
				B6-5	20-25	Tsp:	12.4	2.1	0.4	47.7	113	12.75	49.5	9.29	2.88	9.43	1.39	6.99	1.29	3.6	0.47	2.77	0.4	33.3	295
				B6-6	25-30	Tsp:	15.8	2.4	0.6	53.9	133.5	15.35	57.5	11.1	3.72	11.75	1.69	8.7	1.61	4.41	0.57	3.42	0.49	39.6	347
				B6-7	30-35	Tsp:	16.8	2.8	0.5	57.4	144	16.8	63	12.05	3.81	12.8	1.86	9.31	1.75	4.79	0.61	3.6	0.53	40.8	373
				B6-8	35-40	Tsp:	16.6	3.5	0.7	55	130.5	14.95	55.8	10.35	3.48	11.05	1.58	7.78	1.45	4.06	0.52	3.05	0.45	35.8	336
				B6-9	40-45	Tsp:	15.2	2.7	0.7	49.2	121.5	13.9	51.9	9.98	3.26	10.4	1.5	7.6	1.41	4.02	0.52	3.02	0.43	34.6	313
				B6-10	45-50	Tsp:	5.6	6.4	1.1	24.5	54.2	6.01	22.2	4.04	1.5	4.16	0.6	3.01	0.56	1.58	0.21	1.27	0.19	15.2	139
				B6-11	50-55	Tsp:	4.1	7.4	1.3	26	53.4	5.61	19.5	3.3	1.32	3.48	0.49	2.4	0.45	1.3	0.17	1.1	0.16	12.6	131
				B6-12	55-60	Tsp:	4.2	7.4	1.4	27.9	56.3	5.87	20.2	3.39	1.35	3.43	0.47	2.45	0.47	1.32	0.18	1.17	0.17	12.8	137
				B6-13	60-65	Tsp:	7.9	7.9	1.6	39.1	83.9	8.95	31.6	5.71	2.01	6.02	0.89	4.71	0.9	2.58	0.36	2.17	0.31	24.5	214
				B6-14	65-70	Tsp:	4.5	8.9	1.8	31.4	63.5	6.66	22.8	3.92	1.5	3.9	0.56	2.87	0.55	1.59	0.22	1.39	0.2	15.7	157
				B6-15	70-75	Tsp:	4.2	6.3	1.5	23.6	48.8	5.22	18	3.13	1.36	3.03	0.43	2.18	0.41	1.17	0.17	1.02	0.16	11.5	120
				B6-16	75-80	Tsp:	4.5	6.6	1.6	25.4	51.4	5.76	20.5	3.6	1.42	3.54	0.5	2.57	0.47	1.34	0.18	1.09	0.16	13.5	131
				B6-17	80-85	Tsp:	4.4	7.6	1.2	26.6	53.9	5.86	20.6	3.65	1.4	3.64	0.52	2.69	0.51	1.46	0.2	1.2	0.18	13.9	136
				B6-18	85-90	Tsp:	9.6	5.6	1.7	39	92.2	10.2	38.1	7.04	2.39	7.1	1.05	5.39	1.02	2.86	0.38	2.33	0.34	26.1	236
				B6-19	90-95	Tsp:	13.7	4.1	1.3	52.2	127.5	14.45	56	10.6	3.54	10.8	1.57	7.86	1.46	4.14	0.55	3.34	0.49	36.1	331
				B6-20	95-100	Tsp:	5.5	6.1	1.2	22.5	48.3	5.4	19.7	3.54	1.43	3.51	0.52	2.72	0.51	1.44	0.2	1.25	0.18	13.3	125
B7	242401	3781264	1447	B7-1	0-5	Tsp:	15.7	3.6	0.7	52.2	120.5	13.15	51.1	9.85	2.65	10.3	1.51	8	1.49	4.13	0.54	3.19	0.46	38.6	318
				B7-2	5-10	Tsp:	17.9	3.1	0.6	47.4	111.5	12.55	47.7	9.2	2.55	9.84	1.47	7.67	1.47	4.13	0.55	3.29	0.47	37	297
				B7-3	10-15	Tsp:	16.4	3.4	0.6	66	152.5	17.5	65.8	12.1	3.33	12.25	1.77	8.8	1.64	4.61	0.59	3.49	0.5	42.1	393
				B7-4	15-20	Tsp:	19.1	2.5	0.6	43.3	107	11.8	45.9	8.89	2.81	9.52	1.4	7.26	1.4	3.87	0.51	2.97	0.42	34.7	282
				B7-5	20-25	Tsp:	14.1	2.7	0.6	53.9	134	14.9	57.8	10.95	3.58	11.3	1.67	8.56	1.59	4.46	0.58	3.36	0.49	39.5	347
				B7-6	25-30	Tsp:	17.8	3.2	0.7	48	117	13.05	51	9.91	2.94	10.6	1.58	8.15	1.54	4.36	0.58	3.38	0.49	38.3	311
				B7-7	30-35	Tsp:	13.7	3.8	0.9	39.5	85.7	10.1	39.6	7.27	2.31	6.92	1.04	5.08	1.02	2.78	0.36	2.02	0.32	26	230
				B7-8	35-40	Tsp:	16.3	3.5	0.8	57.5	135	15.5	60.8	11.25	2.96	10.9	1.66	8.08	1.62	4.4	0.56	3.23	0.48	39.6	354
				B7-9	40-45	Tsp:	19.5	3.2	0.5	71.6	162.5	18.45	72.2	13.75	3.29	13.8	2.16	10.75	2.22	6.15	0.79	4.6	0.7	54	437

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B7-10	45-50	Tsp:	17.1	3.4	0.6	74.9	176	20.6	78	13.8	3.62	13.1	1.95	9.21	1.85	4.9	0.6	3.57	0.54	44.9	448
				B7-11	50-55	Tsp:	19.2	2.8	0.7	51.8	120	14	55.7	10.25	2.66	9.98	1.48	7.13	1.46	3.9	0.48	2.82	0.42	36	318
				B7-12	55-60	Tsp:	15.8	3.2	0.6	58.8	136	15.15	58.5	10.7	2.75	10.65	1.59	7.81	1.58	4.32	0.56	3.32	0.5	39.1	351
				B7-13	60-65	Tsp:	18.1	4.5	0.6	71.9	163.5	18.25	71.1	12.85	3.13	13	1.96	9.81	2.04	5.6	0.75	4.38	0.67	51.1	430
				B7-14	65-70	Tsp:	17.3	4	0.7	61.9	140.5	15.65	60	11.1	2.86	11.15	1.71	8.61	1.75	4.91	0.64	3.83	0.56	43.7	369
				B7-15	70-75	Tsp:	17.7	4.6	0.6	67.4	155	17.55	68.2	12.25	3.2	12.05	1.84	8.89	1.82	4.95	0.64	3.81	0.57	44.7	403
				B7-16	75-80	Tsp:	15.2	5.1	0.8	70.2	163.5	19.05	74	13.15	3.57	12.85	1.88	8.85	1.77	4.77	0.6	3.44	0.53	43.9	422
				B7-17	80-85	Tsp:	20.4	5.7	0.8	70.5	168	18.9	73.5	13.6	3.13	13.6	2.07	10.1	2.08	5.77	0.75	4.38	0.66	50.6	438
				B7-18	85-90	Tsp:	16.8	3.5	0.7	63.2	148	17.1	67.8	12.5	3.63	12.15	1.83	8.91	1.81	4.84	0.61	3.58	0.55	44.7	391
				B7-19	90-95	Tsp:	14	4.3	0.7	59.2	137.5	15.5	61.5	11.2	3.67	10.9	1.64	7.88	1.6	4.32	0.54	3.22	0.5	39	358
				B7-20	95-100	Tsp:	14.3	2.8	0.6	64.6	154	17.35	68.9	12.55	3.73	11.7	1.76	8.54	1.73	4.68	0.59	3.44	0.54	42.6	397
B8	242387	3781289	1441	B8-1	0-5	Tsp:	13.5	5.9	0.7	64.1	158.5	17.85	70.9	12.9	3.15	12.15	1.83	8.86	1.81	4.85	0.62	3.57	0.54	42.7	404
				B8-2	5-10	Tsp:	16.2	4.9	0.8	65.6	149	17.3	68.5	12.4	3.08	12	1.76	8.37	1.65	4.44	0.53	3.05	0.44	41	389
				B8-3	10-15	Tsp:	19.1	4.5	0.7	66.1	148	16.65	64.2	11.85	2.9	11.25	1.72	8.37	1.75	4.81	0.61	3.58	0.55	44.7	387
				B8-4	15-20	Tsp:	18.3	4.3	0.5	53.9	123.5	13.9	54.5	10.35	2.6	10.35	1.6	7.99	1.66	4.53	0.58	3.46	0.51	42.2	332
				B8-5	20-25	Tsp:	20.7	2.4	0.5	40.3	88	10.55	41.5	8.01	2.2	8.37	1.27	6.63	1.34	3.67	0.47	2.77	0.4	35.6	251
				B8-6	25-30	Tsp:	22.1	1.7	0.5	23.1	51.9	6	24.1	4.92	1.72	5.42	0.89	4.66	0.98	2.66	0.36	2.07	0.31	26.2	155
				B8-7	30-35	Tsp:	18.3	3.9	0.5	64	144	16.35	64.4	12.35	2.97	12.4	1.97	9.93	2.09	5.74	0.75	4.35	0.67	50.7	393
				B8-8	35-40	Tsp:	24.9	2.3	0.4	26.2	57.6	6.93	28.2	5.9	2.09	6.56	1.06	5.58	1.16	3.08	0.4	2.38	0.35	30.2	178
				B8-9	40-45	Tsp:	23.4	2	0.4	30.1	65.9	7.96	32	6.6	2.2	7.13	1.14	5.97	1.26	3.45	0.45	2.62	0.41	33.3	200
				B8-10	45-50	Tsp:	19.2	3.5	0.6	46.4	109.5	12.5	48.5	9.3	2.42	9.52	1.5	7.71	1.62	4.44	0.59	3.46	0.52	40.4	298
				B8-11	50-55	Tsp:	16.1	3.1	0.5	42.4	96	11.05	42.4	7.95	2.05	7.99	1.24	6.38	1.33	3.62	0.48	2.88	0.42	33.4	260
				B8-12	55-60	Tsp:	18.7	4.1	0.6	58.3	134	15.2	58.7	10.8	2.76	11	1.7	8.67	1.78	4.96	0.65	3.76	0.56	43.2	356
				B8-13	60-65	Tsp:	18.2	4.2	0.7	60.7	139	16.1	62.9	11.7	2.96	11.4	1.74	8.49	1.76	4.75	0.6	3.54	0.53	43.6	370
				B8-14	65-70	Tsp:	15.9	4.7	0.9	53.8	122.5	14.05	55.2	10.05	3.08	10.05	1.52	7.42	1.5	4.02	0.5	2.99	0.45	36.5	324
				B8-15	70-75	Tsp:	15.1	3.7	0.7	62.9	148	16.8	67.6	12.2	3.44	11.85	1.76	8.5	1.73	4.57	0.58	3.35	0.5	42.1	386
				B8-16	75-80	Tsp:	19.7	3.5	0.9	49.4	114	13.35	52.7	9.83	2.82	10.05	1.52	7.6	1.56	4.15	0.52	3.18	0.47	39	310
				B8-17	80-85	Tsp:	18.2	3.2	0.7	63.9	148.5	17.05	68	12.35	3.24	11.95	1.83	8.83	1.78	4.79	0.59	3.47	0.52	43.4	390
				B8-18	85-90	Tsp:	15.9	2.9	0.7	60.2	144.5	16.65	67.2	12.2	3.03	11.65	1.77	8.58	1.74	4.68	0.6	3.44	0.5	43	380
				B8-19	90-95	Tsp:	16.6	3.3	0.8	53.3	124.5	14.15	55.7	10.45	2.67	10.35	1.61	8.2	1.66	4.54	0.58	3.42	0.5	41.5	333
				B8-20	95-100	Tsp:	16.1	3.6	0.8	44.8	106	12.2	47.4	8.92	2.5	9.09	1.41	7	1.44	3.96	0.52	2.99	0.46	36.4	285
B9	242371	3781315	1437	B9-1	0-5	Tsp:	11.5	3	0.7	46.7	91.5	11.3	46.3	9.09	2.27	8.47	1.26	7.08	1.36	3.97	0.52	3.14	0.46	32.5	266
				B9-2	5-10	Tsp:	25.7	3.9	0.9	58.6	120.5	15	64.7	13.3	3.82	11.9	1.72	9.23	1.69	4.77	0.6	3.53	0.5	40.7	351
				B9-3	10-15	Tsp:	17.3	4.8	0.9	69.2	140	17.1	71.7	13.85	3.23	12.2	1.76	9.61	1.83	5.18	0.65	3.77	0.53	46.7	397
				B9-4	15-20	Tsp:	15.6	4.4	0.9	65.5	134	16.35	68.1	13.3	3.19	12	1.73	9.4	1.78	4.97	0.64	3.64	0.52	44	379
				B9-5	20-25	Tsp:	19.5	4.4	0.8	68.2	141	16.85	69.9	14	3.47	12.9	1.89	10.6	2.03	5.72	0.73	4.34	0.62	50.5	403
				B9-6	25-30	Tsp:	18.8	4.6	0.6	65.4	130.5	15.6	64	12.7	3.14	11.7	1.74	9.93	1.89	5.47	0.72	4.4	0.63	47.3	375
				B9-7	30-35	Tsp:	20.4	3.5	0.5	75.2	152	17.1	65.8	13.65	2.87	11.5	1.59	8.98	1.8	5.03	0.7	4.32	0.64	54.6	416
				B9-8	35-40	Tsp:	19.9	3.4	0.5	84.2	169	18.85	72.1	14.75	2.95	12.25	1.71	9.57	1.9	5.29	0.75	4.62	0.68	57.4	456
				B9-9	40-45	Tsp:	19.3	3.3	0.4	77.2	155.5	18.7	77.6	15.6	3.71	14.75	2.17	12.3	2.37	6.89	0.91	5.52	0.81	59.1	453
				B9-10	45-50	Tsp:	18.8	3.4	0.5	63.9	130	15.85	65	13.05	3.14	12.35	1.85	10.45	2.02	5.83	0.77	4.68	0.68	49.9	379
				B9-11	50-55	Tsp:	19.2	2.9	0.4	72.3	151	17.95	74.2	14.85	3.37	13.65	2.03	11.55	2.26	6.53	0.85	5.19	0.76	55.1	432
				B9-12	55-60	Tsp:	21.7	3.2	0.5	67.3	136.5	16.45	69.4	13.9	3.5	13.05	1.92	10.8	2.04	5.77	0.75	4.55	0.67	51.8	398
				B9-13	60-65	Tsp:	21.1	3.3	0.6	61.3	124	15.15	63.2	12.65	3.26	11.8	1.73	9.63	1.84	5.27	0.68	4.2	0.61	45.5	361
				B9-14	65-70	Tsp:	20.1	3.1	0.5	59.4	118.5	14.45	59.9	12.25	3.01	11.55	1.73	9.79	1.88	5.48	0.72	4.41	0.65	47.4	351
				B9-15	70-75	Tsp:	14.2	4.1	0.6	52.7	109.5	13.25	55.3	11.05	2.52	10.3	1.51	8.3	1.6	4.53	0.59	3.5	0.51	39.1	314
				B9-16	75-80	Tsp:	16.8	3.2	0.6	59.6	122.5	14.95	62	12.4	3.03	11.3	1.66	9.28	1.75	5	0.64	3.89	0.57	43.6	352
				B9-17	80-85	Tsp:	15.5	3.3	0.7	67.4	142	17.1	71.7	13.8	3.58	12.45	1.78	9.83	1.83	5.18	0.67	3.97	0.58	44.5	396

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B9-18	85-90	Tsp:	20.6	1.9	0.5	39.4	82.8	10.85	45.8	9.18	2.63	8.55	1.27	7.1	1.34	3.74	0.48	2.83	0.41	32.3	249
				B9-19	90-95	Tsp:	17.4	3.6	0.7	67.4	142	17.2	72.3	14.25	3.52	13.05	1.87	10.15	1.93	5.38	0.69	4.04	0.6	45.9	400
				B9-20	95-100	Tsp:	21.5	2.3	0.7	48.5	103	12.9	55.4	11.05	2.88	10.05	1.44	7.91	1.49	4.17	0.52	3.15	0.47	35.8	299
B10	242354	3781338	1433	B10-1	0-5	Tsp:	7.5	6.4	0.9	43.6	83	10.2	40.8	7.78	1.94	7.04	1	5.49	1	2.74	0.34	1.95	0.28	26.6	234
				B10-2	5-10	Tsp:	21.9	3.2	0.5	52.9	108.5	13.25	56.7	11.85	3.29	11.65	1.75	10	1.93	5.51	0.71	4.31	0.63	48.1	331
				B10-3	10-15	Tsp:	20.6	3	0.5	55.4	111.5	13.7	58.7	12.2	3.19	12.4	1.83	10.5	2.02	5.89	0.76	4.57	0.67	50.4	344
				B10-4	15-20	Tsp:	17.9	4.1	0.7	70	144	17.35	72.4	14.3	3.23	13.15	1.92	10.45	1.95	5.49	0.69	4.11	0.58	48.4	408
				B10-5	20-25	Tsp:	17.7	3.9	0.6	57	117	14.2	59.4	12	3.23	11.15	1.67	9.29	1.78	5.05	0.66	4	0.59	44.2	341
				B10-6	25-30	Tsp:	12.7	3.5	0.5	51.3	97	11.55	47.3	8.93	3.35	7.95	1.14	6.32	1.19	3.4	0.46	2.89	0.5	30.9	274
				B10-7	30-35	Tsp:	21	3.5	0.5	64.2	128.5	15.6	64.9	13.4	3.61	12.5	1.85	10.45	2.01	5.79	0.76	4.65	0.71	51.4	380
				B10-8	35-40	Tsp:	22.3	2.8	0.3	49.4	101.5	12.55	53.5	10.75	2.83	10.15	1.54	8.76	1.69	4.8	0.63	3.8	0.56	42.2	305
				B10-9	40-45	Tsp:	21.1	1.7	0.3	34.3	75.9	9.49	37.4	7.46	3.12	8.02	1.28	6.64	1.4	3.77	0.53	3.19	0.5	35.7	229
				B10-10	45-50	Tsp:	20.2	3.5	0.4	70.3	149	16.8	67.4	12.95	3.03	12.8	1.97	9.76	2.05	5.45	0.73	4.3	0.66	53.3	411
				B10-11	50-55	Tsp:	20.4	3.5	0.4	73.4	159	17.35	69.8	13.15	2.85	13.35	2.05	10.1	2.06	5.47	0.75	4.36	0.66	53.6	428
				B10-12	55-60	Tsp:	18.1	3.5	0.4	62.7	136	15.05	60.1	11.55	2.76	11.8	1.86	9.26	1.94	5.27	0.72	4.25	0.65	50	374
				B10-13	60-65	Tsp:	20.6	3.3	0.5	45.3	98.5	11.2	45	8.74	2.4	9.09	1.41	7.13	1.47	3.95	0.54	3.25	0.49	37.9	276
				B10-14	65-70	Tsp:	16.8	5.6	0.7	55.7	121	13.1	52.6	9.6	2.74	9.4	1.43	7.05	1.45	3.88	0.53	3.13	0.49	37.3	319
				B10-15	70-75	Tsp:	21.7	4.3	0.5	75.7	165	18.25	72.5	13.85	3.25	13.7	2.15	10.65	2.2	5.91	0.83	4.83	0.74	57.4	447
				B10-16	75-80	Tsp:	17.3	4.4	0.6	57.3	123	13.6	55	10.25	2.49	10.35	1.61	8.06	1.66	4.42	0.61	3.54	0.55	43.3	336
				B10-17	80-85	Tsp:	19.5	3.9	0.6	70.5	157.5	17.3	70.1	13.35	3.2	12.95	1.97	9.9	2	5.4	0.74	4.25	0.65	52.2	422
				B10-18	85-90	Tsp:	13.7	5.1	1.1	41.3	93.7	11.25	43.1	8.11	2.23	7.7	1.17	5.68	1.15	3.06	0.41	2.34	0.36	30.1	252
				B10-19	90-95	Tsp:	11	5.6	1.8	34.7	79.9	9.55	36.1	6.63	2.08	6.42	1	4.91	1.02	2.69	0.37	2.21	0.34	25.1	213
				B10-20	95-100	Tsp:	12.5	4.3	1.1	53.4	122	13.8	57.7	10.6	2.71	9.85	1.45	6.93	1.38	3.58	0.47	2.67	0.42	35.1	322
B11	242343	3781368	1429	B11-1	0-5	Tsp:	16.5	6.3	1.3	55.4	127.5	13.8	55.4	10.15	2.39	9.92	1.53	7.54	1.54	4.13	0.56	3.24	0.49	37.6	331
				B11-2	5-10	Tsp:	16.5	5.5	1.1	65.2	145.5	16.2	65.5	12.1	2.49	11.55	1.76	8.7	1.76	4.63	0.63	3.57	0.53	43.5	384
				B11-3	10-15	Tsp:	17.2	5.1	1.1	83.2	178	20.1	82	15.45	3.11	15.55	2.25	10.65	2.09	5.32	0.68	3.81	0.55	53	476
				B11-4	15-20	Tsp:	17.5	5.6	1.2	92.5	202	22.1	90.5	17	3.35	16.75	2.35	10.9	2.15	5.36	0.68	3.79	0.56	55.4	525
				B11-5	20-25	Tsp:	20.7	5.3	1.3	64.4	139.5	15.15	61.7	11.25	2.74	11.35	1.76	8.56	1.77	4.63	0.62	3.47	0.5	44.5	372
				B11-6	25-30	Tsp:	21.2	3.6	0.7	50.1	112.5	12.6	51.7	10.15	2.52	10.75	1.74	9.11	1.89	5.16	0.7	4.1	0.61	46.9	321
				B11-7	30-35	Tsp:	17.6	3.5	0.7	62.3	137	15.05	60.6	11.3	2.97	10.85	1.65	8.27	1.69	4.53	0.62	3.67	0.57	42.4	363
				B11-8	35-40	Tsp:	22.1	3.9	0.7	54.6	117	13.2	53.6	10.15	2.71	10.35	1.57	7.9	1.62	4.37	0.6	3.46	0.51	40.5	322
				B11-9	40-45	Tsp:	21	3.8	0.7	65.7	140	15.8	65.7	12.3	4.12	12.75	1.87	9.13	1.88	4.91	0.67	4.06	0.64	47.6	387
				B11-10	45-50	Tsp:	21	2.8	0.6	56.2	121.5	13.75	57.7	11.1	3.42	11.65	1.71	8.46	1.72	4.58	0.62	3.69	0.58	44.3	341
				B11-11	50-55	Tsp:	20.3	3.4	0.6	59.5	130	14.4	58.7	11.15	2.9	11.2	1.73	8.71	1.8	4.85	0.67	3.97	0.62	45.9	356
				B11-12	55-60	Tsp:	8.5	1.5	0.3	24.4	51.9	5.76	21.1	3.72	1.22	3.38	0.51	2.47	0.5	1.33	0.18	1.08	0.17	13.2	131
				B11-13	60-65	Tsp:	19	2.8	0.6	46.1	103	11.4	47.1	9.18	2.34	9.4	1.47	7.37	1.53	4.12	0.57	3.38	0.52	37.7	285
				B11-14	65-70	Tsp:	17.7	3.1	0.5	54.8	117	12.9	53	10.15	2.49	9.91	1.53	7.87	1.68	4.57	0.63	3.7	0.58	42.7	324
				B11-15	70-75	Tsp:	23.7	2.6	0.4	48.7	104.5	11.75	48.7	9.51	2.38	9.98	1.56	8.09	1.71	4.62	0.64	3.79	0.58	43.1	300
				B11-16	75-80	Tsp:	20.2	5.9	0.8	63.2	135	14.7	59.2	11.15	2.92	10.8	1.62	8.28	1.71	4.57	0.63	3.82	0.58	43.2	361
				B11-17	80-85	Tsp:	17.2	4.6	0.7	66.3	141.5	15.65	64	11.95	4.61	11.95	1.79	8.87	1.79	4.77	0.66	4.12	0.69	45.3	384
				B11-18	85-90	Tsp:	18.4	4	0.5	66.2	145.5	15.7	64.8	12.1	3.14	11.7	1.83	9.01	1.88	5.09	0.7	4.15	0.65	47.4	390
				B11-19	90-95	Tsp:	17.3	4.9	0.5	59.6	132	14.35	58.8	11	2.97	10.75	1.65	8.3	1.72	4.6	0.64	3.72	0.6	42.2	353
				B11-20	95-100	Tsp:	20.2	4.3	0.5	67.2	150.5	16.55	67.5	12.6	3.31	12.3	1.89	9.39	1.93	5.18	0.71	4.25	0.66	47.7	402
B12	242329	3781397	1429	B12-1	0-5	Tsp:	15	8	1.5	79.4	181.5	20.2	82.2	15.5	2.87	14.95	2.15	10.1	2.01	5.04	0.64	3.59	0.52	50.6	471
				B12-2	5-10	Tsp:	16.5	7.5	1.6	86.6	199	22.8	92	17.55	3.1	16.55	2.42	11.35	2.26	5.71	0.72	3.97	0.57	56.8	521
				B12-3	10-15	Tsp:	15.3	6.1	1.4	78.3	173.5	20.5	86.8	16.45	2.95	12.55	1.82	9.88	1.97	5.11	0.66	3.68	0.48	52.7	467
				B12-4	15-20	Tsp:	16.1	6.2	1.3	76.6	171.5	20.3	84.6	16.2	3	12.2	1.8	9.92	1.96	5.12	0.69	3.86	0.53	50.4	459
				B12-5	20-25	Tsp:	14.8	7.1	1.3	81.6	183	22.1	86.4	17.1	3.35	12.2	1.8	9.71	1.93	5.02	0.67	3.76	0.54	50.3	479

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B12-6	25-30	Tsp:	16.9	7.4	1.4	87.5	200	24.3	95.5	19.05	3.33	14.85	2.15	11.55	2.32	6.17	0.81	4.51	0.63	59.7	532
				B12-7	30-35	Tsp:	16.2	7.3	1	87	200	23.9	93.8	18.55	3.18	13.5	1.95	10.35	2.07	5.47	0.73	4.14	0.57	55.2	520
				B12-8	35-40	Tsp:	14.3	6.2	1	84.8	187	22	86.8	17.35	3.16	13.15	1.91	10.3	2.04	5.15	0.67	3.61	0.5	53.2	492
				B12-9	40-45	Tsp:	20.9	4.1	0.8	63.1	136	15.75	67.3	13.15	2.86	10.75	1.6	9.08	1.88	5.01	0.7	3.92	0.56	50	382
				B12-10	45-50	Tsp:	18.1	5.8	0.9	77	168.5	19.3	81.2	15.25	3.1	11.8	1.71	9.51	1.95	5.12	0.69	3.9	0.55	50.8	450
				B12-11	50-55	Tsp:	16.8	3.9	0.8	65	143	16.55	71.4	13.55	2.97	10.5	1.48	8.07	1.66	4.32	0.58	3.23	0.45	42.5	385
				B12-12	55-60	Tsp:	21.2	2.1	0.7	33.3	73.4	9.47	37.1	7.44	2.09	6.07	0.95	5.52	1.16	3.21	0.43	2.43	0.33	30.5	213
				B12-13	60-65	Tsp:	18.7	3.8	0.8	57	124	15.8	60.5	11.65	2.81	9.36	1.42	8.1	1.68	4.56	0.63	3.55	0.49	42.6	344
				B12-14	65-70	Tsp:	18.6	3.7	0.8	57.3	124	15.9	61.1	11.8	2.94	9.19	1.46	8.39	1.74	4.74	0.66	3.82	0.53	45.7	349
				B12-15	70-75	Tsp:	20.4	3.6	0.8	58	125	14.3	61.9	12.15	2.89	9.81	1.47	8.46	1.78	4.89	0.68	4.08	0.57	46.6	353
				B12-16	75-80	Tsp:	19.5	4.2	0.8	68.3	151	17	72.2	13.45	3.44	10.6	1.59	9.08	1.89	5.25	0.72	4.25	0.62	50.6	410
				B12-17	80-85	Tsp:	18.7	3.3	0.6	60.9	132.5	15.1	64.2	12.25	2.9	10.5	1.57	8.8	1.87	5.15	0.73	4.23	0.61	49	370
				B12-18	85-90	Tsp:	19	3.6	0.5	65.2	144.5	16.4	69.2	13.2	2.9	10.8	1.6	9.2	1.93	5.24	0.73	4.23	0.6	50.6	396
				B12-19	90-95	Tsp:	21.3	3.5	0.5	55.9	126.5	14	59.7	11.65	2.61	9.46	1.44	8.11	1.68	4.66	0.65	3.82	0.54	43.8	345
				B12-20	95-100	Tsp:	19	4.1	0.5	65.8	146.5	16.25	67.8	12.95	2.89	10.85	1.64	9.26	1.93	5.38	0.74	4.32	0.62	49.6	397
B13	242314	3781421	1423	B13-1	0-5	Tsp:	11.8	8.6	1.9	52	112	13.75	51.3	10.05	2.02	7.34	1.18	6.49	1.26	3.49	0.48	2.87	0.43	35.7	300
				B13-2	5-10	Tsp:	12.8	6.9	2.4	43.1	95.3	11.6	43.1	8.53	2.07	6.24	1.04	5.8	1.15	3.21	0.45	2.64	0.39	31.4	256
				B13-3	10-15	Tsp:	13.4	6.4	2	65.6	147	18.5	69.9	13.45	2.32	9.49	1.5	8.26	1.6	4.29	0.57	3.23	0.46	40	386
				B13-4	15-20	Tsp:	16.7	7.1	2	99.7	235	27.7	114	21.8	3.14	15.9	2.46	12.95	2.5	6.6	0.86	4.71	0.67	63.7	612
				B13-5	20-25	Tsp:	16.8	6.9	1.8	93.8	222	25.8	107.5	20.8	3.59	15.2	2.33	12.65	2.46	6.51	0.86	4.88	0.71	61.7	581
				B13-6	25-30	Tsp:	16	7.8	1.4	87.9	209	25.5	100.5	19.5	3	14.25	2.26	12.15	2.36	6.21	0.82	4.54	0.66	58.8	547
				B13-7	30-35	Tsp:	14.4	6.8	1.1	79	188	21.9	90.9	17.5	2.74	13.1	2.02	10.85	2.1	5.57	0.74	4.14	0.59	51.2	490
				B13-8	35-40	Tsp:	16.2	7.1	1.1	90.3	213	24.6	101.5	19.5	3.16	14.5	2.25	11.95	2.28	5.98	0.78	4.38	0.63	56	551
				B13-9	40-45	Tsp:	18.5	6.7	1.1	96.2	222	25.9	108	20.6	3.11	15.2	2.3	12.4	2.41	6.31	0.83	4.75	0.68	59.3	580
				B13-10	45-50	Tsp:	19.4	3.4	0.6	63.7	142	17.3	66.2	13.35	3.16	10.75	1.73	9.63	1.89	5.18	0.72	4.27	0.64	46.7	387
				B13-11	50-55	Tsp:	18.2	3.8	0.8	62.7	141	17.4	66.4	13.05	2.44	9.48	1.6	8.7	1.72	4.73	0.62	3.57	0.53	42.5	376
				B13-12	55-60	Tsp:	15.8	6.3	1.2	82.6	190	23.9	91.4	17.55	4.47	13.3	2.03	10.8	2.09	5.43	0.71	4.08	0.61	50.2	499
				B13-13	60-65	Tsp:	18.7	3.6	0.8	60.2	132	16.35	63.3	12.55	2.58	10.05	1.56	8.44	1.65	4.47	0.6	3.44	0.5	39.5	357
				B13-14	65-70	Tsp:	15.3	2.9	0.6	55.6	119	14.95	56.5	11.3	4.24	9.26	1.42	7.55	1.49	3.98	0.54	3.21	0.51	38.6	328
				B13-15	70-75	Tsp:	16	2.7	0.5	52.8	113	13.9	52.8	10.45	2.65	8.05	1.3	7.09	1.41	3.86	0.52	3.07	0.47	38.4	310
				B13-16	75-80	Tsp:	19.9	4.1	0.6	77	171.5	20.5	76.9	15.4	3.91	11.85	1.92	10.9	2.2	6.12	0.86	5.19	0.82	56.3	461
				B13-17	80-85	Tsp:	19	6.1	0.6	69.5	160	18.9	71.4	14.35	2.94	11.1	1.83	10.25	2.07	5.78	0.8	4.67	0.72	53.3	428
				B13-18	85-90	Tsp:	17.9	3.2	0.5	53.3	116.5	14.2	54.3	10.8	2.3	8.32	1.34	7.6	1.52	4.26	0.58	3.49	0.53	41.4	320
				B13-19	90-95	Tsp:	15.5	1.8	0.5	32.5	70	8.78	33.6	6.85	1.69	5.75	0.93	5.14	1.03	2.86	0.39	2.26	0.34	26.2	198
				B13-20	95-100	Tsp:	17.3	2.5	0.5	51.6	112.5	14.05	54	10.9	2.41	9.35	1.49	8.17	1.66	4.52	0.62	3.59	0.53	37.4	313
B14	242301	3781449	1424	B14-1	0-5	Tsp:	9.4	7.7	1.9	41.7	88	10.75	39.8	7.71	1.79	5.68	0.91	5.08	1.02	2.83	0.39	2.36	0.36	27.9	236
				B14-2	5-10	Tsp:	10.2	9.1	2.1	49.7	107.5	13.1	49.1	9.32	1.89	6.88	1.1	6	1.19	3.27	0.45	2.77	0.42	31.7	284
				B14-3	10-15	Tsp:	14.7	8.3	2.1	85	192	23.7	94	18.1	2.87	13.8	2.11	11.05	2.13	5.58	0.73	4.07	0.58	50.7	506
				B14-4	15-20	Tsp:	16.1	7.3	1.8	81.9	187.5	23.2	88.1	16.9	2.68	12.4	1.95	10.4	2	5.31	0.69	3.84	0.54	49.1	487
				B14-5	20-25	Tsp:	16	7.6	1.3	94.8	221	25.5	106.5	20.4	2.98	14.6	2.23	11.7	2.23	5.72	0.72	3.98	0.57	56.3	569
				B14-6	25-30	Tsp:	16.3	7.6	1.3	95.3	225	25.8	108.5	21.3	3.15	15.55	2.3	11.95	2.27	5.82	0.73	3.97	0.56	56.4	579
				B14-7	30-35	Tsp:	17.6	5.3	1.1	70.3	159	19.9	76.7	15	2.61	10.9	1.75	9.45	1.84	4.89	0.64	3.56	0.51	44.4	421
				B14-8	35-40	Tsp:	19.8	4	0.8	54.9	120	15.05	57.3	11.55	2.17	8.57	1.38	7.63	1.52	4.11	0.55	3.18	0.45	40.8	329
				B14-9	40-45	Tsp:	17.9	3.4	0.8	48.3	106.5	13.7	53.6	10.85	2.27	8.9	1.41	7.59	1.48	3.93	0.52	3.01	0.43	36.8	299
				B14-10	45-50	Tsp:	18.4	3.4	0.7	57.2	125	14.45	58.5	11.7	2.88	10.9	1.53	8.49	1.57	4.34	0.57	3.01	0.44	37.4	338
				B14-11	50-55	Tsp:	20.6	4	0.7	65.9	141	16.05	64.6	12.7	3.05	11.4	1.62	9.25	1.73	4.87	0.66	3.53	0.52	42.7	380
				B14-12	55-60	Tsp:	18.5	4.1	0.7	67.7	151.5	17.35	70.1	14.05	3.44	12.6	1.76	9.78	1.78	4.94	0.67	3.48	0.52	42.4	402
				B14-13	60-65	Tsp:	18.7	3.5	0.6	61.8	133.5	15.4	62	12.1	3.09	11	1.55	8.77	1.62	4.57	0.62	3.26	0.49	38.5	358

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B14-14	65-70	Tsp:	20.3	4	0.6	74.5	157	17.7	70.6	13.85	3.52	12.25	1.73	9.7	1.8	5.1	0.69	3.69	0.57	45.1	418
				B14-15	70-75	Tsp:	15.7	4.2	0.7	65.4	135.5	15.95	60.4	11.8	3.08	10.25	1.45	8.08	1.53	4.1	0.56	3.35	0.47	38.5	360
				B14-16	75-80	Tsp:	15.4	1.8	0.5	30.8	62.5	7.92	30.1	5.9	1.96	5.6	0.78	4.32	0.84	2.21	0.3	1.79	0.26	20.2	175
				B14-17	80-85	Tsp:	19	3.1	0.6	64.6	137	16.3	62.9	12.35	3.47	11.5	1.64	9.22	1.77	4.81	0.67	4.01	0.58	44.2	375
				B14-18	85-90	Tsp:	19.9	3.7	0.6	77.7	167.5	19.35	72.1	14.5	3.82	13.4	1.95	11.1	2.15	5.95	0.83	5.08	0.74	53.7	450
				B14-19	90-95	Tsp:	19.3	3.4	0.4	73.3	159.5	18.6	69.5	14.1	3.57	13.1	1.91	11	2.16	5.94	0.83	5.05	0.72	54	433
				B14-20	95-100	Tsp:	21.2	4.5	0.6	56.7	120	14.05	54.2	10.95	3.09	10.45	1.51	8.62	1.69	4.64	0.66	4.05	0.57	41.3	332
B15	242287	3781476	1425	B15-1	0-5	Tsp:	9.5	7.4	1.5	40.6	84.7	10.1	36.7	7.04	1.86	6.58	0.92	5.14	1.01	2.82	0.39	2.45	0.35	25.6	226
				B15-2	5-10	Tsp:	11.6	16.7	2.9	53.8	116.5	12.65	46.2	8.49	1.88	7.36	0.99	5.27	1	2.74	0.39	2.49	0.36	25.1	285
				B15-3	10-15	Tsp:	13.3	17.8	4.2	56.1	127.5	14.05	50.7	9.45	1.93	8.09	1.11	5.84	1.07	2.92	0.42	2.66	0.38	25.7	308
				B15-4	15-20	Tsp:	12.6	20.7	3.1	68.9	147	16.75	60.6	11.15	2.25	9.27	1.24	6.42	1.17	3.14	0.45	2.7	0.39	28.5	360
				B15-5	20-25	Tsp:	14.2	13.6	2.4	60.7	130	15.15	56.2	10.85	2.35	9.62	1.37	7.49	1.42	3.89	0.55	3.41	0.47	35.6	339
				B15-6	25-30	Tsp:	17.1	8.9	1.7	72.5	153.5	18.2	69.5	13.25	2.91	12.1	1.67	9.07	1.71	4.55	0.62	3.64	0.49	42.2	406
				B15-7	30-35	Tsp:	18.2	5	1.4	68.3	152	18.3	69.1	13.75	3.24	12.7	1.79	9.98	1.92	5.2	0.7	4.04	0.54	46.2	408
				B15-8	35-40	Tsp:	18.7	6.5	1.2	76.1	169.5	20.3	77	15.4	3.42	14.55	2.05	11.4	2.19	5.95	0.8	4.71	0.64	53.2	457
				B15-9	40-45	Tsp:	20.9	4.7	0.9	55.1	122.5	14.95	59	12.1	2.78	11.8	1.69	9.67	1.88	5.17	0.71	4.19	0.57	45.2	347
				B15-10	45-50	Tsp:	18.3	4.9	0.9	72.7	154.5	18.5	70.9	14.35	3.33	13.95	1.95	10.75	2.06	5.51	0.74	4.35	0.61	50.3	425
				B15-11	50-55	Tsp:	16.6	4.6	0.8	64.2	143.5	17.15	66.1	13.35	3.5	12.75	1.8	10	1.93	5.23	0.72	4.35	0.63	47	392
				B15-12	55-60	Tsp:	17.4	5	0.8	72.2	158.5	18.8	70.5	14.4	3.46	13.35	1.91	10.75	2.08	5.61	0.78	4.72	0.67	51	429
				B15-13	60-65	Tsp:	18.5	4.9	0.8	72.4	158.5	18.95	72.1	14.45	3.32	13.55	1.93	11	2.1	5.76	0.78	4.69	0.66	53.2	433
				B15-14	65-70	Tsp:	18.8	4.6	0.8	68.7	154.5	18.5	70.8	14.25	3.32	13.25	1.9	10.6	2.03	5.43	0.74	4.37	0.6	49.5	418
				B15-15	70-75	Tsp:	17.6	2.4	0.6	39	88.2	11.05	42.3	8.36	2.31	8.08	1.16	6.48	1.25	3.35	0.45	2.71	0.36	29.3	244
				B15-16	75-80	Tsp:	20.8	1.6	0.6	26.5	58	7.78	30.5	6.4	2.15	6.78	1.01	5.8	1.14	3.16	0.44	2.58	0.35	26.6	179
				B15-17	80-85	Tsp:	19.3	2.8	1	38.7	87.3	11	41.9	8.45	2.38	8.08	1.18	6.63	1.28	3.53	0.48	2.9	0.39	30.5	245
				B15-18	85-90	Tsp:	20.8	2.2	0.7	34.7	77.1	9.75	37.7	7.73	2.32	7.86	1.15	6.44	1.26	3.39	0.47	2.71	0.37	30.4	223
				B15-19	90-95	Tsp:	21.1	1.9	0.6	29.5	67.4	8.59	33.5	7.06	2.18	7.3	1.09	6.21	1.22	3.36	0.47	2.72	0.37	29.1	200
				B15-20	95-100	Tsp:	20.9	1	0.5	16.2	35.3	4.77	19.8	4.53	1.72	5.45	0.82	4.83	0.96	2.68	0.37	2.15	0.3	23.4	123
B16	242274	3781502	1421	B16-1	0-5	Tsp:	7.8	10.7	2	41.2	83.1	9.82	35	6.41	1.69	5.64	0.77	4.22	0.81	2.29	0.32	2.07	0.31	21.8	215
				B16-2	5-10	Tsp:	10.7	13.9	2.1	46.4	99	11.8	41.7	7.92	1.7	7.27	1.06	6.16	1.25	3.47	0.51	3.21	0.45	33	265
				B16-3	10-15	Tsp:	12.5	14	2.4	54.2	112	13	48.9	9.37	2.2	8.69	1.27	7.39	1.45	4.15	0.62	3.85	0.55	37.3	305
				B16-4	15-20	Tsp:	14	12.6	2.3	52	109	12.85	48.1	9.22	2.07	8.84	1.28	7.44	1.45	4.14	0.6	3.77	0.53	37.5	299
				B16-5	20-25	Tsp:	14.4	12.5	2.5	46.7	100.5	11.85	44.4	8.56	1.87	8.53	1.29	7.58	1.5	4.22	0.6	3.72	0.52	37.5	279
				B16-6	25-30	Tsp:	14.6	11.5	1.9	51.8	115.5	13.75	52.1	10.25	2.18	9.8	1.48	8.64	1.7	4.86	0.69	4.23	0.57	43.2	321
				B16-7	30-35	Tsp:	17.7	6.3	1.6	65.1	147	17.55	66.5	13.35	2.99	12.7	1.82	10.25	1.97	5.33	0.71	4.22	0.58	47.9	398
				B16-8	35-40	Tsp:	18.9	5.7	1.2	74.3	161.5	19.2	72.2	14.4	3.18	13.55	1.95	10.9	2.1	5.7	0.79	4.66	0.64	53.5	439
				B16-9	40-45	Tsp:	15.7	6.5	1.1	60.2	144	17.5	67.3	13.15	2.83	11.75	1.76	9.98	1.92	5.21	0.71	4.25	0.62	49.4	391
				B16-10	45-50	Tsp:	17	4.3	0.8	60.9	145.5	17.75	68.7	13.75	3.18	12.6	1.88	10.55	2.05	5.43	0.73	4.32	0.64	51.4	399
				B16-11	50-55	Tsp:	17	6.3	0.8	64.4	154.5	18.65	71.1	13.9	3.1	12.1	1.85	10.35	2.01	5.38	0.73	4.35	0.64	51.2	414
				B16-12	55-60	Tsp:	15.5	4.4	0.9	61.1	145.5	18	70.7	13.45	3.27	11.95	1.72	9.43	1.8	4.71	0.61	3.58	0.52	45.6	392
				B16-13	60-65	Tsp:	15.8	4.6	0.9	72	163	20.3	77.6	14.4	3.44	12.75	1.79	9.8	1.88	4.85	0.65	3.73	0.55	47.8	435
				B16-14	65-70	Tsp:	16.5	4.7	1	73.8	166.5	21.1	81.4	15.65	3.82	14.25	2.01	10.9	2.05	5.32	0.7	3.95	0.57	51	453
				B16-15	70-75	Tsp:	17.4	3.7	0.6	63.6	152.5	19	73.8	14.25	3.74	12.7	1.82	10.1	1.96	5.19	0.69	4.06	0.6	47.8	412
				B16-16	75-80	Tsp:	18	3.7	0.6	65.4	154	19.4	74.8	14.45	4.23	12.8	1.82	10.1	1.94	5.12	0.69	4.11	0.64	46.8	416
				B16-17	80-85	Tsp:	19.3	4.4	0.7	70.4	165	20.5	79.5	14.9	3.49	12.85	1.83	10.05	1.94	4.98	0.66	3.84	0.55	48	438
				B16-18	85-90	Tsp:	16.6	3.7	0.6	58.7	138	17.3	68.3	12.85	3.36	11.35	1.66	9.2	1.79	4.66	0.63	3.62	0.53	44.3	376
				B16-19	90-95	Tsp:	16.9	3.9	0.6	61.4	148.5	18.35	71.3	13.7	3.44	12.05	1.76	9.73	1.88	4.93	0.66	3.83	0.56	46.3	398
				B16-20	95-100	Tsp:	20.4	3.3	0.6	56.6	132	16.55	66	12.6	3.34	11.6	1.66	9.25	1.78	4.69	0.62	3.64	0.53	45.2	366
B17	242259	3781527	1419	B17-1	0-5	Tsp:	8.9	10	2.3	41.1	87.9	10.8	39.2	7.13	1.82	6.24	0.91	5.03	0.99	2.68	0.38	2.38	0.36	26.6	234

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B17-2	5-10	Tsp:	10.6	11.1	1.8	46.9	101	12.5	45.8	8.42	2.01	7.4	1.06	5.78	1.13	3.02	0.43	2.62	0.4	30.9	269
				B17-3	10-15	Tsp:	11.5	14	2.2	57.2	125	14.8	55	10.35	2.33	9.62	1.43	8.29	1.66	4.55	0.65	3.95	0.58	44	339
				B17-4	15-20	Tsp:	12.6	14.1	2.3	46.7	114.5	13.4	50.3	9.63	1.83	8.8	1.39	8.11	1.62	4.5	0.65	3.96	0.57	41.8	308
				B17-5	20-25	Tsp:	14.2	10.5	1.9	50.6	113.5	13.65	52.3	9.87	2.12	8.99	1.35	7.8	1.53	4.17	0.59	3.65	0.53	40.5	311
				B17-6	25-30	Tsp:	13.3	8.3	1.8	50.4	111.5	13.8	52.4	9.72	2.15	8.65	1.28	7.17	1.4	3.73	0.52	3.12	0.45	36.9	303
				B17-7	30-35	Tsp:	15	4.6	1	38.5	92.4	11.95	46.5	9.22	2.44	8.88	1.34	7.52	1.48	3.96	0.54	3.13	0.45	35.3	264
				B17-8	35-40	Tsp:	13.7	3.8	0.8	54.5	115	13.15	51.7	10.6	2.3	8.54	1.14	6.22	1.21	3.25	0.45	2.71	0.38	35.2	306
				B17-9	40-45	Tsp:	12.7	4	0.8	61.4	130	14.85	57.6	11.65	2.34	9.29	1.26	6.93	1.34	3.59	0.49	2.92	0.42	37.6	342
				B17-10	45-50	Tsp:	20.2	4.6	0.8	73.7	171	21.2	80.9	15.35	3.45	13.5	1.92	10.45	1.99	5.2	0.68	3.99	0.56	49.9	454
				B17-11	50-55	Tsp:	19.8	4.4	0.8	69	156	19.15	74.5	13.75	3.16	12.1	1.69	9.34	1.79	4.72	0.63	3.65	0.52	46.5	417
				B17-12	55-60	Tsp:	18.3	4.2	0.8	70.1	166.5	20.3	78.7	15.1	3.41	13.05	1.85	9.99	1.91	5	0.66	3.81	0.55	49	440
				B17-13	60-65	Tsp:	18.4	4.2	0.6	65.8	153.5	18.9	73	13.6	3.24	11.95	1.68	9.24	1.78	4.63	0.62	3.64	0.53	44.4	407
				B17-14	65-70	Tsp:	16.7	3.9	0.7	51.6	122	15.15	59.2	11.2	2.75	10.05	1.48	8.35	1.62	4.32	0.59	3.43	0.48	40.2	332
				B17-15	70-75	Tsp:	19.8	4.4	0.7	55.1	122	15	58.7	11.25	2.75	10.3	1.5	8.55	1.66	4.46	0.6	3.54	0.5	43.7	340
				B17-16	75-80	Tsp:	20.2	4.5	0.7	56.6	124	15.2	58.9	11.45	2.72	10.4	1.55	8.98	1.78	4.77	0.67	3.98	0.57	46.1	348
				B17-17	80-85	Tsp:	19.8	3.4	0.6	38.8	83.2	10.7	40.9	8.03	2.11	7.84	1.17	6.79	1.35	3.67	0.5	3	0.44	35.6	244
				B17-18	85-90	Tsp:	16.4	3.7	0.6	41.8	94.8	12.25	46.4	8.91	2.25	7.94	1.19	6.81	1.34	3.58	0.49	2.97	0.43	33.8	265
				B17-19	90-95	Tsp:	17.6	4.6	0.7	51.9	114	14.2	53.7	10.2	2.44	9.14	1.36	7.72	1.51	4.07	0.56	3.35	0.49	38.6	313
				B17-20	95-100	Tsp:	17.4	4.7	0.5	55.1	121.5	14.45	55.5	10.55	2.52	9.62	1.41	8.01	1.6	4.29	0.6	3.63	0.53	41	330
B18	242249	3781560	1411		0-5	Qal and brown ss and clay																			0
				B18-2	5-10	Tc: green ss and claystn	10	11.9	1.8	47.8	103	12.3	43.9	7.79	1.64	6.61	0.98	5.62	1.11	3.06	0.44	2.66	0.39	30.1	267
				B18-3	10-15	Tc: green ss and claystn	11.7	11.3	1.7	49.6	108.5	13.45	49	9.02	1.9	7.89	1.2	6.86	1.39	3.82	0.54	3.34	0.49	37.4	294
				B18-4	15-20	Tc: green ss and claystn	12.6	13.3	2.1	56.1	118.5	13.4	50.5	9.52	1.74	8.52	1.21	6.7	1.34	3.71	0.53	3.42	0.49	43.5	319
				B18-5	20-25	Tsp:	13.9	10.6	2.5	40.7	91.4	10.6	40.9	7.99	1.55	7.8	1.09	6.14	1.25	3.53	0.51	3.33	0.47	37.5	255
				B18-6	25-30	Tsp:	16.5	6.7	1.9	49.2	102	12.4	48.1	9.28	2.03	9.25	1.24	6.68	1.33	3.59	0.52	3.18	0.44	40.5	290
				B18-7	30-35	Tsp:	18.1	5.5	1.2	71.4	153	17.85	68.1	13.35	2.61	12.05	1.62	8.86	1.75	4.78	0.65	4.13	0.58	54.7	415
				B18-8	35-40	Tsp:	18.8	5.1	0.9	73.6	162.5	18.8	71.3	13.85	2.72	12.75	1.73	9.37	1.87	5.06	0.71	4.45	0.63	56.9	436
				B18-9	40-45	Tsp:	18	4.8	1.1	81.7	171.5	20.3	78.9	15.05	3.03	13.9	1.78	9.11	1.75	4.57	0.6	3.65	0.51	54.4	461
				B18-10	45-50	Tsp:	18.1	4.8	0.9	72.9	164	19.15	74.2	14.2	2.87	12.65	1.66	8.69	1.69	4.41	0.59	3.62	0.5	50.3	431
				B18-11	50-55	Tsp:	18.2	4.9	1	72.3	154	18.3	70.8	13.45	2.91	12.6	1.61	8.4	1.61	4.24	0.56	3.39	0.47	48.1	413
				B18-12	55-60	Tsp:	18.3	4.4	1	69.9	148.5	17.4	66.9	12.8	2.8	12.2	1.55	8.09	1.55	4.07	0.55	3.29	0.45	47.7	398
				B18-13	60-65	Tsp:	18.3	4.3	0.9	49.2	102	11.9	46.3	8.96	2.05	8.69	1.13	6.05	1.18	3.2	0.43	2.64	0.37	36	280
				B18-14	65-70	Tsp:	17.8	4.2	0.8	48	102	11.85	45.9	8.92	2.02	8.66	1.16	6.21	1.23	3.29	0.45	2.78	0.39	36.8	280
				B18-15	70-75	Tsp:	19.2	5.4	0.8	55.6	111.5	12.8	49.3	9.39	2.26	9.42	1.24	6.6	1.32	3.56	0.49	3.06	0.43	39.5	306
				B18-16	75-80	Tsp:	20.2	6.3	0.7	67.5	137.5	15.6	59.9	11.45	2.65	11.15	1.46	7.97	1.57	4.26	0.6	3.73	0.53	47.6	373
				B18-17	80-85	Tsp:	23.8	5.4	0.8	82.3	176	20.5	78.9	15.35	2.8	14.95	2.01	10.9	2.14	5.83	0.8	4.95	0.69	66.8	485
				B18-18	85-90	Tsp:	18.6	6.9	0.9	70.3	146.5	16.85	64.2	12.4	2.59	11.6	1.53	8.28	1.63	4.39	0.6	3.69	0.53	49.2	394
				B18-19	90-95	Tsp:	15.9	6.3	0.9	67	146	16.75	64.7	12.3	2.85	11.45	1.46	7.67	1.48	3.92	0.53	3.27	0.47	43.4	383
				B18-20	95-100	Tsp:	16.5	6	0.9	74.3	153.5	17.95	69	13.05	2.82	12.25	1.57	8.32	1.62	4.35	0.6	3.67	0.53	49.4	413
B19	242241	3781585	1409		0-5	Qal and Tc: ss																			0
				B19-2	5-10	Tc: dark red brown ss and clay	8.2	15.4	3.3	41.5	83	9.32	33.9	6.24	1.46	6	0.77	4.04	0.8	2.21	0.32	2.12	0.32	26.1	218

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B19-3	10-15	Tc: dark red brown ss and clay; greenish brown ss and clay	12.2	12.4	2.7	49.6	102.5	11.65	43.8	8.28	1.74	7.93	1.02	5.33	1.05	2.85	0.4	2.54	0.38	33.1	272
				B19-4	15-20	Tc: dark red brown ss and clay; greenish brown ss and clay	12.4	11.8	2.1	49.3	104	11.8	44.6	8.57	1.7	8.4	1.13	6.15	1.23	3.42	0.5	3.21	0.47	38.5	283
				B19-5	20-25	Tc: ss and clay few cuttings	10	7.9	1.1	37.8	79.5	9.12	34.7	6.61	1.36	6.39	0.86	4.68	0.91	2.47	0.35	2.18	0.31	28.3	216
				B19-6	25-30	Tc: medium green brown ss and clay	10.2	9.1	1.1	42.4	88.6	9.91	37.4	7	1.43	6.79	0.92	4.96	0.98	2.65	0.38	2.39	0.33	30	236
				B19-7	30-35	Tc: medium green brown ss and clay	10.9	11.1	1.5	49.7	103	11.65	44.3	8.24	1.59	7.97	1.09	5.98	1.2	3.32	0.47	3	0.43	37.3	279
				B19-8	35-40	Tc: medium green brown ss and clay	11.9	12	2.4	49.4	106.5	11.95	45.4	8.72	1.59	8.71	1.21	6.71	1.34	3.7	0.53	3.44	0.48	42.6	292
				B19-9	40-45	Tc: medium green brown ss and clay; minor Tsp	13.3	13.7	2.7	60.5	125.5	14.2	54.1	10.3	1.83	10.2	1.42	7.9	1.56	4.28	0.59	3.81	0.53	50	347
				B19-10	45-50	Tsp:	15.4	6.1	1.8	64.7	140.5	15.95	61	11.9	2.26	11.15	1.47	7.86	1.57	4.22	0.59	3.71	0.53	47.9	375
				B19-11	50-55	Tsp:	14.8	4.8	1.4	63	137.5	15.8	61.1	11.75	2.19	10.85	1.42	7.6	1.5	4.09	0.57	3.56	0.52	44.9	366
				B19-12	55-60	Tsp:	13.1	4.7	1.1	52.2	110	12.9	51.5	9.83	2.01	9.29	1.2	6.37	1.22	3.25	0.44	2.7	0.38	36.3	300
				B19-13	60-65	Tsp:	16.8	3.1	0.9	39.2	86.9	10.4	42	8.3	1.9	8.22	1.07	5.8	1.14	3.08	0.41	2.53	0.36	33.6	245
				B19-14	65-70	Tsp:	20.3	4.1	1.1	54.2	113.5	13.45	54	10.4	2.27	9.87	1.29	6.79	1.33	3.51	0.47	2.81	0.39	41.2	315
				B19-15	70-75	Tsp:	16.8	4.3	1	63.5	132.5	15.5	60.4	11.6	2.53	11.35	1.43	7.45	1.45	3.82	0.5	2.98	0.42	44	359
				B19-16	75-80	Tsp:	16.9	3.9	1	54.4	110.5	13.05	51.2	9.71	2.36	9.5	1.21	6.35	1.22	3.21	0.43	2.54	0.36	36.8	303
				B19-17	80-85	Tsp:	16.2	6.4	0.9	45.2	91.9	10.1	37.7	7.04	1.82	6.91	0.91	4.83	0.95	2.57	0.35	2.21	0.31	27.8	241
				B19-18	85-90	Tsp:	15.4	6.4	1.1	72.6	147.5	16.9	64.9	12.15	2.86	11.05	1.38	7.09	1.35	3.5	0.46	2.73	0.4	40.6	385
				B19-19	90-95	Tsp:	15.2	5.6	1	79.5	173	19.3	74.2	14.2	3.26	10.7	1.47	7.84	1.49	3.83	0.54	3.27	0.49	43	436
				B19-20	95-100	Tsp:																			0
B20	242233	3781620	1404		0-5	Qal:																			0
				B20-2	5-10	Tc: red brown ss	9.9	15	3.3	53.6	109	11.85	43.5	8.32	1.72	6.18	0.92	4.93	0.98	2.62	0.4	2.5	0.38	29.9	277
				B20-3	10-15	Tc: ; minor Tsp:	9.9	13.8	2.9	51.2	104.5	11.25	40.9	7.77	1.51	5.9	0.88	4.76	0.92	2.51	0.37	2.42	0.37	29.1	264
				B20-4	15-20	Tsp:	10.3	11.9	1.7	45.9	98.1	10.85	40.7	7.87	1.23	6.41	1.04	6.25	1.26	3.45	0.5	3.11	0.45	38.4	266
				B20-5	20-25	Tsp:	14.2	12	2.4	67.1	142.5	15.8	59.1	11.55	2.04	9.61	1.46	8.06	1.59	4.43	0.64	3.9	0.57	49.7	378
				B20-6	25-30	Tsp:	17.3	7	3.2	74.2	164.5	18.65	70.4	14	2.51	11.2	1.65	8.97	1.74	4.75	0.68	4.16	0.58	51.2	429
				B20-7	30-35	Tsp:	16.3	5.2	1.4	75.1	161.5	18.5	72.3	14.1	2.75	11.6	1.65	8.77	1.7	4.56	0.64	3.79	0.56	49.5	427
				B20-8	35-40	Tsp:	20.6	4.6	1	75.6	162.5	18.75	73	14.45	2.98	11.9	1.7	9.2	1.76	4.73	0.66	3.97	0.57	51.4	433
				B20-9	40-45	Tsp:	16.7	4.2	0.9	70.7	153	17.7	69.4	13.4	3.13	10.8	1.51	8.05	1.55	4.11	0.57	3.4	0.49	44.8	403
				B20-10	45-50	Tsp:	18.1	4.5	0.8	78.2	168.5	19.45	75.3	14.5	3.26	11.15	1.56	8.42	1.61	4.27	0.59	3.52	0.53	47.4	438
				B20-11	50-55	Tsp:	18.8	4.6	0.8	85.8	186.5	21.1	83.1	15.85	3.59	12.55	1.72	9.27	1.76	4.62	0.65	3.85	0.57	51.1	482

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B20-12	55-60	Tsp:	18.7	4.6	0.7	91	198.5	22.5	88.3	17.3	3.53	13.05	1.81	9.88	1.87	5.04	0.71	4.16	0.61	55.7	514
				B20-13	60-65	Tsp:	19	4.3	0.7	86.8	187.5	21.5	83.9	16.3	3.44	13.15	1.84	9.66	1.86	4.94	0.67	4.1	0.61	53.1	489
				B20-14	65-70	Tsp:	21.4	4.3	0.8	81.9	177	20.3	79.3	15.35	3.2	12.3	1.7	9.27	1.78	4.7	0.68	3.98	0.58	51.8	464
				B20-15	70-75	Tsp:	19.1	3.6	0.6	66.6	137.5	15.85	61.8	12.5	2.95	10.75	1.58	8.63	1.67	4.63	0.65	3.92	0.56	49.2	379
				B20-16	75-80	Tsp:	18.1	3.7	0.6	61	127.5	14.65	57.1	11.8	2.85	10.3	1.49	8.16	1.58	4.24	0.6	3.63	0.53	46	351
				B20-17	80-85	Tsp:	17	4	0.6	64.4	133	15.15	58.4	11.6	2.64	9.84	1.41	7.65	1.47	3.9	0.56	3.3	0.49	42.4	356
				B20-18	85-90	Tsp:	17.5	3.9	0.6	61.2	126	14.35	55.1	11	2.65	9.24	1.35	7.2	1.4	3.72	0.52	3.08	0.46	41.6	339
				B20-19	90-95	Tsp:	13.1	3.9	0.8	63.3	132.5	15.1	58.5	11.05	2.67	9.08	1.23	6.45	1.23	3.2	0.45	2.67	0.4	34.6	342
				B20-20	95-100	Tsp:	12.1	4	0.7	66.2	141.5	16.1	62	11.85	2.87	9.36	1.26	6.61	1.24	3.23	0.44	2.64	0.4	35.6	361
B21	242222	3781647	1403		0-5	Qal:																			0
					5-10	Qal:																			0
				B21-3	10-15	Tc: dark red brown ss	9.5	16.4	4.5	50.2	102.5	10.8	39.2	7.41	1.63	5.82	0.84	4.51	0.87	2.41	0.36	2.33	0.35	27.2	256
				B21-4	15-20	Tc: dark red brown ss	9.2	15.8	4.5	47.4	96	10.6	38.3	7.29	1.68	5.64	0.82	4.29	0.84	2.29	0.35	2.21	0.35	26.7	245
				B21-5	20-25	Tc: dark red brown ss; Tsp: trace	10.3	17.5	3.7	56.3	113.5	12.45	45.2	8.74	1.71	7.19	1.04	5.62	1.09	2.99	0.46	2.86	0.44	33	293
				B21-6	25-30	Tsp:	13.5	14.8	3	65.8	137	15.2	56.7	11.2	2.03	9.46	1.4	7.61	1.48	4.1	0.59	3.72	0.53	44.5	361
				B21-7	30-35	Tsp:	15.3	8.4	2.6	71.4	155.5	17.5	67.4	13.25	2.5	11	1.56	8.55	1.63	4.45	0.63	3.78	0.55	46.4	406
				B21-8	35-40	Tsp:	16.4	5.1	1.3	70.5	153.5	17.7	69.3	13.8	2.66	11.45	1.6	8.42	1.58	4.14	0.57	3.44	0.5	45	404
				B21-9	40-45	Tsp:	16.6	4.1	1.1	73.6	152.5	17.95	71.5	14.45	3.01	12.15	1.62	8.47	1.59	4.04	0.55	3.24	0.47	44.9	410
				B21-10	45-50	Tsp:	15.9	4.5	1	73.1	154.5	17.9	70.5	13.65	3.12	11.55	1.57	8.22	1.55	3.94	0.56	3.25	0.49	42.9	407
				B21-11	50-55	Tsp:	17.7	3.6	1	62.2	130.5	15.35	61.2	12.3	2.86	10.45	1.44	7.46	1.42	3.72	0.51	3.03	0.46	41	354
				B21-12	55-60	Tsp:	19.2	3	0.9	57.2	122	14.4	57.2	11.6	2.72	10.1	1.42	7.6	1.47	3.84	0.53	3.16	0.47	42.1	336
				B21-13	60-65	Tsp:	18.6	4.5	1	79.2	170	19.7	76.4	14.55	2.9	11.95	1.67	8.87	1.69	4.43	0.62	3.73	0.54	47.6	444
				B21-14	65-70	Tsp:	21.2	5	1.2	90.5	202	23.2	91.4	17.7	3.29	14.65	2.08	10.8	2.1	5.55	0.78	4.61	0.69	57.3	527
				B21-15	70-75	Tsp:	19.7	4.1	0.9	67.7	144	16.8	65.9	13.3	2.99	11.45	1.65	8.93	1.75	4.62	0.66	3.92	0.57	49.3	394
				B21-16	75-80	Tsp:	16.4	3.8	0.7	56.2	116.5	13.6	53	10.8	2.67	9.35	1.35	7.5	1.47	4.05	0.58	3.41	0.52	42	323
				B21-17	80-85	Tsp:	20	4.5	0.7	62.3	136	15.4	62.1	12.45	3.29	11.7	1.69	9.72	1.83	5.24	0.71	3.87	0.58	44.1	371
				B21-18	85-90	Tsp:	19.1	4.3	0.7	57	123.5	14.1	56.2	11.25	2.92	10.15	1.47	8.56	1.61	4.57	0.63	3.36	0.51	39.2	335
				B21-19	90-95	Tsp:	15.9	4.5	0.7	60	133.5	14.8	59.2	11.4	3.01	9.53	1.35	7.6	1.42	3.93	0.53	2.85	0.45	34.2	344
				B21-20	95-100	Tsp:	17.9	4.8	0.8	68.2	147.5	16.65	66.4	13	3.26	11.3	1.58	8.94	1.64	4.54	0.61	3.27	0.5	40.7	388
B22	242212	3781676	1403		0-5	Qal:																			0
					5-10	Qal and ss																			0
				B22-3	10-15	Qal and medium brown ss (Tc?)	9	12.5	3.2	38.7	83	9.37	34.5	6.57	1.56	5.38	0.78	4.49	0.84	2.45	0.35	1.97	0.31	21.7	212
				B22-4	15-20	Qal and medium brown ss (Tc?)	9.5	14.1	5.2	42.4	89.6	9.96	36.3	6.84	1.73	5.6	0.81	4.58	0.86	2.51	0.36	2.06	0.33	22.4	226
				B22-5	20-25	Tc: dark red brown ss	9.3	15.2	4.8	42.1	89.5	10.05	36.9	7	1.87	5.83	0.83	4.72	0.88	2.56	0.37	2.11	0.35	22.2	227
				B22-6	25-30	Tc: dark red brown ss	9.8	16.4	4.4	43.7	92.2	10.4	37.6	7.08	1.71	5.73	0.83	4.67	0.86	2.49	0.36	2	0.32	22.3	232
				B22-7	30-35	Tc: dark red brown ss	10.9	18.5	5.8	48.7	103.5	11.55	41.9	7.84	1.86	6.38	0.91	5.19	0.97	2.81	0.4	2.31	0.37	25.5	260

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B22-8	35-40	Tc: dark red brown ss; minor Tsp	13.9	16.2	2.9	60	127.5	14.55	55.1	10.55	2.32	9.17	1.35	7.79	1.5	4.35	0.62	3.4	0.51	38.8	338
				B22-9	40-45	Tsp	18.2	7.6	1.9	64.8	147	16.8	66.7	13.1	2.69	11.4	1.64	9.51	1.78	5.15	0.72	3.93	0.57	42.8	389
				B22-10	45-50	Tsp	16.9	5.3	1.4	53.8	122.5	14.2	56.5	11	2.7	9.63	1.41	8.18	1.53	4.41	0.61	3.32	0.49	36	326
				B22-11	50-55	Tsp	18.9	2.9	0.8	43.1	98.1	11.85	46.7	9.37	2.48	8.31	1.23	7.11	1.35	3.81	0.51	2.66	0.39	32.5	269
				B22-12	55-60	Tsp	17.4	5.2	1	57.2	123	14.7	57.4	10.95	2.83	9.31	1.26	6.97	1.3	3.59	0.47	2.46	0.36	32.4	324
				B22-13	60-65	Tsp	15.1	4.3	0.8	50.6	114.5	13.65	53.5	10.4	2.66	8.52	1.19	6.61	1.2	3.31	0.43	2.29	0.35	28.3	298
				B22-14	65-70	Tsp	18.1	4.3	0.8	62.6	143.5	16.45	66.3	12.95	3.13	11.15	1.55	8.74	1.6	4.43	0.6	3.14	0.47	37.7	374
				B22-15	70-75	Tsp	18	5.1	0.8	69.6	159	17.8	70.7	13.5	3.11	11.65	1.61	8.98	1.63	4.55	0.61	3.22	0.49	38.6	405
				B22-16	75-80	Tsp	16.9	4.9	0.7	71	162.5	18.25	72.3	13.65	3.22	11.75	1.61	8.95	1.63	4.51	0.6	3.2	0.49	38.5	412
				B22-17	80-85	Tsp	17.3	3.9	0.7	58.3	129.5	14.9	60.5	11.8	3.06	10.7	1.48	8.17	1.5	4.07	0.54	2.84	0.43	35.3	343
				B22-18	85-90	Tsp	18.7	4.2	0.7	55.4	124.5	14.65	56.7	11.2	2.88	10.3	1.47	8.42	1.59	4.47	0.6	3.18	0.48	37	333
				B22-19	90-95	Tsp	20.2	4.5	0.6	57	121.5	14.25	54.8	10.9	2.77	9.96	1.44	8.2	1.53	4.29	0.57	3.03	0.45	37.6	328
				B22-20	95-100	Tsp	20.1	5.2	0.7	65.6	138.5	15.75	61.4	12.15	3.03	10.95	1.54	8.8	1.64	4.56	0.61	3.24	0.49	41.1	369
B23	242204	3781706	1401		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	50% Qal: 50% Tc:																			0
				B23-5	20-25	Tc:	10.9	18.2	3.9	46.9	100	10.95	40	7.52	1.74	6.45	0.94	4.77	0.95	2.45	0.38	2.15	0.34	23.7	249
				B23-6	25-30	Tc:	11.4	18.4	4.2	48.6	103.5	11.25	41	7.72	1.82	6.53	0.93	4.79	0.96	2.47	0.38	2.16	0.34	24.1	257
				B23-7	30-35	Tc:	12.2	19.3	4.4	52.8	112	12.2	44.4	8.35	1.81	6.96	1	5.19	1.05	2.69	0.41	2.32	0.36	27	279
				B23-8	35-40	Tc:	8.9	16.2	3.2	41.9	85.6	9.61	35	6.44	1.57	5.61	0.79	4.11	0.83	2.13	0.32	1.88	0.29	20.7	217
				B23-9	40-45	Tc:	11.4	18.3	4.7	50.5	105	11.45	41.3	7.72	1.8	6.52	0.94	4.81	0.96	2.5	0.38	2.18	0.35	24.8	261
				B23-10	45-50	minor Tc: Tsp:	16.5	12.3	3.4	74.9	168	18.5	72.6	13.85	2.67	11.95	1.67	8.52	1.66	4.14	0.6	3.15	0.46	41.4	424
				B23-11	50-55	Tsp:	19.9	5.5	1.2	60.6	140	15.65	63	12.5	2.71	11.35	1.62	8.36	1.66	4.2	0.61	3.25	0.48	38.8	365
				B23-12	55-60	Tsp:	15.8	4.4	1	49.4	112	12.9	50.5	9.74	2.3	8.3	1.2	6.22	1.25	3.09	0.44	2.31	0.33	29.7	290
				B23-13	60-65	Tsp:	18.8	4.2	0.8	64.1	148	16.75	68.1	13.35	3.16	12.05	1.69	8.7	1.72	4.24	0.6	3.2	0.47	39.9	386
				B23-14	65-70	Tsp:	18.3	5.2	0.9	78	177	20.2	81.2	16.05	3.65	14.25	1.99	10.15	2.01	5.01	0.7	3.76	0.56	47.5	462
				B23-15	70-75	Tsp:	25.5	5.7	1.1	81.5	177.5	20.2	81.3	15.75	3.66	13.5	1.85	9.4	1.87	4.6	0.65	3.46	0.51	45.6	461
				B23-16	75-80	Tsp:	32.6	5.9	1	77.8	166	18.95	76.7	14.5	3.43	12.1	1.59	7.85	1.52	3.7	0.51	2.72	0.4	37.6	425
				B23-17	80-85	Tsp:	17.7	4.8	0.9	68.4	146	17.25	68.8	13.05	3.3	10.65	1.59	8.96	1.72	4.66	0.62	3.58	0.53	43.3	392
				B23-18	85-90	Tsp:	17.8	5	0.9	74.2	151	17.4	67.7	12.9	3.22	11.1	1.65	9.57	1.88	5.16	0.7	4.16	0.6	48.6	410
				B23-19	90-95	Tsp:	17.7	4.6	0.8	71.2	148.5	17.15	67.2	13.05	3.32	11.4	1.75	10.15	2.04	5.58	0.77	4.56	0.65	51.6	409
				B23-20	95-100	Tsp:	17.4	5.1	1	77.9	160	18.25	71.6	13.4	3.34	11	1.65	9.28	1.83	4.91	0.68	4.02	0.58	47.5	426
B24	242196	3781737	1402		0-5	Qal:																			0
					5-10	Qal and Tc																			0
				B24-3	10-15	Tc:	10	14.5	3.4	54.6	107.5	11.85	43.7	7.91	1.91	6.09	0.9	5.04	0.97	2.69	0.38	2.34	0.37	26.4	273
				B24-4	15-20	Tc:	5.8	13	2.7	33.5	68.8	7.77	28.8	5.32	1.49	4.3	0.66	3.81	0.75	2.11	0.31	1.99	0.32	20.3	180
				B24-5	20-25	Tc:	6.1	14.4	3	38.7	78.7	8.74	32	5.89	1.58	4.74	0.72	4.03	0.8	2.26	0.33	2.08	0.33	21.4	202
				B24-6	25-30	Tc:	6.7	18.5	3.2	47.1	94.8	10.55	38.6	7.04	1.67	5.7	0.87	4.91	0.97	2.74	0.4	2.5	0.4	25.7	244
				B24-7	30-35	Tc:	6.1	17.3	2.8	44.4	89.3	9.97	36	6.58	1.52	5.24	0.8	4.51	0.89	2.52	0.37	2.34	0.38	24.4	229
				B24-8	35-40	Tc:	6.6	17.2	3.1	44.1	89.9	9.97	35.9	6.5	1.36	4.99	0.77	4.39	0.87	2.48	0.36	2.31	0.36	24	228
				B24-9	40-45	Tc: brown ss and clay	6.5	22.2	3.9	50.7	101.5	10.75	37.5	6.49	1.63	4.97	0.75	4.38	0.87	2.49	0.37	2.47	0.4	23.5	249
				B24-10	45-50	Tsp:	13.1	12.1	2.7	83.8	179	20.2	79.8	14.8	2.71	11.9	1.72	9.5	1.8	4.75	0.63	3.66	0.53	46.1	461
				B24-11	50-55	Tsp:	16.8	6.4	1.7	76.4	162	19.3	75.4	13.95	2.72	11.1	1.64	9.3	1.78	4.74	0.63	3.6	0.51	44.8	428

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B24-12	55-60	Tsp:	16.9	6.3	1.2	80.2	171.5	20	78.6	14.85	2.98	12.3	1.84	10.5	2.05	5.47	0.73	4.2	0.61	51.6	457
				B24-13	60-65	Tsp:	23.7	6.1	1.1	77.4	162.5	19	75.1	13.7	3.22	10.5	1.49	8.1	1.54	4.08	0.54	3.13	0.45	38.8	420
				B24-14	65-70	Tsp:	17.5	6.1	1	82.7	176.5	20.1	79	14.65	3.64	11.8	1.66	9.18	1.75	4.61	0.62	3.58	0.52	43.3	454
				B24-15	70-75	Tsp:	22.3	6.8	1.4	64.4	135.5	15.85	62.5	11	3.08	7.92	1.02	5.23	0.94	2.42	0.31	1.77	0.26	23.2	335
				B24-16	75-80	Tsp:	16	5.6	0.9	85.4	186	20.8	81.3	15.1	3.65	12	1.78	9.8	1.89	5.1	0.7	4.09	0.6	48.1	476
				B24-17	80-85	Tsp:	14.8	5.4	1	84.8	178	20.4	80.8	14.75	4.4	12.2	1.75	9.65	1.85	4.97	0.68	4.11	0.65	46.2	465
				B24-18	85-90	Tsp:	14.8	5.9	1	83.1	179	20.4	80.8	14.95	3.96	12	1.76	9.78	1.9	5.09	0.69	4.14	0.62	47.9	466
				B24-19	90-95	Tsp:	15.3	5.7	0.9	86.6	182.5	20.6	81.9	15.05	4.03	12.3	1.83	10.2	1.97	5.34	0.72	4.3	0.64	48.7	477
				B24-20	95-100	Tsp:	12.4	4.6	0.9	73.9	156.5	18.4	72.9	13.45	3.58	11.05	1.61	8.89	1.7	4.5	0.59	3.51	0.52	41.3	412
B25	242189	3781764	1406		0-5	Qal:																			0
					5-10	Qal: and Tc:																			0
				B25-3	10-15	Tc: dark red brown ss	12.2	25.1	4.9	77.1	151.5	16.35	59.9	10.7	2.21	8.63	1.29	7.3	1.42	3.95	0.57	3.55	0.54	36.5	382
				B25-4	15-20	Tc: dark red brown ss	12.7	25.7	4.5	76.2	149.5	16	57.6	10.25	2.11	8.01	1.21	6.74	1.31	3.67	0.53	3.33	0.51	34.6	372
				B25-5	20-25	Tc: dark red brown ss	14.8	29.9	5.2	85.5	171.5	18.2	65.2	11.5	2.2	9.02	1.32	7.31	1.4	3.86	0.56	3.37	0.52	35.7	417
				B25-6	25-30	Tc: dark red brown ss	12	23.8	4.3	64.6	132.5	14.2	51.9	9.43	1.93	7.51	1.14	6.4	1.26	3.53	0.51	3.24	0.5	32	331
				B25-7	30-35	Tc: dark red brown ss	10.1	20.8	4.2	55	111	11.85	42.1	7.4	2.22	5.98	0.89	5.06	0.99	2.79	0.41	2.71	0.46	25.4	274
				B25-8	35-40	Tc: dark red brown ss	12	23.9	4.3	69.8	139	14.85	53.2	9.49	1.94	7.24	1.09	6.13	1.2	3.34	0.48	2.96	0.46	31	342
				B25-9	40-45	Tc: dark red brown ss	10.2	18.2	3.8	51	105	11.75	42.9	7.88	1.86	6.29	0.95	5.4	1.06	2.91	0.42	2.71	0.42	27	268
				B25-10	45-50	Tc: dark red brown ss	10.3	21.3	4.1	59.2	118	12.9	46.5	8.33	1.87	6.53	0.99	5.53	1.07	2.99	0.44	2.74	0.43	27.9	295
				B25-11	50-55	Tc: dark red brown ss	7.1	17.6	3	45.3	90	9.95	36.3	6.56	1.64	5.23	0.78	4.53	0.89	2.48	0.37	2.32	0.37	23.6	230
				B25-12	55-60	Tc: dark red brown ss	9	16.6	3.1	54.2	107.5	12.05	44.3	8.22	1.79	6.78	1.02	5.83	1.14	3.18	0.46	2.81	0.43	30.1	280
				B25-13	60-65	Tsp:	17.5	9.6	2.1	57	130	15.4	59.5	11.7	2.36	10.2	1.58	9.18	1.81	4.95	0.68	4.04	0.56	41.7	351
				B25-14	65-70	Tsp:	18.9	6.6	1.3	65.2	141	16.75	65.2	12.6	2.58	11.05	1.72	9.96	1.99	5.49	0.75	4.45	0.63	47.8	387
				B25-15	70-75	Tsp:	17.4	6.2	1	60.8	141.5	16.4	65.1	12.95	2.65	12.2	1.68	9.92	1.92	5.13	0.72	4.35	0.62	50	386
				B25-16	75-80	Tsp:	16.6	4.9	0.8	57.6	126	14.65	58.8	11.25	3.17	10.6	1.42	8.21	1.58	4.21	0.58	3.47	0.52	40.5	343
				B25-17	80-85	Tsp:	14.2	4.8	0.7	59.6	137.5	15.6	61.7	12.05	3.3	11.3	1.5	8.62	1.66	4.42	0.62	3.67	0.54	42.7	365
				B25-18	85-90	Tsp:	14.4	4.7	0.8	61	140.5	15.85	63.6	12.2	3.18	11.7	1.53	8.81	1.67	4.4	0.61	3.61	0.53	42.9	372
				B25-19	90-95	Tsp:	15.9	4.8	0.7	69.8	161	18.15	71.5	14.05	3.63	13.25	1.76	10.05	1.91	5.12	0.72	4.2	0.62	49.7	425
				B25-20	95-100	Tsp:	16.6	5.1	0.7	67	145	16.7	66.9	12.9	3.37	12.6	1.68	9.68	1.84	4.92	0.69	4.15	0.6	48.6	397
B26	242180	3781793	1410	B26-1	0-5	Tc: dark red brown ss and clay	6.9	9.8	2.5	28.9	60.3	6.89	25	4.74	1.76	4.42	0.59	3.38	0.65	1.8	0.27	1.7	0.28	17.6	158
				B26-2	5-10	Tc: dark red brown ss and clay	7.6	10.5	2.7	31.7	66	7.46	27.1	5.03	1.99	4.84	0.63	3.55	0.69	1.91	0.29	1.87	0.31	18.3	172
				B26-3	10-15	Tc: dark red brown ss and clay	9	11.3	2.6	35.2	73.7	8.18	29.7	5.49	2.06	5.3	0.69	3.97	0.76	2.14	0.32	2.06	0.34	20.6	191

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B26-4	15-20	Tc: dark red brown ss and clay	7.5	11.9	2.4	30.2	62.4	7.03	25.3	4.72	2.08	4.5	0.6	3.39	0.65	1.83	0.27	1.8	0.3	17.8	163
				B26-5	20-25	Tc: dark red brown ss and clay	12.1	20.5	4	60.4	124	13.55	49.1	9.02	2.5	8.67	1.16	6.71	1.3	3.62	0.55	3.5	0.55	35.2	320
				B26-6	25-30	Tc: dark red brown ss and clay	12.3	20.5	3.9	60.1	122.5	13.5	48.7	9.08	1.92	8.51	1.15	6.71	1.31	3.68	0.55	3.41	0.52	36.8	318
				B26-7	30-35	Tc: dark red brown ss and clay	10.9	20.3	3.8	57.3	121	13	48.8	9.38	2.23	9.33	1.29	7.61	1.5	4.27	0.65	4.15	0.64	41.2	322
				B26-8	35-40	Tc: dark red brown ss and clay	9.9	17.4	3.5	49	104	11.6	42.8	8.38	1.9	8.14	1.13	6.63	1.3	3.69	0.56	3.52	0.54	35.7	279
				B26-9	40-45	Tc: dark red brown ss and clay	8.6	18.1	3.7	55.9	118	12.9	49.6	9.8	2.15	10	1.41	8.47	1.68	4.81	0.73	4.66	0.73	46.1	327
				B26-10	45-50	Tc: dark red brown ss and clay	12.9	22.3	4.2	59.9	128	13.7	50.2	9.57	2.09	9.4	1.25	7.19	1.38	3.87	0.57	3.6	0.55	36.1	327
				B26-11	50-55	Tc: dark red brown ss and clay	13.8	22.6	4.2	57.8	124	13.1	48.4	9.01	2.17	8.62	1.13	6.52	1.24	3.38	0.5	3.15	0.49	32.6	312
				B26-12	55-60	Tc: dark red brown ss and clay	15	24.6	4.6	61.4	132.5	13.9	51.2	9.37	2.2	9.01	1.18	6.62	1.26	3.42	0.51	3.21	0.49	33	329
				B26-13	60-65	Tc: dark red brown ss and clay	13.6	24.5	4.4	62.8	130.5	13.6	49.2	8.88	2.06	8.48	1.09	6.12	1.18	3.28	0.49	3.04	0.46	31.8	323
				B26-14	65-70	Tc: dark red brown ss and clay	11.8	21.4	4	54.9	114.5	12.4	44.5	8.26	1.91	7.73	1.04	6.18	1.2	3.32	0.51	3.15	0.49	33.4	293
				B26-15	70-75	Tsp:	15.1	10.6	2.4	44.3	105	11.75	44.9	8.78	2.17	9.17	1.25	7.24	1.39	3.82	0.54	3.28	0.48	34.3	278
				B26-16	75-80	Tsp:	15	6.8	1.2	55.8	128.5	14.35	57	10.85	3.32	10.9	1.43	8.17	1.55	4.13	0.58	3.52	0.52	38.3	339
				B26-17	80-85	Tsp:	21.2	4.6	1	49.8	110.5	13	50.2	9.5	2.76	9.79	1.24	6.98	1.32	3.49	0.49	2.85	0.41	33.1	295
				B26-18	85-90	Tsp:	17.4	5.8	0.9	58.4	129.5	14.7	58.3	11.35	3.15	11.4	1.49	8.51	1.61	4.34	0.6	3.55	0.52	42.1	350
				B26-19	90-95	Tsp:	18.2	4.8	0.8	57.3	123	14.1	54.8	10.6	2.91	10.45	1.39	7.97	1.53	4.09	0.58	3.42	0.49	40.3	333
				B26-20	95-100	Tsp:	20.9	4.1	0.7	46.1	97.1	11.6	45.3	8.99	2.67	9.49	1.25	7.18	1.39	3.73	0.52	3.14	0.45	36.5	275
B27	242173	3781822	1404		0-5	Qal:																			0
				B27-2	5-10	Tc:	7.9	10.6	2	32.7	65.7	7.58	27.3	5	1.92	4.63	0.62	3.53	0.67	1.83	0.28	1.75	0.3	18.6	172
				B27-3	10-15	Tc:	7.9	10.5	2.3	33.1	66.4	7.68	27.5	5.02	2.18	4.88	0.63	3.58	0.7	1.93	0.29	1.91	0.32	18.8	175
				B27-4	15-20	Tc:	8	11.1	2.2	31.6	65.1	7.47	27.1	5	2	4.75	0.61	3.49	0.67	1.84	0.27	1.77	0.3	17.8	170
				B27-5	20-25	Tc:	7.6	11.9	2.2	33.7	67.7	7.54	27.1	4.93	2.12	4.69	0.61	3.52	0.68	1.87	0.29	1.89	0.32	19	176
				B27-6	25-30	Tc:	8.7	14.7	2.8	40.6	80.9	9.08	32.5	6.03	2.12	5.72	0.75	4.34	0.83	2.28	0.34	2.26	0.36	23.3	211
				B27-7	30-35	Tc:	9.5	16.5	3.3	44.2	91.9	10.2	36.9	6.85	1.88	6.43	0.86	4.91	0.94	2.57	0.39	2.46	0.39	26.1	237
				B27-8	35-40	Tc:	12.5	21	4.1	56.4	117	12.85	45.7	8.44	2.1	8.08	1.06	6.01	1.16	3.18	0.48	3	0.46	31.6	298
				B27-9	40-45	Tc:	15.7	28.1	4.8	70.6	146.5	15.2	55.7	10.05	2.58	9.44	1.21	6.84	1.31	3.6	0.53	3.38	0.53	35.3	363

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B27-10	45-50	Tc:	13.3	23	4.2	69.1	133.5	14.9	56.5	10.35	2	7.57	1.17	6.47	1.26	3.48	0.53	3.23	0.52	35.2	346
				B27-11	50-55	Tc:	10.2	19.4	3.5	60.6	112	12.9	48.6	9.05	1.84	7.02	1.08	6.06	1.19	3.31	0.49	3.06	0.49	33.2	301
				B27-12	55-60	Tc:	11	20.5	3.8	64.8	119.5	13.4	51.7	9.68	1.91	7.47	1.15	6.45	1.29	3.53	0.54	3.28	0.52	35.6	321
				B27-13	60-65	Tc:	11.3	20.7	4	62.5	120	13.45	52	9.59	1.91	7.59	1.18	6.53	1.28	3.49	0.53	3.22	0.51	33.6	317
				B27-14	65-70	Tc:	10.1	19.8	3.5	59.6	113.5	12.5	47.7	8.74	1.71	6.74	1.07	6.01	1.18	3.29	0.5	3.01	0.48	31.9	298
				B27-15	70-75	Tsp:	14.2	11	1.7	74	145.5	17.05	68.6	12.85	2.51	10.3	1.57	8.67	1.67	4.5	0.64	3.63	0.53	44	396
				B27-16	75-80	Tsp:	17.2	5.5	0.9	76.1	151	18.2	74.3	14.3	3.22	12	1.84	10.05	1.98	5.33	0.75	4.27	0.65	49.3	423
				B27-17	80-85	Tsp:	17.1	4.8	0.9	69	132.5	15.7	62.8	12.05	2.83	10.45	1.57	8.78	1.73	4.59	0.66	3.71	0.56	44.2	371
				B27-18	85-90	Tsp:	13.3	3.6	0.7	58.3	115.5	13.6	54.8	10.65	2.4	8.91	1.38	7.79	1.53	4.13	0.59	3.44	0.53	38.6	322
				B27-19	90-95	Tsp:	17.6	5.2	0.7	76.3	152	17.6	69.5	13.4	2.89	10.8	1.69	9.6	1.9	5.15	0.74	4.37	0.68	52.9	420
				B27-20	95-100	Tsp:	16.8	4.6	0.7	81.5	158.5	18.6	74.9	14.45	3.17	12	1.85	10.4	2.04	5.55	0.81	4.7	0.72	53	442
B28	242162	3781854	1395		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal: some Tc:																			0
				B28-5	20-25	Tc: conglomerate fragments	7.6	12.1	2.1	42.5	78.4	9.15	34.3	6.22	1.86	4.81	0.74	4.09	0.78	2.18	0.32	2.06	0.34	21.1	209
				B28-6	25-30	Tc: conglomerate fragments	7.3	11.5	2.1	40.6	73.1	8.61	32.3	5.85	1.94	4.64	0.7	3.88	0.76	2.08	0.32	2	0.35	20.9	198
				B28-7	30-35	Tc: conglomerate fragments	7.7	12.1	2.2	42.7	78.1	8.98	33.8	6.11	1.79	4.67	0.7	3.92	0.75	2.07	0.31	1.9	0.32	20.3	206
				B28-8	35-40	Tc: conglomerate fragments	7.3	10.4	1.9	40	73.5	8.6	32.1	5.77	2.01	4.45	0.67	3.68	0.7	1.92	0.28	1.82	0.32	18.2	194
				B28-9	40-45	Tc: conglomerate fragments	8.3	12.4	2.3	45.7	82.8	9.54	35.5	6.26	1.68	4.75	0.72	3.97	0.77	2.09	0.32	1.95	0.32	20	216
				B28-10	45-50	Tc: dark red brown ss and clay	12.3	22.9	4.1	73.2	135.5	14.85	55.6	10	2.22	7.66	1.15	6.3	1.21	3.29	0.49	3.05	0.5	32.5	348
				B28-11	50-55	Tc: dark red brown ss and clay	15.6	30.3	5	95.9	177.5	19.25	71.2	12.7	2.4	9.58	1.44	7.82	1.49	4.1	0.61	3.72	0.59	39.9	448
				B28-12	55-60	Tc: dark red brown ss and clay	12	23	4	70.5	132	14.7	55.8	10.15	1.99	7.83	1.2	6.49	1.29	3.54	0.53	3.23	0.51	33.8	344
				B28-13	60-65	Tc: dark red brown ss and clay	13.3	26.5	4.3	82.9	154	16.85	62.7	11.3	2.23	8.84	1.34	7.39	1.42	3.92	0.6	3.6	0.56	37.2	395
				B28-14	65-70	Tc: dark red brown ss and clay	11.5	21.7	3.9	66.9	127.5	14.25	54.4	10.3	2.02	8.15	1.27	7.31	1.44	4.05	0.61	3.75	0.6	37.6	340
				B28-15	70-75	Tsp:	12.5	14.6	2.7	68.5	133.5	15.4	60.5	11.35	2.28	9.19	1.42	7.88	1.52	4.17	0.61	3.67	0.56	39.3	360
				B28-16	75-80	Tsp:	15.2	7.1	1.1	70.2	138.5	16.45	66.9	13.05	2.89	10.9	1.66	9.25	1.8	4.83	0.69	3.95	0.6	46	388
				B28-17	80-85	Tsp:	16.6	6.7	1	78.2	151.5	17.8	71.8	13.9	3.1	12	1.87	10.55	2.08	5.62	0.82	4.85	0.73	53.6	428

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B28-18	85-90	Tsp:	20.1	4.8	1.2	75.8	149	18.15	75.9	14.75	3.31	12.65	1.92	10.75	2.14	5.85	0.84	4.89	0.73	54.6	431
				B28-19	90-95	Tsp:	20.6	3.5	1.1	67.6	135.5	17.05	71.4	14.65	3.51	12.55	1.87	10.25	2.01	5.31	0.76	4.45	0.67	52.2	400
				B28-20	95-100	Tsp:	19.7	3.8	0.8	70.2	140	16.55	67.7	13.8	3.44	11.85	1.79	10.1	1.98	5.42	0.78	4.63	0.71	51.9	401
B29	242139	3781873	1395		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
				B29-5	20-25	Tc: conglomerate fragments	7.4	11.1	2	40.1	74.1	8.71	32.6	5.84	2.05	4.67	0.7	3.9	0.76	2.1	0.32	2.05	0.36	20.1	198
				B29-6	25-30	Tc: conglomerate fragments	6.7	11.2	2.1	37.8	69.4	8.2	30.8	5.59	2.26	4.41	0.66	3.6	0.71	1.92	0.29	1.92	0.36	18.6	187
				B29-7	30-35	Tc: conglomerate fragments	7.7	10.8	1.9	38.7	72.3	8.47	31.4	5.72	2.03	4.44	0.67	3.65	0.71	1.95	0.3	1.87	0.34	18.6	191
				B29-8	35-40	Tc: conglomerate fragments	6.5	9.4	1.9	32.7	59.6	7.25	27.3	5.07	1.7	4.18	0.63	3.57	0.7	1.96	0.3	1.95	0.33	18.3	166
				B29-9	40-45	Tc: conglomerate fragments	7.5	11.2	2.2	38.5	71	8.36	31.2	5.71	1.91	4.47	0.66	3.7	0.72	1.97	0.3	1.92	0.34	18.8	190
				B29-10	45-50	Tc: conglomerate fragments	7.6	10.7	2	34.1	64.8	7.82	29.5	5.54	2.01	4.5	0.69	3.78	0.75	2.02	0.3	1.93	0.34	18.3	176
				B29-11	50-55	Tc: conglomerate fragments	6	9.2	1.8	29.3	58.6	7.02	26.9	5.05	1.72	3.93	0.61	3.38	0.66	1.83	0.28	1.78	0.31	16.9	158
				B29-12	55-60	Tc: conglomerate fragments	7.7	10.7	2.1	32.2	66.8	7.57	27.4	4.89	2.01	4.21	0.57	2.93	0.59	1.67	0.23	1.58	0.27	17.9	171
				B29-13	60-65	Tc: conglomerate fragments	7.2	10.5	2.1	32.8	66.9	7.47	26.7	4.81	1.86	4.07	0.56	2.9	0.58	1.68	0.23	1.57	0.27	18.3	171
				B29-14	65-70	Tc: conglomerate fragments	7.5	11.3	2.1	36	71.7	7.96	28.5	4.94	1.86	4.24	0.59	3.07	0.6	1.7	0.23	1.57	0.26	18.2	181
				B29-15	70-75	Tc: conglomerate fragments	7.5	11.1	2.1	36.2	71.3	7.89	28.1	4.97	2.64	4.3	0.58	3.01	0.61	1.74	0.24	1.68	0.31	19.5	183
				B29-16	75-80	Tc: dark red brown ss	14.3	24.2	4.3	67.7	136	14.15	50.6	8.59	2.08	7.38	0.99	4.93	0.97	2.77	0.38	2.46	0.38	30.6	330
				B29-17	80-85	Tsp:	20.2	11.6	2.3	69.6	149	16.3	61.5	11.45	2.47	10.5	1.48	7.7	1.56	4.32	0.57	3.61	0.53	48	389
				B29-18	85-90	Tsp:	19.7	6	1.3	70.4	152	17.1	66.3	12.2	2.76	11.2	1.54	7.97	1.59	4.39	0.56	3.49	0.51	47.7	400
				B29-19	90-95	Tsp:	15.7	5.1	1	76.7	166.5	18.8	72.5	12.9	2.92	11.1	1.5	7.67	1.52	4.14	0.53	3.2	0.48	44.5	425
				B29-20	95-100	Tsp:	17	4.8	0.8	83.7	187.5	21.3	81.7	14.85	2.99	12.85	1.72	8.74	1.72	4.67	0.58	3.6	0.53	50.9	477
B30	242116	3781894	1394		0-5	Qal:																			0
					5-10	Qal:																			0

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0
					25-30	Qal:																			0
				B30-7	30-35	Tc: conglomerate fragments	7.6	11.4	2.2	35.3	68.6	7.68	27.6	4.82	1.65	4.29	0.59	3.05	0.61	1.76	0.24	1.62	0.26	19.2	177
				B30-8	35-40	Tc: conglomerate fragments	8	11.2	2.2	37.7	73.2	8.13	29.2	5.1	2.06	4.55	0.61	3.17	0.64	1.78	0.24	1.64	0.27	19.3	188
				B30-9	40-45	Tc: conglomerate fragments	8.3	10.1	2	33	65.5	7.28	26.2	4.64	1.8	4.18	0.56	2.88	0.58	1.65	0.23	1.53	0.25	17.9	168
				B30-10	45-50	Tc: dark red brown ss	10	13.9	2.7	43.5	86.7	9.52	34	6.04	1.94	5.35	0.73	3.69	0.75	2.17	0.29	1.93	0.31	23.2	220
				B30-11	50-55	Tc: dark red brown ss	9.8	14.2	2.8	42.7	86.7	9.52	34.2	6.05	2.04	5.44	0.75	3.85	0.78	2.22	0.3	2.07	0.33	24.7	222
				B30-12	55-60	Tc: ss and fragments	7.3	11.7	2.2	36	72.4	8.01	28.9	5.1	1.83	4.57	0.63	3.22	0.64	1.84	0.25	1.7	0.28	20	185
				B30-13	60-65	Tc: ss and fragments	8.3	10.7	2.1	33.2	66.1	7.48	27.1	4.81	1.91	4.44	0.6	3.14	0.63	1.76	0.24	1.65	0.27	18.6	172
				B30-14	65-70	Tc: ss and fragments	8.2	10.3	2	31.2	64.1	7.16	26	4.64	1.92	4.21	0.58	3.03	0.6	1.72	0.24	1.59	0.27	18	165
				B30-15	70-75	Tc: ss and fragments	8.4	11.3	2.2	34.6	69.8	7.8	28.2	5.06	2.12	4.63	0.64	3.29	0.65	1.86	0.26	1.79	0.29	20	181
				B30-16	75-80	Tc: ss and fragments	8.3	10.8	2.1	34.7	68.3	7.63	27.4	4.96	1.9	4.37	0.59	3.06	0.61	1.73	0.24	1.61	0.27	18.8	176
				B30-17	80-85	Tc: ss and fragments	8	10.8	2.1	35.2	69.2	7.72	27.9	4.91	2.09	4.56	0.61	3.15	0.63	1.82	0.25	1.66	0.28	19.7	180
				B30-18	85-90	Tc: ss and fragments	8.4	11.1	2.1	37.4	74.6	8.04	29.2	5.13	2.43	4.77	0.64	3.26	0.64	1.87	0.26	1.75	0.3	20.4	191
				B30-19	90-95	Tc:	9.3	11.3	2.1	40.4	81.7	8.92	32.4	5.71	2.11	5.24	0.72	3.68	0.73	2.06	0.28	1.85	0.3	22.3	208
				B30-20	95-100	10% Tc: 90% Tsp:	13.1	6.2	1.1	55.4	123	13.7	53.5	9.6	2.67	8.66	1.15	5.85	1.15	3.2	0.41	2.57	0.38	32.8	314
B31	242094	3781913	1393		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
				B31-5	20-25	Tc: conglomerate fragments and ss	7.3	10.5	2	33.6	66	7.32	26.6	4.68	1.57	4.21	0.58	2.95	0.59	1.69	0.23	1.52	0.24	18.3	170
				B31-6	25-30	Tc: conglomerate fragments and ss	8	11.9	2.1	38.6	73.9	8.19	29.1	4.99	1.73	4.48	0.6	3.11	0.62	1.79	0.24	1.6	0.27	19.6	189

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B31-7	30-35	Tc: conglomerate fragments and ss	8.3	10.8	2	35	68.3	7.6	27.4	4.75	1.68	4.43	0.6	3.09	0.63	1.79	0.24	1.64	0.27	19.3	177
				B31-8	35-40	Tc: conglomerate fragments and ss	8.5	11.7	2.1	36.9	73.5	8.13	29.3	5.16	1.73	4.77	0.63	3.26	0.66	1.86	0.25	1.69	0.27	20.4	189
				B31-9	40-45	Tc: dark red brown ss	12.2	17.7	3.3	51.1	101	10.9	39.7	6.92	1.94	6.42	0.85	4.36	0.88	2.52	0.34	2.31	0.36	27.2	257
				B31-10	45-50	Tc: dark red brown ss	11.9	16.9	3.3	49.2	98.2	10.65	38.5	6.81	2.07	6.17	0.84	4.35	0.86	2.45	0.33	2.26	0.36	26.9	250
				B31-11	50-55	Tc: dark red brown ss	10.5	15.4	3	45.4	91.3	9.98	35.7	6.36	2.45	6.06	0.83	4.21	0.85	2.42	0.33	2.26	0.37	26.4	235
				B31-12	55-60	Tc: dark red brown ss	14.4	20.8	3.9	61.4	120.5	12.85	46.4	7.96	2.29	7.53	0.99	5.05	1.01	2.87	0.39	2.63	0.41	31.3	304
				B31-13	60-65																				0
				B31-14	65-70																				0
				B31-15	70-75																				0
				B31-16	75-80																				0
				B31-17	80-85																				0
				B31-18	85-90																				0
				B31-19	90-95																				0
				B31-20	95-100																				0
B32	242071	3781934	1390		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	70% Qal: 30% Tc: red beds																			0
				B32-6	25-30	Tc: red beds	7.6	11.4	2.2	36.4	70.3	8.04	29.6	5.43	2.05	4.44	0.65	3.71	0.74	1.95	0.31	1.8	0.3	19.9	186
				B32-7	30-35	Tc: red beds	6.5	12.3	2.1	33.2	65.2	7.4	27	4.8	1.98	4.18	0.61	3.43	0.68	1.87	0.29	1.77	0.3	19.1	172
				B32-8	35-40	Tc: red beds	7.3	11.5	2.2	32.6	65.9	7.57	27.9	5.14	2.51	4.58	0.65	3.64	0.74	1.97	0.31	1.88	0.33	20.2	176
				B32-9	40-45	Tc: red beds	7.7	10.7	2.4	32.6	61.3	7.33	27.5	5	1.8	4.36	0.63	3.61	0.72	1.95	0.3	1.74	0.28	20.1	169
				B32-10	45-50	Tc: red beds	8.4	11	2.4	34.1	67.2	7.75	29.1	5.36	1.93	4.42	0.63	3.67	0.72	1.91	0.29	1.71	0.28	20.3	179
				B32-11	50-55	Tc: red beds	7.6	11.5	2.3	33.1	65.7	7.47	27.8	5.18	2.69	4.67	0.65	3.75	0.74	1.96	0.31	1.9	0.33	19.8	176
				B32-12	55-60	Tc: red beds	13.6	20.6	3.8	55.1	111.5	12.7	45.5	8.15	2.56	6.85	1	5.54	1.1	2.97	0.45	2.67	0.43	31	288
				B32-13	60-65	Tc: red beds	12.2	16.3	2.9	45.4	91.3	10.55	38.2	7	2.15	5.81	0.84	4.71	0.93	2.43	0.38	2.19	0.36	25.5	238
				B32-14	65-70	Tc: red beds	9.3	13.1	2.5	36.3	73.7	8.59	31.7	5.95	1.98	5.24	0.74	4.25	0.85	2.23	0.35	2.08	0.33	22.6	197
				B32-15	70-75	Tc: red beds	8.7	11.5	2.2	33.4	69.8	8.01	29.7	5.52	2.07	4.67	0.69	3.9	0.78	2.07	0.31	1.9	0.3	20.3	183
				B32-16	75-80	Tc: red beds	8.8	12.6	2.4	37.8	76	8.57	31.7	5.79	2.04	4.93	0.69	3.92	0.78	2.08	0.31	1.85	0.31	21.7	198
				B32-17	80-85	Tc: red beds	8.5	12.4	2.4	35.2	70.6	8.11	30.1	5.56	2.18	4.86	0.69	3.92	0.79	2.06	0.33	1.87	0.31	21.3	188
				B32-18	85-90	Tc: red beds	10.2	14.7	2.6	40.5	83.3	9.24	34.4	6.45	2.21	5.56	0.8	4.54	0.91	2.42	0.36	2.21	0.36	25.1	218
B33	242048	3781954	1392		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
						50% Qal: 50%																			
					25-30	Tc: red beds																			0
						50% Qal: 50%																			
				B33-7	30-35	Tc: red beds	7.8	10.4	2	34.2	65.6	7.57	28	5	1.64	4.37	0.62	3.47	0.68	1.86	0.28	1.66	0.27	19.3	175
						50% Qal: 50%																			
				B33-8	35-40	Tc: red beds	8.5	10.7	2.2	34.9	66.7	7.73	28.5	5.27	1.92	4.63	0.66	3.71	0.75	1.97	0.3	1.73	0.29	20	179
						50% Qal: 50%																			
				B33-9	40-45	Tc: red beds	9.2	11.1	2.2	33.6	65.8	7.67	28.5	5.13	1.89	4.5	0.64	3.59	0.72	1.89	0.28	1.69	0.27	19.1	175
						50% Qal: 50%																			
				B33-10	45-50	Tc: red beds	8.9	10.3	2.2	33.4	65.9	7.54	27.8	5.16	2.39	4.37	0.61	3.43	0.68	1.86	0.28	1.68	0.29	19	174
						50% Qal: 50%																			
				B33-11	50-55	Tc: red beds	8.8	12.1	2.6	34.5	68.6	7.94	29.7	5.52	2.49	4.7	0.65	3.7	0.73	1.96	0.31	1.86	0.31	18.8	182
						50% Qal: 50%																			
				B33-12	55-60	Tc: red beds	7.7	10	2.3	24.5	52.5	6.13	23.3	4.47	1.73	3.8	0.56	3.16	0.64	1.74	0.28	1.68	0.28	15.2	140
						50% Qal: 50%																			
				B33-13	60-65	Tc: red beds	8.8	13.8	2.6	27.1	58.2	6.82	25.8	4.95	1.81	4.31	0.63	3.68	0.76	2.08	0.33	1.98	0.32	18.7	157
						50% Qal: 50%																			
				B33-14	65-70	Tc: red beds	7.9	9.7	2.2	27.8	58.2	6.88	25.8	4.89	1.93	4.28	0.62	3.56	0.72	1.94	0.29	1.74	0.28	18.6	158
						50% Qal: 50%																			
				B33-15	70-75	Tc: red beds	7.8	9.6	2.1	26.9	57	6.73	25.5	4.82	1.83	4.27	0.61	3.51	0.72	1.91	0.29	1.71	0.28	18.8	155
						50% Qal: 50%																			
				B33-16	75-80	Tc: red beds	8.9	11.1	2.5	33.6	68.3	7.92	29.5	5.58	2.17	4.87	0.7	3.99	0.8	2.11	0.32	1.87	0.31	21.2	183
						50% Qal: 50%																			
				B33-17	80-85	Tc: red beds	8.2	10.7	2.3	31	63.7	7.4	27.3	4.99	2.03	4.48	0.65	3.61	0.73	1.94	0.3	1.77	0.29	19.2	169
						50% Qal: 50%																			
				B33-18	85-90	Tc: red beds	7.8	11.7	2.4	37.7	74.8	8.41	31.4	5.74	2.36	5.1	0.72	4.12	0.81	2.15	0.34	1.99	0.33	22.4	198
						50% Qal: 50%																			
				B33-19	90-95	Tc: red beds	9	9.4	2	31.5	63.8	7.35	27.4	5.07	1.85	4.43	0.64	3.68	0.73	1.96	0.3	1.72	0.28	19.5	170
						50% Qal: 50%																			
				B33-20	95-100	Tc: red beds	7.9	9.2	2	24.9	54.4	6.38	24.2	4.69	1.93	4.14	0.61	3.47	0.69	1.92	0.3	1.69	0.28	17.7	147
B34	242025	3781974	1394		0-5	Qal:																			0
						30% Qal: 70%																			
				B34-2	5-10	Tc: red beds	7.9	10.9	2.2	36.4	71.7	8.2	30.4	5.5	1.94	4.65	0.67	3.82	0.77	2.01	0.32	1.83	0.29	21.4	190
						30% Qal: 70%																			
				B34-3	10-15	Tc: red beds	8.3	10.4	2.2	31.8	63.7	7.48	27.9	5.21	2.08	4.54	0.64	3.58	0.71	1.89	0.29	1.69	0.28	19.5	171
						30% Qal: 70%																			
				B34-4	15-20	Tc: red beds	7.6	9.9	2.2	31.3	62.8	7.24	26.9	4.98	1.78	4.45	0.62	3.46	0.68	1.78	0.26	1.64	0.26	18.6	167
						30% Qal: 70%																			
				B34-5	20-25	Tc: red beds	7.7	9.7	2.1	31.1	62.5	7.36	27.5	5.16	1.88	4.41	0.63	3.51	0.71	1.87	0.29	1.72	0.27	19.3	168
						30% Qal: 70%																			
				B34-6	25-30	Tc: red beds	8.3	12.8	2.4	38.6	74.7	8.56	31.5	5.66	2.04	4.9	0.7	3.87	0.75	1.99	0.3	1.77	0.29	20.7	196
						30% Qal: 70%																			
				B34-7	30-35	Tc: red beds	8.1	11.4	2.2	33.2	66.1	7.6	27.9	5.03	2.29	4.41	0.63	3.57	0.7	1.86	0.29	1.74	0.29	19.2	175
						30% Qal: 70%																			
				B34-8	35-40	Tc: red beds	8.3	10.9	2.3	30.9	63.3	7.35	27.1	5.14	2.28	4.43	0.63	3.63	0.72	1.96	0.3	1.8	0.3	20	170
						30% Qal: 70%																			
				B34-9	40-45	Tc: red beds	9	9.8	2	33.7	66.8	8.17	29.6	5.51	2	4.62	0.64	3.51	0.67	1.89	0.26	1.67	0.28	16.7	176

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B34-10	45-50	30% Qal: 70% Tc: red beds	5.8	7.2	1.7	17.6	36.6	4.75	17.7	3.43	1.09	3.02	0.44	2.5	0.5	1.45	0.21	1.35	0.22	10.8	102
				B34-11	50-55	30% Qal: 70% Tc: red beds	5.7	6.8	1.5	11.2	24.3	3.15	12	2.44	0.86	2.2	0.34	2.05	0.42	1.27	0.19	1.27	0.21	8.7	71
				B34-12	55-60	30% Qal: 70% Tc: red beds	6.2	7.3	1.7	14.5	31.8	4.23	16.3	3.31	1.03	2.91	0.46	2.66	0.53	1.54	0.22	1.42	0.23	10.7	92
				B34-13	60-65	30% Qal: 70% Tc: red beds	7.8	9.9	1.9	27.1	55.9	7.14	26.5	5.12	1.47	4.41	0.64	3.59	0.7	2	0.27	1.73	0.27	16.8	154
				B34-14	65-70	30% Qal: 70% Tc: red beds	8.2	11.6	2.1	35.2	71.8	8.66	31.6	5.95	1.57	4.91	0.7	3.81	0.75	2.13	0.29	1.84	0.29	18.8	188
				B34-15	70-75	30% Qal: 70% Tc: red beds	9.7	10.9	2.1	36.2	71.8	8.82	32.3	5.98	1.62	5.01	0.71	3.86	0.75	2.09	0.28	1.77	0.27	19	190
				B34-16	75-80	30% Qal: 70% Tc: red beds	9.1	9.9	2	37.6	72.8	8.85	32.2	5.92	1.67	4.92	0.69	3.74	0.73	2.04	0.27	1.7	0.26	18.4	192
				B34-17	80-85	30% Qal: 70% Tc: red beds	9.8	11.5	2.2	40.3	79	9.58	34.6	6.52	1.72	5.35	0.75	4.15	0.81	2.24	0.3	1.85	0.29	20.6	208
				B34-18	85-90	30% Qal: 70% Tc: red beds	9.9	10.4	2.1	37.5	72.1	8.86	32.1	6.02	1.64	4.93	0.71	3.88	0.76	2.11	0.29	1.83	0.28	19.6	193
				B34-19	90-95	30% Qal: 70% Tc: red beds	9.2	12	2.3	38.4	76	9.16	33.4	6.19	1.69	5.25	0.75	4.1	0.8	2.24	0.31	1.89	0.3	20.3	201
				B34-20	95-100	30% Qal: 70% Tc: red beds	9	11.3	2.2	38.3	75.4	9.24	33.6	6.2	1.84	5.2	0.73	3.98	0.77	2.12	0.29	1.81	0.29	19.3	199
B35	242000	3781996	1397	B35-1	0-5	Tc: red beds	11	8.5	1.8	35.6	69	8.48	30.9	5.79	1.55	4.79	0.68	3.74	0.74	2.12	0.28	1.8	0.28	20.4	186
				B35-2	5-10	Tc: red beds	10.6	7.8	1.8	33	64.1	7.88	28.9	5.54	1.5	4.66	0.66	3.65	0.72	2	0.28	1.74	0.27	19.5	174
				B35-3	10-15	Tc: red beds	11	8.5	2	34.5	67.3	8.22	30.1	5.7	1.53	4.77	0.7	3.85	0.76	2.14	0.29	1.83	0.28	20	182
				B35-4	15-20	Tc: red beds	10.3	6.8	1.7	29	56.6	6.99	25.4	4.91	1.63	4.14	0.61	3.4	0.67	1.9	0.26	1.68	0.27	17.6	155
				B35-5	20-25	Tc: red beds	7.9	9.6	2	33.7	66.1	8.05	29	5.35	1.66	4.44	0.63	3.48	0.68	1.93	0.26	1.7	0.27	17.8	175
				B35-6	25-30	Tc: red beds	9.2	13	2.7	44.1	85.2	10.25	36.7	6.84	1.79	5.64	0.81	4.48	0.87	2.46	0.34	2.1	0.33	22.4	224
				B35-7	30-35	Tc: red beds	9.3	11.7	2.3	38.5	73.1	8.94	32	5.83	1.53	4.72	0.68	3.69	0.71	2.01	0.28	1.74	0.27	17.5	192
				B35-8	35-40	Tc: red beds	8.4	10.4	1.9	31.2	61.2	7.54	27.2	4.95	1.93	4.14	0.58	3.24	0.64	1.78	0.25	1.64	0.28	15.3	162
				B35-9	40-45	Tc: red beds	8.2	10.4	1.9	30.1	59.8	7.47	27.1	4.98	1.55	4.17	0.6	3.29	0.64	1.81	0.25	1.6	0.25	15.4	159
				B35-10	45-50	Tc: red beds	8.3	8.8	1.8	25.9	50.6	6.43	23.5	4.37	1.29	3.68	0.54	3.04	0.59	1.69	0.23	1.51	0.23	14.1	138
				B35-11	50-55	Tc: red beds	8	7.8	1.7	20.7	41.9	5.34	19.7	3.78	1.13	3.18	0.48	2.7	0.53	1.53	0.22	1.34	0.21	12	115
				B35-12	55-60	Tc: red beds	8.9	9.8	1.9	33.4	62.1	7.6	27.5	5	1.41	4.12	0.59	3.25	0.63	1.78	0.24	1.54	0.24	15.1	165
				B35-13	60-65	Tc: red beds	6.4	6.8	1.7	17.1	35.5	4.61	17.4	3.46	1.04	2.97	0.45	2.55	0.51	1.47	0.21	1.39	0.22	10.7	100
				B35-14	65-70	Tc: red beds	8.5	10.6	2.3	32.2	66.6	8.3	30.6	5.76	1.58	4.76	0.7	3.84	0.74	2.1	0.29	1.86	0.29	17.6	177
				B35-15	70-75	Tc: red beds	8.5	10.3	2.1	33.9	67.8	8.41	30.4	5.62	1.52	4.6	0.66	3.63	0.7	1.98	0.27	1.68	0.26	17.5	179
				B35-16	75-80	Tc: red beds	8.2	10.6	2	35.6	68.2	8.43	30.4	5.52	1.53	4.54	0.64	3.51	0.68	1.89	0.26	1.63	0.25	17.4	180
				B35-17	80-85	Tc: red beds	8.1	11.4	2.2	34.7	68.6	8.26	30	5.58	1.53	4.63	0.66	3.64	0.72	2.02	0.27	1.74	0.28	18.1	181
				B35-18	85-90	Tc: red beds	8.4	12.6	2.1	37.8	71.9	8.88	31.8	5.9	1.64	4.84	0.68	3.73	0.72	2.02	0.28	1.76	0.28	18.8	191
				B35-19	90-95	Tc: red beds	9.2	12.2	2.7	42	79.8	9.68	34.9	6.37	1.76	5.19	0.73	4.04	0.77	2.16	0.29	1.86	0.29	19.8	210
				B35-20	95-100	Tc: red beds	8.7	13.2	2.6	44.8	88.3	10.5	37.9	7.04	1.65	5.73	0.83	4.58	0.89	2.5	0.34	2.11	0.33	23.1	231
B36	241976	3782018	1403	B36-1	0-5	Tc: red beds	8.4	12.2	2.2	43.9	84.5	10.2	36.9	6.63	1.62	5.29	0.73	3.96	0.78	2.17	0.3	1.87	0.3	20.5	220
				B36-2	5-10	Tc: red beds	9	11.1	2.5	45.2	85.5	10.3	36.8	6.73	2.43	5.41	0.75	4.09	0.79	2.2	0.3	2	0.34	21.5	224
				B36-3	10-15	Tc: red beds	7.9	11.2	2.6	36.5	69.4	8.28	29.3	5.59	2.57	3.97	0.6	3.38	0.66	1.87	0.27	1.89	0.33	18.5	183
				B36-4	15-20	Tc: red beds	7.9	10.7	2.3	30.6	58.3	6.92	24.8	4.65	2.98	3.33	0.5	2.93	0.57	1.63	0.25	1.79	0.33	16.7	156
				B36-5	20-25	Tc: red beds	7.7	9.8	2.1	30.1	57.5	6.96	25	4.72	2.5	3.55	0.53	3.1	0.62	1.78	0.26	1.83	0.31	17.6	156
				B36-6	25-30	Tc: red beds	7.7	9.4	2	28.4	54	6.57	23.5	4.54	2.06	3.18	0.5	2.91	0.58	1.65	0.25	1.73	0.3	16.3	146

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				B36-7	30-35	Tc: red beds	8.2	9.3	1.9	28.3	55.4	6.77	24.5	4.67	1.74	3.47	0.52	3.02	0.59	1.69	0.24	1.57	0.25	16	149
				B36-8	35-40	Tc: red beds	8.5	9.7	1.8	29.1	55.5	6.74	24.1	4.64	1.41	3.38	0.51	2.97	0.57	1.64	0.23	1.52	0.24	14.8	147
				B36-9	40-45	Tc: red beds	7.1	8.8	1.8	22.8	45.8	5.67	20.6	4.02	1.29	2.92	0.44	2.6	0.51	1.43	0.21	1.37	0.22	12.9	123
				B36-10	45-50	Tc: red beds	6.3	7.6	1.7	18.2	37	4.72	17.6	3.59	1.27	2.64	0.4	2.34	0.46	1.34	0.2	1.35	0.22	11.4	103
				B36-11	50-55	Tc: red beds	7	10.5	2	24.5	50.4	6.25	22.9	4.58	1.58	3.48	0.54	3.08	0.61	1.78	0.26	1.7	0.28	16.1	138
				B36-12	55-60	Tc: red beds	7.6	12.1	2.3	37.1	67.5	8.16	29.1	5.5	2.16	4.25	0.62	3.57	0.7	2.01	0.29	1.94	0.33	20.7	184
				B36-13	60-65	Tc: red beds	8	11.3	2.4	35.5	65.8	7.93	28.2	5.38	1.94	4.11	0.6	3.38	0.65	1.86	0.27	1.77	0.28	18.6	176
				B36-14	65-70	Tc: red beds	7.2	10.2	2.3	27.8	54.9	6.71	24.3	4.63	1.68	3.65	0.55	3.12	0.61	1.77	0.25	1.67	0.27	16.2	148
				B36-15	70-75	Tc: red beds	9.9	11.1	2.3	35.9	68.5	8.12	28.7	5.44	1.94	4.31	0.61	3.52	0.67	1.95	0.28	1.78	0.29	19	181
				B36-16	75-80	Tc: red beds	9.1	11.1	2	33.6	64.9	7.77	27.9	5.26	1.85	4.24	0.62	3.53	0.69	1.91	0.28	1.79	0.28	18.5	173
				B36-17	80-85	Tc: red beds	8.2	9.7	2	27.8	55.6	6.75	24.6	4.78	1.73	3.85	0.58	3.31	0.65	1.83	0.27	1.7	0.27	17.2	151
				B36-18	85-90	Tc: red beds	7.4	10.1	1.9	26.7	53.6	6.6	24	4.62	1.61	3.66	0.54	3.14	0.61	1.7	0.24	1.58	0.25	15.9	145
				B36-19	90-95	Tc: red beds	7.7	10.2	2.1	28.4	57	6.96	25.2	4.88	1.69	3.97	0.59	3.41	0.66	1.87	0.27	1.75	0.28	17.4	154
				B36-20	95-100	Tc: red beds	7.7	11	2.1	30.7	60.9	7.4	26.5	5.03	1.72	4.06	0.59	3.33	0.65	1.85	0.27	1.73	0.28	17.1	162
C11	243465	3781218	1486		0-5																				0
					5-10																				0
					10-15																				0
					15-20																				0
					20-25																				0
					25-30																				0
					30-35																				0
					35-40																				0
					40-45																				0
					45-50																				0
				C11-11	50-55		7.2	10	1.8	35.3	73	9.16	34.8	6.59	1.72	5.61	0.8	4.47	0.89	2.49	0.35	2.27	0.31	24.2	202
				C11-12	55-60		6.8	10.1	1.8	35.6	72.3	8.9	33.5	6.31	1.59	5.07	0.74	4.26	0.83	2.31	0.33	2.11	0.3	22.7	197
C12	243444	3781240	1485		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0
					25-30	Qal:																			0
					30-35	Qal:																			0
					35-40	Qal:																			0
					40-45	Qal:																			0
						80% Qal: 20%																			
					45-50	Tc:																			0
C14	243407	3781287	1481		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0
					25-30	Qal:																			0
					30-35	Qal:																			0
					35-40	Qal:																			0
					40-45	Qal:																			0

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
					45-50	50% Qal: 50% Tc: red beds, dark red brown ss and conglomerate																			0
					50-55	Tc:																			0
				C14-12	55-60	Tc:	7.3	10.5	2.1	38.4	77.9	9.29	35.8	6.75	1.66	5.58	0.78	4.47	0.85	2.39	0.34	2.17	0.31	23.8	210
				C14-13	60-65	Tc:	6.3	10.7	2.1	33	69.1	8.4	31.5	5.97	1.49	4.91	0.71	4.04	0.78	2.2	0.31	2.01	0.28	21.4	186
				C14-14	65-70	Tc:	5.8	9.4	1.6	26.2	57.1	6.87	25.8	5.03	1.39	4.14	0.61	3.56	0.69	1.95	0.28	1.81	0.25	19.2	155
C15	243388	3781309	1480		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0
					25-30	Qal:																			0
					30-35	Qal:																			0
					35-40	Qal:																			0
					40-45	Qal:																			0
				C15-10	45-50	Tc: red beds	7.4	11	2.2	37.3	77.6	9.38	35.6	6.88	1.75	5.64	0.8	4.62	0.89	2.54	0.35	2.32	0.33	24.9	211
				C15-11	50-55	Tc: red beds	5.8	8.4	1.7	30.4	61.3	7.69	28.7	5.49	1.45	4.68	0.67	3.88	0.75	2.12	0.29	1.92	0.27	20.4	170
				C15-12	55-60	Tc: red beds	7.2	9.2	2.4	32.3	68.7	8.35	31.5	6.06	1.41	5.07	0.75	4.35	0.84	2.37	0.33	2.16	0.29	23	187
				C15-13	60-65	Tc: red beds	9	11.9	2.5	43.7	92.3	11.1	43.4	8.39	1.96	7.43	1.08	6.32	1.24	3.45	0.47	2.97	0.41	34.4	259
				C15-14	65-70	Tc: red beds	8.6	11.5	2.4	42.6	92	11.1	43.7	8.6	2.07	7.71	1.1	6.46	1.28	3.55	0.49	3.09	0.43	35.1	259
				C15-15	70-75	20% Tc: red beds; 80% Tsp:	9.4	8.6	1.8	43.6	89.5	11.6	46	9.08	1.99	7.93	1.12	6.41	1.26	3.5	0.48	2.93	0.39	33.9	260
				C15-16	75-80	Tsp:	15.9	7.8	1.3	71.2	163	20.9	83	16.3	2.81	13.85	2	11.2	2.12	5.81	0.77	4.57	0.59	54.4	453
				C15-17	80-85	Tsp:	13.1	7.5	1.4	66.2	149	19	74.4	14.4	3.04	12.2	1.73	9.85	1.88	5.15	0.67	4.09	0.55	47.5	410
C16	243370	3781334	1483		5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0
					25-30	Qal:																			0
					30-35	Qal:																			0
					35-40	Qal:																			0
					40-45	Qal:																			0
					45-50	60% Qal: ;40% Tc: red beds																			0
					50-55	Tc: redbeds																			0
				C16-11	55-60	80% Tc: redbeds ; 20% Tsp:	7.2	10.8	2.4	30.6	69.3	8.12	30.2	5.8	1.27	4.87	0.7	4.01	0.79	2.2	0.3	1.94	0.27	20.5	181
				C16-12	60-65	Tsp:	8.6	11.2	2.7	37.6	81.3	9.65	37.3	7.09	1.58	5.79	0.85	4.98	0.97	2.68	0.38	2.46	0.34	26.8	220
				C16-13	65-70	Tsp:	8.8	11	2.2	39.7	86.4	10.15	39.1	7.62	1.72	6.42	0.92	5.36	1.04	2.92	0.41	2.58	0.35	28.5	233
				C16-14	70-75	Tsp:	9.6	11.7	2.4	43.5	93	11	43.1	8.33	1.97	7.25	1.03	6.04	1.17	3.28	0.46	2.89	0.4	31.8	255
C17	243342	3781354	1474		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
					20-25	Qal:																			0
					25-30	Qal:																			0
					30-35	Qal:																			0
					35-40	Qal:																			0
					40-45	90% Qal: ; 10% Tc:																			0
				C17-10	45-50	Tc: red beds	8.5	9.9	2	36.3	79.3	9.62	36.6	7.04	1.55	6.03	0.87	5.02	0.96	2.67	0.37	2.35	0.33	25.7	215
				C17-11	50-55	Tc: red beds wih Tsp:	9.5	11.2	2.2	41.6	87.1	10.6	40.8	7.94	1.8	6.72	0.97	5.57	1.08	3	0.42	2.67	0.37	29.4	240
				C17-12	55-60	Tsp:	10.3	11.8	2.1	45.4	95.9	11.6	45.6	9.07	1.96	8.05	1.16	6.78	1.31	3.78	0.53	3.25	0.46	35.6	270
				C17-13	60-65	Tsp:	11.1	10.6	1.9	44.4	97.7	11.8	47.2	9.23	1.93	8.07	1.17	6.84	1.33	3.78	0.51	3.21	0.43	35.4	273
				C17-14	65-70	Tsp:	11.9	9	1.5	42.9	98.1	11.75	47.2	9.44	2.07	8.44	1.24	7.14	1.39	3.85	0.53	3.31	0.44	36.1	274
				C17-15	70-75	Tsp:	11.1	9.3	1.5	51	109	13.55	54	10.45	1.98	9.04	1.27	7.18	1.42	3.91	0.53	3.27	0.44	37.7	305
				C17-16	75-80	Tsp:	13.3	8.5	1.5	69.7	148.5	19.1	74.6	14.55	2.65	12	1.67	9.33	1.8	4.79	0.63	3.84	0.51	48.5	412
				C17-17	80-85	Tsp:	15.1	8.2	1.2	82.9	183.5	24	98.8	19.85	3.19	16.85	2.35	12.85	2.41	6.33	0.8	4.72	0.61	61.6	521
				C17-18	85-90	Tsp:	11.7	9.6	1.4	56.1	122.5	15.15	59.5	11.5	2.01	9.75	1.37	7.61	1.46	4.04	0.54	3.26	0.43	38.9	334
				C17-19	90-95	Tsp:	15.7	7.8	1	77.6	175	23.2	98.1	20.5	3.31	17.75	2.46	13.35	2.48	6.45	0.8	4.67	0.6	62.4	509
				C17-20	95-100	Tsp:	16.2	8	1.1	85.5	186.5	24.1	98.4	19.7	3.34	16.55	2.27	12.45	2.3	6.09	0.78	4.53	0.58	61.7	525
C18	243329	3781378	1480		0-5	Qal: with pink clay																			0
					5-10	Qal: with pink clay																			0
					10-15	Qal: with pink clay																			0
					15-20	Qal: with pink clay																			0
					20-25	Qal: with pink clay																			0
					25-30	Qal: with pink clay																			0
					30-35	Qal: with pink clay																			0
					35-40	Qal: with pink clay																			0
					40-45	Qal: with pink clay																			0
					45-50	Qal: with pink clay																			0
					50-55	Qal: with pink clay																			0
				C18-12	55-60	20% Qal: ; 80% Tc?:	9.8	9.9	2.2	42.1	91.9	11.35	42.2	7.94	1.85	6.02	0.96	5.46	1.15	3.18	0.47	2.78	0.42	30.9	249
				C18-13	60-65	Tc:	10.8	10	2.1	46.3	98.2	12.2	45.7	8.69	1.97	6.56	1.03	5.95	1.24	3.48	0.5	3.1	0.44	33	268
				C18-14	65-70	Tc:	11.8	8.4	1.8	47.4	105	12.95	49.8	9.59	2.11	7.51	1.15	6.61	1.41	3.91	0.55	3.31	0.48	37.3	289
				C18-15	70-75	Tc: with red bed ss	11.6	8.8	1.9	50.8	108.5	13.55	51.5	9.8	2.11	7.61	1.18	6.72	1.39	3.99	0.56	3.33	0.49	39.1	301
				C18-16	75-80	Tc: with red bed ss	8.5	11.2	3.1	46.1	94.1	11.95	44.1	8.28	1.88	5.91	0.93	5.31	1.11	3.14	0.44	2.69	0.42	30.6	257

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
C19	243311	3781401	1472		0-5	Qal: with pink clay																			0
					5-10	Qal: with pink clay																			0
					10-15	Qal: with pink clay																			0
					15-20	Qal: with pink clay																			0
					20-25	Qal: with pink clay																			0
					25-30	Qal: with pink clay																			0
					30-35	Qal: with pink clay																			0
					35-40	Qal: with pink clay																			0
					40-45	Qal: with pink clay																			0
					45-50	Qal: with pink clay																			0
					50-55	Qal: with pink clay																			0
				C19-12	55-60	Tc:?	12.5	10.7	1.6	62.6	134.5	15.6	64.9	12.65	2.32	10.45	1.57	8.98	1.89	5.2	0.74	4.4	0.63	53.1	380
				C19-13	60-65	Tc:?	12.1	8.1	1.5	53.8	120.5	15.25	57.8	10.95	2.14	8.56	1.33	7.54	1.58	4.37	0.61	3.57	0.51	41.1	330
				C19-14	65-70	Tc: with red beds	12.5	9.7	1.8	55.3	123	15.55	59.1	11.2	2.33	8.57	1.3	7.37	1.54	4.25	0.6	3.47	0.5	41.6	336
				C19-15	70-75	Tc: with red beds	10.4	10.8	2.1	52.5	111	14	52.5	9.78	2.1	6.93	1.09	6.16	1.29	3.6	0.51	3.04	0.45	35.6	301
				C19-16	75-80	Tc: with red beds	11.7	10.2	2	50.9	106	13.5	50.7	9.5	2.11	6.97	1.09	6.12	1.27	3.55	0.5	2.97	0.44	34.9	291
C20	243289	3781426	1468		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0
				C20-6	25-30	Qal: trace Tc red beds	7.6	12	2.6	34.9	74.2	9.05	33.1	6.04	1.65	4.65	0.73	4.13	0.88	2.46	0.36	2.23	0.34	23.2	198
				C20-7	30-35	20% Tc: ; 80% Tsp:	11.4	9.6	1.9	49.9	111.5	13.65	51.6	9.81	2.31	7.49	1.19	6.74	1.4	3.96	0.55	3.35	0.48	37.5	301
				C20-8	35-40	Tsp:	18.9	12.6	2	120	233	26.2	97.4	18	4.02	13.15	1.84	9.9	2.02	5.37	0.74	4.19	0.6	54.6	591
				C20-9	40-45	Tsp:	16.4	7	1.1	69.7	157	17.65	74.8	14.65	3.15	12.4	1.87	10.65	2.18	6.09	0.84	4.84	0.68	57.5	434
				C20-10	45-50	Tsp:	18.1	7.9	1.4	86.5	181	20.9	86.9	16.15	3.43	13.65	1.99	11.05	2.27	6.18	0.84	4.75	0.67	60.6	497
				C20-11	50-55	Tsp:	18.3	9.4	1.3	106	219	24.2	89.8	17.25	3.54	12.75	1.88	10.25	2.1	5.73	0.79	4.56	0.64	56.1	555
				C20-12	55-60	Tsp:	19.3	6.6	1.3	75.1	155	18.45	77.1	13.25	2.74	10.4	1.58	8.55	1.66	4.56	0.6	3.21	0.48	43.7	416
				C20-13	60-65	Tsp:	18.4	5.3	1.4	53.2	105.5	13.05	53.3	9.03	2.08	6.73	1	5.29	1	2.69	0.34	1.76	0.25	26.8	282
				C20-14	65-70	Tsp:	19.4	4.9	1.3	53.8	112.5	13.5	56.9	9.85	2.32	7.92	1.17	6.24	1.19	3.2	0.41	2.18	0.31	30.5	302
				C20-15	70-75	Tsp:	17.3	5.1	2	65.4	143.5	16.5	69.4	12.5	2.73	10.5	1.61	8.77	1.71	4.86	0.63	3.47	0.52	43.5	386
				C20-16	75-80	Tsp:	18.4	7	1.7	83.1	184.5	21.8	90.9	16.1	3.19	13.4	2	10.9	2.13	5.94	0.77	4.19	0.64	54.2	494

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
C21	243270	3781449	1468		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0
						80% Qal: ; 20%																			
				C21-6	25-30	Tsp:	9.3	10.5	2.9	44.8	91.6	10.85	42.9	7.42	1.81	6.19	0.95	5.29	1.04	2.96	0.41	2.34	0.37	26.9	246
				C21-7	30-35	Tsp:	3.7	3.7	0.9	14.3	27.3	3.42	14.1	2.41	0.53	1.66	0.26	1.45	0.3	0.89	0.13	0.73	0.12	7.9	76
				C21-8	35-40	Tsp:	8.4	4.3	1.4	52.4	113.5	12.7	52.3	8.29	1.58	5.57	0.77	3.77	0.67	1.74	0.21	1.13	0.17	15.4	270
				C21-9	40-45	Tsp:	17.6	4.6	1.4	70.9	149.5	17.6	73.9	13	2.95	11.25	1.69	9.04	1.77	4.98	0.64	3.44	0.52	44.9	406
				C21-10	45-50	Tsp:	25	5	1.1	65.4	134	16.4	70	12.85	3.05	11.9	1.76	9.7	1.92	5.42	0.72	3.87	0.59	49.4	387
				C21-11	50-55	Tsp:	21.9	4.7	0.9	64	135	15.95	67.3	12.4	3	11.2	1.71	9.47	1.86	5.3	0.7	3.85	0.58	47	379
				C21-12	55-60	Tsp:	19.5	4.8	0.9	62.8	135	15.95	67.9	12.35	2.74	11.15	1.65	9.08	1.76	4.94	0.64	3.47	0.51	44.3	374
				C21-13	60-65	Tsp:	18.7	5	1	68.7	147.5	17.35	73.5	13.1	2.94	11.55	1.7	9.17	1.78	4.94	0.63	3.39	0.5	44.4	401
				C21-14	65-70	Tsp:	18.6	5.3	1	79.2	168	19.75	83	14.2	3.37	12	1.75	9.34	1.8	4.99	0.64	3.45	0.51	44.1	446
				C21-15	70-75	Tsp:	17.5	4.9	1.1	75.1	150.5	18.2	76.3	13.2	3.11	11.6	1.66	8.86	1.7	4.73	0.61	3.24	0.48	43.1	412
				C21-16	75-80	Tsp:	14.7	4.2	1	55.8	114.5	13.7	58.2	10.1	2.48	9.1	1.32	7	1.35	3.76	0.48	2.57	0.39	33.7	314
C22	243251	3781472	1468	C22-1	0-5	Tsp:	10.4	7.1	1.5	52.6	108	12.7	47.5	9.08	1.92	7.32	1.06	6.01	1.16	3.24	0.45	2.72	0.38	33.7	288
				C22-2	5-10	Tsp:	13.6	5.6	1.1	55.5	115	14.1	53.1	10.7	2.24	8.82	1.31	7.64	1.49	4.15	0.57	3.45	0.49	41	320
				C22-3	10-15	Tsp:	14.8	4.5	1.1	57.8	120	14.65	55.3	10.85	2.51	8.88	1.31	7.44	1.45	3.97	0.54	3.2	0.44	39.5	328
				C22-4	15-20	Tsp:	13.4	5.2	1.4	54.6	109.5	13.3	49.2	9.63	2.37	8.47	1.23	6.91	1.34	3.64	0.48	2.74	0.38	37.2	301
				C22-5	20-25	Tsp:	14.2	4.5	1.1	70.1	142	16.9	65.1	12.35	3.13	10.5	1.46	8.09	1.55	4.2	0.54	3.16	0.45	42	382
				C22-6	25-30	Tsp:	13.9	4	0.7	64	135.5	16.1	63.2	12.3	3.22	10.25	1.42	7.95	1.5	4.12	0.55	3.19	0.45	40.2	364
				C22-7	30-35	Tsp:	16.5	5.5	0.9	68.9	140	17	65.6	12.75	3.19	10.95	1.54	8.61	1.65	4.51	0.59	3.4	0.47	44.3	383
				C22-8	35-40	Tsp:	16.7	4.1	0.8	53.1	112.5	13.8	52.7	10.4	2.59	9.14	1.3	7.36	1.41	3.93	0.52	3.07	0.42	37.9	310
				C22-9	40-45	Tsp:	17	5	0.7	69.8	140.5	16.5	63.5	12.5	3.03	10.5	1.52	8.53	1.66	4.54	0.61	3.67	0.52	46.1	383
				C22-10	45-50	Tsp:	17.9	5.9	0.9	60.3	125.5	15.55	58.2	11.35	2.51	9.62	1.36	7.61	1.45	3.92	0.52	3.09	0.42	39.5	341
				C22-11	50-55	Tsp:	18.7	4.4	0.6	56.6	115.5	14.2	53.6	10.75	2.62	9.25	1.34	7.59	1.46	4.08	0.54	3.21	0.44	40.4	322
				C22-12	55-60	Tsp:	18.2	4	0.6	69.1	134.5	16.05	61.9	12.15	2.8	10.8	1.57	8.91	1.73	4.77	0.65	3.94	0.56	46.1	376
				C22-13	60-65	Tsp:	19.4	3.3	0.5	54.8	109	13.5	51	10.15	2.45	8.93	1.29	7.33	1.42	3.94	0.54	3.26	0.45	37.8	306
				C22-14	65-70	Tsp:	19.3	4	0.5	72.3	144	16.95	65.1	12.75	2.98	11.3	1.62	9.01	1.75	4.83	0.65	4.02	0.56	46	394
				C22-15	70-75	Tsp:	18.9	4.7	0.6	71.3	142	16.5	63.6	12.5	2.84	10.5	1.5	8.55	1.66	4.63	0.63	3.82	0.54	46.1	387
				C22-16	75-80	Tsp:	18.1	5.2	0.6	69.6	140	16.2	62.9	12.1	2.51	10.05	1.4	7.97	1.53	4.18	0.57	3.48	0.49	42.5	375
				C22-17	80-85	Tsp:	20.2	3.7	0.5	58.4	127	14.25	53.8	10.45	2.59	10.15	1.42	8.11	1.55	4.28	0.6	3.61	0.53	41.8	339
				C22-18	85-90	Tsp:	20.5	3.7	0.7	49.4	111.5	12.45	47	9.46	2.41	9.35	1.31	7.57	1.47	4.05	0.57	3.45	0.49	39.2	300
				C22-19	90-95	Tsp:	25.9	3.6	0.7	48	105	12.05	46	9.37	2.47	9.66	1.35	7.83	1.52	4.26	0.59	3.55	0.49	40.8	293
				C22-20	95-100	Tsp:	19.4	4.7	0.9	53	116.5	13.35	50.5	10	2.55	9.71	1.35	7.59	1.47	4.03	0.56	3.36	0.49	39	313
C23	243227	3781494	1466	C23-1	0-5	Tsp:	16.1	4	0.7	59.5	135	15.1	59.1	11.8	2.69	10.95	1.55	8.83	1.74	4.83	0.68	4.16	0.61	46.9	363
				C23-2	5-10	Tsp:	16	4.7	0.8	62	135.5	15.3	60.4	12.05	2.72	10.95	1.53	8.59	1.68	4.64	0.64	3.89	0.56	45.9	366
				C23-3	10-15	Tsp:	16.1	4.7	0.7	57.2	132	15.25	58.3	11.75	2.51	10.7	1.51	8.82	1.7	4.71	0.66	3.95	0.57	46.3	356
				C23-4	15-20	Tsp:	18.1	4.1	0.7	58.5	134	15.35	58.3	11.4	2.84	10.6	1.49	8.44	1.64	4.49	0.61	3.71	0.53	43.7	356
				C23-5	20-25	Tsp:	17.8	2.8	0.6	38.9	85.5	10.05	38.3	7.62	2.31	7.43	1.03	5.76	1.09	2.96	0.4	2.39	0.34	29.4	233
				C23-6	25-30	Tsp:	15.1	4.5	0.8	68.2	153	17.15	67.9	13.15	3.31	11.3	1.54	8.34	1.59	4.17	0.57	3.3	0.47	42.3	396
				C23-7	30-35	Tsp:	17.2	2.9	0.5	40.8	93.9	11.25	44.8	9.07	2.66	8.94	1.19	6.49	1.23	3.29	0.46	2.71	0.39	32.6	260
				C23-8	35-40	Tsp:	20.2	2.1	0.6	28.2	64.8	7.75	30.5	6.36	2.09	6.85	0.94	5.41	1.06	2.83	0.39	2.41	0.34	28	188
				C23-9	40-45	Tsp:	13.8	3.8	0.5	51	114	13.05	49.7	9.6	2.49	8.72	1.17	6.48	1.23	3.34	0.46	2.71	0.39	32.9	297
				C23-10	45-50	Tsp:	18.2	2.7	0.6	34.8	80	9.15	35.1	7.06	2.07	7.21	1.01	5.78	1.1	3.08	0.43	2.55	0.36	28.9	219
				C23-11	50-55	Tsp:	16.7	3.9	0.9	55.5	127.5	14.9	58.1	11.45	3.02	10.7	1.49	8.26	1.57	4.21	0.57	3.33	0.47	40.7	342

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C23-12	55-60	Tsp:	17.9	4.2	0.7	57.5	127	14.7	56.4	11	2.9	10.5	1.43	7.85	1.51	4.07	0.56	3.3	0.47	41.2	340
				C23-13	60-65	Tsp:	19.6	4.5	0.8	64.8	137.5	15.8	59.9	11.8	2.95	11.7	1.61	9.15	1.76	4.79	0.67	3.99	0.57	49.5	376
				C23-14	65-70	Tsp:	19.3	3	0.6	41.2	91.3	10.45	40	8.28	2.16	8.46	1.21	7	1.37	3.76	0.53	3.19	0.45	37.7	257
				C23-15	70-75	Tsp:	22.2	4	0.5	57.7	131	14.55	54.7	11.2	2.86	11.4	1.63	9.41	1.83	5.04	0.72	4.39	0.63	48.6	356
				C23-16	75-80	Tsp:	21.5	4.3	0.5	60.5	136.5	15.15	57.4	11.4	2.83	11.15	1.56	8.99	1.75	4.84	0.67	4.11	0.58	46.4	364
				C23-17	80-85	Tsp:	19.3	5.1	0.5	72.3	162.5	17.75	69	13.3	3.07	12.3	1.66	9.3	1.79	4.91	0.68	4.1	0.6	49.2	422
				C23-18	85-90	Tsp:	19	5.1	0.7	73.2	157.5	17.55	68.3	12.9	3.15	12.3	1.61	8.96	1.71	4.68	0.63	3.68	0.53	47.5	414
				C23-19	90-95	Tsp:	19.8	3.7	0.8	57.2	124	14.2	54.4	10.85	2.86	11	1.49	8.34	1.6	4.36	0.59	3.51	0.5	43.4	338
				C23-20	95-100	Tsp:	20.6	3.6	0.7	41.8	94.4	10.7	41	8.22	2.22	8.54	1.19	6.92	1.34	3.68	0.51	2.99	0.42	36.7	261
C24	243211	3781518	1477	C24-1	0-5	Tsp:	23.1	6.4	1.5	61.7	128.5	14.9	56.5	10.6	3.19	10.1	1.26	6.81	1.29	3.59	0.48	2.78	0.41	38	340
				C24-2	5-10	Tsp:	28.1	7.2	1.6	69.9	145	16.7	64.9	12.15	3.71	11.4	1.4	7.23	1.33	3.57	0.47	2.66	0.38	39.4	380
				C24-3	10-15	Tsp:	15.1	3.8	0.8	62.5	130	15.25	58.6	11.45	2.63	10.5	1.44	8.04	1.57	4.22	0.59	3.49	0.51	44.7	355
				C24-4	15-20	Tsp:	13	4	0.6	48.3	110.5	13.25	51.6	10.65	2.44	10.45	1.47	8.37	1.64	4.56	0.62	3.72	0.54	41.5	310
				C24-5	20-25	Tsp:	15.7	4.2	0.6	55.2	125.5	14.45	55.6	10.95	2.66	10.35	1.46	8.23	1.61	4.45	0.62	3.79	0.55	43.1	339
				C24-6	25-30	Tsp:	17.1	4.8	0.7	69.2	158.5	17.5	69.1	13.15	3.14	12	1.61	8.95	1.68	4.53	0.62	3.69	0.53	46.4	411
				C24-7	30-35	Tsp:	15.6	5	0.8	61.8	140.5	15.95	61.1	11.55	3.55	10.7	1.43	7.96	1.52	4.07	0.57	3.36	0.5	40.2	365
				C24-8	35-40	Tsp:	16.7	4.5	0.9	43.7	97.8	11.2	42.4	8.14	2.27	7.51	1.02	5.67	1.08	2.85	0.39	2.3	0.33	27.9	255
				C24-9	40-45	Tsp:	12.1	5.7	0.9	54.7	122.5	13.7	51.4	9.77	2.6	8.49	1.15	6.57	1.23	3.29	0.45	2.62	0.38	32.6	311
				C24-10	45-50	Tsp:	12.8	4.3	0.7	54.9	126	14.3	55.3	10.45	2.86	9.32	1.27	7.08	1.35	3.6	0.48	2.84	0.42	35.3	325
				C24-11	50-55	Tsp:	11.1	3.7	0.7	57.9	130.5	14.1	58.7	11.5	2.62	9.25	1.28	7.33	1.41	3.91	0.52	3.15	0.46	41.7	344
				C24-12	55-60	Tsp:	13.6	3.6	0.6	55.8	129.5	14.25	60.1	11.8	2.73	9	1.28	7.33	1.39	3.81	0.5	3.17	0.45	40.2	341
				C24-13	60-65	Tsp:	16	4.5	0.8	83.8	174.5	19	76.5	14.25	3.11	10.35	1.42	7.96	1.52	3.8	0.5	3.12	0.44	45.9	446
				C24-14	65-70	Tsp:	17.4	4.3	0.7	66.5	136	14.5	58.8	11.55	3.05	9.12	1.28	7.33	1.38	3.91	0.53	3.38	0.51	41.8	360
				C24-15	70-75	Tsp:	19.4	3.3	0.6	53.4	113	12.35	50.7	10.15	2.3	8.1	1.11	6.43	1.23	3.33	0.44	2.78	0.4	38.7	304
				C24-16	75-80	Tsp:	20	4.7	0.7	67.2	142	15.45	61.9	12.45	2.7	10.3	1.47	8.51	1.6	4.4	0.59	3.75	0.54	47.7	381
				C24-17	80-85	Tsp:	18.7	3.8	0.6	65.2	137	14.55	60.4	12.1	2.48	9.44	1.35	7.87	1.54	4.21	0.58	3.61	0.5	47.9	369
				C24-18	85-90	Tsp:	18.6	3.3	0.5	55.8	117.5	12.8	52.7	10.75	2.24	8.36	1.22	7.15	1.4	3.85	0.52	3.36	0.47	44.2	322
				C24-19	90-95	Tsp:	20.9	3	0.5	58.1	121	12.75	51.1	10.7	2.24	8.61	1.3	7.49	1.46	4.08	0.56	3.55	0.5	45	328
				C24-20	95-100	Tsp:	17.4	3.6	0.7	68.2	136	14.75	61.6	11.9	2.45	9.09	1.28	7.29	1.43	3.88	0.53	3.47	0.49	44.5	367
C25	243188	3781540	1499	C25-1	0-5	Tsp:	10.9	4.7	1.3	45.9	95.2	10.55	42.7	8.31	1.91	6.36	0.91	5.39	1.05	2.92	0.41	2.61	0.38	33.5	258
				C25-2	5-10	Tsp:	13.5	4.5	0.9	62	134	14.4	58.5	11.8	2.51	9.67	1.38	8.05	1.6	4.4	0.62	3.88	0.57	45.9	359
				C25-3	10-15	Tsp:	14.4	4.3	0.9	61.3	131.5	14	57.3	11.75	2.61	9.44	1.41	8.14	1.62	4.48	0.63	3.96	0.57	46.9	356
				C25-4	15-20	Tsp:	15	4.3	0.9	56.3	125.5	13.45	54.1	10.8	2.3	8.88	1.32	7.87	1.53	4.32	0.61	3.93	0.58	44.1	336
				C25-5	20-25	Tsp:	13.7	4.7	0.8	67.7	138.5	15.45	62	12.6	2.45	10	1.42	8.34	1.67	4.5	0.63	4.06	0.57	48.8	379
				C25-6	25-30	Tsp:	15.1	5	0.8	67.9	147.5	16.1	65.8	13.5	2.65	11.15	1.58	9.24	1.82	5.02	0.69	4.47	0.65	51.7	400
				C25-7	30-35	Tsp:	15.9	4.2	0.7	66.7	149	16.25	65	13.1	2.58	10.65	1.54	8.99	1.75	4.94	0.68	4.33	0.62	51.5	398
				C25-8	35-40	Tsp:	15.8	4	0.6	67.6	149.5	16	64.3	13.1	2.59	10.35	1.5	8.87	1.72	4.88	0.68	4.29	0.62	52.3	398
				C25-9	40-45	Tsp:	14.8	5.4	0.9	80.1	174.5	18.5	73.2	13.9	2.78	10.25	1.41	8	1.55	4.19	0.58	3.61	0.51	43.2	436
				C25-10	45-50	Tsp:	12.9	3.9	0.8	50.3	114	12.85	52.8	10.75	2.11	8.73	1.25	7.33	1.42	3.98	0.53	3.25	0.47	41.7	311
				C25-11	50-55	Tsp:	13.1	4	0.7	58	134	14.15	57.7	11.3	2.36	8.87	1.22	6.78	1.33	3.51	0.47	2.96	0.43	39.1	342
				C25-12	55-60	Tsp:	15.3	4.1	1.1	74.1	152.5	16.6	66.3	12.5	2.76	9.93	1.34	7.44	1.4	3.74	0.5	2.97	0.42	42.3	395
				C25-13	60-65	Tsp:	14.6	4	0.9	64.9	144	15.65	64.4	12.5	2.82	9.95	1.35	7.57	1.43	3.8	0.51	3.16	0.44	40.9	373
				C25-14	65-70	Tsp:	15.1	3.6	0.7	64.4	144.5	15.95	65.3	12.75	2.86	9.72	1.33	7.46	1.42	3.78	0.5	3.09	0.44	41.6	375
				C25-15	70-75	Tsp:	15.2	9	1.1	70	166	18.3	74.4	14.85	2.3	11.6	1.64	9.21	1.75	4.76	0.64	3.98	0.54	51.1	431
				C25-16	75-80	Tsp:	14.9	11	1.3	83.1	191	21.3	84.5	16.55	2.56	13.4	1.87	10.65	2	5.5	0.71	4.48	0.62	55.7	494
				C25-17	80-85	Tsp:	19	7.9	1	74.3	171	18.8	75.5	15.1	2.45	11.9	1.72	10.1	1.93	5.24	0.71	4.34	0.59	58	452
				C25-18	85-90	Tsp:	17.8	4.5	0.6	62	140	14.9	59.1	12.2	2.54	10.35	1.48	8.41	1.66	4.64	0.64	4.02	0.56	46.6	369
				C25-19	90-95	Tsp:	20	4.1	0.8	59.5	130.5	13.45	56.5	11.35	2.49	9.23	1.37	8.02	1.56	4.28	0.59	3.71	0.51	43.9	347

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C25-20	95-100	Tsp:	18	4	0.6	59.4	120.5	12.95	52.7	10.5	2.25	9.11	1.28	7.27	1.37	3.97	0.54	3.43	0.49	41.3	327
C26	243167	3781559	1508	C26-1	0-5	Tsp:	15.4	7.9	1.5	76.5	161	17.15	68.2	13.25	2.44	10.9	1.49	8.23	1.6	4.52	0.61	3.8	0.55	48.2	418
				C26-2	5-10	Tsp:	14.2	4.2	1	46.4	100.5	11.05	44.9	9.08	2.05	8.04	1.11	6.19	1.21	3.41	0.48	2.99	0.43	36.2	274
				C26-3	10-15	Tsp:	12.5	3.9	0.8	41.9	85.6	9.78	40.4	8.37	2.05	6.99	0.97	5.53	1.05	2.84	0.4	2.4	0.36	31.1	240
				C26-4	15-20	Tsp:	13.3	3.3	0.7	37.2	82.4	9.14	38.3	8.26	2.29	7.22	0.96	5.17	0.96	2.61	0.35	2.25	0.32	28.7	226
				C26-5	20-25	Tsp:	16	3.2	1	44.9	107	11.85	47.6	9.43	2.4	8.85	1.21	6.62	1.27	3.41	0.46	2.71	0.4	34.4	283
				C26-6	25-30	Tsp:	16.5	3.6	0.9	58.7	140	15.05	61.8	11.75	2.61	10.4	1.45	7.91	1.54	4.09	0.56	3.3	0.47	41.4	361
				C26-7	30-35	Tsp:	16.4	5.2	1.2	69.6	149	16.95	66.3	12.2	2.9	10.6	1.4	7.68	1.49	3.89	0.52	3	0.44	41.8	388
				C26-8	35-40	Tsp:	19.6	4	0.7	62.4	146.5	15.85	62.2	12	2.82	10.9	1.55	8.78	1.74	4.73	0.65	3.81	0.56	46.1	381
				C26-9	40-45	Tsp:	17.3	3.5	0.5	60.2	135	14.55	56.3	10.8	2.59	9.7	1.41	8.03	1.58	4.35	0.59	3.63	0.55	44.5	354
				C26-10	45-50	Tsp:	20.3	5.1	0.5	68.5	153.5	15.85	62.5	11.9	2.79	11.2	1.58	8.97	1.78	4.86	0.67	4.07	0.61	49.8	399
				C26-11	50-55	Tsp:	18.7	3.4	0.4	57.6	143	15.1	58.4	11.5	2.8	11.05	1.61	9.16	1.87	5.17	0.73	4.43	0.66	50	373
				C26-12	55-60	Tsp:	18.6	5.2	0.7	75.8	173.5	18.2	74.2	13.75	3.52	12.2	1.68	9.33	1.83	4.9	0.68	4.05	0.6	50.7	445
				C26-13	60-65	Tsp:	14.9	7.6	0.6	64.6	151.5	15.85	64	11.75	2.98	10.55	1.43	7.84	1.5	4.06	0.55	3.25	0.49	40.1	380
				C26-14	65-70	Tsp:	16.9	4.4	0.5	67.8	158	16.55	67.5	12.65	3.18	11	1.52	8.23	1.6	4.2	0.56	3.35	0.5	43.6	400
				C26-15	70-75	Tsp:	17.7	3.6	0.5	66	158	16.65	68.6	13	3.33	11.65	1.58	8.65	1.68	4.48	0.6	3.57	0.54	44.9	403
				C26-16	75-80	Tsp:	16.3	4.5	0.6	66.3	155.5	16.15	63.7	11.75	3.21	10.3	1.41	7.62	1.5	3.97	0.54	3.24	0.52	40.9	387
				C26-17	80-85	Tsp:	19.6	7.3	0.8	79.5	189.5	19.45	79.1	14.65	3.52	13	1.79	9.64	1.89	5.08	0.68	4.18	0.63	51.5	474
				C26-18	85-90	Tsp:	15.8	4	0.6	62.2	148	15.8	63.2	11.75	3.03	10.4	1.46	7.93	1.57	4.13	0.56	3.3	0.49	42.2	376
				C26-19	90-95	Tsp:	18.5	3.9	0.6	60.9	142	15.45	61.2	11.6	2.98	10.75	1.48	7.88	1.52	3.95	0.53	3.13	0.47	41.9	366
				C26-20	95-100	Tsp:	17.6	4.1	0.7	61.4	141	15.45	61	11.3	3.24	10.05	1.37	7.33	1.42	3.73	0.5	2.96	0.44	38.1	359
C27	243151	3781585	1486	C27-1	0-5	Tsp:	12.1	4.4	1.5	54.2	114.5	12.8	49.7	9.02	2.33	8.22	1.09	5.8	1.11	2.97	0.4	2.33	0.35	33.1	298
				C27-2	5-10	Tsp:	16.5	3.5	0.8	67.9	151	16.45	63.9	11.55	3.1	10.4	1.39	7.75	1.48	3.89	0.52	3.07	0.46	40.8	384
				C27-3	10-15	Tsp:	17.3	3.2	0.5	64.5	155	16.15	65.7	12.3	3.46	11.9	1.59	8.72	1.69	4.52	0.61	3.69	0.54	45.2	396
				C27-4	15-20	Tsp:	17.1	3.4	0.5	65.7	154.5	16.6	65.4	12.15	3.61	11	1.52	8.14	1.58	4.13	0.55	3.4	0.51	42.3	391
				C27-5	20-25	Tsp:	16.8	3	0.4	67.6	157.5	17.2	67.7	12.45	3.42	11.1	1.52	8.23	1.58	4.22	0.57	3.35	0.5	42.6	400
				C27-6	25-30	Tsp:	15	3.1	0.4	64.4	147.5	16.2	63.4	11.85	3.13	10.45	1.44	7.94	1.55	4.25	0.56	3.32	0.48	41.6	378
				C27-7	30-35	Tsp:	16.2	3	0.4	66.2	154	16.6	67.4	12.45	3.33	11.3	1.55	8.5	1.65	4.34	0.57	3.43	0.51	44.1	396
				C27-8	35-40	Tsp:	17.4	3.7	0.6	70.3	164	17.45	70	12.8	3.57	11.6	1.54	8.13	1.59	4.14	0.55	3.3	0.49	42.5	412
				C27-9	40-45	Tsp:	17.4	6.7	0.9	64.8	154	16.25	66.1	12.75	3.63	11.85	1.62	8.78	1.71	4.64	0.63	3.91	0.57	45.7	397
				C27-10	45-50	Tsp:	16.6	3.2	0.4	65.4	155	16.7	66.9	12.7	3.69	11.3	1.54	8.43	1.65	4.35	0.58	3.42	0.51	43.8	396
				C27-11	50-55	Tsp:	16.5	2.9	0.4	65.5	156	16.45	67.3	12.75	3.75	11.95	1.61	8.76	1.72	4.52	0.61	3.54	0.53	45.1	400
				C27-12	55-60	Tsp:	17.8	3.1	0.4	64.5	151	16.45	65.5	12.45	3.39	10.9	1.48	7.96	1.55	4.16	0.55	3.31	0.49	42.8	386
				C27-13	60-65	Tsp:	17.1	3.1	0.5	67.2	161.5	17	68.2	12.75	3.44	11.35	1.59	8.58	1.69	4.5	0.61	3.55	0.52	44.8	407
				C27-14	65-70	Tsp:	18.1	2.6	0.4	55.4	133	14.2	55.9	10.45	2.81	9.37	1.28	7.08	1.38	3.7	0.5	2.99	0.43	36.7	335
				C27-15	70-75	Tsp:	17.6	2.9	0.5	51.5	118.5	13.2	52.2	9.82	2.58	8.5	1.19	6.54	1.27	3.35	0.45	2.66	0.39	35.1	307
				C27-16	75-80	Tsp:	20.8	1.9	0.4	21.1	47.4	5.32	20.9	4.17	1.43	4.17	0.61	3.53	0.72	1.94	0.27	1.67	0.24	20.7	134
				C27-17	80-85	Tsp:	20.4	1.9	0.4	20.7	44.6	4.92	19.4	3.86	1.37	3.77	0.54	3.12	0.62	1.67	0.23	1.39	0.21	17.8	124
				C27-18	85-90	Tsp:	15.8	2.6	0.4	23.8	53.9	5.73	22.1	4.21	1.44	4.01	0.58	3.24	0.65	1.8	0.25	1.5	0.21	18.3	142
				C27-19	90-95	Tsp:	17.1	3.5	0.5	47.2	105	12.35	48.9	9.36	2.23	7.66	1.03	5.82	1.11	2.98	0.42	2.55	0.36	32.5	279
				C27-20	95-100	Tsp:	16.4	2.6	0.4	75.4	169	19.6	77.7	15.3	3.59	12.2	1.64	9.14	1.76	4.63	0.63	3.84	0.56	50.3	445
C28	243133	3781605	1471	C28-1	0-5	Tsp:	12.8	3	1	50.7	111.5	13.15	52.3	10.1	2.46	8.06	1.1	6.21	1.17	3.13	0.42	2.62	0.39	31.5	295
				C28-2	5-10	Tsp:	15.3	6.4	1.1	81.1	168.5	19.2	74.5	13.95	2.85	10.5	1.38	7.89	1.46	3.89	0.52	3.28	0.46	40.8	430
				C28-3	10-15	Tsp:	16.4	7.6	0.9	95.9	203	22.8	88	16.7	3.68	13.45	1.8	9.88	1.87	4.97	0.68	4.17	0.6	51.2	519
				C28-4	15-20	Tsp:	12.6	11.1	1.1	91.9	169	17.8	63.8	11.4	2.79	8.84	1.19	6.66	1.28	3.38	0.48	2.92	0.42	36.7	419
				C28-5	20-25	Tsp:	18.1	4.5	0.6	76.9	177.5	20.5	81.4	15.55	3.3	12	1.6	9.04	1.74	4.64	0.62	3.82	0.55	49.3	458
				C28-6	25-30	Tsp:	16.3	4.4	0.6	81.7	187.5	22	85.8	16.55	3.49	13.35	1.75	9.81	1.85	4.9	0.66	4.07	0.58	51.4	485
				C28-7	30-35	Tsp:	15.1	4.1	0.7	84.7	192.5	22.1	89	17.1	3.35	13.8	1.84	10.35	1.91	5	0.67	4.05	0.6	52.8	500

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C28-8	35-40	Tsp:	13.2	3.4	0.5	68.2	154.5	17.6	69.2	13	2.86	10.55	1.41	7.88	1.48	3.91	0.54	3.36	0.49	40.3	395
				C28-9	40-45	Tsp:	14.5	6.4	0.8	75.3	157	16.65	65.5	12.45	2.77	9.86	1.35	7.64	1.42	3.84	0.53	3.28	0.47	39.5	398
				C28-10	45-50	Tsp:	17.1	4.5	0.6	67.3	151.5	17.3	68.3	12.95	2.78	10.1	1.39	7.66	1.45	3.87	0.53	3.24	0.46	40	389
				C28-11	50-55	Tsp:	17.6	3	0.5	53.4	126.5	14.6	57.6	11.25	2.6	9.34	1.28	7.32	1.37	3.76	0.51	3.12	0.45	37.2	330
				C28-12	55-60	Tsp:	14.7	3.6	0.8	60.8	138.5	15.95	63.7	12.5	2.65	10.2	1.37	7.81	1.45	3.91	0.54	3.31	0.48	39.4	363
				C28-13	60-65	Tsp:	14.1	3.2	0.6	66.8	151.5	17.95	72	13.3	3.1	10.8	1.48	8.35	1.55	4.18	0.58	3.66	0.53	43.7	399
				C28-14	65-70	Tsp:	16.5	3.1	0.6	82.8	189.5	22.1	87.2	16.5	3.52	12.9	1.74	9.81	1.84	4.79	0.67	4.1	0.59	49.2	487
				C28-15	70-75	Tsp:	15.8	3.2	0.6	76.7	183.5	21.2	84.1	16.15	3.46	12.9	1.73	9.72	1.83	4.91	0.67	3.97	0.58	51.1	473
				C28-16	75-80	Tsp:	15.3	3.1	0.6	69.2	159.5	18.6	74	14.5	3.29	11.4	1.53	8.72	1.67	4.44	0.6	3.73	0.53	44.9	417
				C28-17	80-85	Tsp:	18	4.9	1	77.5	170	19.4	76.6	14.35	3.19	11.25	1.51	8.54	1.57	4.26	0.6	3.7	0.53	45.8	439
				C28-18	85-90	Tsp:	16.2	3.8	0.6	75	167.5	19.2	75.4	14.75	2.92	11.55	1.62	9.56	1.85	4.92	0.69	4.29	0.62	49.5	439
				C28-19	90-95	Tsp:	17	4.3	0.7	76.4	167.5	19.35	75.1	14.6	2.83	11.55	1.64	9.74	1.83	5.1	0.71	4.51	0.64	50.5	442
				C28-20	95-100	Tsp:	13.7	2.2	0.6	32.1	66.3	7.39	27.5	5.47	1.4	4.31	0.6	3.42	0.65	1.77	0.25	1.57	0.24	18.7	172
C29	243111	3781628	1462	C29-1	0-5	Tsp:	13.8	9.3	1.4	61.1	134.5	15.3	59.3	11.35	2.34	8.63	1.12	6.27	1.17	3.09	0.43	2.6	0.39	32.2	340
				C29-2	5-10	Tsp:	15.1	7.6	1.3	69.9	152	17.5	68.8	13.2	2.68	10	1.32	7.34	1.4	3.71	0.51	3.13	0.45	37.8	390
				C29-3	10-15	Tsp:	26.8	20.8	1.4	98.4	203	22.4	86.6	16.55	3.4	12	1.56	8.51	1.55	4.34	0.6	3.76	0.55	46.9	510
				C29-4	15-20	Tsp:	17	22.8	1.3	93.6	189.5	20.2	75.7	13.8	2.98	9.71	1.19	6.59	1.2	3.2	0.45	2.91	0.44	35	456
				C29-5	20-25	Tsp:	16.3	7.5	0.7	78.5	179.5	20.5	81.1	15.4	3.57	11.95	1.59	9.04	1.68	4.46	0.62	3.83	0.55	45.5	458
				C29-6	25-30	Tsp:	15.8	3.9	0.5	81.8	181.5	20.7	81.4	15.65	3.88	12.45	1.66	9.41	1.78	4.64	0.64	4	0.58	47.3	467
				C29-7	30-35	Tsp:	15.5	3.9	0.5	81	183.5	20.6	82.2	15.5	3.54	12	1.59	8.94	1.65	4.44	0.62	3.77	0.55	44.1	464
				C29-8	35-40	Tsp:	14.1	3.6	0.5	71.3	163.5	18.95	74.5	14.05	3.12	10.55	1.43	8.27	1.55	4.17	0.58	3.55	0.52	42.7	419
				C29-9	40-45	Tsp:	14.6	3.8	0.5	66.3	154	18.05	72	14.15	3.08	11.15	1.51	8.45	1.6	4.31	0.57	3.58	0.51	43.3	403
				C29-10	45-50	Tsp:	18.3	4	0.6	56.2	125	14.7	57.9	11.35	2.44	9.28	1.31	7.41	1.41	3.85	0.54	3.3	0.47	39.2	334
				C29-11	50-55	Tsp:	20.9	4.1	0.7	46.3	98.8	11.55	44.8	8.94	2.33	7.52	1.01	5.7	1.07	2.92	0.39	2.4	0.35	30.2	264
				C29-12	55-60	Tsp:	20.5	3.1	0.5	51.7	114.5	13.4	53.4	10.95	2.46	9.36	1.31	7.64	1.46	3.96	0.55	3.4	0.49	40.1	315
				C29-13	60-65	Tsp:	16.5	3.6	0.4	68.6	136.5	15.55	58.7	11	2.59	9.78	1.38	7.62	1.48	3.99	0.55	3.1	0.47	37.9	359
				C29-14	65-70	Tsp:	18.4	4.3	0.4	95.3	175	20.4	81.1	15.6	3.63	13.95	1.88	10.2	1.94	5.18	0.7	3.94	0.6	51.9	481
				C29-15	70-75	Tsp:	21.2	5.4	0.5	100.5	188.5	21.7	84.9	16.35	3.7	14.7	2.02	11.1	2.15	5.82	0.81	4.52	0.68	56.3	514
				C29-16	75-80	Tsp:	20.9	4.8	0.5	95.3	186.5	20.8	80.8	15.4	3.5	13.7	1.92	10.65	2.09	5.76	0.8	4.56	0.69	54.3	497
				C29-17	80-85	Tsp:	21.5	4	0.5	83	164.5	18.3	71	13.65	3.18	12.25	1.72	9.57	1.87	5.19	0.72	4.13	0.62	49.4	439
				C29-18	85-90	Tsp:	26.8	2	0.4	36	70.9	8.64	34.7	7.32	2.19	7.08	1	5.61	1.09	2.98	0.41	2.31	0.35	29.8	210
				C29-19	90-95	Tsp:	24.5	0.8	0.3	13.3	27.4	3.58	15.6	3.71	1.47	3.98	0.59	3.37	0.66	1.81	0.25	1.44	0.22	17.7	95
				C29-20	95-100	Tsp:	21.6	2.4	0.4	35.6	71.7	8.64	33.5	6.82	1.91	6.1	0.87	4.9	0.95	2.54	0.34	1.97	0.29	25.3	201
C30	243094	3781653	1460	C30-1	0-5	Tsp:	15.1	6.2	1	81.9	166.5	19.25	75.5	14.15	3.32	12.05	1.64	8.91	1.7	4.51	0.61	3.35	0.5	42.9	437
				C30-2	5-10	Tsp:	14.8	4.9	0.8	62.3	123	14.25	54.4	10.4	2.5	9.2	1.32	7.45	1.46	4.06	0.57	3.2	0.49	38.2	333
				C30-3	10-15	Tsp:	17.6	6.3	0.7	58	109	12.15	44.8	8.42	2.24	7.37	1.06	6	1.17	3.23	0.45	2.56	0.38	30.5	287
				C30-4	15-20	Tsp:	17.3	6.8	0.8	82.4	157	16.85	63.1	11.5	3	9.72	1.34	7.25	1.4	3.78	0.52	2.86	0.43	36.1	397
				C30-5	20-25	Tsp:	16.2	5.3	1	80.8	162	18.25	71.2	13.05	3.27	11.05	1.51	8.19	1.57	4.26	0.56	3.16	0.49	40.5	420
				C30-6	25-30	Tsp:	16.6	3.3	0.6	79	166.5	18.85	73.3	13.6	3.77	11.6	1.57	8.54	1.63	4.36	0.6	3.32	0.51	40.6	428
				C30-7	30-35	Tsp:	17.6	3.3	0.6	86	179	19.95	78.5	14.55	3.91	12.45	1.71	9.16	1.76	4.68	0.63	3.52	0.54	44.3	461
				C30-8	35-40	Tsp:	17.6	2.9	0.5	83.5	174	19.75	77.7	14.5	3.84	12.25	1.65	8.91	1.7	4.57	0.61	3.41	0.52	43.3	450
				C30-9	40-45	Tsp:	17.5	3.2	0.5	83.9	179.5	20.3	80.1	15.15	3.78	12.8	1.75	9.41	1.8	4.81	0.65	3.64	0.55	44.3	462
				C30-10	45-50	Tsp:	20.8	4.5	0.6	88.9	178.5	20.1	77.9	14.75	3.58	13	1.8	9.92	1.93	5.19	0.72	4.01	0.61	50.2	471
				C30-11	50-55	Tsp:	20.6	5.2	0.6	92.5	184	20.6	79.2	15	3.51	13.45	1.88	10.55	2.06	5.62	0.78	4.34	0.67	53	487
				C30-12	55-60	Tsp:	18.8	4.9	0.6	87.8	173.5	19.5	76.1	14.7	3.31	13.1	1.83	10.1	1.97	5.38	0.73	4.12	0.63	50.8	464
				C30-13	60-65	Tsp:	19.5	5.8	0.5	90.4	179	19.85	77.3	14.65	3.49	13	1.82	10.3	1.99	5.45	0.75	4.24	0.64	51	474
				C30-14	65-70	Tsp:	19.9	4.5	0.5	85.6	172.5	19.25	75.2	14.6	3.33	13.15	1.86	10.35	2.02	5.52	0.76	4.3	0.67	51.5	461
				C30-15	70-75	Tsp:	18.1	3.6	0.7	49.7	98.1	11.55	43.9	8.58	2.22	7.67	1.1	6.18	1.21	3.3	0.45	2.59	0.39	31.5	268

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C30-16	75-80	Tsp:	8.6	2.5	0.5	35.2	65.1	6.97	24.6	4.24	1.43	3.55	0.48	2.59	0.49	1.31	0.18	1.06	0.17	13.1	160
				C30-17	80-85	Tsp:	9	2.1	0.5	27.9	51.4	5.39	18.9	3.34	1.28	2.78	0.38	2.01	0.38	1.01	0.14	0.79	0.13	10.1	126
				C30-18	85-90	Tsp:	14.9	3.1	0.6	46	98	10.9	41.2	7.81	2.06	6.8	0.96	5.31	1.04	2.84	0.39	2.26	0.34	26.2	252
				C30-19	90-95	Tsp:	18	3.7	0.6	71.5	146	16.15	62.8	12.05	2.85	10.6	1.5	8.32	1.62	4.41	0.62	3.49	0.53	41	383
				C30-20	95-100	Tsp:	19.1	3.6	0.6	68.3	141	16.35	62.3	12.2	3	10.9	1.54	8.46	1.65	4.52	0.63	3.53	0.54	42.2	377
C31	243070	3781674	1452	C31-1	0-5	Tsp:	16.7	3.7	0.8	74.8	147.5	16.75	66.2	12.35	3.17	10.4	1.4	7.56	1.45	3.85	0.51	2.85	0.43	37.8	387
				C31-2	5-10	Tsp:	18.2	3.2	0.7	82.5	170.5	19.5	76.4	14.3	3.57	11.85	1.62	8.67	1.65	4.43	0.6	3.32	0.5	42	441
				C31-3	10-15	Tsp:	18.8	2.9	0.6	92	189	21.3	82.4	15	3.94	12.35	1.66	8.96	1.7	4.56	0.62	3.44	0.53	43.4	481
				C31-4	15-20	Tsp:	18.7	2.5	0.6	83	171.5	19.55	76.6	14.05	3.82	11.6	1.6	8.66	1.66	4.41	0.6	3.35	0.51	40.7	442
				C31-5	20-25	Tsp:	20.1	3.7	0.5	82.5	163.5	18.3	71	13.4	3.36	11.75	1.66	9.2	1.79	4.84	0.68	3.88	0.59	46	432
				C31-6	25-30	Tsp:	22.1	3.9	0.6	80.8	160	18.2	71.3	13.95	3.35	12.15	1.69	9.33	1.84	5.04	0.69	3.96	0.6	48.5	431
				C31-7	30-35	Tsp:	18.8	4.4	0.6	72.6	141	17.95	67.8	12.8	2.74	11.15	1.62	9.3	1.87	4.83	0.73	3.91	0.6	47.9	397
				C31-8	35-40	Tsp:	17.2	5	0.6	67.9	126.5	15.75	58.9	11.35	2.67	10.2	1.47	8.35	1.68	4.45	0.69	3.56	0.56	42.9	357
				C31-9	40-45	Tsp:	14	4.4	0.9	59.3	112.5	14.05	52.1	10.05	2.48	8.96	1.3	7.45	1.52	3.89	0.6	3.22	0.5	37.5	315
				C31-10	45-50	Tsp:	11.1	2.8	0.4	45.5	82	10.25	37.4	7.16	2.09	6.16	0.92	5.13	1.04	2.69	0.4	2.23	0.34	26.5	230
				C31-11	50-55	Tsp:	13.9	1.9	0.6	23.9	44.7	5.48	20.8	4.14	1.52	3.59	0.53	3.03	0.61	1.63	0.26	1.4	0.23	15.4	127
				C31-12	55-60	Tsp:	15.8	0.9	0.4	13.3	24.6	3.1	12.4	2.79	1.23	2.8	0.41	2.4	0.48	1.26	0.19	1.05	0.17	11.8	78
				C31-13	60-65	Tsp:	19.3	1.7	0.5	23	43.3	5.58	22.4	4.86	1.41	4.62	0.68	3.85	0.78	2.03	0.31	1.7	0.25	19.8	135
				C31-14	65-70	Tsp:	17.6	3.2	0.6	51.6	94.3	12.1	45.3	8.82	2.35	7.78	1.09	6.12	1.22	3.15	0.48	2.58	0.4	30.6	268
				C31-15	70-75	Tsp:	16.6	3.5	0.6	60.6	114.5	14.45	54.3	10.4	2.6	9.27	1.35	7.47	1.47	3.8	0.58	3.08	0.47	37.5	322
				C31-16	75-80	Tsp:	12.6	3.9	0.5	43.2	95.4	10	41.1	8.05	2.36	7.09	0.96	5.35	1.01	2.85	0.32	2.05	0.31	27	247
				C31-17	80-85	Tsp:	19.2	2.6	0.4	37.2	84.9	9.19	39.4	8.16	2.36	8.12	1.14	6.49	1.25	3.56	0.41	2.74	0.4	34.1	239
				C31-18	85-90	Tsp:	17	3.6	0.5	57.9	128.5	13.35	54.6	10.65	2.81	9.63	1.3	7.44	1.42	3.99	0.46	3.04	0.45	41	337
				C31-19	90-95	Tsp:	17.7	3.4	0.5	65.2	146	15.4	60.6	12	2.74	10.7	1.51	8.52	1.64	4.69	0.55	3.54	0.51	48	382
				C31-20	95-100	Tsp:	14.6	3.8	0.6	59.7	135.5	14.2	58	11.05	2.75	10.3	1.44	8.09	1.54	4.34	0.5	3.19	0.46	43.5	355
C32	243051	3781697	1452	C32-1	0-5		14.3	4.5	0.7	63.5	131.5	15.7	65.3	12.45	3.15	9.89	1.35	7.81	1.46	3.97	0.54	3.26	0.49	43	363
				C32-2	5-10		16.6	6.1	0.7	73.6	154	17.8	73.2	14.15	3.1	11.65	1.63	9.68	1.85	5.1	0.72	4.36	0.64	55.1	427
				C32-3	10-15		18.5	4.4	0.6	69	142	16.45	67.8	13.35	3.11	11.35	1.6	9.55	1.85	5.18	0.74	4.46	0.65	54.4	401
				C32-4	15-20		18.7	6.8	0.7	72.3	147.5	17.05	69.9	13.4	3.35	11.2	1.57	9.27	1.76	4.86	0.7	4.19	0.62	51.1	409
				C32-5	20-25		17.3	5	0.6	74.5	154.5	18.1	68.2	14.55	3.27	12.45	1.79	10.65	2.01	5.73	0.8	4.88	0.71	58.6	431
				C32-6	25-30		17.5	4.6	0.6	71.9	148.5	17.45	66.3	14	3.1	11.95	1.72	10.2	1.93	5.44	0.76	4.61	0.67	56.2	415
				C32-7	30-35		19.3	5	0.6	82.6	172.5	20.1	77.4	16.05	3.19	13.45	1.93	11.5	2.18	6.08	0.86	5.17	0.75	64	478
				C32-8	35-40		17.1	4.4	0.5	71.4	149	17.15	66.7	13.6	3.06	11.4	1.63	9.47	1.82	5.08	0.72	4.34	0.63	52.8	409
				C32-9	40-45		19	4.5	0.5	68.7	143	16.4	67.8	13.05	3.1	11.5	1.62	9.52	1.82	5.03	0.71	4.33	0.64	52.3	400
				C32-10	45-50		17.3	3.8	0.7	50.1	103	13.5	51.2	10.15	2.66	8.52	1.21	7.18	1.34	3.7	0.52	3.09	0.46	38.4	295
				C32-11	50-55		9.4	2	0.4	26.2	53.2	6.82	26	5.35	1.71	4.59	0.7	4.27	0.81	2.3	0.32	1.99	0.29	23.1	158
				C32-12	55-60		8.1	1.4	0.5	19.6	41.9	5.07	20	4	1.45	4.21	0.65	3.38	0.67	1.82	0.25	1.54	0.24	17.6	122
				C32-13	60-65		13.3	3	0.8	37.8	69.8	9.05	33.5	6.23	2.07	5.11	0.7	4.04	0.75	2.07	0.29	1.67	0.25	22.5	196
				C32-14	65-70		13	2.8	0.7	30.8	60.8	7.55	27.5	4.88	1.63	3.74	0.5	2.93	0.55	1.46	0.21	1.26	0.2	17.7	162
				C32-15	70-75		13.7	4.2	0.6	66.6	134.5	15	60.7	11.35	2.8	9.71	1.38	8.19	1.55	4.32	0.62	3.73	0.54	45	366
				C32-16	75-80		15.4	3.9	0.5	52	108	12.2	50.4	9.73	2.61	8.42	1.19	7.1	1.34	3.75	0.54	3.28	0.48	37.4	298
				C32-17	80-85		17.8	3.5	0.7	44.7	92.2	11.6	43.1	8.31	2.3	7.14	1.01	6.06	1.15	3.18	0.45	2.71	0.4	32.2	257
				C32-18	85-90		16.1	4.3	0.7	56.2	115.5	12.95	53.6	10.1	2.68	8.93	1.2	7.1	1.34	3.68	0.52	3.13	0.46	38.5	316
				C32-19	90-95		17.2	4.2	0.5	66.1	135	15.7	65.8	12.75	3.1	11.15	1.52	8.86	1.67	4.63	0.65	3.87	0.56	48.2	380
				C32-20	95-100		18.5	4.1	0.5	71.7	149.5	17.4	71.4	14	2.91	11.55	1.6	9.49	1.81	4.96	0.7	4.16	0.61	54.2	416
C33	243028	3781717	1457	C33-1	0-5		17.5	6.7	0.7	69.4	142	16.3	67	13.35	3.03	11.5	1.66	9.87	1.92	5.32	0.76	4.69	0.68	56.3	404
				C33-2	5-10		19.2	3.8	0.8	54.9	115	13.5	57.9	11.6	3.05	10.05	1.36	7.86	1.46	3.93	0.54	3.29	0.47	41.9	327
				C33-3	10-15		18.3	4.4	0.6	67.7	138	15.9	65.9	12.9	3.06	11.25	1.58	9.43	1.79	5	0.71	4.34	0.63	50.6	389

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C33-4	15-20		20.1	4.7	0.6	73.6	149	17.4	71.5	14.05	3.42	12.25	1.74	10.3	1.97	5.46	0.78	4.73	0.71	57.6	425
				C33-5	20-25		18.4	4.5	0.6	73.6	151	17.75	71.8	13.9	3.4	11.6	1.63	9.57	1.86	5.09	0.73	4.33	0.64	52.7	420
				C33-6	25-30		17.4	3.8	0.9	67.8	138	15.65	64.5	12.5	3.37	11.15	1.56	9.41	1.81	5.15	0.74	4.5	0.66	52.6	389
				C33-7	30-35		18.3	4.5	0.5	76.7	154.5	17.7	72	13.9	3.37	11.75	1.66	9.69	1.87	5.21	0.75	4.51	0.65	55.2	429
				C33-8	35-40		17.8	2.5	0.5	41.1	88.1	11.8	46.1	9.79	2.72	8.5	1.2	6.94	1.29	3.58	0.5	3.04	0.44	37.7	263
				C33-9	40-45		19.7	4.5	0.5	70	143	16.5	68.7	13.4	3.25	11.3	1.59	9.33	1.77	4.89	0.69	4.22	0.61	51.9	401
				C33-10	45-50		18.8	4.7	0.5	71.5	144	16.65	68	13.15	3.27	11.3	1.59	9.48	1.83	5.04	0.72	4.23	0.63	53	404
				C33-11	50-55		17.3	3.1	0.5	42.4	89	11.55	43.4	8.69	2.47	7.47	1.06	6.27	1.17	3.25	0.46	2.86	0.42	34	254
				C33-12	55-60		14	3.3	0.8	39.3	78.4	9.69	35.8	6.82	2.15	5.7	0.81	4.67	0.88	2.42	0.33	1.91	0.29	28.1	217
				C33-13	60-65		7.5	2.5	0.6	24.8	50.2	6.05	21.7	3.9	1.59	3.15	0.43	2.51	0.47	1.26	0.18	1.06	0.17	14.5	132
				C33-14	65-70		5.5	2.5	0.5	26.8	50.5	5.86	20	3.42	1.54	2.61	0.36	1.99	0.36	0.97	0.13	0.84	0.14	11.6	127
				C33-15	70-75		10.6	4.3	0.7	50.7	101	12.6	47.1	8.27	2.18	6.34	0.91	4.54	0.92	2.59	0.34	1.92	0.31	24	264
				C33-16	75-80		16.4	5.4	0.6	68.6	138	17.8	66.7	12.15	2.94	9.84	1.41	7	1.43	4.01	0.52	2.96	0.45	36.1	370
				C33-17	80-85		15.2	3.7	0.7	66.1	133	16.95	64.3	11.95	3.02	10.15	1.49	7.53	1.56	4.5	0.59	3.35	0.52	38.4	363
				C33-18	85-90		22.4	3	0.6	39.8	83.6	11	43	8.69	2.61	7.92	1.18	6.04	1.25	3.61	0.48	2.74	0.42	31.4	244
				C33-19	90-95		20.7	4	0.6	68.3	137.5	17.4	66.3	12.65	3.16	10.95	1.63	8.39	1.75	5.04	0.67	3.81	0.58	43.3	381
				C33-20	95-100		18.6	4.4	0.5	82.2	163.5	20.6	77.3	14.2	3.51	12.4	1.82	9.17	1.89	5.46	0.71	4.05	0.63	46.5	444
C34	243009	3781740	1464	C34-1	0-5		19.8	7.2	1	73.4	146	18.95	72	13.6	3.22	11.8	1.73	8.77	1.82	5.27	0.69	3.96	0.6	44.8	407
				C34-2	5-10		20.7	4.8	0.8	73	146	18.9	72.5	13.6	3.36	11.65	1.71	8.78	1.81	5.21	0.69	3.9	0.61	45.3	407
				C34-3	10-15		19.8	4.5	0.5	71.6	145.5	18.7	72.4	13.85	3.45	12.3	1.8	9.26	1.95	5.64	0.76	4.29	0.67	48.1	410
				C34-4	15-20		19.8	3.7	0.5	63.5	130	17	65.8	12.7	3.39	11.3	1.64	8.35	1.73	4.95	0.65	3.77	0.58	42.1	367
				C34-5	20-25		19.1	4.2	0.6	70.1	139.5	18	68.6	13.1	3.37	11.65	1.72	8.84	1.83	5.33	0.71	4.06	0.63	45.4	393
				C34-6	25-30		20.4	5.2	0.6	81.2	162	20.7	78.3	15.15	3.7	13.45	1.97	10.2	2.12	6.1	0.8	4.6	0.71	51.1	452
				C34-7	30-35		20.8	4.6	0.5	83.3	166.5	21.4	81.1	15.45	3.66	13.35	1.99	10.2	2.13	6.16	0.81	4.65	0.72	53.8	465
				C34-8	35-40		21.6	5.5	0.5	87.3	173.5	22.3	85.3	16.2	3.94	14.3	2.08	10.6	2.19	6.35	0.84	4.75	0.74	53.3	484
				C34-9	40-45		21.2	4.1	0.5	72.7	143.5	18.5	70.3	13.25	3.43	11.8	1.71	8.6	1.78	5.14	0.68	3.73	0.58	44.3	400
				C34-10	45-50		7.3	2.2	0.6	27.6	52.4	6.31	22.8	4.08	1.5	3.49	0.5	2.5	0.51	1.44	0.19	1.13	0.2	13	138
				C34-11	50-55		6	2.2	0.4	25.3	47.5	5.67	20.5	3.6	1.38	3	0.41	2.04	0.41	1.11	0.15	0.86	0.15	10	122
				C34-12	55-60		4.4	2.2	0.5	24.8	45.8	5.27	18.4	3.02	1.31	2.36	0.32	1.57	0.31	0.86	0.11	0.71	0.13	7.9	113
				C34-13	60-65		4.7	2.8	0.7	28.6	50.9	5.88	20.1	3.33	1.37	2.52	0.35	1.65	0.33	0.92	0.12	0.75	0.13	8.7	126
				C34-14	65-70		13.3	3.7	0.6	52.2	106.5	13.45	50.4	9.57	2.73	8.35	1.24	6.4	1.34	3.89	0.52	3	0.47	31.8	292
				C34-15	70-75		17.1	5	0.6	78.9	158	20.1	75.8	14.05	3.37	12.2	1.78	8.97	1.84	5.26	0.69	3.86	0.6	44.3	430
				C34-16	75-80		18	4.5	0.5	83.2	166.5	21.1	80.2	14.95	3.66	13	1.91	9.5	1.95	5.6	0.73	4.08	0.63	46.6	454
				C34-17	80-85		20.2	4.6	0.5	81.6	164	21.1	80.1	15.05	3.65	13.2	1.95	9.94	2.06	5.87	0.78	4.33	0.66	49.8	454
				C34-18	85-90		15.9	4.7	0.6	75.4	153.5	19.45	72.9	13.65	3.34	11.75	1.73	8.78	1.82	5.2	0.7	3.93	0.6	44.3	417
				C34-19	90-95		17.8	4.6	0.6	59.7	118.5	15.25	57.7	10.9	2.92	9.69	1.41	7.14	1.47	4.3	0.56	3.18	0.5	35.6	329
				C34-20	95-100		20.5	3.9	0.5	73.1	146.5	18.75	71.6	13.7	3.59	12.1	1.79	9.09	1.87	5.44	0.72	4.09	0.63	45.8	409
C35	242989	3781766	1461	C35-1	0-5		19.4	5.8	0.9	78.7	155.5	20.2	76.6	14.6	3.61	13.2	1.93	9.93	2.09	6	0.8	4.65	0.71	50.2	439
				C35-2	5-10		21.9	4.4	0.5	83.1	167.5	21.9	84	15.85	3.67	13.6	2.01	10.25	2.11	6.08	0.81	4.59	0.71	51.4	468
				C35-3	10-15		28.9	4.5	0.8	55.7	116	15.85	63.8	14.15	3.29	13	2	10.3	2.16	6.28	0.84	4.72	0.71	52.3	361
				C35-4	15-20		21.3	4.6	0.6	71.8	142	18.55	71.5	13.95	3.42	12.3	1.82	9.42	1.96	5.66	0.75	4.3	0.66	47.9	406
				C35-5	20-25		17.9	3.7	0.5	54.2	108	13.95	52.8	10.1	2.62	8.68	1.25	6.46	1.33	3.8	0.51	2.87	0.44	32.9	300
				C35-6	25-30		20.6	3.8	0.5	58.2	114	14.75	56.2	10.3	2.64	8.67	1.25	6.3	1.31	3.72	0.49	2.76	0.43	32.1	313
				C35-7	30-35		20.3	4.8	0.6	81.3	164	21.1	80.8	15.35	3.69	13.15	1.95	9.84	2.06	5.9	0.77	4.35	0.67	48.8	454
				C35-8	35-40		19.3	5.3	0.6	82	168.5	21.5	82.7	15.7	3.64	13.65	1.99	10.15	2.07	5.88	0.77	4.29	0.66	49.6	463
				C35-9	40-45		11.3	3.3	0.5	45.2	105.5	11.55	45.1	8.52	2.29	7.38	1.1	6.54	1.23	3.41	0.47	2.69	0.39	32.1	273
				C35-10	45-50		4.9	2.3	0.6	22.8	49.4	5.1	18.7	3.24	1.34	2.69	0.38	2.18	0.4	1.09	0.15	0.87	0.14	11.1	120
				C35-11	50-55		3.3	2.2	0.5	21.6	45.2	4.51	15.7	2.6	1.28	1.92	0.26	1.45	0.26	0.68	0.1	0.62	0.11	7.6	104

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C35-12	55-60		11	3.2	0.6	41.1	99.4	10.95	42.7	8.16	2.33	6.98	1.05	6.37	1.21	3.29	0.45	2.59	0.38	29.7	257
				C35-13	60-65		13	4.1	0.6	60.9	143	14.2	60.9	11.5	2.89	9.98	1.45	8.65	1.63	4.54	0.61	3.55	0.51	41.6	366
				C35-14	65-70		16	5.5	0.6	69.7	162.5	16.4	70.2	13.65	3.19	12	1.74	10.35	1.96	5.29	0.73	4.09	0.58	50.4	423
				C35-15	70-75		15.9	4.1	0.6	64.9	154.5	15.75	66.9	12.9	3.02	11.35	1.66	9.99	1.91	5.18	0.7	3.97	0.56	48.6	402
				C35-16	75-80		17.1	3.9	0.5	61.5	149.5	15.25	66	12.9	3.06	11.35	1.64	9.7	1.83	5.03	0.68	3.88	0.55	46.5	389
				C35-17	80-85		19	4	0.5	54.7	133	13.4	59.6	11.8	2.96	10.95	1.51	8.94	1.68	4.56	0.61	3.47	0.49	41.2	349
				C35-18	85-90		16.3	4.1	0.6	57.3	141.5	14.25	64	12.7	2.93	9.95	1.43	8.58	1.61	4.43	0.61	3.53	0.5	39.8	363
				C35-19	90-95		13.7	4.8	0.7	58.3	135.5	13.3	56.5	10.6	2.73	9.39	1.32	7.68	1.46	3.98	0.52	3.01	0.43	36.3	341
				C35-20	95-100		8.3	2.9	0.4	28.9	69.7	7.77	29.6	5.65	1.75	4.86	0.71	4.1	0.75	2.03	0.28	1.53	0.23	18.4	176
C36	242967	3781784	1466	C36-1	0-5		15.7	6.7	0.6	69.1	161	16.4	69.7	13.7	3.08	11.75	1.76	10.5	2.01	5.55	0.77	4.37	0.63	51.2	422
				C36-2	5-10		16.7	4.7	0.7	61.4	142	14.1	61.1	11.6	2.94	10.85	1.54	9.23	1.78	4.92	0.66	3.89	0.56	45.7	372
				C36-3	10-15		16.9	5.9	0.6	74.3	174.5	17.6	72.6	14.65	3.4	13.5	2	11.8	2.3	6.41	0.87	5.01	0.71	58.2	458
				C36-4	15-20		17	4.6	0.5	72.8	171.5	17.05	67.5	14.35	3.43	13.1	1.92	11.6	2.22	6.22	0.86	5.06	0.73	57.4	446
				C36-5	20-25		18	4.8	0.6	65.1	153.5	14.9	64.8	12.55	2.89	11.35	1.64	9.94	1.88	5.27	0.72	4.19	0.59	51	400
				C36-6	25-30		10.4	2.6	0.6	28.2	66.1	7.37	28.9	5.71	1.92	4.87	0.72	4.23	0.8	2.2	0.31	1.81	0.27	21	174
				C36-7	30-35		9.6	2.4	0.5	26.6	60.9	6.45	24.5	4.46	1.59	3.91	0.57	3.36	0.65	1.78	0.24	1.47	0.22	18.4	155
				C36-8	35-40		13.6	3.5	0.5	56.4	131.5	12.8	55.5	10.5	2.68	9.18	1.34	8.06	1.53	4.17	0.58	3.39	0.49	39.9	338
				C36-9	40-45		16.8	4.7	0.6	76.1	178	18	72.2	14.45	3.28	12.2	1.81	10.6	2.04	5.55	0.76	4.37	0.62	52.9	453
				C36-10	45-50		13.3	4.5	0.6	61	143	14.25	60.7	11.45	2.8	9.82	1.42	8.41	1.58	4.39	0.6	3.34	0.48	41.1	364
				C36-11	50-55		15.7	3.6	0.5	42.9	100	11.15	43.6	8.44	2.45	7.23	1.04	6.09	1.12	3.05	0.41	2.37	0.34	28.9	259
				C36-12	55-60		10.1	2.6	0.5	28.4	69.6	7.87	31.4	6.13	1.94	5.36	0.74	4.25	0.78	2.08	0.28	1.6	0.24	19.4	180
				C36-13	60-65		6.6	2.1	0.3	20	46.8	5.29	20.2	3.79	1.44	3.15	0.44	2.41	0.42	1.09	0.14	0.83	0.13	11.9	118
				C36-14	65-70		8.8	2.3	0.3	22.8	59.3	6.95	28.2	5.82	1.86	4.78	0.67	3.8	0.69	1.83	0.24	1.38	0.2	18.2	157
				C36-15	70-75		16.1	3.8	0.6	53.6	128.5	12.6	55.4	11	2.83	9.49	1.38	8.19	1.56	4.31	0.58	3.38	0.48	39.4	333
				C36-16	75-80		16.5	4	0.6	64.3	154.5	15.45	67	13.2	3.12	11.8	1.72	10.2	1.96	5.49	0.75	4.32	0.61	49.5	404
				C36-17	80-85		19.8	3.6	0.7	52.1	125.5	12.9	58.5	11.85	3.08	10.2	1.44	8.52	1.57	4.24	0.57	3.25	0.45	39.9	334
				C36-18	85-90		18.6	5.3	0.5	72.9	169	17.05	73.2	14.6	3.27	12.65	1.88	11.25	2.17	5.96	0.84	4.85	0.68	57.3	448
				C36-19	90-95		17	5.2	0.5	71.8	164.5	16.75	71.7	13.85	3.28	12.45	1.8	10.7	2.09	5.76	0.79	4.53	0.66	53.5	434
				C36-20	95-100		16.8	3.8	0.5	72.4	167.5	17	73.4	14.5	3.47	12.15	1.75	10.45	1.97	5.41	0.73	4.2	0.61	51.6	437
C37	242947	3781809	1464	C37-1	0-5		16.8	5.1	0.7	72.5	170	17.05	73.5	14.1	3.13	12.3	1.78	10.8	2.06	5.7	0.77	4.48	0.64	53.9	443
				C37-2	5-10		15.9	4.3	0.6	66.2	155	15.35	65.7	12.65	2.97	10.95	1.63	9.79	1.88	5.23	0.72	4.22	0.6	48.9	402
				C37-3	10-15		13.9	3.4	0.8	51.3	106	13.2	48.2	9.16	2.55	7.65	1.22	6.56	1.4	3.84	0.5	2.94	0.48	36.5	292
				C37-4	15-20		4.7	2.1	0.5	22.2	44	5.24	18	3.21	1.5	2.58	0.39	2.08	0.42	1.12	0.15	0.89	0.16	11.4	113
				C37-5	20-25		13.5	3.6	0.7	63.5	128	14.1	57	11.05	3.03	9.43	1.44	7.93	1.7	4.55	0.6	3.46	0.57	42.5	349
				C37-6	25-30		16.7	4	0.7	77.1	158	17.85	71.8	13.9	3.69	12	1.85	10.05	2.12	5.66	0.76	4.26	0.7	53.8	434
				C37-7	30-35		13.7	3.2	0.7	51.1	105.5	13.55	49.9	9.76	2.8	7.81	1.21	6.44	1.35	3.57	0.47	2.7	0.44	33.2	290
				C37-8	35-40		8.4	2.3	0.4	27.4	56.7	7.31	26.7	5.21	1.85	4.46	0.66	3.46	0.69	1.78	0.23	1.29	0.22	18.8	157
				C37-9	40-45		13.4	3	0.4	37.8	79.3	10.25	38	7.47	2.45	6.17	0.92	4.75	0.96	2.46	0.32	1.78	0.29	23.2	216
				C37-10	45-50		14.9	2.6	0.4	40.1	86.2	11.55	44.4	9.35	2.87	7.64	1.12	5.78	1.19	3.09	0.4	2.29	0.36	29	245
				C37-11	50-55		14.9	4.1	0.7	54	113.5	14.6	53.6	10.5	3.01	8.78	1.35	7.2	1.52	4.04	0.53	3	0.48	37	313
				C37-12	55-60		12.1	3.6	0.6	58.7	119.5	14.3	53.8	10.45	2.81	8.24	1.26	6.78	1.42	3.78	0.5	2.86	0.46	34.7	320
				C37-13	60-65		11.9	3.1	0.5	45.3	92.8	11.6	42	8.18	2.39	6.71	1.05	5.69	1.19	3.23	0.42	2.44	0.4	31.1	255
				C37-14	65-70		16.6	3.9	0.6	78.4	157.5	17.55	70.3	13.65	3.38	11.4	1.77	9.6	2.01	5.47	0.75	4.29	0.69	52.9	430
				C37-15	70-75		17.4	5.5	0.6	81.1	163.5	18.15	73.3	14.2	3.43	12	1.84	10.1	2.14	5.95	0.79	4.58	0.74	57.1	449
				C37-16	75-80		17.8	4.4	0.5	82.8	168	19	75.7	15.05	3.47	12.25	1.91	10.45	2.22	6.08	0.81	4.72	0.75	57.7	461
				C37-17	80-85		18.1	4.6	0.7	69.7	143	15.95	64.6	12.5	3.08	10.35	1.6	8.65	1.84	5.05	0.66	3.8	0.62	48.2	390
				C37-18	85-90		18.1	4.6	0.6	76.8	157	17.75	72.4	14	3.5	11.95	1.83	9.98	2.15	5.7	0.76	4.34	0.71	55.1	434
				C37-19	90-95		15.9	4.7	0.5	72.1	145	16.55	66.6	12.95	3.24	10.55	1.62	8.75	1.88	5.08	0.67	3.82	0.62	49.6	399

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C37-20	95-100		18.1	4.4	0.6	82	168	19.1	77.1	14.95	3.57	12.4	1.91	10.4	2.18	5.92	0.79	4.46	0.73	56.3	460
C38	242930	3781831	1459	C38-1	0-5		7.9	3.8	0.7	33	64.5	8.1	29.1	5.43	1.73	4.23	0.64	3.44	0.72	1.87	0.25	1.44	0.25	20.7	175
				C38-2	5-10		13.8	4.3	0.6	61.4	126.5	15.7	56.7	10.85	2.73	8.12	1.28	6.98	1.46	3.88	0.52	2.91	0.47	38.3	338
				C38-3	10-15		16.1	4.8	0.7	72.5	148	16.5	66.9	13	3.18	10.55	1.6	8.69	1.84	4.84	0.64	3.68	0.58	46.7	399
				C38-4	15-20		14.6	6	0.7	77.8	160.5	17.8	70.7	13.5	3.24	10.35	1.56	8.28	1.74	4.69	0.6	3.46	0.56	44.1	419
				C38-5	20-25		18	5.8	0.8	96.9	206	23.5	86	17.85	3.39	13.7	2.15	11.45	2.41	6.38	0.84	4.74	0.76	61.4	537
				C38-6	25-30		18	5.3	0.9	95.3	200	22.7	91.1	17.3	3.41	13.75	2.11	11.35	2.42	6.42	0.85	4.82	0.77	62.8	535
				C38-7	30-35		15.3	5.3	0.8	91.9	190.5	21.5	84.6	16.1	3.44	12.15	1.86	9.96	2.1	5.57	0.72	4.07	0.65	52.9	498
				C38-8	35-40		10.9	4.2	0.7	67.2	137.5	15.3	61.6	11.45	2.88	8.69	1.32	7.11	1.5	3.94	0.52	2.98	0.49	36.7	359
				C38-9	40-45		13.5	5	0.7	78.3	159.5	17.75	70.5	13.3	3.18	10.2	1.58	8.47	1.79	4.86	0.65	3.73	0.6	46.1	421
				C38-10	45-50		17.2	6.2	0.9	93.2	187.5	20.9	84.2	16.05	3.45	12.2	1.9	10.35	2.2	5.96	0.79	4.53	0.74	57	501
				C38-11	50-55		18.7	6.7	0.8	94.1	196	21.8	87.5	17.05	3.45	12.9	2.03	11.25	2.4	6.63	0.89	5.14	0.81	62.3	524
				C38-12	55-60		13	4.4	0.6	62.8	127	16	57.9	10.95	2.63	8.28	1.31	7.2	1.53	4.13	0.55	3.14	0.52	39.2	343
				C38-13	60-65		15.7	5.1	0.7	78.5	160.5	18.35	71.3	13.8	3.09	10.2	1.6	8.85	1.91	5.08	0.69	3.91	0.64	49.3	428
				C38-14	65-70		16.3	5	0.6	75.7	152.5	17.05	68.9	13.35	3.1	10.2	1.6	8.74	1.88	5.1	0.7	3.98	0.64	48.5	412
				C38-15	70-75		17.3	5.3	0.7	87.3	177.5	19.7	79.2	15.15	3.37	11.75	1.84	10.1	2.17	5.86	0.79	4.56	0.72	55	475
				C38-16	75-80		16.5	5.1	0.8	67.3	135.5	16.95	60.7	11.75	2.78	8.72	1.4	7.68	1.65	4.44	0.59	3.43	0.55	42.6	366
				C38-17	80-85		19.1	5.6	0.6	70.7	151.5	16.8	65.8	13.25	3.33	13.1	1.93	11	1.93	5.92	0.78	4.19	0.64	54.2	415
				C38-18	85-90		18	4.4	0.5	65.7	142	15.75	61.8	12.3	3.24	12.5	1.81	10.3	1.8	5.55	0.73	3.89	0.59	50.3	388
				C38-19	90-95		19.4	5	0.5	76.1	159	17.7	69	13.55	3.68	13.95	2.03	11.55	2.03	6.21	0.81	4.4	0.66	56.2	437
				C38-20	95-100		18.1	5.2	0.6	73.7	159	17.6	69.4	13.65	3.45	13.9	2	11.35	1.99	6.01	0.79	4.25	0.64	54.3	432
C39	242909	3781855	1447	C39-1	0-5		12.2	5.6	0.9	49.3	104	11.6	45.2	8.85	2.43	8.61	1.25	7.04	1.21	3.73	0.49	2.66	0.4	34.4	281
				C39-2	5-10		16.9	4.6	0.7	63.2	135	15.3	60.4	12.05	3.26	12.2	1.72	9.48	1.64	4.94	0.64	3.43	0.52	45.9	370
				C39-3	10-15		15.9	5.4	0.7	65.5	139	15.95	62.7	12.5	3.26	12.6	1.8	10.1	1.76	5.29	0.69	3.68	0.56	47.4	383
				C39-4	15-20		18.5	5.6	0.6	85.2	172.5	19.55	76.1	14.7	3.74	14.5	2.06	11.5	2	6.04	0.79	4.18	0.63	55.6	469
				C39-5	20-25		14.6	5	0.6	66.5	140.5	15.5	60.7	11.7	3.08	11.7	1.69	9.47	1.66	5	0.65	3.47	0.53	45.2	377
				C39-6	25-30		9.2	2.8	0.4	32	70.3	7.96	30.5	5.99	1.82	5.71	0.83	4.6	0.8	2.36	0.31	1.67	0.26	21.7	187
				C39-7	30-35		16.4	4.9	0.6	72.9	155.5	17.15	67.1	13.05	3.36	12.7	1.81	10.3	1.78	5.4	0.69	3.73	0.56	49	415
				C39-8	35-40		13.3	3.4	0.4	46.8	104	11.65	46.6	9.25	2.53	9.15	1.32	7.5	1.3	3.96	0.52	2.75	0.42	33.7	281
				C39-9	40-45		18	5.2	0.7	75.2	157.5	17.45	68.3	13.3	3.43	12.8	1.83	10.55	1.84	5.57	0.72	3.89	0.59	50.4	423
				C39-10	45-50		17.8	4.1	0.6	57.7	123.5	13.95	55.9	11	3.05	10.95	1.57	8.94	1.56	4.75	0.63	3.39	0.52	42.8	340
				C39-11	50-55		19.5	4.9	0.6	83	172.5	19.25	75.6	14.65	3.57	14.05	1.99	11.2	1.95	5.88	0.77	4.15	0.63	53.4	463
				C39-12	55-60		20.6	5.3	0.6	90	190.5	21	82.4	16	3.71	15.55	2.2	12.45	2.13	6.46	0.83	4.5	0.68	58.9	507
				C39-13	60-65		20.4	6.1	0.6	95.7	201	22	85.3	16.4	3.7	15.5	2.2	12.4	2.18	6.64	0.87	4.69	0.7	59.8	529
				C39-14	65-70		18.7	8	0.6	88.6	186	20.4	78.9	15.25	3.67	14.75	2.09	11.85	2.08	6.33	0.84	4.5	0.68	56.9	493
				C39-15	70-75		18	5.1	0.5	82.9	175.5	19.35	74.9	14.45	3.44	13.55	1.95	11	1.92	5.83	0.75	4.07	0.62	52.2	462
				C39-16	75-80		17.2	5.4	0.5	77.4	165	18.15	70.5	13.6	3.23	12.75	1.82	10.3	1.8	5.44	0.71	3.84	0.59	49	434
				C39-17	80-85		16.9	6.1	0.7	81.5	171.5	18.8	72.6	14	3.39	13.35	1.9	10.8	1.87	5.74	0.77	4.1	0.63	51.8	453
				C39-18	85-90		17.6	6.4	0.6	82	172.5	18.85	73	14.15	3.45	13.55	1.98	11.25	1.96	5.96	0.8	4.29	0.65	54.1	458
				C39-19	90-95		18.6	5.4	0.7	72.1	149.5	16.75	65.1	12.65	3.16	12.45	1.82	10.3	1.83	5.59	0.74	4.05	0.61	51.1	408
				C39-20	95-100		19.4	5.2	0.7	64.4	139	15.55	61.4	12.35	3.12	12.05	1.78	10.2	1.79	5.51	0.71	3.89	0.59	49.2	382
C40	242890	3781879	1441	C40-1	0-5		17.3	5.7	0.8	70.4	151	16.5	65.1	12.7	3.08	12.2	1.73	9.81	1.71	5.21	0.69	3.69	0.56	46.8	401
				C40-2	5-10		17.3	4.4	0.6	69.2	150.5	16.45	64.6	12.3	3.19	11.65	1.66	9.37	1.65	4.99	0.65	3.56	0.54	44.5	395
				C40-3	10-15		18.7	4.2	0.5	74.5	157	17.5	69	13.5	3.5	13	1.85	10.35	1.79	5.45	0.7	3.8	0.58	48.6	421
				C40-4	15-20		17.2	7.4	0.6	77.2	164.5	17.75	68.9	13.55	3.36	13	1.88	10.65	1.85	5.64	0.74	4.01	0.61	49.2	433
				C40-5	20-25		18.4	5.7	0.5	81.6	173.5	19.25	74.6	14.55	3.36	13.65	1.96	11.2	1.95	5.99	0.79	4.29	0.65	54.3	462
				C40-6	25-30		17.6	4.5	0.6	71.6	150	16.65	64.9	12.4	2.99	11.55	1.66	9.4	1.64	5.05	0.66	3.54	0.55	45.7	398
				C40-7	30-35		19	11.2	0.6	88.1	189	20.6	79.5	15.35	3.46	14.55	2.09	11.95	2.1	6.42	0.85	4.6	0.7	57.2	496

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C40-8	35-40		19.5	5.8	0.5	89.1	189.5	21.1	82.5	16.15	3.62	15.3	2.18	12.4	2.17	6.68	0.87	4.72	0.71	60	507
				C40-9	40-45		19.6	5.6	0.6	86.4	184.5	20.3	79.5	15.75	3.63	15.1	2.17	12.35	2.18	6.75	0.89	4.86	0.74	60.8	496
				C40-10	45-50		17.5	4.9	0.6	77.7	167.5	18.45	72.1	14.2	3.35	13.7	1.96	11.15	1.93	5.99	0.79	4.27	0.65	53	447
				C40-11	50-55		19.1	4.7	0.5	76.1	165.5	19.35	73	14.95	3.44	14.55	1.95	10.95	2.21	5.92	0.86	5.05	0.7	59.6	454
				C40-12	55-60		19.1	5.5	0.7	79.7	172	19.9	74.7	15.15	3.52	15.3	2.05	11.5	2.31	6.31	0.9	5.3	0.73	60.9	470
				C40-13	60-65		18.8	4.3	0.5	76.1	164.5	19.2	72.3	14.65	3.51	15	1.98	11.05	2.23	6.12	0.88	5.09	0.69	56.7	450
				C40-14	65-70		19.7	4.9	0.5	79.8	173	20.2	76.9	15.5	3.75	16.35	2.11	11.75	2.36	6.41	0.91	5.36	0.74	59.3	474
				C40-15	70-75		19.4	5.3	0.6	73.6	159.5	18.65	70.3	14.3	3.62	15.1	1.97	10.95	2.19	5.94	0.84	4.86	0.68	55.4	438
				C40-16	75-80		16.3	5.6	0.6	63.5	137.5	15.9	59.6	11.6	3.1	11.5	1.46	7.98	1.56	4.21	0.6	3.49	0.47	39.8	362
				C40-17	80-85		19.5	5.6	0.5	78.2	173.5	19.9	75.4	15.3	3.52	15.6	2.06	11.45	2.3	6.34	0.89	5.21	0.71	60.3	471
				C40-18	85-90		19	4.7	0.4	75.1	163.5	19.2	72.3	14.6	3.53	14.95	1.99	11.2	2.25	6.09	0.87	5.11	0.7	57.1	448
				C40-19	90-95		20.1	6.1	0.5	74.8	163	18.95	71.5	14.5	3.56	14.75	1.95	10.9	2.2	6.01	0.85	5.05	0.69	57.3	446
				C40-20	95-100		19.3	4.7	0.4	70.2	151.5	17.65	66.6	13.5	3.46	14.35	1.91	10.65	2.15	5.77	0.84	4.86	0.67	54.6	419
C41	242867	3781901	1438	C41-1	0-5		18.2	6.3	0.8	64.5	139	15.8	59.3	11.8	2.96	12.2	1.59	8.87	1.76	4.79	0.69	4.08	0.57	44.1	372
				C41-2	5-10		17.7	4.9	0.8	65.7	144	16.55	61.8	12.35	3.09	12.9	1.72	9.57	1.91	5.2	0.75	4.34	0.59	47.9	388
				C41-3	10-15		20.7	8.6	1.1	70.8	149.5	17.4	65.6	13.25	3.42	13.55	1.74	9.58	1.91	5.17	0.73	4.23	0.58	48.2	406
				C41-4	15-20		20	7.9	0.9	84	178.5	20.6	76.8	15.25	3.76	15.85	2.07	11.4	2.28	6.16	0.87	5	0.69	57.9	481
				C41-5	20-25		19.8	5.8	0.6	76.9	170.5	19.5	72.7	14.65	3.39	14.85	1.99	10.95	2.2	5.92	0.85	4.93	0.67	55.5	456
				C41-6	25-30		19.9	5	0.5	69.8	148.5	17.55	65.9	13.35	3.32	14.1	1.86	10.4	2.11	5.79	0.84	4.86	0.67	53	412
				C41-7	30-35		20.6	5.8	0.7	78.5	169.5	19.6	73.6	14.95	3.69	15.35	2.08	11.6	2.36	6.42	0.93	5.49	0.75	59.4	464
				C41-8	35-40		20	4.7	0.5	76.8	166.5	19.35	73.2	15	3.74	15.8	2.06	11.5	2.3	6.3	0.89	5.24	0.72	58.1	458
				C41-9	40-45		18.7	6.3	1.2	67.5	147	17.1	64.7	13.25	3.17	13.85	1.84	10.25	2.09	5.74	0.85	5.02	0.71	53.7	407
				C41-10	45-50		19.4	5.3	0.7	74.6	161.5	18.5	70.1	14.1	3.54	14.5	1.92	10.7	2.16	5.98	0.86	5.09	0.7	56.8	441
				C41-11	50-55		20.2	10.2	0.8	122.5	274	30.4	107.5	18.6	3.46	17.25	2.16	11.65	2.27	6.11	0.85	5	0.69	58.3	661
				C41-12	55-60		14.3	6	0.7	53.6	122	14.15	53.2	10.25	2.74	10.15	1.31	7.16	1.41	3.8	0.54	3.07	0.42	33.9	318
				C41-13	60-65		16.2	6.1	0.6	58.8	128.5	15.05	56.6	11.1	3.05	10.85	1.39	7.68	1.51	4.08	0.57	3.33	0.45	37.1	340
				C41-14	65-70		19.9	6.8	0.5	77.2	165.5	19.3	72.6	14.7	3.59	15.1	2.02	11.2	2.23	6.06	0.87	5.15	0.71	57.5	454
				C41-15	70-75		18.1	4.3	0.5	66.6	143	16.65	63.1	12.65	3.24	12.95	1.67	9.33	1.85	5.08	0.73	4.23	0.58	47.2	389
				C41-16	75-80		16	7.1	0.8	61.7	134.5	15.8	59.5	12.1	3.1	12.25	1.62	9.12	1.83	5	0.72	4.28	0.59	46.6	369
				C41-17	80-85		19.9	5.3	0.6	77.4	167	19.5	72.8	14.55	3.66	15.35	2.01	11.15	2.23	6.17	0.88	5.16	0.7	56.3	455
				C41-18	85-90		19.4	5.6	0.6	82.3	178	20.5	76.8	15.5	3.75	16.35	2.17	12.1	2.42	6.62	0.96	5.56	0.76	61.4	485
				C41-19	90-95		20.1	4.5	0.5	76.6	165.5	19.25	72.8	14.85	3.58	15.1	2	11.35	2.28	6.2	0.9	5.28	0.72	59.4	456
				C41-20	95-100		19.8	4.2	0.4	77.1	170.5	19.95	76.5	15.65	3.74	16.5	2.16	11.9	2.36	6.42	0.92	5.28	0.71	59.3	469
C42	242849	3781925	1448	C42-1	0-5		16	6.7	0.9	65.5	144	16.15	60.5	12	2.93	12	1.56	8.66	1.74	4.72	0.68	3.99	0.55	43.6	379
				C42-2	5-10		17.2	5.5	0.7	58.1	126.5	14.35	53.5	10.65	2.8	10.75	1.42	7.93	1.59	4.37	0.63	3.74	0.53	39.4	336
				C42-3	10-15		14.9	6.4	0.5	60.9	135	15.55	58.2	11.25	2.96	11.05	1.4	7.59	1.48	3.97	0.57	3.33	0.46	35.4	349
				C42-4	15-20		19.6	5.6	0.5	78.3	166	19.35	72.4	14.35	3.39	14.2	1.84	10.15	1.99	5.35	0.77	4.44	0.61	49.3	442
				C42-5	20-25		19.2	11.9	1	98.7	206	22.3	88.3	16.25	3.56	16	2.06	11.45	2.25	6.15	0.84	4.85	0.77	58	537
				C42-6	25-30		19.9	17	1.6	101.5	204	21.6	84.2	14.85	3.5	14.4	1.81	9.87	1.94	5.25	0.72	4.2	0.67	49.6	518
				C42-7	30-35		17.5	8	0.7	79.7	164.5	17.7	70.4	13.05	3.16	12.75	1.7	9.47	1.89	5.15	0.71	4.12	0.65	48	433
				C42-8	35-40		16.2	7.6	0.7	80.6	166	17.8	70.6	13.1	3.21	12.95	1.73	9.53	1.91	5.24	0.74	4.21	0.67	49.9	438
				C42-9	40-45		16.8	6.2	0.6	77.4	161	17.35	69.5	12.85	3.17	12.95	1.69	9.46	1.89	5.17	0.72	4.19	0.67	48.8	427
				C42-10	45-50		17.8	9.5	0.8	83	171.5	18.65	74.5	13.9	3.3	13.9	1.86	10.4	2.09	5.75	0.78	4.6	0.73	55.1	460
				C42-11	50-55		15.1	4.2	0.5	53.3	112.5	12.2	51	9.67	2.49	9.57	1.3	7.31	1.47	4.06	0.57	3.33	0.53	39.7	309
				C42-12	55-60		16.2	5.3	0.6	66.3	139	15.25	61.6	11.95	2.96	12.2	1.62	9.17	1.83	5.04	0.7	4.08	0.66	48.3	381
				C42-13	60-65		16.8	4.9	0.5	74.4	155	17.15	69.7	13.35	3.32	13.85	1.84	10.35	2.09	5.75	0.81	4.68	0.76	54.2	427
				C42-14	65-70		16	5	0.8	57.3	122.5	13.6	55.8	11	2.88	11.7	1.55	8.8	1.76	4.86	0.68	3.95	0.63	45.4	342
				C42-15	70-75		14.8	6.2	0.7	63.6	133	14.5	59.5	10.85	2.88	10.55	1.36	7.54	1.49	4.02	0.54	3.14	0.5	38.9	352

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C42-16	75-80		15.6	4	0.6	51.5	112.5	12.7	54.9	10.55	2.86	10.8	1.41	7.8	1.58	4.33	0.6	3.47	0.56	41	317
				C42-17	80-85		18.2	3.9	0.5	65.8	139	15.65	65.1	12.85	3.4	13.1	1.71	9.53	1.9	5.15	0.71	4.17	0.67	49.4	388
				C42-18	85-90		18	4.8	0.5	73.7	152.5	16.8	68.4	13.2	3.45	13.5	1.78	10.05	1.99	5.45	0.77	4.46	0.72	52.9	420
				C42-19	90-95		17.3	4.9	0.4	72.9	151	16.5	67.2	12.8	3.28	13.1	1.73	9.81	1.97	5.34	0.74	4.38	0.7	50.5	412
				C42-20	95-100		16.9	4.8	0.5	72.3	151	16.55	66.9	12.85	3.11	12.8	1.7	9.53	1.92	5.17	0.72	4.23	0.68	50.3	410
C43	242831	3781946	1458	C43-1	0-5		14.3	5.7	0.9	61	128	13.85	56.2	10.4	2.63	10.4	1.39	7.79	1.55	4.26	0.59	3.49	0.56	40.1	342
				C43-2	5-10		10.8	4.2	0.6	41.4	88.2	9.59	40	7.44	2.05	7.35	0.99	5.5	1.09	2.97	0.42	2.5	0.4	27.4	237
				C43-3	10-15		7.8	3.6	0.5	40.7	81.9	9.48	35.9	6.43	1.83	5.84	0.8	4.45	0.88	2.38	0.34	1.88	0.32	22.1	215
				C43-4	15-20		14.7	7.1	0.5	65.7	136.5	14.85	59.7	11.35	3.03	11.8	1.57	8.72	1.76	4.79	0.66	3.84	0.62	44.4	369
				C43-5	20-25		18.2	7	0.7	68.2	141	15.35	61.6	11.9	3.03	12.4	1.67	9.26	1.86	5.11	0.7	4.06	0.65	47.4	384
				C43-6	25-30		17	5.8	0.7	59.5	121.5	13.2	55.1	10.2	2.98	10.95	1.44	8.01	1.58	4.3	0.59	3.37	0.54	39.8	333
				C43-7	30-35		18	9.6	1	83.8	175.5	19.2	77.2	14.55	3.6	15.05	2.02	11.2	2.23	6.11	0.83	4.87	0.78	56.6	474
				C43-8	35-40		15.9	6.3	0.8	63.6	133.5	14.7	59.2	11.1	2.92	11.35	1.51	8.34	1.68	4.54	0.62	3.6	0.57	41.8	359
				C43-9	40-45		15.5	6.3	0.6	78.1	163	17.65	70.3	13.15	3.22	13.2	1.75	9.69	1.93	5.28	0.74	4.24	0.68	49.6	433
				C43-10	45-50		17.6	4.9	0.4	79	167	18.6	75.5	14.4	3.37	15.2	2	11.15	2.26	6.13	0.85	4.89	0.77	55.8	457
				C43-11	50-55		17.3	7	0.7	81.4	169.5	18.55	74.7	14.1	3.4	14.3	1.89	10.4	2.09	5.68	0.77	4.56	0.73	52.5	455
				C43-12	55-60		17.8	6.1	0.6	75.7	157.5	17.35	70.3	13.45	3.25	13.9	1.83	10.2	2.03	5.62	0.78	4.49	0.72	51.4	429
				C43-13	60-65		16	4.8	0.5	67.4	142	15.5	62.8	11.9	2.95	12.1	1.61	8.92	1.79	4.88	0.67	4.01	0.64	46.6	384
				C43-14	65-70		14	4.6	0.5	49.8	111	12.4	52.8	10.05	2.69	10.4	1.37	7.71	1.52	4.15	0.58	3.39	0.55	38	306
				C43-15	70-75		15.5	5.5	0.6	57	124	13.65	56.1	10.75	2.83	10.95	1.43	8.01	1.57	4.31	0.6	3.44	0.54	39.2	334
				C43-16	75-80		12.5	4.5	0.7	56.1	118.5	13.05	53.6	10.25	2.55	10.15	1.37	7.6	1.51	4.14	0.58	3.34	0.54	38.6	322
				C43-17	80-85																				0
				C43-18	85-90		17	13.4	1	103	220	24	96.7	17.8	3.47	17.45	2.33	12.75	2.52	6.79	0.93	5.36	0.86	66	580
				C43-19	90-95		17.1	12.3	0.9	92.3	194.5	21.3	85.1	15.75	3.25	15.4	2.05	11.45	2.28	6.24	0.87	4.97	0.8	60	516
				C43-20	95-100		18.5	6	0.5	85.5	180	21	76.2	14.85	3.6	14.35	2	10.75	2.22	6	0.82	4.84	0.74	55.9	479
C44	242813	3781973	1449	C44-1	0-5		18.3	6.3	0.7	74.5	153.5	17.95	65.2	12.85	3.29	12.4	1.75	9.52	2	5.4	0.74	4.34	0.66	51.5	416
				C44-2	5-10		17.8	5.5	0.7	76.1	160.5	18.55	66.6	12.8	3.25	12.25	1.68	8.89	1.85	4.9	0.66	3.82	0.58	44.5	417
				C44-3	10-15		17.3	6	0.7	80.3	166.5	19.45	70.4	13.55	3.32	12.65	1.76	9.34	1.96	5.19	0.71	4.16	0.63	48.1	438
				C44-4	15-20		18.6	7.3	0.7	83.8	173	19.95	71.4	13.7	3.5	12.95	1.79	9.41	1.98	5.27	0.71	4.14	0.63	49.7	452
				C44-5	20-25		17.5	5.6	0.7	80.2	166.5	19.35	69.7	13.5	3.3	12.75	1.78	9.49	1.99	5.36	0.72	4.32	0.66	49.2	439
				C44-6	25-30		16.9	5.5	0.6	82.7	171	19.6	70.8	13.45	3.35	12.75	1.78	9.52	2.03	5.46	0.74	4.37	0.67	49.8	448
				C44-7	30-35		17.5	5.8	0.6	80.6	167.5	19.35	69.4	13.25	3.36	13.1	1.82	9.79	2.08	5.58	0.76	4.54	0.68	49.9	442
				C44-8	35-40		17.2	4.7	0.5	80.6	168	19.45	69.6	13.35	3.15	12.25	1.74	9.27	1.94	5.14	0.69	4.13	0.62	49.3	439
				C44-9	40-45		18.5	6.5	0.6	85.8	179	20.8	75.1	14.4	3.57	13.8	1.92	10.3	2.14	5.72	0.78	4.55	0.69	52.3	471
				C44-10	45-50		16.9	7.6	1.2	69.1	149	17.1	61.5	11.75	2.89	11.05	1.54	8.36	1.77	4.76	0.66	3.93	0.59	43.5	388
				C44-11	50-55		16.5	6.6	0.9	80.4	167	19.45	70.4	13.7	3.49	13.05	1.77	9.31	1.89	4.95	0.66	3.88	0.58	46.2	437
				C44-12	55-60		15.3	4.9	0.8	74.6	157.5	18.45	67.3	13.2	3.06	12.05	1.64	8.72	1.79	4.73	0.63	3.68	0.56	45.6	414
				C44-13	60-65		17.1	5.1	0.6	79.8	166	19.25	70.3	13.6	3.41	13.2	1.83	9.72	2.02	5.37	0.71	4.25	0.64	48.6	439
				C44-14	65-70		18	5.1	0.6	84.5	176.5	20.6	75	14.55	3.59	14.45	1.96	10.3	2.14	5.66	0.75	4.37	0.68	53.2	468
				C44-15	70-75		18.1	6.4	0.6	83.3	174	20.2	73.1	14.35	3.53	13.9	1.89	9.93	2.05	5.51	0.74	4.33	0.65	50.9	458
				C44-16	75-80		16.8	5.4	0.6	81.1	167.5	19.5	70.9	13.55	3.42	13.05	1.8	9.52	1.96	5.19	0.69	4.03	0.61	48.5	441
				C44-17	80-85		16.9	5.6	0.6	76.2	155.5	18.2	66.2	12.75	3.2	12.15	1.69	8.93	1.84	4.88	0.66	3.87	0.59	45.5	412
				C44-18	85-90		15.5	5.4	0.5	76.1	156.5	18.2	65.7	12.5	3.17	11.65	1.62	8.58	1.75	4.59	0.61	3.65	0.56	43.1	408
				C44-19	90-95		16.6	5.6	0.5	82.5	175.5	20.5	74.7	14.35	3.43	13.35	1.83	9.51	1.93	5.11	0.68	4	0.59	46.8	455
				C44-20	95-100		18.6	7.3	0.6	89.6	189	21.8	78.9	15.15	3.48	14.05	1.9	9.9	2.05	5.47	0.73	4.26	0.64	51.1	488
C45	242791	3781995	1454	C45-1	0-5		15.4	6.8	0.7	70.2	145.5	16.95	61.3	11.85	3.09	11.45	1.58	8.49	1.78	4.84	0.65	3.85	0.58	43.5	386
				C45-2	5-10		14.7	4.4	0.7	62.2	128.5	14.95	55.9	10.65	2.83	10.4	1.42	7.57	1.56	4.14	0.56	3.35	0.51	38.9	343
				C45-3	10-15		15.7	5.1	0.6	76	154.5	17.8	64.1	12.2	3.16	11.35	1.57	8.33	1.73	4.63	0.62	3.66	0.56	42.9	403

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C45-4	15-20		16.8	6	0.7	77.4	161.5	18.65	67.2	12.75	3.3	12.4	1.7	8.85	1.83	4.89	0.66	3.81	0.58	43.8	419
				C45-5	20-25		17.8	6.1	0.6	78.2	160	18.7	67.1	12.85	3.21	12.35	1.72	9.15	1.92	5.18	0.7	4.11	0.61	47.9	424
				C45-6	25-30		19.1	6.3	0.7	89.6	187	21.7	78.1	14.9	3.44	14.5	2.02	10.8	2.27	6.09	0.81	4.84	0.74	53.4	490
				C45-7	30-35		16.4	5.7	0.8	85.2	179	20.5	72.7	13.75	3.25	13	1.82	9.56	2.03	5.35	0.72	4.28	0.65	49.6	461
				C45-8	35-40		12.8	6.9	1.7	65.3	136	15.65	56.6	10.7	2.75	10.2	1.44	7.74	1.63	4.36	0.61	3.58	0.55	38.1	355
				C45-9	40-45		16.8	6	0.9	82.4	169.5	19.5	70	13.3	3.28	12.65	1.76	9.28	1.95	5.22	0.71	4.17	0.64	48.7	443
				C45-10	45-50		18	5.5	0.7	81.2	171	19.7	71.4	13.85	3.53	13.65	1.89	10.2	2.14	5.67	0.78	4.57	0.69	52	452
				C45-11	50-55		18.7	6.2	0.7	83.3	174.5	19.95	72.1	13.95	3.57	13.8	1.91	10.2	2.15	5.78	0.79	4.68	0.71	51.8	459
				C45-12	55-60		17.5	5.7	0.7	79.3	169.5	19.3	70.1	13.65	3.56	13.5	1.83	9.5	1.96	5.15	0.7	4.13	0.62	46.9	440
				C45-13	60-65		17	4.7	0.6	73.2	157.5	17.95	65.5	12.75	3.25	12.1	1.67	8.67	1.81	4.82	0.65	3.81	0.57	44.5	409
				C45-14	65-70		15	5.2	0.7	71.4	142.5	16.15	61.4	12.4	3.09	11.9	1.69	9.3	1.74	4.88	0.64	3.86	0.58	43.9	385
				C45-15	70-75		18.9	6.6	0.7	81.8	161	18.8	72.5	14.7	3.41	14.7	2.1	11.65	2.24	6.24	0.82	4.9	0.73	57	453
				C45-16	75-80		20.5	2.5	0.5	35.2	67.9	8.6	34.1	7.22	2.15	7.91	1.16	6.56	1.26	3.53	0.46	2.76	0.41	32.4	212
				C45-17	80-85		19.1	3.2	0.4	51.4	96.8	11.3	45.3	9.18	2.59	9.47	1.36	7.6	1.46	4.05	0.53	3.17	0.48	37.7	282
				C45-18	85-90		20.7	1.3	0.3	19	36.9	4.99	20	4.59	1.72	5.11	0.76	4.36	0.83	2.33	0.3	1.82	0.27	21.9	125
				C45-19	90-95		21.8	1.1	0.3	15	29.6	4.08	17.1	4.15	1.67	4.82	0.73	4.15	0.79	2.22	0.29	1.73	0.25	20.7	107
				C45-20	95-100		21.9	1	0.3	13.3	26.3	3.69	15.4	3.82	1.57	4.51	0.68	3.87	0.75	2.05	0.27	1.64	0.24	18.8	97
C46	242771	3782017	1441	C46-1	0-5		17.1	4.1	0.8	48.7	90.4	10.65	42.2	8.45	2.46	8.41	1.2	6.63	1.26	3.54	0.47	2.83	0.43	32.8	260
				C46-2	5-10		16.1	6.7	1	64.1	121.5	14.05	53.2	10.45	2.8	10.6	1.49	8.11	1.55	4.36	0.56	3.34	0.5	37.8	334
				C46-3	10-15		18.5	5	0.6	58.1	111	12.75	48.6	9.93	2.83	10.4	1.48	8.23	1.54	4.34	0.56	3.33	0.49	39.9	313
				C46-4	15-20		18.5	5.1	0.5	73	140	15.95	60.3	11.9	3.19	12.55	1.76	9.71	1.85	5.23	0.68	4.1	0.6	45.6	386
				C46-5	20-25		18.2	5	0.4	83.2	156	17.8	67	13.25	3.45	13.65	1.93	10.65	2.04	5.69	0.74	4.43	0.65	50.6	431
				C46-6	25-30		17.3	5.5	0.4	84.1	158.5	18.05	66.9	13.2	3.3	13.7	1.95	10.7	2.03	5.74	0.74	4.44	0.66	50.1	434
				C46-7	30-35		18.5	5.1	0.4	87.2	165.5	18.75	70.3	13.7	3.34	14.3	2	11	2.12	5.99	0.79	4.72	0.71	53.1	454
				C46-8	35-40		18.6	4.9	0.4	87.5	165.5	18.7	69.7	13.65	3.37	14.4	2.03	11.2	2.14	5.98	0.79	4.77	0.71	52.1	453
				C46-9	40-45		19.1	4.5	0.4	78.3	147.5	16.8	63.8	12.55	3.41	13.2	1.87	10.15	1.95	5.56	0.74	4.45	0.66	48.3	409
				C46-10	45-50		19	6.1	0.5	87.6	167	19	71.6	14.2	3.66	15.15	2.13	11.7	2.25	6.36	0.83	5.02	0.74	55.2	462
				C46-11	50-55		19.5	8.4	0.9	70.2	130	14.85	56	11.45	3.32	12.3	1.7	9.37	1.8	5.07	0.66	3.94	0.6	45.1	366
				C46-12	55-60		17.2	5.1	0.6	64	125	14.35	54.9	11.2	3.07	12.05	1.68	9.15	1.72	4.79	0.63	3.74	0.56	41.7	349
				C46-13	60-65		18.6	6.1	0.6	84.7	161.5	18.55	69.7	13.65	3.42	14.55	2.04	11.05	2.08	5.86	0.75	4.49	0.68	50.5	444
				C46-14	65-70		18	5.2	0.5	82.6	155.5	17.55	65.3	12.7	3.36	13.45	1.87	10.25	1.94	5.47	0.71	4.27	0.64	47.4	423
				C46-15	70-75		17.2	5.2	0.5	85.3	160.5	18.15	67.9	12.95	3.35	13.8	1.87	10.25	1.95	5.42	0.7	4.27	0.62	46.2	433
				C46-16	75-80		17.3	5.4	0.5	81.8	152	17.3	64.1	12.35	3.21	12.8	1.76	9.55	1.79	4.99	0.65	3.88	0.58	43.8	411
				C46-17	80-85		16.4	3.9	0.6	48.1	90	10.3	40.5	8	2.34	8.69	1.22	6.71	1.27	3.6	0.46	2.75	0.41	32.2	257
				C46-18	85-90		16.7	4.3	0.5	67.6	127	14.6	55.4	11.15	2.93	11.75	1.64	8.87	1.68	4.73	0.61	3.67	0.54	42	354
				C46-19	90-95		18.1	4.8	0.5	78.2	147	16.85	63.5	12.6	3.42	13.35	1.85	10.2	1.92	5.42	0.7	4.17	0.62	47.4	407
				C46-20	95-100		18.6	3.8	0.5	60.9	114.5	13.35	50.9	10.15	2.96	11.25	1.58	8.61	1.63	4.56	0.59	3.52	0.53	40.4	325
C47	242756	3782040	1448	C47-1	0-5		20	5.9	0.8	86.3	166	19.3	73.4	14.85	3.5	15.6	2.2	12.1	2.32	6.55	0.85	5.08	0.76	57.3	466
				C47-2	5-10		18.5	4.5	0.5	79.4	152	17.65	67	13.55	3.46	14.85	2.09	11.45	2.19	6.11	0.79	4.75	0.7	52.8	429
				C47-3	10-15		19.5	4.6	0.5	79.7	149	17.05	64.7	13.05	3.5	13.85	1.92	10.5	1.99	5.63	0.72	4.24	0.64	48.3	415
				C47-4	15-20		19	6.6	0.8	82.4	155.5	17.9	67.3	13.45	3.64	14.9	2.1	11.45	2.2	6.28	0.82	4.92	0.74	53.3	437
				C47-5	20-25		19.6	6.3	1	81	150.5	17.4	66.5	13.5	3.57	14.6	2.05	11.35	2.15	6.09	0.79	4.7	0.71	53.3	428
				C47-6	25-30		17.8	8.8	1.1	79.6	151.5	17.25	65.2	13.05	3.29	13.9	1.95	10.6	2.03	5.73	0.75	4.45	0.67	50.3	420
				C47-7	30-35		17	20.2	3.1	68	125.5	14.2	52.6	10.65	2.31	11.25	1.55	8.42	1.59	4.63	0.62	3.89	0.6	41.1	347
				C47-8	35-40		21.2	2.6	0.6	21.6	45	6.01	23.7	4.94	1.87	5.22	0.78	4.36	0.88	2.38	0.33	1.97	0.29	22.6	142
				C47-9	40-45		20.5	1.7	0.5	14.7	31.4	4.3	17.7	4.01	1.63	4.41	0.65	3.68	0.75	1.97	0.28	1.63	0.25	19.2	107
				C47-10	45-50		21.6	1.7	0.6	16	34	4.72	19.8	4.59	2	5.54	0.8	4.53	0.91	2.38	0.33	1.92	0.29	25.2	123
				C47-11	50-55		19.8	2.3	0.4	18.9	40.3	5.37	21.8	4.64	1.92	5.22	0.76	4.29	0.85	2.3	0.32	1.87	0.28	22.2	131

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C47-12	55-60		20	2.8	0.5	36.3	76.7	9.84	37.7	7.4	2.44	7.58	1.09	6.14	1.24	3.26	0.45	2.7	0.41	31.4	225
				C47-13	60-65		18.7	4.8	0.6	69.3	144.5	16.6	64.4	12.25	3.27	11.95	1.7	9.49	1.91	5.15	0.72	4.28	0.64	48.6	395
				C47-14	65-70		19.5	5.1	0.5	78.6	162	18.6	71.9	13.45	3.65	13.1	1.86	10.3	2.09	5.62	0.79	4.7	0.71	52.4	440
				C47-15	70-75		17.2	5.7	0.7	70.4	145.5	16.5	63	11.7	3.21	11.05	1.55	8.56	1.7	4.56	0.64	3.72	0.56	43.4	386
				C47-16	75-80		18	4.5	0.6	67.3	140	15.95	61.2	11.5	3.14	10.9	1.57	8.66	1.76	4.74	0.66	3.9	0.59	44.7	377
				C47-17	80-85		20.9	2	0.5	25.6	55.2	7.25	28.5	5.87	2.17	6.31	0.92	5.18	1.03	2.77	0.38	2.28	0.34	26.6	170
				C47-18	85-90		23.2	1.3	0.4	19.6	41.7	5.67	22.9	4.89	2	5.48	0.81	4.6	0.93	2.52	0.35	2.06	0.31	23.6	137
				C47-19	90-95		24.1	1.4	0.3	19.9	42.8	5.66	22.5	4.73	1.81	5.23	0.79	4.6	0.95	2.59	0.37	2.21	0.33	24.5	139
				C47-20	95-100		22.6	1.8	0.4	18.6	39.1	5.27	21.1	4.5	1.85	4.88	0.72	4.19	0.85	2.27	0.32	1.9	0.29	21.9	128
C48	242736	3782073	1431	C48-1	0-5		18.9	4.7	0.6	61.8	125	14.4	55.3	10.2	2.73	9.79	1.4	7.83	1.6	4.28	0.61	3.59	0.54	41.4	340
				C48-2	5-10		19.8	5.7	0.7	81.3	170	19.55	75.3	14.1	3.54	13.4	1.91	10.6	2.11	5.62	0.79	4.68	0.69	54	458
				C48-3	10-15		18.6	6	0.6	84	175	20	77	14.3	3.73	13.75	1.97	10.85	2.16	5.86	0.82	4.82	0.73	54.5	469
				C48-4	15-20		19.5	5.1	0.5	85.7	177.5	20.5	79.3	14.9	3.89	14.95	2.13	11.7	2.34	6.31	0.89	5.14	0.78	57.9	484
				C48-5	20-25		19	6.4	0.6	84.6	173.5	20.2	78.6	14.95	3.85	14.7	2.08	11.5	2.28	6.19	0.87	5.09	0.76	57	476
				C48-6	25-30		19	4.1	0.5	71.2	149	17.65	69.2	13.35	3.62	12.95	1.81	10.05	2	5.41	0.76	4.39	0.65	50.2	412
				C48-7	30-35		17.9	4.4	0.6	74.3	156	18	70	13.3	3.58	12.85	1.81	9.94	2.01	5.4	0.75	4.39	0.66	50.4	423
				C48-8	35-40		18.6	4.6	0.6	76.7	159.5	18	69	12.95	3.37	12.35	1.73	9.57	1.92	5.07	0.71	4.15	0.62	48.2	424
				C48-9	40-45		18.4	4.5	0.6	74.9	157.5	18	69.5	13.1	3.49	12.9	1.86	10.25	2.03	5.46	0.77	4.54	0.69	50.9	426
				C48-10	45-50		20.5	4.7	0.7	78.7	165.5	19.1	74.3	14.15	3.71	14.35	2.04	11.35	2.27	6.11	0.86	5.05	0.76	55.7	454
				C48-11	50-55		19.2	4.1	0.7	73.7	151.5	17.6	68.5	13	3.6	13.05	1.9	10.5	2.11	5.66	0.8	4.68	0.71	51.7	419
				C48-12	55-60		18.1	4.1	0.6	56.2	117	13.4	52.7	9.96	2.85	9.91	1.4	7.86	1.59	4.23	0.58	3.38	0.5	39.3	321
				C48-13	60-65		20.4	3.4	0.6	37	75.5	9.61	36.1	6.94	2.33	6.99	1.02	5.73	1.15	3.01	0.42	2.42	0.35	28.9	217
				C48-14	65-70		17.7	3	0.7	47.8	100	11.5	46	8.47	2.39	8.14	1.17	6.6	1.33	3.55	0.51	2.95	0.44	33.1	274
				C48-15	70-75		19.3	4.9	0.7	84.8	178	20.7	79.7	14.7	3.5	13.85	1.94	10.65	2.1	5.6	0.79	4.49	0.67	52.6	474
				C48-16	75-80		19.4	5.7	0.7	74.6	156.5	17.85	69.1	13	3.35	12.95	1.82	10	2	5.4	0.75	4.41	0.66	48.4	421
				C48-17	80-85		19.9	7.2	1	90.1	188	21.7	82.9	15.65	3.77	14.9	2.16	12.1	2.46	6.76	0.97	5.69	0.85	63.5	512
				C48-18	85-90		20.1	4.4	0.6	64.5	135	15.65	61	11.9	3.14	11.85	1.69	9.38	1.9	5.14	0.73	4.28	0.63	47.5	374
				C48-19	90-95		18.9	5.8	0.7	81.3	168.5	19.4	74.6	13.95	3.69	13.55	1.9	10.5	2.11	5.67	0.78	4.61	0.69	52.7	454
				C48-20	95-100		17.8	5.1	0.8	77.7	167.5	19.1	73.1	13.6	3.51	13.05	1.86	10.25	2.04	5.43	0.76	4.38	0.66	48.2	441
C49	242719	3782091	1437	C49-1	0-5		19.1	5.3	0.7	82.9	172	19.8	76.2	14.3	3.72	13.45	1.9	10.55	2.14	5.73	0.8	4.65	0.7	53.6	462
				C49-2	5-10		17.1	4.5	0.5	73.4	147	15.35	58.7	11.95	3.17	11.5	1.68	9.24	1.89	5.1	0.72	4.16	0.66	49.1	394
				C49-3	10-15		18.9	5.3	0.6	82.5	164.5	17.3	65.8	13.35	3.45	12.7	1.83	10.2	2.06	5.53	0.78	4.45	0.71	55.3	440
				C49-4	15-20		19.3	4.2	0.6	63.5	131	13.7	52.6	10.75	2.86	10.75	1.54	8.48	1.72	4.64	0.65	3.77	0.59	45.9	352
				C49-5	20-25		19.7	4.9	0.6	77.8	158	16.6	63.4	12.65	3.22	12.4	1.77	9.82	1.98	5.33	0.76	4.32	0.69	52.9	422
				C49-6	25-30		18.4	5.5	0.7	79.5	163	17.25	66.3	13.45	3.51	13.6	1.95	10.9	2.2	5.91	0.83	4.81	0.76	56.7	441
				C49-7	30-35		18.5	4.6	0.6	66.4	139.5	14.45	55.1	11.35	3.07	11.4	1.67	9.33	1.92	5.16	0.73	4.26	0.67	49.3	374
				C49-8	35-40		19.9	4.4	0.6	71	144	15	57.4	11.65	3.13	11.55	1.64	9.04	1.88	5.02	0.7	4.08	0.65	49.4	386
				C49-9	40-45		21.3	2.5	0.6	31	63.9	7.74	29.7	6.34	2.23	6.88	0.99	5.5	1.11	2.97	0.41	2.39	0.37	29.2	191
				C49-10	45-50		20.6	2.2	0.5	28.8	56.6	6.64	24.7	5.21	1.88	5.49	0.79	4.46	0.9	2.39	0.34	2	0.31	24	165
				C49-11	50-55		21.6	1.2	0.3	16.1	32.5	4.03	16.4	3.85	1.61	4.42	0.64	3.65	0.75	1.99	0.28	1.63	0.25	20.1	108
				C49-12	55-60		21.6	2.1	0.5	22.9	46.1	5.57	21.8	4.85	1.81	5.26	0.78	4.37	0.87	2.35	0.33	1.94	0.3	23.8	143
				C49-13	60-65		19.6	4.5	0.8	80	158	16.75	63.6	12.8	3.21	12.7	1.81	10.1	2.06	5.58	0.8	4.63	0.73	54.7	427
				C49-14	65-70		19.2	6.3	0.9	86.2	176	18.3	69.8	14.15	3.51	14.15	2.07	11.5	2.35	6.36	0.92	5.31	0.84	62	473
				C49-15	70-75		18.7	4.4	0.8	70.7	140.5	14.6	55.8	11.3	3.1	11.95	1.7	9.55	1.96	5.28	0.76	4.43	0.71	50.5	383
				C49-16	75-80		18	5.1	0.7	74	150.5	15.6	58.8	11.85	3.12	11.95	1.72	9.6	1.96	5.35	0.76	4.45	0.7	52.3	403
				C49-17	80-85		17.2	4.1	0.6	63.3	132	13.35	50.8	10.35	2.66	10.1	1.47	8.13	1.66	4.45	0.64	3.67	0.57	43.2	346
				C49-18	85-90		20.9	2.2	0.5	27.4	55.1	6.61	25.2	5.52	1.99	6.1	0.88	4.93	1.01	2.64	0.37	2.18	0.34	26.4	167
				C49-19	90-95		21.1	2.7	0.8	30.2	63.9	7.81	29.8	6.46	2.19	6.67	0.96	5.21	1.04	2.74	0.39	2.24	0.36	28.1	188

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C49-20	95-100		22	4.2	1	40.3	81.5	9.67	36.1	7.69	2.35	7.96	1.14	6.34	1.28	3.45	0.49	2.84	0.44	34	236
C50	242700	3782114	1435	C50-1	0-5		20.3	3	0.6	45.8	96.7	10.9	45.5	9.55	3.18	9.97	1.35	7.14	1.39	3.57	0.49	2.76	0.43	36.8	276
				C50-2	5-10		20	3.2	0.6	45.5	96.6	11	46.2	9.71	3.36	10.35	1.39	7.32	1.4	3.6	0.49	2.78	0.42	35.2	275
				C50-3	10-15		16	6.9	0.8	69.7	141.5	14.5	54.9	10.6	2.97	9.86	1.34	7.2	1.45	3.79	0.53	3.01	0.47	37.7	360
				C50-4	15-20		19.1	4.6	0.6	76.1	154.5	16.3	62.2	12.5	3.46	12.6	1.77	9.58	1.91	5.12	0.73	4.15	0.64	49.5	411
				C50-5	20-25		19.7	5.5	0.9	73.6	147.5	15.35	58.4	11.55	3.11	11.5	1.63	9.03	1.83	4.92	0.69	3.99	0.62	47.6	391
				C50-6	25-30		23.1	2.2	0.6	25.6	52.1	6.31	24.4	5.39	2.01	5.98	0.88	4.93	1	2.71	0.39	2.23	0.35	26.7	161
				C50-7	30-35		19.1	3.8	0.6	61.7	128.5	13.7	52.7	10.95	2.91	11.05	1.62	9.01	1.85	5.03	0.72	4.24	0.66	49	354
				C50-8	35-40		22.4	2.1	0.5	35.2	71.1	8.43	31.6	6.8	2.24	7.31	1.07	6.07	1.23	3.35	0.48	2.77	0.43	33	211
				C50-9	40-45		19.3	4.4	0.7	76.3	151	16.05	61	12.45	3.21	12.45	1.77	9.81	2	5.42	0.78	4.5	0.71	54.6	412
				C50-10	45-50		16.3	4.2	0.6	66.3	132.5	13.8	53.4	10.55	2.88	10.35	1.46	8.07	1.65	4.43	0.63	3.67	0.58	43.2	353
				C50-11	50-55		18.1	4.4	0.5	73.8	152.5	15.9	60.7	12.1	3.24	11.95	1.72	9.46	1.9	5.13	0.73	4.24	0.67	49.3	403
				C50-12	55-60		19	4.9	0.5	84.4	170	17.7	67	13.4	3.45	13.3	1.88	10.45	2.12	5.75	0.8	4.65	0.74	55.1	451
				C50-13	60-65		16.7	5.9	0.6	85.6	169.5	17.7	67	13	3.42	12.55	1.75	9.49	1.91	5.05	0.72	4.14	0.65	49.4	442
				C50-14	65-70		18.1	5.9	0.8	77.4	159.5	16.55	62.7	12.55	3.27	12.45	1.78	9.78	1.97	5.32	0.76	4.38	0.68	50.9	420
				C50-15	70-75		18.5	4.7	0.7	69.6	139	14.5	55.1	11.05	2.9	10.95	1.54	8.6	1.74	4.75	0.68	3.98	0.62	46.1	371
				C50-16	75-80		16.9	5.3	0.6	67.5	148	16.85	58	12.65	2.75	10.1	1.46	8.43	1.65	4.56	0.65	4.01	0.6	44.9	382
				C50-17	80-85		17.8	3.5	0.6	60.8	133	15.3	53.6	12	2.55	9.57	1.41	8.26	1.61	4.41	0.63	3.86	0.57	45.1	353
				C50-18	85-90		21.6	2.8	0.7	50.6	109.5	12.7	44.9	9.99	2.33	7.97	1.14	6.56	1.27	3.46	0.5	3	0.45	35.8	290
				C50-19	90-95		19.6	3.4	0.5	55.8	121.5	14	48.8	10.95	2.34	8.53	1.24	7.21	1.42	3.89	0.55	3.43	0.52	40	320
				C50-20	95-100		18.6	3.7	0.8	39.3	87.3	10	35.3	7.71	2.04	5.57	0.79	4.39	0.84	2.24	0.31	1.88	0.28	23.5	221
C51	242680	3782140	1430	C51-1	0-5																				0
				C51-2	5-10		23.9	1.8	0.4	17.7	35.7	4.94	21	4.63	1.41	4.68	0.7	3.71	0.73	2.02	0.26	1.69	0.24	22	121
				C51-3	10-15		26	1.1	0.3	13.1	28.5	4.17	18.5	4.04	1.86	4.82	0.68	3.95	0.78	2.15	0.28	1.71	0.26	19.4	104
				C51-4	15-20		23	0.6	0.2	8.5	19.5	2.8	13	3	1.6	3.76	0.54	3.17	0.62	1.69	0.22	1.38	0.2	15	75
				C51-5	20-25		23.5	0.8	0.3	11.6	27.4	3.92	17.3	3.85	1.76	4.62	0.67	3.93	0.77	2.17	0.29	1.82	0.28	19.1	99
				C51-6	25-30		21.9	4	0.4	60.5	126.5	16.1	63.5	11.55	3.38	12.35	1.71	9.79	1.92	5.47	0.73	4.48	0.68	48.2	367
				C51-7	30-35		20.6	3.6	0.4	70.2	145	18.2	71.1	12.85	3.59	12.9	1.8	10.35	2.04	5.7	0.76	4.69	0.71	52.3	412
				C51-8	35-40		19.1	3.9	0.4	66.2	137	17.35	67.6	12.05	3.41	12.35	1.73	9.95	1.96	5.49	0.73	4.45	0.69	49.1	390
				C51-9	40-45		19.2	3.9	0.3	60	125	15.45	60.3	10.4	2.77	10.4	1.41	8	1.55	4.3	0.57	3.46	0.52	39.8	344
				C51-10	45-50		17.9	4	0.4	63.4	133.5	16.7	64.3	11.45	3.16	11.25	1.58	8.86	1.72	4.8	0.63	3.84	0.59	43.5	369
				C51-11	50-55		17.6	3.8	0.5	57.4	118	13.85	51.2	10.15	2.32	8.52	1.28	6.98	1.43	3.92	0.53	2.96	0.46	37.2	316
				C51-12	55-60		20.8	3.3	0.6	53.7	111.5	13.65	51.4	10.55	2.65	9.09	1.35	7.29	1.48	4.01	0.55	3.14	0.49	38.6	309
				C51-13	60-65		20.5	3.1	0.7	55.7	119	14.75	55.4	11.3	2.82	9.83	1.47	8.01	1.63	4.46	0.61	3.44	0.54	42.5	331
				C51-14	65-70		21.6	4.1	0.6	68.6	140.5	16.85	62.9	12.7	3.15	10.85	1.59	8.56	1.73	4.75	0.66	3.71	0.58	46.5	384
				C51-15	70-75		20.4	4.1	0.7	70.9	148.5	17.05	62.7	12.5	3.03	10.85	1.57	8.69	1.76	4.85	0.68	3.83	0.61	46	394
				C51-16	75-80		20.3	3.4	0.7	60.5	126.5	15	56.5	11.45	3.04	9.86	1.43	7.69	1.54	4.16	0.56	3.16	0.5	40.3	342
				C51-17	80-85		18.3	4.4	0.5	63.6	128.5	15.1	55.2	10.8	2.8	9.2	1.36	7.44	1.51	4.13	0.57	3.21	0.52	39.5	343
				C51-18	85-90		19.8	4.7	0.5	70.4	141.5	16.65	60.8	12	3.01	10.3	1.52	8.4	1.7	4.63	0.64	3.65	0.58	44.2	380
				C51-19	90-95		21.2	3.6	0.6	61.3	126.5	15.3	56.8	11.55	3.07	10	1.45	7.83	1.59	4.3	0.58	3.28	0.53	42.2	346
				C51-20	95-100		20.9	4.5	0.7	56.5	116	14.05	53	10.45	2.91	8.82	1.28	6.82	1.36	3.7	0.5	2.79	0.44	36.2	315
C52	242661	3782165	1421	C52-1	0-5		21	4.9	0.6	71.5	147	17.25	63.5	12.75	3.07	11	1.64	8.99	1.83	4.98	0.68	3.8	0.6	47.8	396
				C52-2	5-10		22.3	4.1	0.6	64.8	139	16.55	61.3	12.45	3.15	11.05	1.68	9.42	1.96	5.42	0.75	4.23	0.66	51.2	384
				C52-3	10-15		20.3	4.8	0.6	70.7	144.5	16.8	61.8	12.45	3.05	10.85	1.63	9.05	1.84	5.07	0.7	4.01	0.64	48.4	391
				C52-4	15-20		17.5	5.7	0.7	66.7	134.5	15.7	57.1	11	2.64	9.22	1.36	7.35	1.49	4.12	0.56	3.18	0.5	38.8	354
				C52-5	20-25		20.7	4.5	0.5	67.6	137.5	16.2	59.9	11.85	2.82	10.3	1.53	8.45	1.73	4.76	0.65	3.76	0.61	45.8	373
				C52-6	25-30		19.3	3.8	0.4	67.9	140	16.3	60.1	12.1	2.88	10.6	1.6	8.88	1.84	5.07	0.7	4.05	0.65	48.2	381
				C52-7	30-35		22	3.5	0.4	60.5	124.5	14.75	55.1	11.2	2.75	9.78	1.46	8.04	1.64	4.49	0.62	3.54	0.56	42.9	342

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C52-8	35-40		19.2	4.4	0.4	74.5	153.5	17.65	64.6	12.8	2.9	10.9	1.64	8.98	1.83	5.04	0.69	3.88	0.61	46.9	406
				C52-9	40-45		18.2	4.2	0.5	63.1	147.5	16.9	67.6	13.5	3.05	12.2	1.75	10.1	1.98	5.25	0.73	4.43	0.65	51.1	400
				C52-10	45-50		16	6.5	0.7	68.2	158.5	17.65	69.3	13.35	2.94	11.45	1.62	9.15	1.78	4.64	0.63	3.88	0.58	45.7	409
				C52-11	50-55		18.8	2.7	0.4	55.6	132	16.1	63.5	13.3	3.08	11.65	1.68	9.51	1.87	4.95	0.7	4.16	0.62	49.4	368
				C52-12	55-60		20	4	0.5	59.7	142.5	16.35	64.6	13.15	2.98	11.8	1.69	9.79	1.93	5.11	0.72	4.35	0.67	50.2	386
				C52-13	60-65																				0
				C52-14	65-70		20.9	4	1.3	51.2	130.5	15.1	62.4	13.3	3.16	12.55	1.77	10.25	2.05	5.45	0.76	4.57	0.68	52.8	367
				C52-15	70-75		19.8	4.8	1.1	53.2	129.5	15	58.9	12.25	2.9	11.6	1.66	9.47	1.88	5.01	0.71	4.31	0.65	48.7	356
				C52-16	75-80		17	4.1	0.8	54.1	108.5	13.05	51.7	9.8	2.66	9.01	1.2	7.35	1.38	3.95	0.52	3.17	0.48	38.8	306
				C52-17	80-85		14.5	3.7	0.5	56.3	128.5	15.45	58.5	11.75	2.83	9.87	1.43	8.29	1.65	4.39	0.62	3.75	0.58	44.3	348
				C52-18	85-90		17.7	5.1	0.6	71.3	169	19.25	74.2	14.95	3.16	13.5	1.96	11.15	2.18	5.92	0.81	4.89	0.74	57	450
				C52-19	90-95		19.3	4.7	0.6	80.8	189.5	21.4	83	16.55	3.37	14.05	2.04	11.7	2.31	6.15	0.85	5.3	0.79	62.8	501
				C52-20	95-100		18.2	5.3	0.6	76.5	178.5	20.6	78.9	15.65	3.47	14.7	2.07	11.85	2.33	6.18	0.85	5.19	0.77	60.1	478
C53	242643	3782191	1411	C53-1	0-5		17.8	4.5	0.8	61.8	143	16.6	64.7	13.1	2.9	12.05	1.65	9.26	1.82	4.78	0.65	3.97	0.59	47.3	384
				C53-2	5-10		18.2	3.4	0.5	59.7	138	15.95	62.7	12.45	2.93	11.15	1.57	8.81	1.76	4.63	0.64	3.89	0.59	46.8	372
				C53-3	10-15		16.7	4.4	0.6	54.9	126	15.15	57.4	11.35	2.46	9.45	1.34	7.63	1.49	3.97	0.54	3.32	0.5	41.2	337
				C53-4	15-20		15.5	3.8	0.5	50.7	116	13.25	49.1	9.56	2.25	7.81	1.1	6.36	1.23	3.23	0.45	2.69	0.4	34.3	298
				C53-5	20-25		16.7	4.3	0.4	61.3	153	17.4	69.6	13.85	3.41	11.95	1.65	9.31	1.81	4.72	0.65	3.98	0.6	46.5	400
				C53-6	25-30		16.7	4.9	0.5	59.1	148.5	16.65	66.7	13.2	3.25	11.05	1.57	8.74	1.71	4.35	0.61	3.73	0.57	43.8	384
				C53-7	30-35		15.2	4.3	0.6	61	146.5	16.65	66.1	12.8	2.96	10.1	1.39	7.79	1.51	3.84	0.53	3.18	0.47	40.6	375
				C53-8	35-40		13.4	5.1	0.7	57.5	138	15.9	63	12.25	2.84	9.77	1.33	7.49	1.43	3.75	0.5	3.04	0.45	38.4	356
				C53-9	40-45		14.9	5.2	0.8	74.6	173.5	20	79.3	14.95	3.46	11.65	1.57	8.57	1.63	4.11	0.56	3.3	0.5	43.7	441
				C53-10	45-50		15.7	5	0.7	75.8	182.5	20.7	82.6	16	3.46	11.9	1.6	8.84	1.69	4.29	0.57	3.37	0.5	47.5	461
				C53-11	50-55		18	3.2	0.5	50	128.5	14.9	59	11.85	2.76	9.84	1.39	7.73	1.47	3.8	0.51	3.05	0.45	39.4	335
				C53-12	55-60		15.7	4.2	0.6	64.4	156.5	18.25	73.9	14.45	3.39	11.55	1.6	8.72	1.68	4.27	0.57	3.39	0.51	44.6	408
				C53-13	60-65		19.4	3.3	0.6	43	107	12.95	50.3	10.75	2.6	9.56	1.39	8.1	1.6	4.27	0.6	3.68	0.56	43.7	300
				C53-14	65-70		16.3	4.6	0.8	64.6	158.5	18.2	72.5	14.05	2.86	10.65	1.48	8.19	1.58	4.16	0.57	3.45	0.52	45.6	407
				C53-15	70-75		16.2	3.4	0.7	56.1	142.5	16.65	67.9	13.65	3.13	10.95	1.54	8.53	1.63	4.2	0.57	3.45	0.52	44.2	376
				C53-16	75-80		13.1	3.7	0.8	47.1	115	14.1	54.5	10.6	2.45	8.25	1.18	6.55	1.27	3.32	0.46	2.83	0.43	35.9	304
				C53-17	80-85		17.6	3.8	0.6	69.5	172	19.95	78.4	15.7	3.39	12.95	1.81	9.85	1.89	4.9	0.66	4	0.61	51.3	447
				C53-18	85-90		17.8	4	0.5	78.8	189.5	22	85.6	16.65	3.59	13.1	1.79	9.76	1.88	4.82	0.66	3.99	0.61	51.9	485
				C53-19	90-95		18.7	3.6	0.4	80.8	198	22.7	88.3	17.4	3.84	14.15	1.92	10.55	2.01	5.22	0.7	4.23	0.64	54.2	505
				C53-20	95-100		18	4.5	0.5	72.4	175	20.2	80.4	15.7	3.43	12.15	1.68	9.21	1.76	4.52	0.6	3.63	0.55	50.3	452
C54	242622	3782214	1398	C54-1	0-5		18.5	5.6	1.2	77.1	185	21.6	86.1	16.95	3.19	13.15	1.8	9.97	1.9	4.89	0.66	3.99	0.6	55.3	482
				C54-2	5-10		18.9	4.3	0.8	81.6	200	23.3	89.9	18.25	3.52	14.5	2	10.9	2.07	5.36	0.71	4.27	0.65	59.3	516
				C54-3	10-15		18	4.6	0.6	81.4	196	22.8	88.7	17.7	3.31	13.5	1.82	10.15	1.94	4.98	0.67	3.97	0.59	56.5	504
				C54-4	15-20		18.4	5	0.7	108	235	26.7	102.5	18.85	4.01	14.9	2	11.1	2.11	5.67	0.72	4.05	0.58	52	588
				C54-5	20-25		16.7	4.2	0.7	86.2	195.5	21.9	83.9	15.85	3.92	12.7	1.71	9.52	1.85	4.94	0.63	3.55	0.51	44.3	487
				C54-6	25-30		16.8	4.1	0.6	88.7	203	23.1	89.6	16.65	3.86	13.5	1.82	10.15	1.98	5.37	0.68	3.87	0.56	47.8	511
				C54-7	30-35		17	3.6	0.5	87.1	195.5	22.1	85.2	16.05	4.2	13.5	1.81	10.05	1.96	5.29	0.66	3.79	0.55	45.9	494
				C54-8	35-40		19.2	3.6	0.5	91.9	211	23.9	93	17.45	4.18	14.1	1.91	10.65	2.06	5.54	0.71	4.05	0.58	49.5	531
				C54-9	40-45		16.5	3.9	0.5	88.7	200	22.5	86.7	16.2	3.92	13.25	1.8	10.05	1.94	5.24	0.67	3.84	0.56	46.5	502
				C54-10	45-50		11.3	2.9	0.4	44.8	99.8	11.7	46.9	8.76	2.38	6.98	0.9	4.94	0.91	2.37	0.3	1.73	0.26	22.1	255
				C54-11	50-55		14.7	1.3	0.3	29.6	72.3	9.04	38.6	8.14	2.72	6.89	0.9	4.85	0.89	2.27	0.29	1.62	0.24	20.6	199
				C54-12	55-60		14.8	2.3	0.4	49	115.5	13.45	56.3	10.85	3.29	9.36	1.23	6.68	1.27	3.39	0.42	2.43	0.35	30	304
				C54-13	60-65		15.4	3.5	0.5	76.2	171	19.7	79.6	14.95	3.09	11.6	1.54	8.67	1.67	4.45	0.57	3.48	0.57	40.5	438
				C54-14	65-70		15.9	3.7	0.5	77.3	176	20.2	79.8	15.25	3.97	12.95	1.71	9.47	1.83	4.89	0.62	3.6	0.56	42.6	451
				C54-15	70-75		16.4	3.1	0.5	81.8	181	20.2	80.6	14.9	4.21	12.65	1.66	9.16	1.76	4.71	0.6	3.44	0.51	41.4	459

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C54-16	75-80		16.8	3.8	0.5	87.3	193.5	21.8	83.6	15.75	4.34	13.3	1.76	9.66	1.87	5	0.64	3.67	0.53	44.6	487
				C54-17	80-85		15	4.4	0.8	67.6	147.5	16.75	66.6	11.85	3.08	9.76	1.28	7.06	1.37	3.69	0.47	2.72	0.39	33.1	373
				C54-18	85-90		17.5	4.2	0.5	92.9	210	24.2	94.6	17.7	4.23	15	1.98	10.95	2.1	5.74	0.71	4.01	0.58	49.9	535
				C54-19	90-95		19.8	4.7	0.6	97.6	224	26.1	102	19.2	4.34	16.25	2.12	11.65	2.25	6.04	0.76	4.28	0.62	54	571
				C54-20	95-100		19.8	4.3	0.5	99.5	224	25.7	100.5	18.9	4.29	15.85	2.08	11.5	2.22	6.01	0.74	4.31	0.62	53	569
C55	242608	3782236	1410	C55-1	0-5		11.1	2.3	0.4	38	83.4	9.8	39.4	7.76	2.57	6.6	0.84	4.39	0.79	2.03	0.25	1.41	0.2	18.8	216
				C55-2	5-10		16	3	0.5	55.6	124	14.5	58.2	11	3.15	9.34	1.23	6.79	1.3	3.52	0.45	2.54	0.36	31.3	323
				C55-3	10-15		12.2	2.7	0.4	63.2	139	15.65	63.2	11.55	3.13	9.88	1.32	7.23	1.38	3.69	0.46	2.66	0.39	33	356
				C55-4	15-20		13.1	2.8	0.5	68.7	146	16.35	64	11.35	3.39	9.53	1.24	6.83	1.32	3.55	0.45	2.65	0.39	32.6	368
				C55-5	20-25		6.5	1.9	0.4	37.6	79	8.47	31.9	5.51	1.67	4.62	0.59	3.17	0.6	1.6	0.21	1.2	0.18	14.4	191
				C55-6	25-30		2.8	1.2	0.2	16.2	33.2	3.45	12.1	2.05	0.67	1.69	0.21	1.09	0.2	0.53	0.07	0.43	0.07	5	77
				C55-7	30-35		10.1	1.5	0.5	27.4	59.9	6.81	26.6	5.02	1.7	4.55	0.6	3.24	0.62	1.7	0.22	1.3	0.2	15.5	155
				C55-8	35-40		15.7	2.6	0.3	52.3	123	13.9	57.7	10.55	3	8.99	1.13	6	1.14	2.92	0.36	1.95	0.28	25.8	309
				C55-9	40-45		15.9	3.7	0.5	67.7	150	17.35	71.2	13.05	3.26	11.35	1.45	7.92	1.49	3.99	0.49	2.74	0.39	35.6	388
				C55-10	45-50		16.1	4.8	0.7	81.9	183.5	20.8	80.1	14.9	3.69	12.55	1.63	8.89	1.7	4.6	0.57	3.26	0.47	41.3	460
				C55-11	50-55		14.2	4.4	0.8	61.5	137	15.65	63	11.3	3.04	9.86	1.28	7.06	1.38	3.73	0.48	2.69	0.39	32.5	351
				C55-12	55-60		13.4	3.5	0.6	58.6	128.5	14.6	58.5	10.55	2.91	9.08	1.17	6.48	1.23	3.29	0.42	2.36	0.35	29.7	328
				C55-13	60-65		17	4.5	0.6	86.4	194	22	84.8	15.7	3.79	13.2	1.74	9.29	1.8	4.85	0.6	3.45	0.51	43.6	486
				C55-14	65-70		16.9	4.7	0.5	92.7	206	23.3	90	16.75	4.15	14.25	1.85	10.15	1.95	5.19	0.66	3.73	0.54	46.1	517
				C55-15	70-75		14.7	3.5	0.5	71.9	162.5	18.4	74	13.55	3.77	11.55	1.52	8.37	1.62	4.39	0.56	3.19	0.46	39.1	415
				C55-16	75-80		10.8	2.9	0.6	47.6	109.5	12.75	50.9	9.26	2.91	8.37	1.11	6.25	1.21	3.35	0.43	2.55	0.37	28.1	285
				C55-17	80-85		15	3.5	0.5	74.4	162.5	18.3	70.7	13.15	3.6	11.55	1.49	8.19	1.58	4.28	0.55	3.18	0.47	37.9	412
				C55-18	85-90		18.7	4.1	0.6	94.5	210	26	98.8	18.95	3.97	15.8	2.18	11.75	2.25	5.88	0.76	4.31	0.62	56	552
				C55-19	90-95		16.8	4.1	0.5	88.9	200	24.6	91.9	17.25	3.8	14.9	2.07	11.2	2.15	5.62	0.73	4.06	0.59	51	519
				C55-20	95-100		17.7	4.1	0.5	101.5	230	27.6	104.5	19.6	4.13	16.15	2.21	11.95	2.32	5.98	0.76	4.17	0.61	57.1	589
C56	242585	3782264	1391	C56-1	0-5		17.2	2.9	0.6	27.8	61.3	8.58	34	7.14	2.2	6.56	0.93	5.07	0.98	2.62	0.34	2	0.29	24.7	185
				C56-2	5-10		15.5	2.7	0.4	44.5	98.8	13	49.9	9.56	2.46	8.09	1.14	6.15	1.18	3.09	0.4	2.27	0.33	29.1	270
				C56-3	10-15		7.8	2	0.4	24.9	54.9	6.99	26.1	4.94	1.19	3.85	0.55	3.05	0.58	1.49	0.2	1.17	0.18	15.3	145
				C56-4	15-20		4	1.6	0.4	18.4	36.1	4.35	15.1	2.75	0.72	1.9	0.27	1.44	0.26	0.68	0.09	0.54	0.09	7.9	91
				C56-5	20-25		14.4	2.6	0.5	47.8	111	14.55	56.7	11.1	2.67	9.59	1.35	7.42	1.42	3.75	0.49	2.75	0.4	34.7	306
				C56-6	25-30		14.6	4.6	0.6	71.5	163.5	20	78	14.65	3.1	11.55	1.63	8.89	1.69	4.46	0.58	3.25	0.47	43.8	427
				C56-7	30-35		10.8	6.3	0.7	62.1	137.5	16.6	63.3	11.5	2.3	8.7	1.25	6.93	1.34	3.56	0.48	2.78	0.4	35.6	354
				C56-8	35-40		16.7	5.2	0.8	84.3	203	24.9	96.5	17.55	3.59	15.65	2	10.4	2.08	5.59	0.7	4.25	0.64	53.4	525
				C56-9	40-45		17	4.5	0.5	90.4	204	24.6	94.2	17.75	3.8	14.1	1.98	10.75	2.06	5.43	0.71	4.04	0.59	53.6	528
				C56-10	45-50		19.9	3.9	0.4	96.5	216	26.9	102.5	19.8	4.15	15.6	2.23	12.1	2.36	6.24	0.81	4.6	0.66	61	571
				C56-11	50-55		14.8	3.5	0.4	80.6	183.5	22.4	88.3	16.35	3.63	12.9	1.82	10	1.95	5.13	0.66	3.73	0.54	50.2	482
				C56-12	55-60		6.9	7.7	0.7	38.6	80.4	9.72	34.9	6.27	1.37	4.5	0.67	3.62	0.69	1.73	0.22	1.24	0.18	18.2	202
				C56-13	60-65		8	6.7	0.6	39.5	86.2	10.65	39.7	7.32	1.5	5.53	0.78	4.41	0.81	2.11	0.27	1.52	0.22	21.2	222
				C56-14	65-70		15.9	5	0.6	85	193	23.8	92.8	17.55	3.43	13.85	1.96	10.8	2.06	5.36	0.7	3.86	0.56	54	509
				C56-15	70-75		14.8	4.1	0.5	76.3	171.5	21.4	83.9	15.7	3.33	12	1.71	9.4	1.81	4.64	0.61	3.44	0.49	48	454
				C56-16	75-80		15.2	3.5	0.4	79.1	176.5	21.6	85.9	16.05	3.61	12.45	1.76	9.74	1.88	4.89	0.64	3.62	0.53	49.2	467
				C56-17	80-85		16.7	3.1	0.4	83.9	192	23.6	90.1	17.5	4.02	14.25	1.99	11	2.11	5.56	0.72	4.02	0.58	54.8	506
				C56-18	85-90		14.7	2.9	0.4	76.4	170.5	20.8	81.8	15.35	3.84	11.85	1.71	9.44	1.81	4.73	0.61	3.52	0.51	47.9	451
				C56-19	90-95		16	2.7	0.4	75.1	167.5	20.9	82.6	15.6	3.95	12.95	1.8	9.97	1.9	4.96	0.65	3.68	0.54	49	451
				C56-20	95-100		15.6	2.4	0.3	59.2	139	17.15	69.5	13.7	3.51	11.35	1.6	8.9	1.71	4.49	0.58	3.26	0.47	43.3	378
C57	242566	3782286	1376	C57-1	0-5		14.1	6.3	1	66.9	143.5	17.55	68.4	12.65	2.79	9.74	1.38	7.74	1.49	3.87	0.52	2.92	0.43	39.6	379
				C57-2	5-10		15.9	5.5	0.9	70.6	153.5	18.95	74.6	14.2	3.11	11.4	1.65	9.18	1.77	4.62	0.61	3.53	0.5	47.2	415
				C57-3	10-15		17.1	4.4	0.5	84.2	190.5	23.8	91.6	17.6	3.58	13.6	1.94	10.65	2.1	5.4	0.69	3.94	0.57	54.4	505

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C57-4	15-20		15.7	4.4	0.6	87.2	190	23.9	91.5	17.1	3.62	13.75	1.88	10.1	1.9	4.76	0.62	3.56	0.53	48.1	499
				C57-5	20-25		16.9	4.1	0.6	91.5	205	25.4	97.1	18.3	3.96	14.85	2.06	11.05	2.09	5.45	0.71	4.06	0.59	53.6	536
				C57-6	25-30		14.8	3.3	0.6	68.6	153.5	18.8	74.2	13.55	3.04	10.2	1.44	7.93	1.52	3.95	0.52	2.93	0.43	41.4	402
				C57-7	30-35		16.6	4	0.4	84.9	188.5	23.1	91.9	16.85	3.59	12.85	1.83	10.15	1.92	5.09	0.67	3.71	0.56	53.4	499
				C57-8	35-40		16.6	4	0.4	87.5	197.5	24.6	94	18	3.63	14	1.99	10.9	2.11	5.51	0.71	3.97	0.57	56.5	521
				C57-9	40-45		17.2	7.4	0.6	89.6	202	25.2	97.4	18.95	3.65	14.45	2.06	11.5	2.21	5.79	0.75	4.23	0.61	59	537
				C57-10	45-50		17.8	3.6	0.4	92.8	213	26.4	101.5	19.6	4.14	15.55	2.2	12.05	2.32	6.05	0.78	4.44	0.64	61.1	563
				C57-11	50-55		18.1	3	0.5	81.3	184	23	90.5	17.15	4.17	13.7	1.96	10.7	2.04	5.4	0.69	3.93	0.58	52.8	492
				C57-12	55-60		17.7	3	0.6	73.9	166	20.5	80.8	15.4	3.73	12.25	1.76	9.94	1.92	5.1	0.67	3.82	0.55	51.1	447
				C57-13	60-65		15.3	2.7	0.5	65.7	147	17.4	69.3	13.35	3.58	11.9	1.58	9.19	1.78	4.6	0.65	3.84	0.58	43.4	394
				C57-14	65-70		17.1	2.8	0.5	73.1	163	19.3	76	14.5	3.85	13.05	1.7	9.7	1.86	4.88	0.68	3.93	0.59	46.6	433
				C57-15	70-75		10.8	2.2	0.3	53.9	116.5	14.05	52.9	9.78	2.49	8.12	1.08	6.07	1.15	2.91	0.41	2.33	0.37	29.1	301
				C57-16	75-80		9.5	2	0.3	42.5	90.3	10.65	39.5	7.21	1.89	5.74	0.76	4.23	0.8	2.04	0.28	1.65	0.27	20.8	229
				C57-17	80-85		12.2	3.7	0.4	62.8	136	16.15	60.2	11.35	2.91	9.13	1.21	6.8	1.29	3.36	0.46	2.64	0.42	33.3	348
				C57-18	85-90		17.8	3.3	0.5	70.3	168.5	20.6	79	14.3	3.37	13.2	1.74	9.04	1.79	4.78	0.59	3.63	0.53	45.9	437
				C57-19	90-95		14.6	2.7	0.4	49.7	123	15.1	58.4	10.75	2.56	10.05	1.32	6.89	1.37	3.69	0.46	2.78	0.41	33.8	320
				C57-20	95-100		20.2	3.1	0.7	65.6	152.5	19.15	74.2	13.75	3.7	13	1.68	8.57	1.69	4.42	0.56	3.33	0.5	43.1	406
C58	242551	3782310	1374	C58-1	0-5		14.4	7.9	1.5	51.2	119	14.1	52.1	9.98	2.32	9.93	1.33	7.18	1.47	4.03	0.52	3.3	0.5	37.7	315
				C58-2	5-10		12.1	5.1	0.9	61.6	133	15.85	60	11.25	2.78	9.22	1.21	7.13	1.36	3.61	0.5	3.07	0.46	35.8	347
				C58-3	10-15		16.1	4.3	0.6	75.4	171.5	20.1	80.4	15.7	3.83	13.9	1.83	10.35	2	5.25	0.72	4.16	0.63	50.9	457
				C58-4	15-20		15.8	2.9	0.6	76.2	171.5	20	78	15.2	3.79	12.95	1.71	9.68	1.83	4.78	0.65	3.88	0.59	47.9	449
				C58-5	20-25		17.2	3.4	1	74.3	165.5	19.35	76.3	14.55	3.78	12.95	1.71	9.71	1.84	4.86	0.68	3.92	0.6	48.1	438
				C58-6	25-30		11.6	2.2	0.6	45.3	96	11.25	41.9	7.77	1.99	6.61	0.88	5.08	0.96	2.52	0.35	2.15	0.36	25.4	249
				C58-7	30-35		14.3	2.9	0.6	67	151.5	17.6	69.3	13.35	3.4	11.65	1.54	8.8	1.66	4.36	0.59	3.43	0.53	43.5	398
				C58-8	35-40		17.7	2.4	0.5	41.2	94.5	11.75	45.8	9.4	2.67	8.84	1.21	7.22	1.39	3.69	0.51	3	0.45	34.6	266
				C58-9	40-45		17.1	1.7	0.4	31.6	66.9	8.27	31.8	6.5	1.95	6.06	0.81	4.72	0.92	2.4	0.33	1.97	0.3	24.4	189
				C58-10	45-50		16.8	2.4	0.4	56.2	124.5	15.05	57.9	11.25	3.07	10.25	1.32	7.59	1.46	3.79	0.52	3.05	0.47	37.4	334
				C58-11	50-55		19.1	2.1	0.3	54.9	122.5	14.9	57.6	11.35	2.98	10.2	1.36	7.94	1.51	3.99	0.55	3.28	0.49	39.4	333
				C58-12	55-60		15.4	2.5	0.4	69.4	153.5	17.95	70.9	13.55	3.48	11.75	1.55	8.77	1.69	4.39	0.6	3.51	0.54	43.7	405
				C58-13	60-65		19	2.1	0.3	52.8	112	14.15	54.7	10.8	3.22	10.05	1.3	7.55	1.43	3.8	0.52	3.05	0.47	37.7	314
				C58-14	65-70		17.5	1.8	0.4	50.9	120.5	15.4	61	12.3	3.48	11.7	1.53	8.69	1.65	4.31	0.6	3.45	0.53	40.3	336
				C58-15	70-75		21	1.8	0.3	54.1	120.5	15.2	58.9	11.9	3.49	11.2	1.42	8.02	1.52	3.95	0.55	3.19	0.48	38.6	333
				C58-16	75-80		16.8	2.3	0.4	53	120	14.7	57.3	11.2	3.08	9.83	1.28	7.35	1.39	3.62	0.5	2.9	0.44	35.9	322
				C58-17	80-85		15.8	2.6	0.5	55.1	120.5	14.85	56.8	10.95	2.87	9.51	1.23	6.91	1.3	3.34	0.46	2.68	0.41	34.5	321
				C58-18	85-90		16.1	2.6	0.4	69.6	154.5	18.25	73.1	14.35	3.61	12.4	1.61	9.16	1.71	4.48	0.61	3.55	0.54	45.5	413
				C58-19	90-95		15.1	2.7	0.4	63.2	144	17.05	67.2	13.2	3.57	11.85	1.53	8.84	1.69	4.37	0.6	3.6	0.55	43.9	385
				C58-20	95-100		13.3	3	0.5	57.2	132	15.75	60.6	11.65	3.13	10.45	1.36	7.73	1.49	3.94	0.53	3.17	0.49	38.2	348
C59	242530	3782337	1371		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0
					25-30	Qal:																			0
				C59-7	30-35		14.2	4	0.7	63.7	143.5	16.8	67.3	13.15	3.19	11.75	1.52	8.62	1.63	4.29	0.58	3.4	0.52	42.4	382
				C59-8	35-40		15.5	4.4	0.7	69.3	154.5	18.2	72.4	13.95	3.57	12.5	1.61	9.25	1.75	4.49	0.63	3.71	0.56	44.9	411
				C59-9	40-45		7.1	1.5	0.3	33.8	75.4	8.93	35.3	6.84	1.73	5.77	0.78	4.47	0.84	2.2	0.31	1.81	0.26	21.3	200
				C59-10	45-50		16.5	3.4	0.6	71.2	158.5	18.9	75.6	14.8	3.85	13.4	1.72	9.83	1.88	4.86	0.66	3.85	0.57	48	428
				C59-11	50-55		16.3	3	0.4	69.6	160.5	18.75	75.6	14.85	3.97	13.15	1.73	10.05	1.89	4.88	0.66	3.93	0.59	48	428

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C59-12	55-60		22.2	1.7	0.4	36.4	79.2	10	39.8	8.35	2.97	8.97	1.17	6.79	1.3	3.41	0.46	2.76	0.42	32.5	235
				C59-13	60-65		28.2	1.4	0.3	19.3	44	5.6	23.6	5.34	2.05	6.59	0.89	4.73	0.93	2.53	0.34	2.1	0.33	27.2	146
				C59-14	65-70		27.1	1.5	0.3	19	42.6	5.26	22	4.94	1.85	6.04	0.81	4.31	0.88	2.35	0.32	1.93	0.3	25.6	138
				C59-15	70-75		24.3	1.3	0.4	20.3	47.2	6	25.3	5.7	2.06	6.83	0.91	4.85	0.97	2.62	0.35	2.18	0.33	28.1	154
				C59-16	75-80		21	2.3	0.4	47	113.5	13.65	54.4	10.7	3.06	12.05	1.51	7.66	1.5	4.06	0.53	3.23	0.5	41	314
				C59-17	80-85		17.7	2.4	0.4	56	139.5	16.5	65.5	12.6	3.58	14.1	1.78	9.05	1.76	4.73	0.62	3.76	0.58	46.2	376
				C59-18	85-90		19.1	3.7	0.5	78.7	186	21.3	84.4	15.85	4.27	17.4	2.1	10.35	2.01	5.43	0.69	4.17	0.65	55.7	489
				C59-19	90-95		17.9	4.3	0.8	70.8	170	19.85	77.5	14.5	3.98	15.9	1.97	9.77	1.91	5.13	0.67	4.09	0.63	53.6	450
				C59-20	95-100		16.5	4.1	0.8	67.8	162.5	18.95	73.2	13.9	3.91	15.2	1.89	9.4	1.85	4.99	0.66	3.98	0.61	50.9	430
C60	242510	3782357	1368		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0
					25-30	Qal:																			0
				C60-7	30-35		20.9	5.9	0.9	63.6	150.5	17.15	65.8	12.2	3.2	13.1	1.61	7.9	1.57	4.31	0.57	3.44	0.52	43.4	389
				C60-8	35-40		16.9	4.1	0.7	63.1	149.5	17.3	67	12.5	3.32	13.25	1.6	7.94	1.53	4.14	0.54	3.24	0.5	43.2	389
				C60-9	40-45		17.8	3	0.6	75.3	179.5	20.6	81.3	15.2	3.88	16.3	2	9.95	1.93	5.31	0.69	4.18	0.64	54.2	471
				C60-10	45-50		18	3	0.5	75.9	181	20.7	82.1	15.45	3.93	16.7	2.04	10.1	1.96	5.32	0.69	4.18	0.63	54.6	475
				C60-11	50-55		18.2	3.1	0.5	77.9	186	21.4	84.9	16.05	4.13	16.75	2.06	10.15	1.99	5.39	0.69	4.17	0.63	56.6	489
				C60-12	55-60		19.8	3.7	0.5	85.5	203	23.2	92.1	17.05	4.09	18.6	2.27	11.15	2.17	5.89	0.76	4.55	0.69	59.5	531
				C60-13	60-65		20.8	3.7	0.6	84.4	203	23.2	93	17.55	4.16	18.85	2.3	11.35	2.21	5.95	0.77	4.59	0.7	60.7	533
				C60-14	65-70		20.2	4	0.7	87.7	210	23.9	94.6	17.55	3.74	19	2.32	11.4	2.2	5.99	0.77	4.67	0.7	61.3	546
				C60-15	70-75		19	3.9	0.7	76.7	181.5	21.2	82.4	15.45	3.49	16.45	2	9.8	1.94	5.26	0.67	4.15	0.63	54.5	476
				C60-16	75-80		19.3	3.2	0.6	77.8	186	21.2	84.3	15.95	4.1	17.15	2.14	10.5	2.04	5.52	0.72	4.3	0.66	56.2	489
				C60-17	80-85		20.1	3.2	0.5	73.1	175	20.4	79.7	15	4.01	16.15	1.97	9.67	1.88	5.1	0.66	3.96	0.6	51.6	459
				C60-18	85-90		16.3	4.4	0.6	55.8	134	15.5	60.9	11.8	3.23	12.3	1.53	7.52	1.47	3.97	0.52	3.1	0.48	40.5	353
				C60-19	90-95		18.1	3.8	0.6	62.2	150	17.65	69.5	13.2	3.63	14	1.7	8.36	1.64	4.5	0.58	3.55	0.55	46	397
				C60-20	95-100		19.7	3.3	0.5	72.3	176.5	20.6	81.9	15.65	3.98	16.75	2.07	10.25	2.02	5.4	0.7	4.2	0.64	55.1	468
C61	242491	3782384	1367		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0
				C61-6	25-30		16.3	4.2	0.7	62.5	151	17.35	67.4	12.55	3.5	13.25	1.62	8.08	1.58	4.25	0.55	3.32	0.5	42.5	390
				C61-7	30-35		18.5	3.5	0.7	67.8	165	19.2	75.9	14.4	3.69	15.1	1.89	9.35	1.82	4.94	0.65	3.84	0.59	51	435
				C61-8	35-40		19.9	3.7	0.7	83.2	197.5	22.8	90.5	16.7	4.03	17.7	2.16	10.65	2.07	5.6	0.72	4.39	0.65	58.3	517
				C61-9	40-45		20.5	4.1	0.8	85.1	203	23.3	92.8	17.35	4.04	18.3	2.24	11.05	2.16	5.85	0.75	4.48	0.69	61	532
				C61-10	45-50		19.6	3.3	0.7	73.8	182	21.1	84.9	16.2	3.79	17.1	2.1	10.45	2.05	5.54	0.72	4.29	0.66	56.3	481
				C61-11	50-55		19.7	3.9	0.7	77.9	192	22	88	16.5	4.07	17.55	2.17	10.8	2.1	5.66	0.73	4.38	0.67	56.7	501
				C61-12	55-60		20.2	3.6	0.6	88.8	211	24.1	95.1	17.7	4.43	18	2.22	10.95	2.14	5.8	0.75	4.5	0.69	60.6	547
				C61-13	60-65		20.8	3.4	0.6	66.7	160	19.05	75.3	14.25	3.92	15.25	1.89	9.38	1.8	4.88	0.62	3.75	0.57	50.5	428
				C61-14	65-70		18.8	3.3	0.6	65.2	163.5	19.55	77.7	15.1	3.95	15.8	1.98	9.85	1.91	5.2	0.66	3.96	0.61	50.9	436
				C61-15	70-75		21.3	3.8	0.7	80.4	199	23.1	93.3	17.8	4.18	18.7	2.31	11.4	2.23	6	0.77	4.64	0.71	60.4	525
				C61-16	75-80		20.8	3.8	0.7	73.8	179.5	21.1	83.2	15.85	3.83	16.5	2.02	10.15	1.99	5.35	0.69	4.14	0.63	55.1	474
				C61-17	80-85		18.2	3.5	0.5	71.4	173.5	20.2	79	14.9	3.86	15.75	1.95	9.7	1.9	5.18	0.67	4.08	0.62	52.7	455
				C61-18	85-90		18.6	2.5	0.5	58.9	140	16.7	66.7	12.8	3.23	13.4	1.65	8.14	1.6	4.3	0.56	3.3	0.5	44.9	377
				C61-19	90-95		17	2.9	0.6	70.4	167	19.45	77.7	15	4.07	12.45	1.64	9.58	1.78	4.88	0.63	3.81	0.56	48.8	438

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				C61-20	95-100		16	2.9	0.7	69	159.5	19.25	76.3	14.7	4.03	12.25	1.61	9.3	1.73	4.68	0.59	3.6	0.54	47.1	424
C62	242474	3782408	1364		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0
				C62-6	25-30		12.8	3	0.8	56.8	135.5	15.95	63.9	12.4	3.39	10.1	1.34	7.97	1.51	4.2	0.54	3.41	0.52	41.1	359
				C62-7	30-35		16.8	3.9	0.8	79.3	184	22.3	88.7	17.25	4.48	14.15	1.87	10.95	2.04	5.53	0.71	4.42	0.68	55.4	492
				C62-8	35-40		15.6	3	0.5	72.7	169	20.3	80	15.25	4.28	12.5	1.65	9.72	1.82	4.99	0.64	4.06	0.6	50	448
				C62-9	40-45		18.7	3.5	0.6	81.4	192.5	23	91.4	17.65	4.54	14.6	1.92	11.3	2.09	5.69	0.73	4.51	0.66	57.8	510
				C62-10	45-50		22.7	4.4	0.8	90.5	214	27.6	108.5	19.45	5.06	16.7	2.11	11.55	2.18	5.73	0.72	4.48	0.66	61.4	571
				C62-11	50-55		21.2	4.9	0.8	93.3	199	26.1	103	19.15	4.84	16.4	2.1	11.7	2.21	5.8	0.72	4.53	0.66	59.9	549
				C62-12	55-60		25.2	5.1	1	96.3	210	28.1	112	21.4	4.34	15.8	2.1	11.7	2.21	5.88	0.72	4.56	0.66	61.8	578
				C62-13	60-65		17.1	3.3	0.7	82.5	188.5	22.4	88.4	16.9	4.5	14	1.83	10.7	2	5.45	0.7	4.4	0.65	54.9	498
				C62-14	65-70		15.9	3.8	1	47.4	95.2	12.15	46.7	9.06	2.45	7.81	1	5.49	1.03	2.71	0.34	2.19	0.32	27.8	262
				C62-15	70-75		24.8	3.9	0.7	65.7	138.5	18	71.5	13.45	3.75	11.95	1.53	8.41	1.57	4.15	0.52	3.29	0.48	42.8	386
				C62-16	75-80		26.7	1.5	0.4	18.4	38.2	5.16	21.4	4.91	1.97	5.2	0.7	3.97	0.77	2.06	0.26	1.64	0.24	20.6	125
				C62-17	80-85		24.3	3	0.7	66.2	136	17.9	71.2	13.25	3.89	11.95	1.51	8.22	1.56	4.15	0.52	3.24	0.48	41.9	382
				C62-18	85-90		26.4	3.2	1.3	59.1	126	16.75	67.2	12.7	3.57	11.5	1.47	8.2	1.55	4.11	0.52	3.27	0.47	42	358
				C62-19	90-95		24.3	4	1.1	77.1	156	20.5	79.8	14.7	4.04	12.7	1.62	8.86	1.68	4.47	0.56	3.52	0.51	45.9	432
				C62-20	95-100		19.5	6.6	1.8	67.6	133.5	17	65.6	11.8	3.21	9.91	1.23	6.66	1.24	3.3	0.42	2.66	0.38	33.9	358
C63	242456	3782435	1363		0-5	Qal:																			0
				C63-2	5-10		12.6	8.8	1.7	65.1	127.5	16.2	60.8	11	2.84	9.18	1.18	6.68	1.28	3.43	0.44	2.86	0.43	34.8	344
				C63-3	10-15		20.6	5.4	1.3	85.5	204	26	99.2	17.75	4.51	14.8	1.91	10.35	1.94	5.17	0.64	4.14	0.58	54.1	531
				C63-4	15-20		27.1	2.9	0.7	46.3	96	12.6	48.8	10.05	3.23	9.35	1.21	6.73	1.29	3.47	0.44	2.76	0.4	34.5	277
				C63-5	20-25		26	4.3	0.9	86.8	203	26.4	104.5	18.75	5.05	16.1	1.97	10.85	2.01	5.29	0.65	4.1	0.6	54.6	541
				C63-6	25-30		20.4	3.5	0.6	85.1	178.5	23.1	89.8	16.75	4.55	14.55	1.88	10.35	1.95	5.15	0.65	4.13	0.63	51.3	488
				C63-7	30-35		20.6	3.7	0.7	87.1	180.5	23.1	91.7	16.75	4.46	14	1.79	9.93	1.89	5.01	0.63	3.95	0.58	51.1	492
				C63-8	35-40		20.9	3.6	1.1	62.6	131	16.9	67.2	12.65	3.63	11.1	1.44	7.97	1.51	4.04	0.51	3.25	0.48	40.8	365
				C63-9	40-45		18.7	3.8	1	60.4	122.5	15.6	61.1	11.45	3.15	9.76	1.26	7.08	1.33	3.6	0.46	2.95	0.43	36.5	338
				C63-10	45-50		22.4	4	0.9	88.7	186	23.8	93.7	17.45	4.62	14.85	1.87	10.3	1.96	5.16	0.64	4.03	0.58	52.7	506
				C63-11	50-55		20.8	3.6	0.8	80.8	172.5	22.2	89.2	16.6	4.56	14.6	1.84	10.2	1.9	5	0.62	3.89	0.57	49.9	474
				C63-12	55-60		22.8	3.5	0.8	83.2	179.5	22.7	90.5	16.75	4.75	14.55	1.82	10.05	1.89	5	0.62	3.88	0.57	50.2	486
				C63-13	60-65		14.5	7.8	1.4	62.6	125	15.5	60.1	11	2.77	8.86	1.13	6.12	1.15	2.96	0.37	2.34	0.34	30.7	331
				C63-14	65-70		20.3	6.2	1.3	84.1	167.5	21.7	84.3	15.4	4.16	13.2	1.63	8.83	1.64	4.34	0.53	3.32	0.49	45.3	456
				C63-15	70-75		20.4	4.4	0.9	78.1	162.5	20.9	82.5	15.55	4.13	13.45	1.7	9.27	1.75	4.67	0.58	3.59	0.54	45.7	445
				C63-16	75-80		20.4	6.8	1	83.5	162.5	21	80.9	14.5	3.78	12.1	1.48	8.05	1.51	4.01	0.5	3.18	0.47	40.7	438
				C63-17	80-85		29	5.9	1.2	78.1	175.5	22.5	90.4	17.1	4.86	15.2	1.87	10.2	1.91	5.07	0.63	3.95	0.57	51.7	480
				C63-18	85-90		19.9	5.1	1.2	63.3	128.5	16.4	64	12.15	3.63	11.15	1.41	7.79	1.45	3.89	0.49	3.09	0.45	36.8	355
				C63-19	90-95		19.6	3.2	0.8	50.6	132.5	16.35	64.3	12.25	3.29	12.85	1.56	7.79	1.51	4.1	0.53	3.2	0.49	38.8	350
				C63-20	95-100		20.1	3.4	0.8	52.5	138	17.3	68.5	13.15	3.37	13.9	1.71	8.32	1.61	4.4	0.57	3.43	0.53	40.8	368
D1	241740	3780923	1469	D1-1	0-5	Tsp:	5.8	6.5	2.1	34.9	67.6	8.17	30.1	5.56	1.51	4.55	0.69	3.43	0.68	1.98	0.27	1.71	0.24	18.1	179
				D1-2	5-10	Tsp:	10.2	7.3	1.4	57.7	118	14.75	56.1	9.96	2.43	8.35	1.23	5.97	1.17	3.35	0.43	2.64	0.39	30	312
				D1-3	10-15	Tsp:	14.9	7.8	1	85.2	176.5	22.2	87.9	16.05	3.52	13.4	1.98	9.54	1.79	5.02	0.62	3.69	0.5	47.4	475
				D1-4	15-20	Tsp:	13.4	6	0.7	62.6	135.5	16.65	65.3	12.15	2.79	9.59	1.43	7.1	1.37	3.89	0.48	2.9	0.41	36.5	359
				D1-5	20-25	Tsp:	8.6	4.2	0.8	40	80.3	10.15	38.6	7.2	1.87	6.08	0.94	4.93	0.98	2.8	0.38	2.37	0.32	24.4	221
				D1-6	25-30	Tsp:	5.4	6.1	0.8	50.7	93.5	10.95	39.9	7.06	1.86	5.73	0.84	4.04	0.76	2.17	0.27	1.63	0.22	19.4	239
				D1-7	30-35	Tsp:	6.4	7.7	1.1	41.6	76.4	8.74	31.5	5.47	1.53	4.51	0.66	3.2	0.61	1.74	0.22	1.4	0.2	15.7	193

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D1-8	35-40	Tsp:	8.8	6.1	0.9	51	92.9	11.2	40.5	7	1.94	5.92	0.87	4.26	0.83	2.44	0.31	1.97	0.27	22.4	244
				D1-9	40-45	Tsp:	9.7	5.4	1.1	46.3	93.2	11.6	44	8.24	2.21	6.94	1.08	5.62	1.12	3.26	0.43	2.75	0.38	28.2	255
				D1-10	45-50	Tsp:	6.3	5.4	0.8	40.3	72.9	8.54	30.3	5.34	1.8	4.34	0.63	3.13	0.59	1.66	0.21	1.36	0.19	15.8	187
				D1-11	50-55	Tsp:	12.6	8.7	0.9	75.7	151.5	18.1	68.2	12.2	2.71	10.3	1.5	7.33	1.43	3.97	0.51	3.13	0.43	37.8	395
				D1-12	55-60	Tsp:	13.7	8	0.8	85.3	174	20.5	77.7	13.65	3	11.4	1.67	8.25	1.6	4.5	0.56	3.53	0.49	42.8	449
				D1-13	60-65	Tsp:	17.7	8.3	0.8	95.5	194	23.4	90.5	15.95	3.34	13.45	1.99	9.77	1.9	5.44	0.68	4.17	0.58	50.1	511
				D1-14	65-70	Tsp:	14.4	7.1	0.8	81	167	20.1	78.7	13.95	2.83	11.6	1.71	8.34	1.59	4.48	0.56	3.36	0.47	41.2	437
				D1-15	70-75	Tsp:	7.9	5.4	0.7	53.6	101.5	12	45.1	7.88	1.98	6.37	0.93	4.28	0.8	2.15	0.26	1.54	0.21	21	260
				D1-16	75-80	Tsp:	5.3	5.9	0.6	44	79.3	8.83	30.8	4.95	1.58	4.14	0.57	2.63	0.49	1.4	0.17	1.05	0.15	12.4	192
				D1-17	80-85	Tsp:	5.7	5.4	0.5	45	80.2	8.87	30.3	4.73	1.52	3.95	0.55	2.51	0.47	1.36	0.16	1.02	0.15	12.3	193
				D1-18	85-90	Tsp:	6.3	5.7	0.7	48.3	85.7	9.46	32.4	4.98	1.58	4.12	0.56	2.58	0.48	1.39	0.17	1.03	0.15	12.5	205
				D1-19	90-95	Tsp:	6.3	5.7	0.7	50.2	87.5	9.56	32.4	4.91	1.54	4.08	0.56	2.53	0.47	1.32	0.16	0.96	0.14	12.5	209
				D1-20	95-100	Tsp:	5.6	6	0.8	43.3	79.8	8.62	29.6	4.64	1.47	3.97	0.57	2.65	0.51	1.46	0.18	1.11	0.16	13.6	192
D2	241767	3780937	1467	D2-1	0-5	Tsp:	7	8	1.4	38.1	69.8	8.06	29.3	5.22	1.36	4.39	0.65	3.24	0.63	1.84	0.25	1.58	0.22	17.5	182
				D2-2	5-10	Tsp:	7.3	4.5	0.8	25.4	47.3	5.79	21.5	3.91	1.18	3.32	0.51	2.56	0.51	1.49	0.2	1.27	0.19	13.7	129
				D2-3	10-15	Tsp:	3.5	6.3	0.9	28.6	52.2	6.22	22.4	3.92	1.28	3.27	0.48	2.22	0.42	1.18	0.15	0.85	0.12	12.1	135
				D2-4	15-20	Tsp:	4	6.5	0.7	31.9	59.2	6.89	24.8	4.24	1.38	3.6	0.52	2.47	0.48	1.29	0.16	0.98	0.15	13.1	151
				D2-5	20-25	Tsp:	15.3	8.7	0.9	78.5	171	20.6	80.5	14.55	3.24	12.15	1.78	8.51	1.63	4.64	0.58	3.58	0.5	42.2	444
				D2-6	25-30	Tsp:	14.8	8.7	0.9	73	150	18.55	71.5	12.75	2.77	10.75	1.57	7.82	1.51	4.28	0.54	3.34	0.46	40	399
				D2-7	30-35	Tsp:	10.9	6.2	0.8	56.4	118	14.4	54.9	10.2	2.44	8.41	1.25	6.11	1.16	3.3	0.42	2.6	0.37	30.9	311
				D2-8	35-40	Tsp:	9.4	7	0.8	49.6	99.5	12.15	45.3	8.17	2.06	6.95	1.05	5.27	1.03	3	0.38	2.34	0.33	26.9	264
				D2-9	40-45	Tsp:	12.3	5.9	0.6	57.6	125.5	15.1	58.2	10.85	2.53	9	1.39	6.96	1.36	3.88	0.5	3	0.42	34.6	331
				D2-10	45-50	Tsp:	6.6	5.2	0.6	47.5	88.6	10.5	38	6.74	1.79	5.41	0.78	3.71	0.69	1.92	0.24	1.4	0.2	18.4	226
				D2-11	50-55	Tsp:	6.2	5.4	0.6	43.6	82	9.16	32.1	5.29	1.61	4.45	0.63	2.96	0.56	1.6	0.2	1.22	0.18	14	200
				D2-12	55-60	Tsp:	6.1	6.5	0.8	43.1	74.7	8.41	29	4.5	1.39	3.78	0.52	2.42	0.45	1.31	0.16	0.94	0.14	12.4	183
				D2-13	60-65	Tsp:	6.5	5	0.5	42.7	77.5	8.67	30	4.64	1.54	3.93	0.56	2.69	0.53	1.56	0.19	1.23	0.18	13.9	190
				D2-14	65-70	Tsp:	6.4	6.3	0.8	50.5	91.9	10.15	35.5	5.63	1.67	4.77	0.67	3.15	0.61	1.78	0.22	1.33	0.19	16.6	225
				D2-15	70-75	Tsp:	5.6	5.8	0.6	53.3	101.5	10.2	34.4	5.19	1.58	4.67	0.61	2.54	0.47	1.38	0.17	1.06	0.17	12.7	230
				D2-16	75-80	Tsp:	5.4	4.3	0.5	39.7	78.4	8.36	28.4	4.57	1.46	4.3	0.59	2.56	0.47	1.37	0.17	1.08	0.17	11.5	183
				D2-17	80-85	Tsp:	5.7	5.3	0.7	45.5	90.3	9.32	31.7	5.07	1.56	4.65	0.63	2.72	0.5	1.47	0.18	1.13	0.18	12.4	207
				D2-18	85-90	Tsp:	5.3	4.5	0.6	48.5	91.1	9.61	32.7	5.08	1.51	4.7	0.63	2.6	0.48	1.38	0.17	1.03	0.16	12.1	212
				D2-19	90-95	Tsp:	5.6	4.9	0.6	44.8	86.3	8.9	30.1	4.64	1.48	4.42	0.58	2.49	0.46	1.37	0.17	1.04	0.17	11.8	199
				D2-20	95-100	Tsp:	6	5.5	0.6	50.2	96.3	9.57	32.2	4.92	1.57	4.54	0.6	2.47	0.45	1.32	0.17	1.01	0.16	12.1	218
D3	241796	3780952	1465	D3-1	0-5	Tsp:	11.4	7.4	1	58.1	139	17.2	70.5	12.75	3.25	9.86	1.41	7.6	1.48	3.8	0.5	2.76	0.41	36.9	366
				D3-2	5-10	Tsp:	8.5	6.5	0.9	45.8	105.5	12.75	52.8	9.24	2.49	6.81	1	5.49	1.06	2.72	0.37	2.04	0.31	26.7	275
				D3-3	10-15	Tsp:	8.2	6.4	1.1	37.6	87.5	11.4	43.7	7.93	2.47	6.06	0.93	5.15	1	2.58	0.36	1.98	0.3	23.3	232
				D3-4	15-20	Tsp:	12.5	5.1	1.2	34.5	86.7	11.7	45.5	8.2	2.63	6.53	0.98	5.5	1.08	2.9	0.41	2.32	0.35	24.5	234
				D3-5	20-25	Tsp:	10.9	5.2	1	32.7	79.1	10.45	39.4	6.89	2.2	5.2	0.79	4.41	0.88	2.36	0.33	1.96	0.3	21.4	208
				D3-6	25-30	Tsp:	10	4.9	0.9	31	78.1	10.2	38.5	6.86	2.32	5.42	0.84	4.72	0.94	2.56	0.36	2.06	0.31	22.7	207
				D3-7	30-35	Tsp:	8.6	6.1	0.8	38.1	91.7	11.45	46.1	8.36	2.27	6.47	0.98	5.4	1.06	2.74	0.37	2	0.31	25.7	243
				D3-8	35-40	Tsp:	7.9	5.8	0.8	40.3	93	11.55	42	7.15	2.05	5.29	0.8	4.43	0.87	2.29	0.31	1.75	0.27	20.4	232
				D3-9	40-45	Tsp:	5.6	4.7	0.6	31.5	71	8.41	29.4	4.69	1.63	3.36	0.53	2.97	0.59	1.59	0.23	1.25	0.19	14.9	172
				D3-10	45-50	Tsp:	5.9	5.2	0.7	33.8	69.3	8.26	28.1	4.27	1.61	3.03	0.47	2.56	0.51	1.37	0.19	1.07	0.17	13.8	169
				D3-11	50-55	Tsp:	5.5	5.8	0.8	31.9	66.4	7.85	26.6	3.91	1.4	2.81	0.42	2.35	0.46	1.22	0.17	0.95	0.15	12.8	159
				D3-12	55-60	Tsp:	5.2	5	0.6	35.7	75.4	8.56	28.6	4.05	1.5	2.81	0.42	2.23	0.44	1.15	0.16	0.92	0.15	11.5	174
				D3-13	60-65	Tsp:	5.3	5.1	0.6	37.8	78.5	9.04	30.5	4.27	1.57	3.06	0.44	2.4	0.46	1.2	0.16	0.91	0.15	12.1	183
				D3-14	65-70	Tsp:	5.5	5.4	0.7	38.5	79.6	9.04	29.9	4.21	1.54	2.97	0.43	2.28	0.44	1.15	0.16	0.89	0.14	11.6	183
				D3-15	70-75	Tsp:	6.3	5.1	0.8	46.4	96.9	11.8	41.3	6.33	2.09	4.68	0.66	3.49	0.67	1.68	0.22	1.19	0.19	16.9	235

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D3-16	75-80	Tsp:	5.8	5	0.6	35.6	74	8.5	28.3	3.98	1.49	2.75	0.4	2.16	0.42	1.07	0.15	0.85	0.15	11.1	171
				D3-17	80-85	Tsp:	5.8	5.2	0.7	38.6	82.9	9.57	32.3	4.79	1.64	3.5	0.52	2.76	0.55	1.43	0.19	1.06	0.17	14.2	194
				D3-18	85-90	Tsp:	6.2	5.1	0.7	37.5	78.4	9.11	31.3	4.57	1.64	3.26	0.48	2.58	0.5	1.3	0.18	1	0.16	12.8	185
				D3-19	90-95	Tsp:	6.4	5.5	0.7	43.3	90.5	10.15	34.3	4.87	1.76	3.5	0.52	2.7	0.53	1.38	0.19	1.05	0.17	13.4	208
				D3-20	95-100	Tsp:	5.1	4.3	0.6	29.8	64.1	7.49	26	3.98	1.64	2.95	0.44	2.36	0.46	1.19	0.16	0.94	0.15	11.5	153
D4	241822	3780968	1460	D4-1	0-5	Tsp:	8.6	7.6	1.1	41.1	94.1	11.8	43.7	7.41	2.14	5.8	0.88	4.69	0.91	2.3	0.32	1.75	0.27	21.1	238
				D4-2	5-10	Tsp:	5.5	5.4	0.9	29.4	68.6	7.86	28.1	4.52	1.61	3.54	0.51	2.8	0.54	1.38	0.19	1.05	0.16	13.1	163
				D4-3	10-15	Tsp:	5.4	5.6	1.1	33.3	70.5	8.42	29.3	4.57	1.65	3.4	0.5	2.68	0.51	1.33	0.18	1	0.16	12.7	170
				D4-4	15-20	Tsp:	5.7	5.4	0.7	36.6	75.4	8.77	29.7	4.43	1.65	3.17	0.45	2.44	0.48	1.26	0.17	0.99	0.16	12.3	178
				D4-5	20-25	Tsp:	5.8	5.4	0.8	35.5	71.9	8.31	28	4.1	1.55	3.04	0.44	2.33	0.46	1.17	0.16	0.91	0.15	11.6	170
				D4-6	25-30	Tsp:	5.4	5.2	0.8	34	68.7	7.83	26	3.65	1.47	2.54	0.37	2.03	0.39	1.03	0.15	0.86	0.14	10.2	159
				D4-7	30-35	Tsp:	5.6	5.3	0.7	40.3	81.2	9.56	32.3	4.67	1.72	3.54	0.51	2.7	0.52	1.35	0.18	1.04	0.17	13.3	193
				D4-8	35-40	Tsp:	5.5	4.7	0.7	31	65.4	7.8	26.8	4.05	1.56	3.06	0.46	2.47	0.48	1.25	0.17	0.97	0.16	12	158
						20% Qal: 80%																			
D5	241851	3780980	1456	D5-1	0-5	Tsp:	7.3	8.1	1.4	31.8	75.1	9.68	36.5	6.55	1.8	5.24	0.81	4.47	0.89	2.4	0.33	1.92	0.3	21.5	199
				D5-2	5-10	Tsp:	8	7	1.2	38.1	89.7	11.5	43.2	7.68	2.27	6.15	0.94	5.06	0.99	2.59	0.35	1.97	0.3	23.5	234
				D5-3	10-15	Tsp:	6.1	5.5	0.9	32.7	75	9.81	36.7	6.52	2.04	5.13	0.79	4.25	0.82	2.1	0.28	1.55	0.23	18.9	197
				D5-4	15-20	Tsp:	6.8	4.6	0.9	27.1	64.2	8.59	32.2	5.62	1.92	4.33	0.66	3.63	0.7	1.89	0.26	1.47	0.22	16.3	169
				D5-5	20-25	Tsp:	6.2	6	0.8	35.5	80.5	10.25	37.6	6.49	2.15	5.04	0.75	4.06	0.77	1.97	0.27	1.47	0.23	17.6	205
				D5-6	25-30	Tsp:	6.9	5.9	0.8	37.2	81.7	10.7	39.8	6.82	2.22	5.36	0.79	4.17	0.79	1.97	0.26	1.4	0.21	18.8	212
				D5-7	30-35	Tsp:	6	4.9	0.7	37.7	76.3	8.46	30.6	5	1.61	3.3	0.51	2.84	0.53	1.47	0.2	1.16	0.19	14.3	184
				D5-8	35-40	Tsp:	5.9	3.7	0.7	28.1	55.7	6.19	22.6	3.69	1.46	2.38	0.38	2.19	0.41	1.17	0.16	0.94	0.15	10.4	136
				D5-9	40-45	Tsp:	6.3	3.7	0.7	28.8	55.3	6.21	22.7	3.72	1.49	2.4	0.37	2.11	0.39	1.07	0.15	0.89	0.15	10.5	136
				D5-10	45-50	Tsp:	6.7	3.7	0.8	24.7	50.2	5.73	21.2	3.49	1.43	2.3	0.36	2.02	0.38	1.07	0.15	0.87	0.15	9.9	124
				D5-11	50-55	Tsp:	7.4	4.7	0.8	37.1	69.3	7.54	27.1	4.35	1.65	2.77	0.42	2.33	0.44	1.19	0.16	0.96	0.15	11.9	167
				D5-12	55-60	Tsp:	8.8	4.2	0.9	41	79.5	8.82	32.5	5.18	1.73	3.09	0.48	2.66	0.49	1.38	0.19	1.1	0.18	13.7	192
				D5-13	60-65	Tsp:	10.9	4.2	0.9	53.1	110.5	13.05	49.9	8.01	2.16	4.63	0.71	3.9	0.73	1.99	0.27	1.54	0.24	20.1	271
				D5-14	65-70	Tsp:	11.8	3.7	1	45.5	98.8	12.75	51.9	9.14	2.27	5.47	0.82	4.62	0.86	2.31	0.31	1.72	0.26	22.8	260
D6	241880	3780993	1457		0-5	Qal:																			0
					5-10	Qal:																			0
						80% Qal: ; 20%																			
					10-15	Tsp?																			0
				D6-4	15-20	Tsp:	7	7.4	1.4	41.5	85.3	10.2	38.7	7	1.93	5.05	0.76	4.11	0.76	2.13	0.28	1.59	0.24	21.3	221
				D6-5	20-25	Tsp:	6.6	6.4	1	45.8	90.9	10.65	39.6	6.85	1.99	4.53	0.69	3.83	0.7	1.86	0.25	1.4	0.22	19.5	229
				D6-6	25-30	Tsp:	11.8	6.2	1	70.3	147	17.7	69.3	12.25	2.79	7.4	1.15	6.64	1.22	3.31	0.45	2.52	0.38	31.5	374
				D6-7	30-35	Tsp:	11.5	6.8	0.9	64.1	140	16.5	65.1	11.8	2.57	7.38	1.17	6.64	1.27	3.51	0.47	2.64	0.39	31.3	355
				D6-8	35-40	Tsp:	10.1	7.5	0.9	60.2	126	15.25	59	10.5	2.27	6.93	1.05	5.85	1.07	2.89	0.38	2.12	0.32	29.6	323
				D6-9	40-45	Tsp:	5.7	5	0.6	37.4	74.5	8.96	34	6.17	1.99	4.04	0.62	3.4	0.63	1.69	0.22	1.27	0.21	16.8	192
				D6-10	45-50	Tsp:	9.8	6.9	0.9	57.8	120.5	14.45	55.1	9.69	2.33	5.95	0.95	5.27	0.97	2.58	0.34	1.91	0.29	26.7	305
				D6-11	50-55	Tsp:	7.4	8.4	0.9	57.2	115.5	13.3	51.7	9.43	2.14	5.79	0.86	4.8	0.85	2.22	0.28	1.53	0.23	22	288
				D6-12	55-60	Tsp:	5.7	4.6	0.6	29.5	59.8	6.79	25.6	4.62	1.43	2.92	0.44	2.41	0.43	1.15	0.16	0.89	0.14	11.8	148
				D6-13	60-65	Tsp:	6.1	5.5	0.7	37.4	71.5	7.65	27.5	4.27	1.41	2.56	0.39	2.22	0.41	1.12	0.15	0.89	0.15	11.5	169
				D6-14	65-70	Tsp:	6.3	5.6	0.8	40.4	77	8.35	29.6	4.43	1.49	2.62	0.39	2.19	0.4	1.09	0.15	0.84	0.15	11	180
				D6-15	70-75	Tsp:	7.1	5.6	0.7	44.8	88.2	9.24	32.5	4.96	1.59	2.76	0.43	2.45	0.46	1.27	0.17	1.04	0.17	13.2	203
				D6-16	75-80	Tsp:	7.5	5.7	0.8	45.8	90	9.53	33.3	5.01	1.61	2.88	0.47	2.59	0.49	1.35	0.18	1.12	0.18	13.4	208
				D6-17	80-85	Tsp:	6.8	5.2	0.9	45.3	86.5	9.3	33.5	5.16	1.69	3.01	0.46	2.63	0.48	1.33	0.18	1.01	0.17	13.8	205
				D6-18	85-90	Tsp:	7.1	4.6	0.8	35.2	71.1	7.64	27.9	4.51	1.79	2.78	0.44	2.45	0.46	1.28	0.17	1.05	0.18	12.1	169
				D6-19	90-95	Tsp:	7.4	4.5	0.9	40.4	78.7	8.53	31.1	4.95	1.75	3.19	0.47	2.58	0.48	1.31	0.17	1.04	0.17	12.4	187

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D6-20	95-100	Tsp:	7	4.2	0.8	30.4	60.9	6.6	24	3.81	1.53	2.28	0.36	2.03	0.38	1.07	0.15	0.9	0.14	10.1	145
D7	241906	3781006	1457		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
						50% Qal: ; 50%																			
				D7-4	15-20	Tsp:?	10.3	10.1	2.3	46.3	95.1	11.2	43	7.58	2.51	5.29	0.79	4.46	0.85	2.41	0.34	2.04	0.34	24.9	247
				D7-5	20-25	Tsp:	12.4	7	1.3	64.1	140	16.85	66.3	12	2.58	7.82	1.19	6.66	1.26	3.47	0.46	2.59	0.4	32.3	358
				D7-6	25-30	Tsp:	9	5.2	0.9	44.3	88.3	10.2	38.8	6.78	1.81	4.31	0.65	3.64	0.68	1.87	0.25	1.41	0.22	19.3	223
				D7-7	30-35	Tsp:	6.6	5.8	1	40.5	79.3	8.86	33.1	5.61	1.74	3.53	0.54	2.94	0.54	1.47	0.19	1.09	0.18	14.6	194
				D7-8	35-40	Tsp:	7.5	6	1	42.1	84.1	9.71	35.9	6.23	1.74	3.87	0.59	3.28	0.61	1.65	0.22	1.27	0.2	17.3	209
				D7-9	40-45	Tsp:	6.3	5.6	0.9	37.9	73.6	8.07	29.2	4.76	1.6	3	0.45	2.47	0.45	1.23	0.16	0.94	0.17	13	177
				D7-10	45-50	Tsp:	6.2	5.2	0.8	32.3	65.2	7.01	25.5	4.1	1.34	2.4	0.39	2.16	0.4	1.11	0.15	0.9	0.15	11.5	155
				D7-11	50-55	Tsp:	6	5.7	0.8	36	71.6	7.64	27.2	4.28	1.47	2.73	0.42	2.28	0.43	1.2	0.17	0.99	0.17	11.7	168
				D7-12	55-60	Tsp:	6.2	5.5	0.8	31.5	63.5	6.96	24.4	3.84	1.41	2.36	0.37	1.99	0.38	1.04	0.14	0.85	0.15	10.2	149
				D7-13	60-65	Tsp:	6.1	4.6	0.7	37.8	71	7.5	26.1	4	1.35	3.36	0.43	2.13	0.41	1.14	0.15	0.95	0.15	12.5	169
				D7-14	65-70																				0
				D7-15	70-75																				0
				D7-16	75-80																				0
				D7-17	80-85																				0
				D7-18	85-90																				0
				D7-19	90-95																				0
				D7-20	95-100																				0
D8	241933	3781017	1455		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
						20% Qal: ; 80%																			
				D8-5	20-25	Tsp	10.3	8.9	1.6	49.6	102	11.5	43.8	7.82	1.73	6.97	0.96	4.87	0.98	2.77	0.37	2.32	0.34	30	266
				D8-6	25-30	Tsp:	9.6	6.9	1.3	68.5	135.5	15.25	57.3	10.1	2.11	9.05	1.16	5.63	1.07	2.85	0.35	2.04	0.29	33	344
				D8-7	30-35	Tsp:	15.2	6.7	1.2	66.8	148.5	15.95	60.3	11.4	2.29	9.56	1.26	6.3	1.24	3.23	0.43	2.46	0.36	38.7	369
				D8-8	35-40	Tsp:	7.5	5.4	0.9	37	82.4	9.2	34.1	6.36	1.43	5.44	0.74	3.72	0.73	1.97	0.26	1.49	0.22	22.5	208
				D8-9	40-45	Tsp:	10.7	7	1	51	109.5	14.05	54.8	10.35	2.3	8.52	1.18	6.21	1.17	3.1	0.41	2.41	0.35	33	298
				D8-10	45-50	Tsp:	10.5	5	0.9	37.4	78.1	9.76	35.9	6.37	1.79	5.22	0.73	3.99	0.76	2.08	0.29	1.77	0.27	21.3	206
				D8-11	50-55	Tsp:	10.3	5.7	0.9	55.8	111	13.5	50.7	8.44	2.17	6.49	0.84	4.42	0.83	2.23	0.3	1.79	0.27	23.9	283
				D8-12	55-60	Tsp:	7	3.8	0.7	30.7	60.8	7.52	26.8	4.54	1.54	3.55	0.49	2.6	0.49	1.35	0.19	1.18	0.19	14.1	156
				D8-13	60-65	Tsp:	5.6	3.6	0.7	29	55.1	6.63	23.1	3.76	1.45	2.97	0.4	2.16	0.42	1.14	0.16	1.02	0.17	11.8	139
				D8-14	65-70	Tsp:	7.7	3.6	0.7	36	70.4	8.77	31.5	5.22	1.72	3.97	0.53	2.8	0.53	1.43	0.2	1.25	0.2	15.1	180
				D8-15	70-75	Tsp:	7.3	3.3	0.7	28.1	56.7	7.28	26.6	4.54	1.62	3.62	0.5	2.63	0.51	1.4	0.19	1.22	0.19	14.2	149
				D8-16	75-80	Tsp:	6.1	3.1	0.7	23.5	44.9	5.66	20.4	3.54	1.44	2.86	0.4	2.16	0.41	1.13	0.16	1.01	0.16	11.8	120
				D8-17	80-85	Tsp:	10.2	3.6	0.9	28.4	54.6	6.93	25.1	4.4	1.51	3.6	0.51	2.74	0.53	1.46	0.21	1.33	0.2	15.4	147
				D8-18	85-90	Tsp:	16.9	3.2	1	28.8	58.5	7.8	29.2	5.39	1.64	4.55	0.64	3.54	0.68	1.89	0.27	1.63	0.24	19.4	164
				D8-19	90-95	Tsp:	16.5	2.8	0.8	24.2	51.2	6.96	26.4	5.09	1.54	4.28	0.61	3.38	0.66	1.85	0.26	1.64	0.25	19.5	148
				D8-20	95-100	Tsp:	10.4	2.8	0.8	19.4	41.7	5.59	21.5	4.1	1.5	3.61	0.5	2.79	0.54	1.52	0.21	1.36	0.21	15.1	120
D9	241962	3781032	1454		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
					20-25	40% Qal: ; 60% Tc: light brown ss and clay																			0
				D9-6	25-30	Tc: light green ss and clay; trace Tsp:	8.9	14.6	6.1	42.4	89	9.49	34.3	6.35	2.05	5.05	0.73	4.07	0.77	2.19	0.31	2.18	0.33	20.7	220
				D9-7	30-35	Tsp:	8	9.7	2.3	44.1	91.1	9.77	35.5	6.52	3.06	5.32	0.72	3.93	0.77	2.11	0.3	2.16	0.36	20.2	226
				D9-8	35-40	Tsp:	3.5	5.4	1.2	25	51.1	5.5	19.4	3.47	1.15	2.78	0.42	2.46	0.5	1.44	0.21	1.42	0.21	13.1	128
				D9-9	40-45	Tsp:	8	5.2	1	38.1	89.3	9.96	37.1	6.85	1.72	5.52	0.83	4.78	0.96	2.68	0.37	2.35	0.32	22.9	224
				D9-10	45-50	Tsp:	14.9	8.6	1.2	76.5	177.5	19.15	72.8	13.4	2.9	10.75	1.55	8.72	1.66	4.54	0.6	3.72	0.5	40.3	435
				D9-11	50-55	Tsp:	7.3	5.3	0.9	44.3	96.8	10.4	38.4	6.84	1.71	5.41	0.79	4.31	0.81	2.18	0.28	1.78	0.25	20.6	235
				D9-12	55-60	Tsp:	4.4	5.1	0.9	32.9	68.9	7.25	25.8	4.63	1.36	3.59	0.54	2.97	0.56	1.48	0.2	1.19	0.17	14	166
				D9-13	60-65	Tsp:	7.5	6.3	0.9	43.6	98.3	10.5	38.7	7.06	1.87	5.49	0.8	4.52	0.86	2.36	0.32	1.95	0.27	21.5	238
				D9-14	65-70	Tsp:	13.6	8.9	1.1	78.3	176.5	19.45	73	13.45	3.15	10.75	1.53	8.47	1.61	4.31	0.56	3.45	0.46	39.4	434
				D9-15	70-75	Tsp:	18.3	8.9	1	86	206	21.8	85.5	16.05	3.43	12.95	1.85	10.3	1.97	5.29	0.69	4.2	0.57	48	505
				D9-16	75-80	Tsp:	17.9	9.2	1	91.1	214	22.6	88.5	16.6	3.61	13.25	1.9	10.55	2	5.3	0.71	4.31	0.58	48.7	524
				D9-17	80-85	Tsp:	9.3	4.9	0.9	33.3	76.2	8.36	31.6	5.88	2	4.89	0.71	4.07	0.78	2.14	0.3	1.82	0.28	18.6	191
				D9-18	85-90	Tsp:	8.3	3.6	0.9	26.3	56.5	6.14	22.9	4.15	1.75	3.42	0.51	2.84	0.55	1.51	0.21	1.36	0.21	13.6	142
				D9-19	90-95	Tsp:	8.3	3.6	1	25.5	54.2	6.05	22.8	4.22	1.68	3.66	0.53	2.99	0.58	1.6	0.22	1.42	0.22	14.3	140
				D9-20	95-100	Tsp:	7.6	2.7	0.8	18.9	41.1	4.53	17	3.18	1.41	2.78	0.42	2.41	0.48	1.33	0.18	1.21	0.18	11.4	107
D10	241991	3781045	1452		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal: red ss and clyst																			0
					15-20	Qal:																			0
				D10-5	20-25	Tc: medium green brown ss and clay	8.3	13.3	13.7	39.4	79.3	8.61	30.7	5.54	1.6	4.47	0.65	3.66	0.72	2	0.28	1.88	0.28	19.2	198
				D10-6	25-30	Tc: medium green brown ss and clay	9.2	15	14.7	44.8	89.5	9.84	35	6.33	1.56	4.81	0.71	3.96	0.77	2.17	0.31	2.03	0.29	20.4	222
				D10-7	30-35	Tc: medium green brown ss and clay	10	16.3	19.3	48.3	102.5	10.8	38.6	7.16	1.8	5.7	0.84	4.67	0.93	2.55	0.36	2.41	0.35	24.2	251
				D10-8	35-40	Tsp:	12.9	10.8	3.1	59.5	129	14.6	49.1	10.5	1.94	7.82	1.08	5.84	1.1	3.03	0.44	2.78	0.39	28.8	316
				D10-9	40-45	Tsp:	16.8	5.6	2.4	69.4	160.5	18.55	64.2	14	2.46	10.45	1.52	8.68	1.65	4.52	0.62	3.67	0.51	44.1	405
				D10-10	45-50	Tsp:	15	4.2	1.7	54.7	121	14.3	49.8	10.9	2.43	8.12	1.18	6.73	1.29	3.48	0.48	2.84	0.41	35.5	313
				D10-11	50-55	Tsp:	16.4	3.8	1.3	57.9	128	15	52.5	11.5	2.44	8.84	1.26	7.27	1.4	3.8	0.53	3.16	0.46	38.9	333
				D10-12	55-60	Tsp:	15.1	3.4	1.1	63.9	144.5	17.05	60.6	13.15	2.78	10	1.42	8.03	1.53	4.09	0.56	3.32	0.48	41.5	373
				D10-13	60-65	Tsp:	17.9	4.5	1.2	65.3	144.5	16.8	58.9	12.85	2.71	9.9	1.41	8.02	1.53	4.17	0.58	3.49	0.5	41.9	373
				D10-14	65-70	Tsp:	19.5	3.9	0.9	62.7	135.5	15.75	54.8	12.15	2.57	9.74	1.42	8.15	1.57	4.39	0.62	3.75	0.54	42.8	356
				D10-15	70-75	Tsp:	18.7	3.7	1	66.1	143	16.6	58.1	12.9	2.62	10.1	1.47	8.49	1.67	4.55	0.64	3.9	0.56	45.5	376
				D10-16	75-80	Tsp:	18.2	3.6	0.9	60.8	131.5	15.5	54.5	12.25	2.51	9.45	1.39	8.04	1.57	4.35	0.62	3.75	0.54	42.3	349
				D10-17	80-85	Tsp:	19.4	3.6	0.9	61.6	133.5	15.65	54.5	12.2	2.6	9.73	1.42	8.18	1.6	4.43	0.63	3.84	0.54	43.2	354
				D10-18	85-90	Tsp:	19.8	3.2	0.9	49.8	111.5	13.15	46.3	10.6	2.3	8.4	1.25	7.28	1.43	4	0.57	3.4	0.49	40.5	301
				D10-19	90-95	Tsp:	14.1	6.5	1.4	71.6	159	18.5	64.3	13.6	2.63	10.4	1.47	8.32	1.6	4.33	0.59	3.49	0.51	43.6	404
				D10-20	95-100	Tsp:	12.5	4	1.3	45.5	100	11.8	41.3	9.23	2.11	7.63	1.11	6.51	1.28	3.58	0.5	3.03	0.43	36.7	271
D11	242016	3781059	1448		0-5	Qal:																			0

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	30% Qal: ; 7-0% medium green brown ss and clay																			0
				D11-6	25-30	30% Qal: ; 7-0% medium green brown ss and clay	11.4	19	14.5	59.1	120	13.25	42.6	8.56	1.66	6.26	0.88	4.92	0.94	2.61	0.38	2.39	0.36	25.8	290
				D11-7	30-35	Tsp:	9.6	13.3	13.6	41	86.2	9.71	32	6.69	1.55	5.06	0.71	4.04	0.76	2.15	0.32	2	0.31	21.1	214
				D11-8	35-40	Tsp:	14.4	11.7	3.1	65.1	141	16.1	54.5	12	2.7	9.44	1.35	7.58	1.42	3.93	0.55	3.35	0.49	38.2	358
				D11-9	40-45	Tsp:	17.2	6.2	2.4	71.8	156.5	18.4	64.7	14.1	3.05	11.05	1.56	8.71	1.66	4.47	0.61	3.62	0.51	43.3	404
				D11-10	45-50	Tsp:	16	5.1	2.1	62.8	140	16.4	57.3	12.45	2.58	9.67	1.42	7.87	1.5	4.09	0.56	3.31	0.47	39.7	360
				D11-11	50-55	Tsp:	11.8	5.9	2.5	45.4	97.1	11.5	39.8	8.59	1.95	6.8	0.98	5.57	1.07	2.91	0.4	2.39	0.35	28.7	254
				D11-12	55-60	Tsp:	14.8	5.4	1.8	56.1	128	15.1	53.1	11.55	2.39	9.12	1.29	7.33	1.39	3.76	0.52	3.08	0.43	36.9	330
				D11-13	60-65	Tsp:	18.9	4.5	0.9	66.3	145.5	17.4	61.3	13.45	2.85	10.6	1.49	8.42	1.6	4.35	0.6	3.54	0.5	42.3	380
				D11-14	65-70	Tsp:	18.2	3.3	0.9	51.1	111.5	13.05	46.3	10.4	2.38	8.48	1.24	7.2	1.4	3.87	0.54	3.34	0.49	37.5	299
				D11-15	70-75	Tsp:	20.5	4.4	1	66.1	144.5	16.85	59.1	13.15	2.83	10.75	1.54	8.95	1.73	4.79	0.66	3.96	0.57	45.8	381
				D11-16	75-80	Tsp:	19.2	4.6	0.9	63.9	141	16.55	58.1	12.9	2.72	10.6	1.55	8.9	1.71	4.7	0.65	3.93	0.56	45.6	373
				D11-17	80-85	Tsp:	19	4.7	0.9	67.9	150.5	17.6	62.5	13.75	2.86	11.1	1.61	9.1	1.76	4.81	0.67	3.95	0.57	46.2	395
				D11-18	85-90	Tsp:	18.8	3.8	0.9	60.7	133.5	15.5	54.4	12.1	2.55	9.75	1.42	8.17	1.6	4.45	0.62	3.76	0.53	42.6	352
				D11-19	90-95	Tsp:	21.8	3.9	1	63.8	139	16.25	57.2	12.9	2.77	10.3	1.52	8.88	1.72	4.78	0.67	4.08	0.58	46.2	371
				D11-20	95-100	Tsp:	22	3.9	0.9	67.1	146	17.05	60.2	13.4	2.79	10.7	1.57	9.08	1.76	4.86	0.68	4.2	0.6	46.7	387
D12	242043	3781071	1445		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal: with medium green brown ss and clay																			0
					20-25	Qal: with medium green brown ss and clay																			0
					25-30	Qal: with medium green brown ss and clay																			0
				D12-7	30-35	Tc: medium brown ss and clay	7.8	10.8	6.9	35.3	74.2	8.26	27.3	5.75	1.41	4.38	0.62	3.53	0.67	1.88	0.28	1.78	0.27	18.5	184
				D12-8	35-40	Tc: medium brown and red ss and clay	10.2	10.7	6.3	34.7	79.8	9.77	36.8	6.68	1.5	5.81	0.85	4.28	0.82	2.33	0.32	2.04	0.3	24	210
				D12-9	40-45	Tsp:	14.2	4.6	2.8	39	90.4	11.55	45.1	8.48	1.92	7.84	1.15	5.83	1.13	3.13	0.42	2.59	0.37	32	251
				D12-10	45-50	Tsp:	14.7	4.7	2.4	47.8	112	14.5	56.1	10.4	2.09	9.48	1.38	7.04	1.36	3.68	0.5	2.92	0.41	37.6	307

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D12-11	50-55	Tsp:	16.3	4.1	1.6	44.6	102	13.05	50.6	9.46	2.01	8.48	1.23	6.17	1.2	3.32	0.44	2.63	0.37	35.1	281
				D12-12	55-60	Tsp:	16.5	3.8	1.1	47.9	110	14.15	55.2	10.3	2.22	9.33	1.37	6.9	1.34	3.69	0.49	3.02	0.43	38.5	305
				D12-13	60-65	Tsp:	15	3.6	0.8	48.8	116.5	15.4	61.6	11.55	2.41	10.4	1.51	7.59	1.46	3.98	0.53	3.19	0.46	40.4	326
				D12-14	65-70	Tsp:	16.1	3.9	0.9	54.3	129	16.8	67	12.45	2.75	11.55	1.63	8.18	1.56	4.23	0.56	3.34	0.47	43.2	357
				D12-15	70-75	Tsp:	15.2	4.3	1	48.9	112	14.1	54.3	10.25	2.27	9.34	1.35	6.93	1.36	3.73	0.51	3.04	0.44	38.7	307
				D12-16	75-80	Tsp:	19	3.9	0.9	54.3	120	15.2	58.8	11.1	2.49	9.8	1.45	7.49	1.45	4.07	0.55	3.41	0.5	44.4	335
				D12-17	80-85	Tsp:	17.1	2.8	0.6	46.5	106.5	13.7	54.5	10.55	2.31	9.88	1.47	7.65	1.52	4.2	0.58	3.53	0.54	42.8	306
				D12-18	85-90	Tsp:	16.5	3.1	0.6	48.8	111	14.25	55.8	10.7	2.32	10.15	1.51	7.77	1.54	4.29	0.59	3.66	0.54	43.6	317
				D12-19	90-95	Tsp:	17.3	3.5	0.6	53.9	124	15.55	60.5	11.45	2.49	11	1.62	8.35	1.66	4.61	0.64	3.94	0.6	46.9	347
				D12-20	95-100	Tsp:	17.6	3.7	0.6	57.2	132.5	16.35	63.7	12	2.64	11.3	1.67	8.7	1.72	4.84	0.67	4.2	0.63	49.6	368
D13	242069	3781083	1444		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
						60% Qal: 40%																			
				D13-4	15-20	Tsp?	12.7	6	1.6	32.5	71.1	8.67	32.6	5.79	1.51	5.09	0.74	3.73	0.74	2.08	0.3	1.84	0.28	22.6	190
				D13-5	20-25	Tsp:	13.6	5.7	1.3	39.9	87.3	10.6	39.2	6.61	1.77	5.54	0.77	3.89	0.76	2.12	0.29	1.84	0.28	22.6	223
				D13-6	25-30	Tsp:	11.1	6.2	1.3	43.9	100.5	12.6	48.2	8.3	2.1	6.52	0.87	4.2	0.8	2.2	0.3	1.83	0.27	23	256
				D13-7	30-35	Tsp:	13.1	5.9	1.2	47	107	13.5	51.8	8.95	2.24	7.61	1.03	5.06	0.97	2.7	0.37	2.27	0.34	27.1	278
				D13-8	35-40	Tsp:	15.6	5.1	1	53.3	124	15.65	60.3	11.1	2.36	9.73	1.42	7.17	1.4	3.89	0.53	3.31	0.49	39.5	334
				D13-9	40-45	Tsp:	17.4	4.7	0.9	61.3	142.5	17.8	68.5	12.55	2.61	11.7	1.71	8.72	1.7	4.71	0.65	4.06	0.61	47.9	387
				D13-10	45-50	Tsp:	19.3	4.4	0.6	65.5	153.5	18.8	73.7	13.9	2.8	13.1	1.91	9.79	1.96	5.42	0.75	4.67	0.7	54.9	421
				D13-11	50-55	Tsp:	20.7	4	0.6	65.5	152.5	19.15	74.3	14.15	2.87	13.8	2.01	10.35	2.03	5.66	0.78	4.77	0.72	55.6	424
				D13-12	55-60																				0
				D13-13	60-65																				0
				D13-14	65-70																				0
				D13-15	70-75																				0
				D13-16	75-80																				0
				D13-17	80-85																				0
				D13-18	85-90																				0
				D13-19	90-95																				0
				D13-20	95-100																				0
D14	242129	3781109	1456	D14-1	0-5	Tsp:	12.4	7.4	1.3	63.9	130	17	66.7	12.5	3.02	10.4	1.39	7.33	1.39	3.73	0.5	3.07	0.46	39.6	361
				D14-2	5-10	Tsp:	14.7	4.8	0.9	69.5	149	19.65	77.7	14.95	3.44	12.25	1.67	8.99	1.69	4.55	0.6	3.63	0.54	48.7	417
				D14-3	10-15	Tsp:	16.6	5.3	1.1	46.2	96.8	12.75	51.1	10	2.64	8.77	1.22	6.73	1.3	3.55	0.48	2.89	0.44	37.2	282
				D14-4	15-20	Tsp:	16.3	3.1	0.6	46.7	96.6	12.75	49.2	9.21	2.43	7.75	1.07	5.78	1.11	2.99	0.4	2.4	0.36	31	270
				D14-5	20-25	Tsp:	17.1	2.2	0.7	34.6	74	10.6	42.2	8.36	2.27	7.12	0.98	5.25	1	2.67	0.35	2.11	0.31	27.2	219
				D14-6	25-30	Tsp:	16.9	3.1	0.7	67.8	142	18.2	71.6	13.2	3.2	10.45	1.41	7.46	1.4	3.72	0.5	2.9	0.43	39.3	384
				D14-7	30-35	Tsp:	17.3	3.7	0.9	50.3	108	13.85	55	10.5	2.92	8.92	1.21	6.58	1.24	3.36	0.45	2.74	0.41	34.5	300
				D14-8	35-40	Tsp:	20.1	3.1	0.7	57	122.5	15.9	63.1	12.2	3.23	10.2	1.41	7.64	1.46	3.95	0.53	3.22	0.49	41.1	344
				D14-9	40-45	Tsp:	16.7	4.6	1	72.1	151.5	19.9	80.6	15.1	3.49	12.7	1.67	8.62	1.6	4.15	0.54	3.13	0.46	45.5	421
				D14-10	45-50	Tsp:	15.9	4.4	1	78.8	162	21.7	87	16.45	3.86	13.7	1.81	9.37	1.75	4.48	0.57	3.36	0.49	49.8	455
				D14-11	50-55	Tsp:	15.4	6.3	1.4	78.7	162	21.3	83.7	15.8	3.52	13	1.75	9.31	1.76	4.69	0.62	3.69	0.56	50.7	451
				D14-12	55-60	Tsp:	13.2	6.4	1.4	63.4	127.5	16.55	64.6	11.75	2.96	9.45	1.26	6.52	1.24	3.24	0.42	2.56	0.38	35	347
				D14-13	60-65	Tsp:	11.9	9.8	1.7	55.9	107	13.75	51.4	8.44	2.05	5.96	0.73	3.68	0.67	1.8	0.24	1.43	0.21	20.9	274
				D14-14	65-70	Tsp:	7	8.7	1.5	35.3	67.6	8.91	33	5.59	1.5	4.12	0.53	2.73	0.5	1.37	0.19	1.14	0.18	15.8	178
				D14-15	70-75	Tsp:	12.1	4.4	0.8	57.4	118	15.15	59.6	10.9	3	8.97	1.23	6.57	1.26	3.38	0.45	2.75	0.41	34.5	324
				D14-16	75-80	Tsp:	12.2	3.1	0.6	55.5	115	14.85	58.8	10.85	2.95	8.92	1.21	6.49	1.24	3.28	0.44	2.63	0.39	33.6	316
				D14-17	80-85	Tsp:	19	3.5	0.9	78.3	161	21	84	15.45	3.96	12.85	1.71	9.15	1.73	4.59	0.61	3.6	0.54	47.6	446

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D14-18	85-90	Tsp:	21.7	2.1	1.3	45.8	104.5	14.25	58.7	11.85	3.23	10.15	1.39	7.58	1.45	3.94	0.53	3.3	0.49	39.5	307
				D14-19	90-95	Tsp:	12.8	5.7	1.8	38.7	79.9	10.7	40.9	7.82	2.11	6.31	0.88	4.78	0.91	2.48	0.35	2.13	0.32	25.9	224
				D14-20	95-100	Tsp:	4.8	8.9	1.3	18.1	35.5	4.64	16.9	3.1	0.89	2.59	0.37	2.11	0.41	1.19	0.17	1.08	0.17	12.5	100
D15	242154	3781122	1458	D15-1	0-5	Tsp:	17.1	5.9	1.2	71.9	142	19.1	75.5	14.2	3.44	11.65	1.59	8.48	1.61	4.26	0.57	3.39	0.5	44.8	403
				D15-2	5-10	Tsp:	11.8	3.9	0.9	55.6	114	14.65	58.2	11.1	3.03	9.08	1.26	6.75	1.29	3.48	0.46	2.82	0.43	35.8	318
				D15-3	10-15	Tsp:	13.4	3	0.7	58.3	130	15.2	61.3	11.85	3.36	10.25	1.41	7.65	1.47	3.98	0.53	3.16	0.47	38.3	347
				D15-4	15-20	Tsp:																			0
				D15-5	20-25	Tsp:	12.3	3.4	0.7	55.5	120	13.75	54.8	10.4	3.01	8.93	1.2	6.48	1.23	3.23	0.43	2.5	0.38	31.8	314
				D15-6	25-30	Tsp:	15.2	4.3	0.8	66.7	143	16.45	64.6	12.25	3.29	10.6	1.45	7.9	1.52	4.08	0.55	3.29	0.49	40.1	376
				D15-7	30-35	Tsp:	15.1	4.3	1	61.5	132.5	15.2	60.1	11.45	3.1	9.88	1.33	7.26	1.39	3.73	0.5	2.97	0.44	36.9	348
				D15-8	35-40	Tsp:	17.8	3.4	0.8	61.6	132	15.4	61.6	11.5	3.02	9.71	1.31	7.13	1.36	3.64	0.48	2.84	0.42	35.4	347
				D15-9	40-45	Tsp:	16.8	3.9	0.8	74	161	18.65	74.2	13.9	3.52	11.7	1.58	8.54	1.62	4.31	0.57	3.38	0.5	42.2	420
				D15-10	45-50	Tsp:	19.1	2.8	0.6	61.7	145.5	17.15	70.2	13.85	3.46	12.05	1.64	8.97	1.72	4.6	0.61	3.62	0.54	45.1	391
				D15-11	50-55	Tsp:	17	4.1	1.2	63	144	16.6	66.2	12.55	3.21	10.75	1.46	8	1.52	4.11	0.54	3.21	0.48	38.8	374
				D15-12	55-60	Tsp:	16.2	4.3	1	63.2	143	16.4	65.5	12.45	3.24	10.5	1.42	7.68	1.46	3.9	0.52	3.11	0.46	38.3	371
				D15-13	60-65	Tsp:	14	4.1	1	52.2	119	14	56.7	11	2.91	9.5	1.29	7	1.34	3.6	0.47	2.86	0.42	33.8	316
				D15-14	65-70	Tsp:	14.2	3.4	0.7	55.7	119	13.5	53.7	10.15	2.88	8.82	1.2	6.56	1.24	3.35	0.44	2.64	0.4	32.1	312
				D15-15	70-75	Tsp:	17.9	3.9	0.7	64	142.5	16.4	64.9	12.45	3.02	10.95	1.48	7.98	1.53	4.12	0.55	3.25	0.48	39.8	373
				D15-16	75-80	Tsp:	17.1	4.3	0.7	80.2	180.5	20.7	82	15.4	3.6	12.95	1.76	9.52	1.81	4.81	0.64	3.76	0.57	46.4	465
				D15-17	80-85	Tsp:	16.6	4.6	1	83.5	181.5	20.8	82.6	15.4	3.68	13.2	1.76	9.55	1.8	4.77	0.63	3.74	0.56	48.2	472
				D15-18	85-90																				0
				D15-19	90-95																				0
				D15-20	95-100																				0
D16	242184	3781137	1455	D16-1	0-5	Tsp:	16.3	4.5	1	79.6	164.5	19.25	75.7	14.2	3.38	11.95	1.6	8.67	1.64	4.38	0.58	3.41	0.51	44.3	434
				D16-2	5-10	Tsp:	15.8	3.3	0.6	63.1	140.5	16.25	64.9	12.3	3.07	10.4	1.41	7.75	1.48	3.98	0.54	3.14	0.47	39.1	368
				D16-3	10-15	Tsp:	12.1	4.5	0.9	57.7	124.5	14.05	55.6	10.4	2.86	8.75	1.2	6.5	1.26	3.38	0.45	2.67	0.4	32.1	322
				D16-4	15-20	Tsp:	16.5	3.7	0.7	76.9	170	19.45	77.7	14.55	4.01	12.2	1.65	8.9	1.69	4.51	0.6	3.57	0.53	43.6	440
				D16-5	20-25	Tsp:	17.6	4.2	0.9	85.3	188	22	88.1	16.5	3.91	13.65	1.86	10.1	1.93	5.1	0.67	3.93	0.6	49.6	491
				D16-6	25-30	Tsp:	16.1	3.7	0.7	83.5	180.5	20.9	83.8	15.5	4	12.9	1.73	9.32	1.75	4.66	0.6	3.59	0.54	45.6	469
				D16-7	30-35	Tsp:	14.6	3.4	0.8	66.2	149	16.75	66.8	12.7	3.37	10.85	1.47	7.97	1.52	4.06	0.54	3.17	0.48	38.9	384
				D16-8	35-40	Tsp:	18.5	5.2	1.2	83.5	189	21.8	86.9	16.25	3.58	13.55	1.81	9.73	1.85	4.91	0.65	3.82	0.56	49	487
				D16-9	40-45	Tsp:	21	3	0.7	60.4	129.5	15.05	60.2	11.45	3.16	9.7	1.31	7.16	1.37	3.7	0.48	2.89	0.43	36.7	344
				D16-10	45-50	Tsp:	15	4.4	0.8	65.7	146.5	16.9	67.6	12.8	3.18	10.5	1.43	7.81	1.48	3.95	0.53	3.14	0.46	38.5	380
				D16-11	50-55	Tsp:	6.6	6.9	1.5	36.2	76.6	9.01	33.7	6.22	1.76	5.13	0.72	3.97	0.76	2.05	0.29	1.76	0.27	20.3	199
				D16-12	55-60	Tsp:	4.3	9	1.4	23.2	45.6	5	17.7	3.11	0.81	2.59	0.37	2.15	0.42	1.2	0.17	1.12	0.17	12.2	116
				D16-13	60-65	Tsp:	5.9	9.3	1.9	25.2	48	5.59	20.4	3.67	1.01	3.12	0.43	2.44	0.48	1.33	0.19	1.17	0.18	13.8	127
				D16-14	65-70	Tsp:	6.1	9	1.7	25.2	52.9	6.09	22.1	3.96	1.15	3.37	0.49	2.76	0.55	1.53	0.22	1.42	0.22	14.6	137
				D16-15	70-75	Tsp:	14	7.5	1.2	84.1	187	20.6	79.8	14.4	3.29	11.5	1.55	8.3	1.57	4.1	0.54	3.23	0.48	40.6	461
				D16-16	75-80	Tsp:	13	6.5	1	74.4	157.5	17.55	68.4	12.45	3.13	10.45	1.41	7.67	1.45	3.89	0.51	3.08	0.46	37.8	400
				D16-17	80-85	Tsp:	14.4	5.1	1.2	45.8	104	12.35	48	9.18	2.42	7.87	1.08	5.97	1.15	3.12	0.42	2.56	0.38	29.9	274
				D16-18	85-90	Tsp:	12	3.2	0.8	39	85.3	10.1	39.2	7.54	2.13	6.44	0.9	4.97	0.95	2.53	0.34	1.94	0.29	24.5	226
				D16-19	90-95	Tsp:	16.7	3.7	0.8	70.5	161	18.95	77.5	15	3.72	13	1.8	10.1	1.94	5.23	0.72	4.36	0.64	49.5	434
				D16-20	95-100	Tsp:	16.8	3.1	0.8	65	150.5	17.3	70.3	13.9	3.68	11.8	1.65	9.1	1.77	4.77	0.65	3.95	0.6	46.2	401
D17	242210	3781153	1462	D17-1	0-5	Tsp:	16.1	5	0.9	78.5	157	18.75	73	13.85	3.37	11.4	1.55	8.31	1.59	4.28	0.53	3.13	0.47	42.4	418
				D17-2	5-10	Tsp:	16.4	2.4	0.5	59.4	131	16.5	65.1	13.5	3.54	11.25	1.62	8.92	1.74	4.61	0.59	3.4	0.52	44	366
				D17-3	10-15	Tsp:	16.9	2.7	0.8	76.7	155.5	19.15	75.2	14.9	3.84	12.7	1.78	9.57	1.85	4.88	0.62	3.51	0.53	47.3	428
				D17-4	15-20	Tsp:	19	2.6	0.8	42	86.3	11.15	43.6	8.99	2.47	7.94	1.12	6.17	1.22	3.24	0.42	2.4	0.37	31.9	249
				D17-5	20-25	Tsp:	19.5	2.5	0.7	57	121	15.15	58.8	11.8	3.22	9.96	1.42	7.75	1.48	3.93	0.5	2.88	0.44	38	333

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D17-6	25-30	Tsp:	16.4	3.3	0.7	61.6	131.5	15.85	60.5	12	3.27	9.96	1.42	7.7	1.49	4	0.52	3	0.45	38.4	352
				D17-7	30-35	Tsp:	19.4	2.3	0.6	41.1	77.6	10.35	40.1	8.04	2.24	7.13	1	5.57	1.07	2.87	0.37	2.14	0.32	29.2	229
				D17-8	35-40	Tsp:	22.3	2.4	0.5	57.7	125	15.8	62.4	13	3.37	11.05	1.57	8.54	1.64	4.35	0.55	3.14	0.47	42.4	351
				D17-9	40-45	Tsp:	19	3	0.6	70.1	153	18.4	74.2	14.95	3.72	12.6	1.78	9.66	1.85	4.91	0.62	3.53	0.53	48	418
				D17-10	45-50	Tsp:	7.3	5.8	1.1	38.3	74.9	8.91	32.6	6.17	1.65	5.16	0.73	4.02	0.77	2.08	0.27	1.59	0.24	21	198
				D17-11	50-55	Tsp:	12.4	4.7	1	50.8	107	13.2	50.3	10	2.56	8.55	1.22	6.59	1.27	3.39	0.44	2.54	0.39	32.7	291
				D17-12	55-60	Tsp:	9.9	4.7	1.3	43.6	98.6	11.6	46	8.51	2.3	6.81	1.07	5.41	1.08	2.88	0.37	2.09	0.35	28.7	259
				D17-13	60-65	Tsp:	11.3	4.6	1.2	35.4	79.1	9.29	37.1	6.94	1.8	5.76	0.9	4.5	0.91	2.39	0.31	1.79	0.28	23.4	210
				D17-14	65-70	Tsp:	13.5	5	1.1	52.9	121	13.15	57	10.7	2.58	9.15	1.38	6.98	1.38	3.67	0.47	2.66	0.42	35.8	319
				D17-15	70-75	Tsp:	8	6.4	1.2	36.5	77.8	8.93	34.2	6.1	1.7	4.89	0.76	3.92	0.78	2.1	0.29	1.6	0.27	21.4	201
				D17-16	75-80	Tsp:	11.1	3.4	0.9	43.4	94.5	11.15	43.9	7.95	2.05	6.71	1	4.98	1.01	2.64	0.34	1.91	0.31	25.8	248
				D17-17	80-85	Tsp:	14.8	2.9	1	45.8	106.5	11.5	49.8	9.28	2.78	8.47	1.28	6.52	1.31	3.48	0.46	2.62	0.42	31.9	282
				D17-18	85-90	Tsp:	6.7	7.8	1.4	27.3	56.9	6.51	25	4.46	1.36	3.68	0.56	2.84	0.58	1.57	0.21	1.18	0.2	16.3	149
					90-95	Tsp:																			0
					95-100	Tsp:																			0
D18	242237	3781166	1469	D18-1	0-5	Tsp:	12.6	5.4	2.4	60.6	120.5	13.6	56.9	9.96	2.53	8.68	1.25	6.19	1.22	3.38	0.44	2.38	0.39	34	322
				D18-2	5-10	Tsp:	14.5	4.2	1	68.3	151	16.8	73.3	13.7	3.5	12	1.8	9.18	1.84	4.92	0.63	3.46	0.55	47.7	409
				D18-3	10-15	Tsp:	16.1	2.7	0.6	60.5	139	15.65	68.4	13.15	3.89	12.2	1.82	9.3	1.87	4.97	0.64	3.55	0.57	47	383
				D18-4	15-20	Tsp:																			0
				D18-5	20-25	Tsp:	19	2.5	0.5	52.5	124.5	13.9	62.8	12.45	3.38	11.95	1.77	8.87	1.78	4.71	0.59	3.23	0.51	44.6	348
				D18-6	25-30	Tsp:	16.1	2.8	0.6	55.8	132	14.9	65.9	12.7	3.53	11.8	1.8	9	1.77	4.77	0.61	3.31	0.52	44.7	363
				D18-7	30-35	Tsp:	8.7	5.5	1	37.1	83.3	9.83	38.8	7.31	2.01	6.22	0.95	4.96	1	2.7	0.36	1.97	0.32	26.3	223
				D18-8	35-40	Tsp:	12.8	3.8	0.8	61.7	140	15.15	64.9	12.05	3.22	10.6	1.59	8.01	1.59	4.25	0.56	3.04	0.5	40.2	367
				D18-9	40-45	Tsp:	5.7	8.2	1.4	30.6	64	7.33	27.8	5.07	1.56	4.12	0.66	3.39	0.7	1.88	0.25	1.47	0.24	18.6	168
				D18-10	45-50	Tsp:	6.9	6.2	1.4	29.3	60.2	6.76	25.1	4.45	1.39	3.62	0.57	2.87	0.57	1.55	0.21	1.19	0.2	15.1	153
				D18-11	50-55	Tsp:	13.7	4.7	1.3	50.3	109	11.8	50.4	9.31	2.5	8.11	1.2	5.98	1.19	3.16	0.4	2.19	0.34	30.3	286
				D18-12	55-60	Tsp:	17.3	5	1.1	70	157.5	17.15	73.3	13.85	3.49	12.5	1.85	9.18	1.81	4.8	0.61	3.37	0.55	46	416
				D18-13	60-65	Tsp:	11.3	5.1	1	55.5	121.5	13.05	55.6	10.05	2.88	8.68	1.29	6.42	1.28	3.38	0.44	2.43	0.4	33	316
				D18-14	65-70	Tsp:	18.5	2.1	0.7	31.5	71.7	8.62	35.6	7.09	2.34	7.25	1.13	5.86	1.18	3.27	0.41	2.3	0.37	30.6	209
				D18-15	70-75	Tsp:	9.8	4.4	0.9	33.2	75.3	8.89	35.1	6.74	2.14	5.99	0.93	4.71	0.93	2.49	0.33	1.87	0.31	24.2	203
				D18-16	75-80	Tsp:	4.4	8.3	1.7	23.6	45.2	4.96	17.9	3.07	1.04	2.42	0.37	1.93	0.4	1.08	0.15	0.94	0.16	12.3	116
				D18-17	80-85	Tsp:	3.7	7.3	1.9	22.3	43.8	4.8	17.3	3	1.04	2.28	0.35	1.81	0.36	0.98	0.14	0.79	0.14	11.4	110
				D18-18	85-90	Tsp:	3.7	6.3	1.3	25.2	48	5.16	18.2	3.05	1.04	2.27	0.35	1.81	0.36	0.98	0.13	0.81	0.14	11.5	119
				D18-19	90-95	Tsp:	3.7	7.1	1.5	26.7	51.6	5.43	19.3	3.17	1.08	2.28	0.36	1.82	0.37	1.02	0.14	0.85	0.15	11.7	126
				D18-20	95-100	Tsp:	4.5	8	1.6	28	55.1	5.86	20.9	3.45	1.16	2.64	0.4	2.09	0.42	1.15	0.16	0.98	0.17	12.5	135
D19	242263	3781183	1461	D19-1	0-5	Tsp:	14.5	2.9	0.5	55.9	132.5	17.1	67.6	12.5	3.41	11.3	1.61	8.02	1.55	4.27	0.57	3.49	0.53	42.3	363
				D19-2	5-10	Tsp:	15.4	2.3	0.5	54.6	135.5	17.4	69.3	13	3.51	11.55	1.65	8.36	1.61	4.42	0.59	3.61	0.54	43.2	369
				D19-3	10-15	Tsp:	14.3	3	0.6	52.2	127.5	16.35	64.8	12.05	3.21	10.7	1.54	7.79	1.49	4.12	0.56	3.33	0.51	40.2	346
				D19-4	15-20	Tsp:	15.3	3.4	0.9	56.5	133.5	17	66.8	12.3	3.06	10.9	1.56	7.89	1.51	4.19	0.57	3.44	0.52	41.3	361
				D19-5	20-25	Tsp:	16.6	2.5	0.8	37.2	96.5	12.9	53.3	10.55	2.48	9.77	1.42	7.2	1.41	3.83	0.52	3.1	0.46	37.6	278
				D19-6	25-30	Tsp:	11	4.6	1.3	35.5	85.5	11.15	44.3	8.31	2.06	7.88	1.13	5.63	1.08	3	0.39	2.36	0.35	30.4	239
				D19-7	30-35	Tsp:	5.1	6.8	1.2	23.7	51.1	6.32	23.8	4.28	1.26	3.9	0.57	2.81	0.55	1.51	0.21	1.29	0.21	16.5	138
				D19-8	35-40	Tsp:	3.4	9	1.4	19.3	37.9	4.34	15	2.47	0.72	2.31	0.34	1.76	0.35	1.01	0.15	0.97	0.15	11.1	98
				D19-9	40-45	Tsp:	9.3	5.6	1.6	25.1	56.1	7.16	27.6	5.05	1.42	4.81	0.69	3.47	0.66	1.84	0.25	1.54	0.23	17.9	154
				D19-10	45-50	Tsp:	12.4	4.9	1.2	35.2	79.5	9.39	36.4	7.11	2.08	6.14	0.89	4.64	0.93	2.36	0.35	1.92	0.3	22.3	210
				D19-11	50-55	Tsp:	13	5.4	1.9	50	108.5	12.6	48.7	9.23	2.58	7.73	1.08	5.56	1.11	2.74	0.39	2.15	0.32	27.8	280
				D19-12	55-60	Tsp:	5.5	6.6	1.2	25.6	51.4	5.64	20.3	3.62	1.12	2.86	0.4	2.07	0.41	1.01	0.15	0.87	0.13	11.2	127
				D19-13	60-65	Tsp:	4.4	9	1.7	25.6	48.6	5.18	17.9	3.07	1.02	2.51	0.36	1.89	0.39	0.99	0.16	0.91	0.14	10.7	119

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D19-14	65-70	Tsp:	4.7	10.4	1.6	27	51.1	5.41	18.6	3.15	0.97	2.47	0.35	1.82	0.36	0.94	0.14	0.84	0.13	10.4	124
				D19-15	70-75	Tsp:	3.5	8.4	1.4	25.9	48.3	5.06	17.2	2.93	0.93	2.36	0.33	1.72	0.35	0.9	0.14	0.82	0.13	10.1	117
				D19-16	75-80	Tsp:	3.8	9.1	1.6	24.3	45.5	4.77	16.1	2.72	0.92	2.23	0.32	1.7	0.34	0.9	0.14	0.83	0.14	9.9	111
				D19-17	80-85	Tsp:	3.6	11.1	2.3	23.7	45.2	4.74	16.1	2.81	0.88	2.18	0.32	1.72	0.35	0.94	0.15	0.9	0.14	10.4	111
				D19-18	85-90	Tsp:	7.6	7.6	1.7	24.6	48.8	5.35	19.1	3.39	1.09	2.95	0.44	2.38	0.49	1.28	0.2	1.12	0.18	13.6	125
				D19-19	90-95	Tsp:	3.9	9.1	1.4	25.3	48.2	5.1	17.6	3.02	0.94	2.39	0.35	1.85	0.38	0.99	0.16	0.91	0.15	10.7	118
				D19-20	95-100	Tsp:	3.5	9	1.6	23.9	45.4	4.8	16.4	2.83	0.86	2.28	0.34	1.78	0.36	0.93	0.14	0.84	0.14	10.1	111
D20	242290	3781197	1453	D20-1	0-5	Tsp:	20.8	5.1	0.7	63.8	138.5	15.45	61.5	12.2	2.85	11	1.62	8.63	1.74	4.49	0.68	3.64	0.54	42.2	369
				D20-2	5-10	Tsp:	20.2	4	0.6	56.6	126.5	14.65	57.1	11.25	2.83	10.3	1.5	7.94	1.64	4.16	0.61	3.29	0.49	37.8	337
				D20-3	10-15	Tsp:	16.5	2.5	0.5	52.9	119.5	13.95	55.5	10.95	3.61	10.2	1.46	7.54	1.52	3.82	0.56	2.98	0.46	34.3	319
				D20-4	15-20	Tsp:	18.9	3.1	0.5	63.5	141.5	16.25	63.8	12.45	3.54	11.25	1.61	8.38	1.67	4.15	0.61	3.22	0.48	39.7	372
				D20-5	20-25	Tsp:	16.1	3	0.6	67.1	147	16.6	67.8	13.05	3.77	11.8	1.61	8.14	1.59	3.91	0.56	2.95	0.46	38.4	385
				D20-6	25-30	Tsp:	17.5	3.2	0.6	66.4	151.5	16.85	68.7	13.3	3.88	11.85	1.66	8.57	1.69	4.15	0.6	3.18	0.48	39.2	392
				D20-7	30-35	Tsp:	16.3	3.8	0.6	62	140.5	16.1	63.1	12.1	3.41	10.75	1.51	7.75	1.55	3.79	0.54	2.92	0.44	36.4	363
				D20-8	35-40	Tsp:	16.5	5.1	1.3	57.4	122.5	14.25	55.7	10.55	2.7	9.47	1.31	6.67	1.33	3.27	0.47	2.51	0.37	32.2	321
				D20-9	40-45	Tsp:	5	9.8	1.7	27.9	54.4	5.81	20.6	3.55	1.13	2.99	0.42	2.15	0.43	1.08	0.17	0.93	0.15	11.5	133
				D20-10	45-50	Tsp:	4.3	9.9	2.4	26	49.6	5.18	17.9	3.05	0.95	2.56	0.37	1.94	0.4	1.06	0.17	1.02	0.16	11.5	122
				D20-11	50-55	Tsp:	3.5	12	2.2	23.2	43.7	4.5	15.2	2.58	0.83	2.1	0.31	1.64	0.34	0.93	0.16	0.97	0.16	10.3	107
				D20-12	55-60	Tsp:	3.4	10.7	2.3	20	42.7	4.79	16.2	2.81	1.08	2.23	0.33	1.84	0.38	1.08	0.16	1.05	0.18	11.1	106
				D20-13	60-65	Tsp:	3.3	11	2	20.9	43.7	4.87	16.7	2.91	1.06	2.18	0.32	1.81	0.36	1.02	0.16	0.98	0.16	10.8	108
				D20-14	65-70	Tsp:	3.6	10.8	2	24.5	47.3	5.2	17.5	2.95	1.03	2.31	0.34	1.97	0.39	1.09	0.16	1.02	0.17	11.8	118
				D20-15	70-75	Tsp:	4.2	10.1	1.8	25.4	54.3	5.99	20.5	3.54	1.25	2.79	0.42	2.33	0.46	1.3	0.19	1.16	0.19	13.4	133
				D20-16	75-80	Tsp:	4	8.5	1.6	26.8	55.9	6.23	20.9	3.66	1.32	2.86	0.43	2.36	0.46	1.29	0.19	1.15	0.19	13.3	137
				D20-17	80-85	Tsp:	4.1	10.1	1.8	26.1	55.7	6.16	21	3.71	1.3	3.04	0.44	2.43	0.48	1.34	0.2	1.17	0.19	13.8	137
				D20-18	85-90	Tsp:	4.3	10.4	1.7	28.4	59.8	6.67	22.9	3.98	1.3	3.09	0.46	2.56	0.51	1.4	0.21	1.24	0.2	14.8	148
				D20-19	90-95	Tsp:	4.7	10.3	1.8	26.6	57.4	6.34	21.8	3.84	1.22	3.02	0.46	2.49	0.51	1.39	0.21	1.24	0.2	14.8	142
				D20-20	95-100	Tsp:	4.4	8.9	1.9	27	56.7	6.38	21.6	3.76	1.31	3.06	0.44	2.44	0.49	1.32	0.2	1.16	0.2	13.7	140
D21	242317	3781211	1451	D21-1	0-5	Tsp:	15.9	4.7	0.7	64.1	149.5	18.35	70.3	13.6	3.1	11.35	1.64	8.78	1.7	4.55	0.61	3.37	0.51	40.6	392
				D21-2	5-10	Tsp:	17.1	4.7	0.6	55.8	133.5	16	60.9	11.8	2.88	10.1	1.48	8.08	1.6	4.36	0.6	3.41	0.52	36.9	348
				D21-3	10-15	Tsp:	18.1	4.5	0.5	53.3	127	15.1	58.6	11.8	2.8	10.4	1.54	8.68	1.75	4.75	0.67	3.78	0.57	41	342
				D21-4	15-20	Tsp:	17.9	4.4	0.5	55.1	132.5	15.9	60.5	11.95	2.74	10	1.5	8.48	1.68	4.61	0.63	3.52	0.53	39.9	350
				D21-5	20-25	Tsp:	18.2	3.7	0.7	56.4	134	16.5	64.4	12.65	2.8	10.6	1.53	8.59	1.65	4.45	0.6	3.29	0.5	38.1	356
				D21-6	25-30	Tsp:	22.4	2.6	0.5	29.4	71.1	8.86	35.3	7.47	1.96	6.7	1	5.58	1.12	3.13	0.43	2.42	0.36	29.6	204
				D21-7	30-35	Tsp:	18.1	3	0.6	55.3	127.5	15.6	60.2	11.5	2.85	9.75	1.43	7.82	1.55	4.26	0.54	3.2	0.49	41	343
				D21-8	35-40	Tsp:	16.8	2.5	0.4	40.6	93.9	11.75	45.5	8.86	2.35	7.54	1.13	6.25	1.24	3.47	0.44	2.68	0.41	33.2	259
				D21-9	40-45	Tsp:	16.6	3.2	0.6	66.1	152.5	18.65	71.6	13.45	3.66	11.25	1.61	8.73	1.72	4.77	0.6	3.55	0.54	45.2	404
				D21-10	45-50	Tsp:	14.2	2.6	0.7	44	108.5	13.35	52	10.15	2.82	8.76	1.3	7.1	1.43	3.92	0.5	2.96	0.46	35.5	293
				D21-11	50-55	Tsp:	12.7	3.4	1	50.7	112.5	13.9	51.5	9.4	2.68	7.67	1.13	6.17	1.21	3.44	0.45	2.69	0.41	32.7	297
				D21-12	55-60	Tsp:	12.8	3.5	1	49.2	112.5	13.7	51.8	9.75	2.79	8.03	1.18	6.39	1.27	3.5	0.45	2.71	0.42	32.5	296
				D21-13	60-65	Tsp:	4.9	7.3	2.3	26.1	51.2	5.82	21.2	3.55	1.16	2.9	0.41	2.25	0.46	1.28	0.17	1.07	0.17	13.9	132
				D21-14	65-70	Tsp:	3.6	9	2.3	21.4	40.8	4.55	15.7	2.58	0.98	2.17	0.32	1.76	0.36	1.07	0.15	0.99	0.16	11.4	104
				D21-15	70-75	Tsp:	3.8	7.7	1.7	23.7	45.7	5.05	17.7	2.94	0.96	2.47	0.36	1.96	0.4	1.18	0.17	1.06	0.17	13	117
				D21-16	75-80	Tsp:	4.1	9	1.8	23.1	45.7	4.94	17.4	2.9	0.94	2.53	0.37	2.05	0.41	1.21	0.17	1.07	0.17	13	116
				D21-17	80-85	Tsp:	4.3	8.6	1.9	30.9	60.4	6.47	23	3.86	1.16	3.24	0.46	2.49	0.5	1.4	0.18	1.16	0.18	15.1	151
				D21-18	85-90	Tsp:	4.9	7.3	1.6	28.1	57.4	6.44	23.2	4.07	1.3	3.64	0.51	2.75	0.54	1.52	0.2	1.23	0.2	16.1	147
				D21-19	90-95	Tsp:	4.2	6.9	1.4	28.5	55.7	5.92	20.8	3.47	1.13	2.87	0.41	2.3	0.45	1.32	0.18	1.09	0.16	13.8	138
				D21-20	95-100	Tsp:	4.4	9.2	1.8	31.3	61.8	6.7	23.6	3.95	1.27	3.32	0.47	2.56	0.5	1.42	0.19	1.2	0.19	15.1	154
D22	242342	3781224	1453	D22-1	0-5	Tsp:	16.6	4.6	0.8	63.3	135	16.35	61.1	11.6	2.65	10.65	1.55	8.49	1.7	4.72	0.61	3.64	0.55	44.6	367

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D22-2	5-10	Tsp:	15.6	4.1	0.7	68.6	159.5	19.65	74.5	14.25	2.96	12.3	1.73	9.16	1.78	4.92	0.6	3.44	0.52	46.9	421
				D22-3	10-15	Tsp:	20.6	4	0.8	65	145.5	17.85	67.3	13.1	2.98	12	1.77	9.74	1.94	5.43	0.68	4.05	0.61	50.4	398
				D22-4	15-20	Tsp:	16.9	5.5	0.9	55.7	134	16.35	62.4	11.9	2.74	10.5	1.53	8.31	1.61	4.48	0.56	3.27	0.49	41.5	355
				D22-5	20-25	Tsp:	21.4	3.4	0.6	49.7	109	13.45	51.1	9.95	2.5	9.17	1.34	7.51	1.51	4.33	0.54	3.26	0.49	40	304
				D22-6	25-30	Tsp:	15.5	3.6	0.6	49.7	111.5	13.2	48.8	9.21	2.28	8.61	1.29	7.25	1.47	4.19	0.54	3.29	0.5	38	300
				D22-7	30-35	Tsp:	13.6	3	0.9	47.5	110.5	13.5	51.2	9.71	2.68	8.73	1.25	6.8	1.34	3.72	0.48	2.84	0.43	34.4	295
				D22-8	35-40	Tsp:	16.4	2.6	0.5	66.4	152.5	18.6	70.4	13.4	3.94	11.85	1.7	9.03	1.77	4.88	0.59	3.54	0.55	44.5	404
				D22-9	40-45	Tsp:	15.7	3.1	0.5	59.7	137.5	16.85	64	11.85	3.14	10.45	1.48	7.87	1.52	4.21	0.52	3.05	0.46	39.6	362
				D22-10	45-50	Tsp:	14.6	3.1	0.6	56.8	132	16.2	61.3	11.65	3.31	10.25	1.46	7.86	1.54	4.27	0.54	3.14	0.49	38.9	350
				D22-11	50-55	Tsp:	16.4	3	0.9	59.6	146	17.5	67.4	13.05	3.36	11.25	1.61	8.57	1.7	4.67	0.58	3.33	0.51	43	382
				D22-12	55-60	Tsp:	9.4	5	1.2	34	78.7	9.48	36.5	6.76	1.81	5.88	0.85	4.53	0.89	2.49	0.31	1.89	0.28	24.2	209
				D22-13	60-65	Tsp:	11.1	4	1.5	38.3	92.4	11.8	45.4	8.59	2.33	7.62	1.11	6.05	1.21	3.33	0.42	2.51	0.39	29.9	251
				D22-14	65-70	Tsp:	12.1	5.1	2.1	45	103.5	12.6	47.7	8.63	2.34	7.42	1.05	5.59	1.1	3.03	0.38	2.25	0.34	28.7	270
				D22-15	70-75	Tsp:	4.3	7.2	1.7	24	47.2	5.34	18.9	3.14	0.94	2.69	0.39	2.1	0.42	1.19	0.16	0.99	0.16	12.9	121
				D22-16	75-80	Tsp:	3.5	6.9	1.4	21.1	41.8	4.7	16.7	2.82	0.88	2.41	0.35	1.95	0.39	1.12	0.15	0.92	0.15	11.8	107
				D22-17	80-85	Tsp:	3.6	8.3	1.6	20	38.9	4.4	15.5	2.59	0.84	2.19	0.32	1.73	0.34	0.97	0.13	0.8	0.13	10.6	99
				D22-18	85-90	Tsp:	5	7.4	1.4	21.4	44.6	5.22	19	3.37	1.12	3.01	0.44	2.42	0.48	1.35	0.17	1.04	0.17	14	118
				D22-19	90-95	Tsp:	4.3	6.8	1.4	21.3	43.6	4.95	17.9	3.15	1.12	2.76	0.41	2.18	0.43	1.25	0.17	1.03	0.16	12.9	113
				D22-20	95-100	Tsp:	4.7	8.1	1.6	34.9	68	7.36	26.3	4.48	1.42	3.52	0.51	2.91	0.53	1.41	0.2	1.16	0.18	15.4	168
D23	242370	3781242	1452	D23-1	0-5	Tsp:	15.8	7.7	1.5	70.4	166	19.45	71.9	13.45	2.54	11.2	1.66	9.86	1.77	4.9	0.67	3.73	0.51	44.8	423
				D23-2	5-10	Tsp:	15.9	6.8	1.2	72.5	168	19.6	74.1	14.1	2.68	11.9	1.72	9.86	1.74	4.59	0.61	3.32	0.46	43.6	429
				D23-3	10-15	Tsp:	17.2	6.3	0.9	76.2	177.5	20.2	79.2	14.95	3.27	12.85	1.83	10.65	1.89	5.12	0.68	3.73	0.54	46.7	455
				D23-4	15-20	Tsp:	19.9	4.6	0.7	75.7	171	19.95	73.7	14	3.09	11.95	1.83	10.95	2.01	5.61	0.79	4.54	0.67	51.6	447
				D23-5	20-25	Tsp:	22.1	4.7	0.6	72.7	161.5	18.8	69.3	13.15	2.92	11.35	1.71	10.3	1.89	5.38	0.75	4.26	0.63	49.9	425
				D23-6	25-30	Tsp:	17.4	5	0.7	71.9	167.5	19.8	74.8	14.2	3.41	12.1	1.76	10.3	1.85	5.07	0.68	3.8	0.56	46	434
				D23-7	30-35	Tsp:	16.8	4.8	0.7	61.9	148.5	17.7	67	12.75	2.95	10.9	1.58	9.32	1.68	4.59	0.63	3.52	0.52	42.3	386
				D23-8	35-40	Tsp:	18.9	4.2	0.7	80.1	185	21.5	80.1	15.05	3.4	12.9	1.9	11.3	2.03	5.54	0.76	4.29	0.64	51.1	476
				D23-9	40-45	Tsp:	18.8	4.4	0.7	76	179.5	20.8	78.6	14.9	3.67	12.55	1.84	10.8	1.94	5.32	0.72	4.03	0.59	48.9	460
				D23-10	45-50	Tsp:	22.2	1.9	0.8	30.4	68.8	8.47	35	7.12	2.04	6.51	0.95	5.72	1.03	2.84	0.39	2.19	0.32	26	198
				D23-11	50-55	Tsp:	21.3	2.4	0.6	35.9	80.9	9.56	39.1	7.72	2.19	7.18	1.02	6.08	1.09	3	0.4	2.31	0.34	27.8	225
				D23-12	55-60	Tsp:	15.5	3.1	0.8	50.1	109	13.4	50.8	9.53	2.45	8.37	1.21	7.02	1.27	3.47	0.47	2.64	0.38	32.6	293
				D23-13	60-65	Tsp:	13.8	2.8	0.8	45.1	98.1	12	45.3	8.56	2.26	7.65	1.12	6.57	1.19	3.33	0.45	2.59	0.38	30.9	266
				D23-14	65-70	Tsp:	13.6	3.6	0.9	47.6	112.5	13.55	51.1	9.61	2.64	8.2	1.2	7.03	1.26	3.49	0.48	2.74	0.42	32.3	294
				D23-15	70-75	Tsp:	13.5	3.8	1	41.3	96	11.8	45.9	8.79	2.38	7.7	1.13	6.61	1.2	3.31	0.45	2.59	0.38	30.1	260
				D23-16	75-80	Tsp:	10	5.3	1	31.7	69.4	8.11	31.3	5.73	1.59	4.92	0.71	4.28	0.76	2.1	0.3	1.75	0.26	21.2	184
				D23-17	80-85	Tsp:	14.1	3.7	0.9	46.9	112.5	13.45	51.1	9.61	2.65	8.27	1.2	7.01	1.26	3.49	0.48	2.69	0.4	31.1	292
				D23-18	85-90	Tsp:	5.9	6.7	1.5	30.6	62.3	7.04	26.3	4.53	1.29	3.84	0.54	3.22	0.57	1.58	0.22	1.26	0.19	17.2	161
				D23-19	90-95	Tsp:	3.9	7.7	1.5	25.4	48.9	5.26	18.5	3.09	0.92	2.52	0.36	2.17	0.39	1.11	0.16	1	0.16	12.4	122
				D23-20	95-100	Tsp:	5.2	7.8	1.7	29	59	6.3	22.5	3.77	1.08	3.17	0.47	2.8	0.51	1.45	0.21	1.25	0.19	15.3	147
D24	242424	3781273	1447	D24-1	0-5	Tsp:	16.7	3.6	0.9	60	133.5	16.25	61.1	11.5	2.81	9.87	1.46	8.62	1.56	4.3	0.58	3.37	0.5	40.6	356
				D24-2	5-10	Tsp:	17	2.9	0.6	57.1	138	16.8	64.3	12.45	3.19	10.9	1.59	9.28	1.69	4.68	0.64	3.6	0.54	41.8	367
				D24-3	10-15	Tsp:	17	3.1	0.6	57.9	139.5	16.9	64.1	12.4	3.18	10.65	1.57	9.36	1.68	4.62	0.63	3.58	0.53	41.5	368
				D24-4	15-20	Tsp:	20.9	2	0.6	40.6	91	11.05	43.5	8.3	2.43	7.69	1.12	6.76	1.22	3.41	0.46	2.61	0.38	31.3	252
				D24-5	20-25	Tsp:	17.3	4.1	0.8	73.4	168	20.2	76.5	14.5	3.4	12.3	1.76	10.35	1.84	4.92	0.66	3.65	0.52	47.5	440
				D24-6	25-30	Tsp:	19.8	4.3	0.7	70.1	157	18.8	71.3	13.2	3.32	11.15	1.58	9.16	1.61	4.37	0.58	3.18	0.47	41.5	407
				D24-7	30-35	Tsp:	20.7	2.9	0.9	60.7	137.5	16.8	64.5	12.2	2.95	10.4	1.5	8.76	1.55	4.18	0.56	3.06	0.45	40.7	366
				D24-8	35-40	Tsp:	21.4	2.4	0.9	41.1	91.8	11.5	44.3	8.59	2.33	7.95	1.16	6.94	1.27	3.44	0.47	2.64	0.39	32.4	256
				D24-9	40-45	Tsp:	21.7	2.9	0.6	66.3	151.5	18.05	67.8	13.2	3.03	12.2	1.84	10.9	2	5.61	0.77	4.36	0.63	50.6	409

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D24-10	45-50	Tsp:	21.1	3.7	0.6	69.3	154.5	18.4	68.4	13.25	3.03	11.95	1.8	10.8	1.98	5.56	0.78	4.42	0.66	50.8	416
				D24-11	50-55	Tsp:	19.8	3.8	0.5	80.7	180.5	21.4	80	15	3.53	13.3	1.9	11.05	1.99	5.53	0.74	4.21	0.63	50.7	471
				D24-12	55-60	Tsp:	16.5	3.8	0.6	67.4	153.5	17.9	67.2	12.35	2.95	10.2	1.44	8.34	1.48	4	0.54	3.02	0.45	37.6	388
				D24-13	60-65	Tsp:	20.7	4.7	0.7	66.1	138	16.25	59	10.8	2.74	9.35	1.38	8.02	1.47	4.09	0.56	3.2	0.48	37.8	359
				D24-14	65-70	Tsp:	18.8	4.5	0.6	69.2	157.5	17.65	65.5	11.85	2.83	10.55	1.55	9.22	1.76	5.01	0.71	4.13	0.61	43.5	402
				D24-15	70-75	Tsp:	19.8	4.3	0.7	47.7	113.5	13.55	51.9	9.8	2.53	8.8	1.28	7.56	1.43	3.97	0.55	3.14	0.45	34.3	300
				D24-16	75-80	Tsp:	18.3	3.5	0.8	42.1	103	12.45	47.5	8.92	2.34	8.31	1.23	7.34	1.38	3.98	0.57	3.19	0.46	31.4	274
				D24-17	80-85	Tsp:	19.2	3.9	0.7	66.1	156	17.95	67.6	12.4	3.36	10.7	1.54	9.06	1.71	4.79	0.67	3.86	0.55	43.1	399
				D24-18	85-90	Tsp:	14.3	2.5	0.5	56.6	134	15.65	60.1	11	3.34	9.54	1.38	8.04	1.5	4.15	0.57	3.29	0.49	36.7	346
				D24-19	90-95	Tsp:	15.2	2.9	0.6	53	129	15.15	58.3	11	3.24	9.69	1.37	8.04	1.49	4.16	0.56	3.2	0.48	36.6	335
				D24-20	95-100	Tsp:	18	2.1	0.5	41.4	99.3	11.65	45.4	8.6	2.7	7.72	1.13	6.7	1.26	3.48	0.48	2.7	0.4	30.8	264
D25	242449	3781290	1446	D25-1	0-5	Tsp:	19	2.5	0.5	25.4	58.9	6.96	28.6	5.69	1.79	5.6	0.82	5.07	0.96	2.75	0.38	2.26	0.32	26.1	172
				D25-2	5-10	Tsp:	19.6	2.8	0.6	45.5	106.5	12.7	49	9.18	2.51	8.47	1.21	7.28	1.36	3.85	0.53	2.97	0.43	35	286
				D25-3	10-15	Tsp:	17.4	3.5	0.6	58.3	141.5	16.45	62.2	11.35	2.82	10.05	1.46	8.58	1.63	4.6	0.63	3.54	0.51	39.5	363
				D25-4	15-20	Tsp:	17.3	3.9	0.5	60	147	16.2	60.3	11.1	2.65	10.25	1.51	9.13	1.76	5.05	0.71	4.06	0.58	42.7	373
				D25-5	20-25	Tsp:	16.9	3.8	0.5	62.6	146	16.5	61.4	11.4	2.8	10.55	1.56	9.25	1.78	5.03	0.71	4.08	0.59	43.6	378
				D25-6	25-30	Tsp:	19.3	2.9	0.4	49.4	113.5	13.3	49.9	9.19	2.39	8.63	1.3	7.78	1.48	4.3	0.59	3.5	0.51	36.7	302
				D25-7	30-35	Tsp:	18.5	2.2	0.5	36.7	94	11.15	44.9	8.86	2.41	8.39	1.24	7.42	1.4	3.95	0.55	3.07	0.44	33.3	258
				D25-8	35-40	Tsp:	19.3	2.1	0.5	39.3	100.5	12.25	49.2	9.83	2.59	9.08	1.34	8.02	1.54	4.24	0.59	3.36	0.48	36.8	279
				D25-9	40-45	Tsp:	17.1	2.8	0.7	47.3	113	13.6	52.4	10.1	2.62	9.23	1.32	7.81	1.48	4.09	0.55	3.12	0.45	35.3	302
				D25-10	45-50	Tsp:	15.6	4.6	0.7	64.6	148	17.15	64.7	11.95	3.03	10.8	1.54	8.94	1.69	4.64	0.63	3.54	0.51	42	384
				D25-11	50-55	Tsp:	15.5	4.6	0.7	68.3	158	18.35	70.1	12.95	3.22	11.45	1.6	9.2	1.7	4.68	0.62	3.52	0.51	42.4	407
				D25-12	55-60	Tsp:	15	6.2	0.7	70.8	155	17.4	64.7	11.7	3.13	10.45	1.48	8.74	1.63	4.53	0.61	3.49	0.5	40.7	395
				D25-13	60-65	Tsp:	15.8	2.7	0.6	51.7	122.5	14.3	54.5	9.88	3.07	8.54	1.23	7.19	1.34	3.7	0.5	2.91	0.43	32.2	314
				D25-14	65-70	Tsp:	11.7	2.7	0.5	42.1	97.9	11.25	42.4	7.5	2.36	6.7	0.95	5.47	1.01	2.79	0.39	2.22	0.33	25.1	248
				D25-15	70-75	Tsp:	16.6	2.5	0.6	51	118	13.8	52	9.2	2.9	8.07	1.15	6.74	1.27	3.51	0.47	2.71	0.41	31.6	303
				D25-16	75-80	Tsp:	14.4	2.5	0.5	51.6	127	14.8	56.7	10.5	3.22	9.25	1.34	7.77	1.45	4.06	0.56	3.24	0.48	34.8	327
				D25-17	80-85	Tsp:	6.9	5.4	0.8	30.3	69.6	7.62	29.5	5.19	1.69	4.55	0.65	3.84	0.72	1.99	0.28	1.63	0.25	19	177
				D25-18	85-90	Tsp:	4.4	6.4	0.9	17.9	36.8	4.05	14.8	2.56	0.92	2.21	0.32	1.9	0.37	1.02	0.14	0.87	0.14	10.3	94
				D25-19	90-95	Tsp:	8.5	4.8	0.9	33.3	77.4	8.34	31.9	5.49	1.71	4.77	0.68	3.91	0.72	2.06	0.28	1.7	0.25	19.1	192
				D25-20	95-100	Tsp:	11.1	4.9	1.2	39.7	96.4	11.1	42.1	7.52	2.04	6.44	0.95	5.55	1.03	2.87	0.4	2.32	0.34	25.4	244
D26	242475	3781302	1444		0-5	Qal:																			0
					5-10	Qal:																			0
				D26-3	10-15	Tsp:	13.3	5.6	1.3	57.5	124.5	13.35	56.8	10.5	2.65	9.32	1.4	7.01	1.39	3.72	0.48	2.6	0.41	35.8	327
				D26-4	15-20	Tsp:	13.6	3.2	0.7	55.2	125.5	13.7	60.1	11.45	3.13	10.6	1.55	7.76	1.52	3.89	0.48	2.61	0.42	37.5	335
				D26-5	20-25	Tsp:	14.8	3.4	0.7	67.3	150	16.6	72.4	13.45	3.81	12.5	1.8	8.79	1.69	4.41	0.55	2.98	0.48	42.2	399
				D26-6	25-30	Tsp:	17.2	3.3	0.7	59.6	138	14.85	57.2	10.85	2.88	9.81	1.28	6.63	1.33	3.53	0.47	2.79	0.41	39	349
				D26-7	30-35	Tsp:	17.5	3.7	0.7	69.9	159.5	17.4	67	12.8	3.31	11.45	1.49	7.61	1.49	3.94	0.51	3.05	0.45	45.1	405
				D26-8	35-40	Tsp:	17.2	2.6	0.6	54.8	122.5	14.9	63.3	11.6	3.42	10.75	1.6	8.17	1.65	4.29	0.54	3.1	0.48	38.3	339
				D26-9	40-45	Tsp:	14.6	3.1	0.7	52.2	121	14.6	62.5	11.55	3.43	10.65	1.6	8.29	1.67	4.42	0.56	3.17	0.49	38.9	335
				D26-10	45-50	Tsp:	16.2	3.2	0.7	64.9	142	17.35	73.3	13.5	4.16	12.3	1.84	9.3	1.88	4.88	0.62	3.6	0.55	43.9	394
				D26-11	50-55	Tsp:	16	2.5	0.6	64.5	141.5	17.25	73.3	13.4	4	11.8	1.73	8.73	1.72	4.45	0.56	3.1	0.5	41.5	388
				D26-12	55-60	Tsp:	18.7	2.7	0.6	81.2	176.5	22	91.2	17	4.9	15.15	2.19	10.95	2.15	5.6	0.69	3.84	0.6	51.5	485
				D26-13	60-65	Tsp:	18.4	3	0.6	64.5	137.5	16.75	70.9	12.95	3.6	11.95	1.71	8.88	1.76	4.59	0.57	3.21	0.5	43.3	383
				D26-14	65-70	Tsp:	15.2	2.9	0.6	65.9	138	16.95	70.9	12.7	3.41	11.2	1.68	8.64	1.74	4.56	0.57	3.21	0.48	44.2	384
				D26-15	70-75	Tsp:	16.1	2.4	0.5	65.6	144.5	17.65	74.1	13.65	3.86	12.15	1.76	9.09	1.82	4.73	0.6	3.4	0.53	43.5	397
				D26-16	75-80	Tsp:	16	3.3	0.7	76.1	156.5	19	77.9	14.15	4.07	12.35	1.77	8.94	1.76	4.49	0.56	3.11	0.48	44.4	426
				D26-17	80-85	Tsp:	15.3	4.4	0.7	67.6	143	17.05	71.5	12.75	3.79	11.05	1.6	8.14	1.59	4.16	0.52	2.91	0.47	39.7	386

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D26-18	85-90	Tsp:	17	3.1	0.7	62.9	134	16.15	67.4	11.9	3.7	10.8	1.55	7.83	1.56	4.09	0.52	2.91	0.46	37.8	364
				D26-19	90-95	Tsp:	14.4	3.6	1.1	58	129.5	15.45	65.1	11.9	3.53	10.6	1.57	8.16	1.64	4.3	0.55	3.11	0.49	39	353
				D26-20	95-100	Tsp:	17.8	2.6	0.7	51.8	113.5	13.6	57.2	10.5	3.1	9.76	1.47	7.58	1.53	4.09	0.53	2.99	0.48	36.7	315
D27	242501	3781314	1442		0-5	Qal:																			0
				D27-2	5-10	Tsp:	13.4	5.4	1.2	64.8	137	16	66.8	11.95	3.4	10.8	1.55	7.93	1.56	3.99	0.49	2.75	0.43	38.8	368
				D27-3	10-15	Tsp:	13.1	4.4	1	62.5	131	15.9	67.1	12.05	3.44	10.75	1.56	7.83	1.57	4.05	0.49	2.76	0.43	38.4	360
				D27-4	15-20	Tsp:	17	3.9	0.8	73.4	151.5	18.4	77.1	13.95	3.82	12.75	1.81	9.28	1.82	4.66	0.57	3.13	0.49	45	418
				D27-5	20-25	Tsp:	14.5	3.6	0.8	63	133.5	16.4	69.9	12.8	3.48	11.85	1.71	8.75	1.73	4.44	0.55	3.04	0.47	42.8	374
				D27-6	25-30	Tsp:	16.8	3.8	0.8	73.3	156.5	18.85	78.4	14.65	3.9	13.45	1.92	9.63	1.91	4.89	0.6	3.34	0.52	47.2	429
				D27-7	30-35	Tsp:	14.2	3.2	0.6	60.2	135.5	16.25	69.5	12.95	3.81	11.95	1.76	9.03	1.82	4.72	0.6	3.36	0.53	41.8	374
				D27-8	35-40	Tsp:	15.8	2.7	0.6	76.6	161.5	19.75	81.9	15.2	4.34	13.95	2.02	9.83	1.94	4.88	0.58	3.21	0.5	47.3	444
				D27-9	40-45	Tsp:	17.4	2.9	0.5	72.5	162	19.45	81	15.15	4.56	13.55	1.97	9.94	1.98	5.01	0.63	3.56	0.56	46.1	438
				D27-10	45-50	Tsp:	17.3	2.7	0.6	66.1	143	17.4	73	13.2	3.94	12.15	1.79	9.12	1.79	4.7	0.59	3.3	0.52	43.6	394
				D27-11	50-55	Tsp:	15.3	2.5	0.5	48.5	113	13.3	57	10.55	3.05	9.7	1.45	7.39	1.47	3.83	0.48	2.72	0.42	33.8	307
				D27-12	55-60	Tsp:	14.7	4.1	0.9	72.5	153.5	18.25	75.6	13.6	3.95	12.25	1.78	9.07	1.77	4.64	0.59	3.25	0.51	42.2	413
				D27-13	60-65	Tsp:	15	3.3	0.7	66.7	147.5	17.75	75.7	13.75	3.94	12.25	1.8	9.03	1.8	4.75	0.59	3.3	0.52	42.2	402
				D27-14	65-70	Tsp:	14	2.9	0.8	53	120.5	14.5	61.6	11.3	3.28	10.25	1.51	7.63	1.52	4.01	0.51	2.92	0.47	35.4	328
				D27-15	70-75	Tsp:	18.4	2.8	0.9	46	98.3	12.95	50.8	9.3	2.87	8.55	1.28	6.48	1.28	3.33	0.42	2.37	0.37	30.5	275
				D27-16	75-80	Tsp:	11	2.8	0.9	40.7	90.3	11.9	46.7	8.59	2.42	7.42	1.11	5.52	1.08	2.87	0.36	2.01	0.32	25.5	247
				D27-17	80-85	Tsp:	17.1	2.5	0.8	41.8	94.9	12.35	49.2	9.28	2.87	8.95	1.34	6.84	1.36	3.59	0.46	2.62	0.41	31.4	267
				D27-18	85-90	Tsp:	9.6	2.8	1	35.6	77.7	10.5	41.3	7.71	1.85	6.26	0.96	4.95	0.97	2.5	0.32	1.83	0.28	23.5	216
				D27-19	90-95	Tsp:	13.9	3	1.1	49.7	108	13	54.8	10	2.74	8.91	1.35	6.98	1.4	3.72	0.48	2.71	0.42	33.4	298
				D27-20	95-100	Tsp:	11.9	5.5	1.6	49.2	105.5	13.3	53.2	9.47	2.7	8.34	1.26	6.48	1.3	3.4	0.44	2.44	0.38	31.5	289
D28	242531	3781327	1441		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
				D28-4	15-20	Tsp:	16.5	4.2	0.7	62.3	147.5	15.8	61.8	12.55	2.98	11.65	1.77	10.05	2.01	5.49	0.72	4.24	0.64	49.2	389
				D28-5	20-25	Tsp:	16.7	5.2	0.8	70.2	166.5	17.9	68.9	13.55	3.31	11.9	1.8	9.98	1.99	5.33	0.69	3.97	0.6	48.6	425
				D28-6	25-30	Tsp:	15.7	4.1	0.8	63.9	159	17.2	68.8	13.6	3.67	12.45	1.85	10.25	2.03	5.35	0.69	3.93	0.57	47.5	411
				D28-7	30-35	Tsp:	16.1	3.4	0.7	60.3	142.5	15.85	63.4	12.35	3.35	11.5	1.67	8.77	1.7	4.3	0.54	3.03	0.44	39.2	369
				D28-8	35-40	Tsp:	13.1	3.9	0.7	56.5	136.5	14.6	58.3	11.1	2.96	9.97	1.47	7.89	1.54	4	0.5	2.85	0.41	36.1	345
				D28-9	40-45	Tsp:	19.2	4.2	0.6	53.5	129	13.5	54.1	10.7	2.87	10.45	1.62	9.19	1.87	5.03	0.67	3.87	0.57	42.9	340
				D28-10	45-50	Tsp:	18.3	5.6	0.9	59.5	143.5	15.25	61.4	12.2	3.29	11.95	1.79	9.79	1.96	5.25	0.68	3.97	0.59	44.6	376
				D28-11	50-55	Tsp:	15.1	4	0.8	51.8	128.5	13.55	55.5	10.8	3.02	10.25	1.56	8.74	1.74	4.66	0.6	3.51	0.51	40	335
				D28-12	55-60	Tsp:	16	3.7	0.8	65.9	156	17	67.6	13.15	3.61	12.1	1.77	9.5	1.85	4.73	0.59	3.37	0.48	41.8	399
				D28-13	60-65	Tsp:	15.7	3	0.6	60.6	151.5	16.5	65.7	13.1	3.95	11.95	1.78	9.68	1.91	4.92	0.64	3.64	0.55	44.1	391
				D28-14	65-70	Tsp:	16.6	2.9	0.6	48.4	117.5	12.6	51.3	9.98	2.95	9.13	1.35	7.26	1.43	3.68	0.47	2.68	0.4	33.8	303
				D28-15	70-75	Tsp:	15.9	4.6	0.8	68.8	170	18.5	72.9	14.2	4.05	12.9	1.88	9.95	1.95	5	0.63	3.6	0.54	43.4	428
				D28-16	75-80	Tsp:	11.8	3.8	0.7	49.9	121	12.95	51.7	9.59	2.93	8.64	1.25	6.68	1.33	3.5	0.44	2.57	0.39	29.9	303
				D28-17	80-85	Tsp:	10.6	2.8	0.6	45.4	112.5	11.85	48.1	9.22	2.96	8.16	1.2	6.43	1.26	3.29	0.42	2.41	0.37	28.5	282
				D28-18	85-90	Tsp:	12.4	3.1	0.6	55.7	134	14.25	57	10.75	3.19	9.53	1.39	7.34	1.44	3.65	0.46	2.66	0.4	32.8	335
				D28-19	90-95	Tsp:	13.7	6.9	1	70.8	162.5	17.2	66.9	12.45	3.87	10.8	1.53	8.04	1.54	4	0.5	2.88	0.44	35.8	399
				D28-20	95-100	Tsp:	13.2	5.3	0.9	59.3	143.5	15	59.8	11.1	3.6	9.72	1.39	7.35	1.42	3.71	0.47	2.69	0.41	32.7	352
D29	242555	3781340	1439		0-5	Qal:																			0
					5-10	Qal:																			0
				D29-3	10-15	Tsp:	15.3	6.5	2	63.9	159	16.9	66.2	12.9	2.81	11.45	1.69	9.08	1.76	4.59	0.59	3.36	0.48	41.7	396
				D29-4	15-20	Tsp:	12.4	5.4	1.4	58.6	137	14.75	59.2	11.2	2.91	10.5	1.5	7.98	1.54	3.93	0.49	2.83	0.4	36.3	349
				D29-5	20-25	Tsp:	16.2	1.9	0.7	22.4	53.7	6.33	23.8	4.93	1.6	5.01	0.78	4.36	0.87	2.38	0.31	1.81	0.26	20.4	149

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D29-6	25-30	Tsp:	21.3	2.1	0.8	19.6	44.6	5.33	20.8	4.55	1.9	5.18	0.81	4.69	0.95	2.58	0.34	1.95	0.29	22.6	136
				D29-7	30-35	Tsp:	20	3.2	0.5	36.3	87.7	10	37.2	7.71	2.35	8	1.27	7.22	1.45	3.98	0.52	3.06	0.44	33.1	240
				D29-8	35-40	Tsp:	18.8	1.5	0.5	14.6	36.1	4.38	16.8	3.76	1.38	4.27	0.71	4.21	0.86	2.41	0.33	1.96	0.29	18.8	111
				D29-9	40-45	Tsp:	18.6	2.1	0.5	26.4	64.9	7.53	27.9	5.68	1.83	5.88	0.91	5.28	1.07	2.91	0.39	2.33	0.33	23.6	177
				D29-10	45-50	Tsp:	17.4	3.1	0.6	43.1	101.5	11.55	42	8.2	2.34	7.77	1.2	6.71	1.38	3.68	0.48	2.9	0.42	32.7	266
				D29-11	50-55	Tsp:	19	3.8	0.7	50.6	123	12.95	51.7	10.1	2.75	10.05	1.53	8.65	1.75	4.76	0.63	3.73	0.55	40.3	323
				D29-12	55-60	Tsp:	16.9	3.8	0.7	54.4	130	13.9	55.9	10.75	3.05	10.25	1.5	8.21	1.61	4.24	0.54	3.15	0.45	37.3	335
				D29-13	60-65	Tsp:	16.3	3.8	0.7	59.7	144	15.55	62.7	12.05	3.46	11.05	1.62	8.84	1.76	4.64	0.59	3.38	0.49	40.9	371
				D29-14	65-70	Tsp:	16.6	2.9	0.6	49.9	128.5	13.6	55.3	10.95	3.13	10.55	1.59	8.68	1.73	4.57	0.58	3.35	0.48	38.3	331
				D29-15	70-75	Tsp:	19.3	4.5	0.8	85.7	211	22.6	88.7	17.05	3.93	15.7	2.23	11.85	2.32	5.95	0.75	4.24	0.61	52.6	525
				D29-16	75-80	Tsp:	15.2	3.4	0.7	60.6	152	16.3	65.2	13.05	3.48	11.65	1.73	9.25	1.82	4.64	0.58	3.31	0.48	42.6	387
				D29-17	80-85	Tsp:	13.3	4.3	0.8	60.4	150.5	15.85	61.6	11.85	3.28	10.5	1.55	8.24	1.6	4.19	0.53	3.09	0.45	36	370
				D29-18	85-90	Tsp:	14.2	3	0.7	49	122.5	13.45	55.7	10.95	3.11	9.74	1.44	7.9	1.54	4.02	0.51	2.89	0.41	36.1	319
				D29-19	90-95	Tsp:	14.3	3.4	0.8	55	131	14.15	58	11	3.15	9.73	1.43	7.68	1.49	3.81	0.49	2.73	0.39	34.7	335
				D29-20	95-100	Tsp:	21.1	7	1.1	75.1	166.5	18.9	81.3	15.3	3.26	11.2	1.63	8.89	1.62	4.41	0.57	3.29	0.47	40.8	433
D30	242583	3781358	1437		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	90% Qal: ; 10% Tsp: hematitic																			0
				D30-5	20-25	Tsp:	16.6	4.9	1	68.2	148.5	17.45	72.7	13.7	2.94	9.93	1.5	8.47	1.57	4.31	0.56	3.25	0.46	41.1	395
				D30-6	25-30	Tsp:	17.1	4.3	0.9	70.7	153	17.8	76.3	14.7	2.99	10.8	1.6	8.92	1.64	4.48	0.58	3.33	0.47	42.8	410
				D30-7	30-35	Tsp:	20.8	4.1	0.6	72.8	160.5	18.3	78.4	15.3	2.99	11.8	1.79	10.45	1.95	5.52	0.74	4.32	0.62	50.5	436
				D30-8	35-40	Tsp:	19.5	4.2	0.7	75.4	161.5	18.2	76.7	15	2.88	11.05	1.76	10.05	1.91	5.45	0.72	4.38	0.63	50.6	436
				D30-9	40-45	Tsp:	19.6	4	0.6	72.5	154	17.7	73.3	14.15	2.86	11.45	1.7	9.7	1.8	5.05	0.67	3.96	0.57	46.7	416
				D30-10	45-50	Tsp:	17.7	4.6	0.6	81.3	176	20.2	85.5	16	3.28	12	1.82	10.35	1.87	5.26	0.68	3.96	0.58	49.2	468
				D30-11	50-55	Tsp:	18.2	3.5	0.6	69.2	157.5	18.05	77.8	14.6	3.38	10.85	1.64	9.24	1.67	4.61	0.61	3.51	0.5	44	417
				D30-12	55-60	Tsp:	17.9	3.7	0.6	60	136	16.95	65.4	12.55	3.38	10.55	1.59	8.88	1.65	4.64	0.6	3.56	0.53	38.3	365
				D30-13	60-65	Tsp:	18.9	4.1	0.6	69.1	150.5	17.45	72.1	13.7	3.6	11.9	1.74	9.56	1.77	5.02	0.66	3.93	0.58	42.8	404
				D30-14	65-70	Tsp:	17.7	4.9	0.6	73.7	162	19.3	77.1	14.5	3.42	10.25	1.63	9.2	1.73	4.76	0.64	3.78	0.55	44.7	427
				D30-15	70-75	Tsp:	20.8	2.5	0.6	39.4	88.6	11.65	46.1	9.19	2.34	7.09	1.12	6.3	1.18	3.29	0.43	2.47	0.36	27.8	247
				D30-16	75-80	Tsp:	19.6	4.4	0.8	57.3	129.5	16.75	65.6	12.8	3.12	9.69	1.49	8.17	1.49	4.09	0.53	3.01	0.43	36.3	350
				D30-17	80-85	Tsp:	19.3	4.4	0.8	78.9	178.5	19.95	86.1	16.45	3.27	11.45	1.67	9.29	1.7	4.58	0.59	3.41	0.48	45	461
				D30-18	85-90	Tsp:	15.6	4.1	0.7	68.4	152	19.1	74.5	13.95	2.92	9.63	1.48	8.19	1.5	4.08	0.53	2.97	0.43	38.9	399
				D30-19	90-95	Tsp:	15.8	3.6	0.6	65.4	145.5	18.4	71.9	13.7	2.99	9.7	1.5	8.25	1.51	4.06	0.52	2.99	0.43	39.5	386
				D30-20	95-100	Tsp:	16.5	3.6	0.6	66.3	154.5	17.55	76.1	14.55	3.13	10.95	1.61	9.05	1.63	4.43	0.57	3.27	0.47	42.3	406
D31	242609	3781370	1435		0-5	Qal:																			0
					5-10	Qal:																			0
				D31-3	10-15	Qal:	5.6	13.4	2.4	36.6	75	9.01	32	5.78	1.37	4.12	0.66	3.77	0.71	2.1	0.29	1.9	0.29	21.8	195
				D31-4	15-20	Qal:	11.1	12.8	2	55.2	116	14.45	54.1	10.2	2.05	6.99	1.1	6.24	1.16	3.26	0.44	2.68	0.4	31.6	306
				D31-5	20-25	40% Qal and Tc: ss and chips of conglomerate; 60% Tsp	15.2	8.3	1.5	78.6	170.5	19.8	83.6	15.95	2.53	11.65	1.76	9.92	1.86	5.24	0.68	3.83	0.55	49.3	456
				D31-6	25-30	Tsp:	20.1	6	1	73.9	167	18.85	81.2	15.55	3.05	11.85	1.72	9.68	1.78	4.86	0.64	3.56	0.5	44.7	439
				D31-7	30-35	Tsp:	19.8	4.3	0.7	61.9	137	17.6	68.9	13.15	2.96	10	1.57	8.67	1.59	4.34	0.56	3.19	0.46	39.1	371
				D31-8	35-40	Tsp:	20.1	4.4	0.7	82	188	21.5	91.9	17.5	3.6	12.75	1.91	10.6	1.97	5.34	0.71	4.15	0.6	50.2	493
				D31-9	40-45	Tsp:	17.4	4	0.7	63.9	145.5	18.4	71.2	13.6	3.09	9.85	1.53	8.62	1.6	4.41	0.59	3.42	0.49	40.3	387

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D31-10	45-50	Tsp:	18	4.4	0.9	78.2	171	19.3	84	15.9	3.32	11.55	1.68	9.31	1.71	4.59	0.58	3.37	0.49	45.8	451
				D31-11	50-55	Tsp:	16.6	3.2	0.6	61	134.5	16.85	66.1	12.6	2.6	9.66	1.46	8.13	1.48	4.08	0.54	3.12	0.46	38.5	361
				D31-12	55-60	Tsp:	18.4	5.6	0.7	76.1	160	18.45	75.2	14.4	2.83	10.95	1.69	9.39	1.73	4.77	0.63	3.68	0.53	45	425
				D31-13	60-65	Tsp:	17.4	7.8	0.7	71.4	154	17.25	72.6	14.25	2.97	11.7	1.74	9.6	1.78	5	0.64	3.83	0.56	44.6	412
				D31-14	65-70	Tsp:	16.7	5.6	0.8	85.1	178	20.5	87	16.25	3.58	13.7	1.93	10.15	1.86	4.99	0.63	3.65	0.53	43.9	472
				D31-15	70-75	Tsp:	16.6	4.3	0.9	83.8	173	20.4	88.8	16.7	3.72	14.75	2	10.5	1.85	4.93	0.61	3.42	0.49	44.2	469
				D31-16	75-80	Tsp:	15.8	4	0.8	64.3	135	17.45	67.4	12.85	3	11.05	1.59	8.7	1.63	4.5	0.57	3.29	0.48	39	371
				D31-17	80-85	Tsp:	16.3	4.2	0.8	63.1	146	17.9	68.2	13	2.81	10.5	1.52	8.27	1.63	4.59	0.58	3.38	0.51	42.5	384
				D31-18	85-90	Tsp:	17.6	4.1	0.7	70.8	161	18.25	78.9	14.8	2.95	11.75	1.66	9.34	1.72	4.72	0.61	3.47	0.5	42.4	423
				D31-19	90-95	Tsp:	18.6	4.3	0.8	80.5	172.5	19.6	84.2	15.8	3.17	12	1.69	9.37	1.72	4.63	0.6	3.42	0.48	45.1	455
				D31-20	95-100	Tsp:																			0
D32	242635	3781386	1433		0-5	Qal:																			0
				D32-2	5-10	Tc: cuttings of pebbles, ss fines screened	8.2	13.1	1.9	34.1	77.4	9.25	33.4	6.38	1.75	4.25	0.67	3.84	0.76	2.08	0.3	1.75	0.29	22.1	198
				D32-3	10-15	Tc: cuttings of pebbles, ss fines screened	7.5	12.9	2.1	34.9	78.3	9.52	33.8	6.41	1.79	4.3	0.68	3.85	0.75	2.1	0.3	1.84	0.31	22.6	201
				D32-4	15-20	Tc: cuttings of pebbles, ss fines screened	7.6	12.9	2.1	33.9	72.2	8.88	32.4	6.1	1.75	4.36	0.68	3.75	0.75	2.07	0.3	1.78	0.29	20.5	190
				D32-5	20-25	Tc: cuttings of pebbles, ss fines screened	8.2	15.4	2.1	34.3	75.7	9.23	33.6	6.28	1.79	4.38	0.68	3.76	0.75	2.06	0.3	1.8	0.29	21.2	196
				D32-6	25-30	40% Tc: 60% Tsp:	11.9	12.3	1.6	48.2	108	13.2	48.8	9.32	2.18	5.98	0.95	5.43	1.06	2.88	0.4	2.31	0.35	30.6	280
				D32-7	30-35	Tsp:	18.4	4.8	0.8	53.2	128	15.55	59.2	11.9	2.62	9.31	1.45	8.35	1.64	4.57	0.62	3.48	0.52	40.3	341
				D32-8	35-40	Tsp:	17.9	3.4	0.6	63.4	148	18.1	68.6	13.4	2.79	9.7	1.53	8.64	1.71	4.74	0.66	3.79	0.58	43.1	389
				D32-9	40-45	Tsp:	18.7	3.5	0.6	66.6	152.5	19	71.3	13.9	2.84	10.45	1.66	9.5	1.87	5.28	0.73	4.15	0.61	47.8	408
				D32-10	45-50	Tsp:	18.4	5.1	0.6	72.4	168	18.35	78.7	15.6	3.21	12.65	1.89	10.45	2.01	5.42	0.75	4.18	0.63	48.8	443
				D32-11	50-55	Tsp:	18.2	4.1	0.6	73.5	170	18.9	79	15.35	3.15	12.35	1.82	10.25	2.02	5.47	0.77	4.25	0.62	49.4	447
				D32-12	55-60	Tsp:	19.2	5	0.6	59.3	142	17.1	65.6	12.9	2.87	10.75	1.62	9.15	1.81	4.97	0.67	3.8	0.57	40.8	374
				D32-13	60-65	Tsp:	17.4	5.7	0.7	69.3	163.5	17.95	76.5	14.95	3.22	12.85	1.86	10.4	2.04	5.52	0.76	4.34	0.63	46.2	430
				D32-14	65-70	Tsp:	17.1	6.7	0.6	58.3	143	16.85	63.9	12.7	2.87	10.8	1.65	9.15	1.82	5.01	0.69	3.89	0.58	40.7	372
				D32-15	70-75	Tsp:	16.2	4.6	0.7	68.5	151.5	19.15	74	14.3	3.11	11.65	1.7	9.13	1.8	4.75	0.64	3.56	0.53	40.7	405
				D32-16	75-80	Tsp:	20.2	4.2	0.7	59.9	134.5	16.85	64.5	12.6	2.91	10.1	1.53	8.44	1.65	4.5	0.63	3.48	0.51	39	361
				D32-17	80-85	Tsp:	16.7	4.3	0.6	58.2	142.5	17.2	66.7	12.8	3.08	10.1	1.47	8.24	1.63	4.35	0.6	3.37	0.51	36.4	367
				D32-18	85-90	Tsp:	16.4	5.4	0.9	69.2	158	19.9	75.4	14.3	3.16	10.85	1.56	8.59	1.66	4.39	0.6	3.33	0.49	37.3	409
				D32-19	90-95	Tsp:	18	7.3	1	65.5	156	19.2	72.1	13.5	3.26	10.4	1.54	8.51	1.66	4.43	0.61	3.42	0.5	36.5	397
				D32-20	95-100	Tsp:	16	4.9	0.8	63.3	150.5	18.95	73.1	13.7	3.35	10.5	1.54	8.4	1.61	4.27	0.58	3.3	0.48	35.2	389
D33	242663	3781403	1432		0-5	Qal:																			0
				D33-2	5-10	Tc: ss and conglomerate chips	6.9	11	2.2	35.5	69.9	8.01	29	5.33	1.6	5.1	0.76	3.5	0.68	2.03	0.28	1.77	0.28	18.2	182
				D33-3	10-15	Tc: ss and conglomerate chips	7.6	16.3	2.6	43.3	83.4	9.6	34.6	6.43	1.83	6.07	0.89	4.06	0.78	2.33	0.32	1.98	0.32	21.4	217

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D33-4	15-20	10% Tc: ; 90% Tsp:	12.7	10	1.6	64.1	133.5	15	56.8	10.95	3.04	10.75	1.57	7.25	1.38	4.02	0.53	3.26	0.5	34.7	347
				D33-5	20-25	Tsp:	15.4	5.4	1	83.2	172.5	20.2	78.2	14.7	3.51	14.15	2.04	9.08	1.71	4.93	0.63	3.8	0.55	43.4	453
				D33-6	25-30	Tsp:	17.7	5.1	0.9	83.7	166	19.85	76.6	14.8	3.35	14.15	2.08	9.44	1.8	5.3	0.68	4.17	0.6	44.8	447
				D33-7	30-35	Tsp:	19.2	4.2	0.8	93	182.5	22	85.1	16.6	3.7	16.25	2.42	11.3	2.15	6.28	0.83	5	0.74	53	501
				D33-8	35-40	Tsp:	18	5.3	0.7	90.5	175	20.9	80.1	15.7	3.64	15.65	2.38	11.2	2.17	6.38	0.86	5.23	0.77	54.9	485
				D33-9	40-45	Tsp:	18	3.6	0.6	81	157	18.8	71.9	14.05	3.23	13.85	2.06	9.64	1.86	5.4	0.72	4.34	0.65	47.3	432
				D33-10	45-50	Tsp:	17.9	3.5	0.7	91.8	185	21.3	82.8	16.35	3.84	16.3	2.45	11.4	2.18	6.42	0.85	5.24	0.79	54.3	501
				D33-11	50-55	Tsp:	19	3.5	0.6	87.8	185.5	20.7	79.3	15.65	3.63	16.15	2.46	11.7	2.29	6.7	0.89	5.41	0.8	55.9	495
				D33-12	55-60	Tsp:	17.5	3.5	0.6	93.1	186.5	21.3	83.4	16.5	3.72	16.5	2.4	11.05	2.09	6.05	0.8	4.74	0.7	53	502
				D33-13	60-65	Tsp:	16.9	4	0.6	86.2	178	20.2	77.8	15.35	3.52	15.35	2.28	10.65	2.03	5.91	0.78	4.7	0.69	52.9	476
				D33-14	65-70	Tsp:	18.5	3.8	0.5	87.3	186.5	21.2	82.2	16.6	3.78	17	2.62	12.5	2.41	7.11	0.95	5.75	0.84	60.3	507
				D33-15	70-75	Tsp:	16.9	4.4	0.6	80.5	169.5	18.8	71.6	14.15	3.36	14.45	2.21	10.65	2.06	6.13	0.82	5	0.74	52.7	453
				D33-16	75-80	Tsp:	18.4	3.6	0.5	88.8	186	20.8	79.9	15.55	3.58	15.8	2.4	11.4	2.2	6.59	0.87	5.32	0.79	57.1	497
				D33-17	80-85	Tsp:	17.3	3.7	0.7	106	222	26	103.5	20.3	4.52	20.1	2.87	12.65	2.34	6.7	0.82	4.84	0.72	59.6	593
				D33-18	85-90	Tsp:	12.5	7	0.8	90.6	179	20.7	79	15.05	3.52	15.15	2.15	9.45	1.77	5.02	0.62	3.72	0.55	44.5	471
				D33-19	90-95	Tsp:	16.8	4.8	0.7	83.8	172.5	19.7	75.8	14.65	3.45	14.9	2.18	9.74	1.83	5.35	0.69	4.08	0.6	46.2	455
				D33-20	95-100	Tsp:	16.9	4.6	0.9	99.8	207	23.9	93.6	17.55	3.9	16.35	2.31	9.92	1.83	5.27	0.65	3.79	0.53	47	533
D34	242690	3781419	1441	D34-1	0-5	Tc: dark red brown ss and clay and fragments	7	13.6	2.9	48.2	101	10.6	39.3	7.49	1.91	7.27	1.06	4.86	0.93	2.78	0.38	2.36	0.37	24.4	253
				D34-2	5-10	Tc:	6.4	11.3	3.1	42.6	83.1	9.36	33.9	6.23	1.8	6.11	0.88	3.99	0.76	2.32	0.31	1.95	0.31	20.9	215
				D34-3	10-15	Tc:	7.5	14.4	3.4	48.7	96.1	10.8	38.8	7.23	2.1	7.43	1.08	4.96	0.93	2.83	0.38	2.41	0.38	24.7	249
				D34-4	15-20	20% Tc: ; 80% Tsp:	9.4	9.7	2.2	49.2	98.2	11.1	41.3	7.67	2.15	7.73	1.13	5.21	0.99	2.96	0.4	2.5	0.38	25.8	257
				D34-5	20-25	Tsp:	16.1	5.2	1.3	65.8	135.5	15.2	59.6	11.55	2.99	11.65	1.76	8.36	1.59	4.71	0.61	3.77	0.55	40.6	364
				D34-6	25-30	Tsp:	15.8	4.6	1.8	58.8	123.5	13.8	53.9	10.5	2.78	10.85	1.64	7.63	1.45	4.24	0.56	3.35	0.49	36.8	330
				D34-7	30-35	Tsp:	14.8	3.6	1.4	57.8	120.5	13.7	53.9	10.5	2.56	10.6	1.58	7.37	1.42	4.13	0.54	3.19	0.45	35.6	324
				D34-8	35-40	Tsp:	16.3	4.1	1.7	66.5	134.5	15.45	59.9	11.45	2.8	11.5	1.68	7.71	1.45	4.25	0.55	3.19	0.46	37.8	359
				D34-9	40-45	Tsp:	16.8	4	1.3	64.9	130	15.2	59.3	11.4	2.86	11.55	1.69	7.72	1.47	4.26	0.55	3.27	0.46	36.2	351
				D34-10	45-50	Tsp:	20.5	3.9	1.1	76.5	132	19.9	78.1	13.4	2.89	13.2	1.94	8.9	1.73	4.93	0.65	3.69	0.56	51.1	409
				D34-11	50-55	Tsp:	16.8	4.5	0.8	80.8	153.5	21.8	86.5	14.7	3.29	14.1	2.06	9.34	1.75	4.94	0.63	3.49	0.54	51.6	449
				D34-12	55-60	Tsp:	16	4	0.8	83.7	159	22.8	91.5	15.65	3.79	14.95	2.19	9.57	1.79	4.98	0.64	3.45	0.52	51.4	466
				D34-13	60-65	Tsp:	17.1	3.3	0.7	78.5	153.5	22.2	90.4	15.55	3.72	14.65	2.12	9.56	1.82	5.11	0.65	3.69	0.55	51.5	454
				D34-14	65-70	Tsp:	17.5	4.4	0.9	108	196.5	29	117.5	20.3	4.47	19.2	2.68	11.45	2.16	5.91	0.72	3.94	0.59	63.1	586
				D34-15	70-75	Tsp:	16	5.4	0.8	78.9	150.5	21.3	84	14.2	3.31	13.35	1.95	8.71	1.67	4.72	0.61	3.34	0.51	48.4	435
				D34-16	75-80	Tsp:	19.1	7.7	1.1	72.8	136	19.3	74.6	12.75	3.23	11.65	1.7	7.63	1.45	4.13	0.54	3.04	0.47	43.2	392
				D34-17	80-85	Tsp:	18.2	4.8	0.8	68.9	129.5	18.15	69.7	12.05	2.94	11.25	1.66	7.55	1.45	4.17	0.55	3.05	0.47	42.4	374
				D34-18	85-90	Tsp:	10.5	3.2	0.7	67.7	114.5	17.3	69.6	11.85	2.77	11.2	1.55	6.4	1.16	3.11	0.36	1.91	0.29	35.3	345
				D34-19	90-95	Tsp:	12.2	3.1	0.7	84.7	148	22.3	91	15.7	3.47	14.75	2.01	8.17	1.48	3.87	0.45	2.36	0.35	46.1	445
				D34-20	95-100	Tsp:	16.6	4.1	0.9	89	158	23.2	94.4	16.25	3.43	14.9	2.13	9.04	1.67	4.63	0.55	3	0.45	51.1	472
D35	242716	3781431	1454	D35-1	0-5	Tc: redbeds	8.4	15.7	3	44.1	86	10.4	39.8	7.49	2.12	6.63	0.91	5.21	1.02	2.86	0.41	2.75	0.39	27.7	238
				D35-2	5-10	Tc: redbeds	8.2	15.8	4.6	44.4	90.6	10.95	41.7	7.86	2.08	6.63	0.95	5.38	1.05	2.93	0.42	2.67	0.39	28.7	247
				D35-3	10-15	Tc: redbeds	8.6	16	3.5	44.9	91.1	10.9	41.8	7.92	2.1	6.87	0.97	5.63	1.1	2.98	0.42	2.74	0.4	29.1	249
				D35-4	15-20	Tc: redbeds	7.9	15.7	3.1	42.4	86.4	10.4	39.5	7.48	2.02	6.22	0.9	5.22	0.99	2.8	0.39	2.59	0.37	27.4	235
				D35-5	20-25	Tc: redbeds	7.9	14.8	3.1	45.2	89.8	10.75	41.5	7.8	1.99	6.64	0.92	5.16	0.99	2.82	0.39	2.5	0.36	28.5	245

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D35-6	25-30	70% Tc: redbeds ; 30% Tsp:	13.2	7.7	2.1	53.7	115	14.4	57.3	11.2	2.54	9.21	1.28	7.26	1.39	3.85	0.54	3.36	0.44	35.1	317
				D35-7	30-35	Tsp:	15.1	5.5	1.7	51.6	111.5	13.65	54.9	10.75	2.45	9.35	1.34	7.86	1.54	4.33	0.6	3.86	0.5	38.7	313
				D35-8	35-40	Tsp:	15.6	4.4	1.5	50.8	107.5	12.8	47.4	9.65	2.33	8.43	1.31	7.48	1.48	4.23	0.61	3.77	0.54	35.2	294
				D35-9	40-45	Tsp:	17.2	3.9	1.2	55.9	118.5	13.95	53.1	10.75	2.41	8.96	1.38	8.08	1.6	4.51	0.66	4.04	0.57	38	322
				D35-10	45-50	Tsp:	15.4	4	1	62.4	136.5	16.4	63.8	12.7	2.77	9.75	1.45	8.19	1.54	4.52	0.61	3.8	0.54	37.8	363
				D35-11	50-55	Tsp:	15	5	0.9	71.6	158	18.65	74.2	14.4	3.21	11.5	1.68	9.3	1.76	4.84	0.65	4	0.56	42.8	417
				D35-12	55-60	Tsp:	16.3	2.9	0.7	55.3	124.5	15.15	58.9	11.55	2.98	8.92	1.34	7.85	1.5	4.21	0.58	3.55	0.5	36.6	333
				D35-13	60-65	Tsp:	13.9	3.3	0.9	51.7	115	14.2	55.8	10.9	2.79	9.19	1.32	7.29	1.41	3.82	0.52	3.13	0.44	32.2	310
				D35-14	65-70	Tsp:	14	3.9	0.8	73.8	161	19.45	75.1	14.3	3.47	11.45	1.63	9.07	1.69	4.67	0.63	3.79	0.53	41.3	422
				D35-15	70-75	Tsp:	12.9	3.5	0.8	52.7	116	13.85	54.4	10.5	2.86	8.9	1.31	7.44	1.39	3.85	0.54	3.29	0.48	33.3	311
				D35-16	75-80	Tsp:	16	3.3	0.9	56.5	125.5	14.45	55.3	10.85	2.68	9.03	1.32	7.52	1.43	4.07	0.55	3.37	0.47	34.6	328
D36	242742	3781444	1461	D36-1	0-5	Tc: red beds ss	8.8	15.6	3.4	50.1	100	11.25	41.5	8.16	1.98	6.85	1.02	5.83	1.11	3.03	0.43	2.7	0.4	29.5	264
				D36-2	5-10	Tc: red beds ss	9	16.1	4	52.2	101	11.6	43.1	8.32	2.15	7.33	1.05	5.89	1.14	3.21	0.44	2.72	0.4	29.7	270
				D36-3	10-15	Tc: red beds ss	8.7	14.4	4	51.2	100	11.6	42.5	8.18	2.21	6.86	1.02	5.79	1.09	3.06	0.43	2.64	0.4	29.5	266
				D36-4	15-20	Tc: red beds ss	8.3	14.7	3.5	47.8	95.7	10.75	39.4	7.64	1.98	6.35	0.96	5.34	1.01	2.9	0.41	2.47	0.36	28.1	251
				D36-5	20-25	Tc: red beds ss	8.7	14.6	3.5	47	93.3	10.35	38.2	7.53	1.94	6.31	0.95	5.32	1.03	2.93	0.4	2.54	0.37	27.2	245
				D36-6	25-30	Tc: red beds ss	7.5	12.5	3	39.9	79.3	9.08	34.1	6.66	1.76	5.77	0.83	4.85	0.93	2.59	0.36	2.31	0.34	24.5	213
				D36-7	30-35	30% Tc: 70% Tsp:	11.6	5.7	1.9	59.1	120	14.4	55.1	10.8	2.54	8.69	1.29	7.21	1.38	3.83	0.5	3.01	0.41	34.7	323
				D36-8	35-40	Tsp:	15.5	4.5	1.3	65.3	141.5	16.8	64.8	12.25	2.77	10.55	1.48	8.59	1.67	4.75	0.69	4.27	0.61	40.1	376
				D36-9	40-45	Tsp:	15.4	4.9	1.4	60	127.5	15.35	59.8	11.65	2.6	9.41	1.39	8	1.54	4.51	0.64	4.04	0.56	37.7	345
				D36-10	45-50	Tsp:	14.8	4.2	1.5	77.1	159	18.7	72.2	14.3	3.35	11.8	1.65	9.22	1.77	4.96	0.68	4.1	0.56	43	422
				D36-11	50-55	Tsp:	14.5	3.7	1.5	75.1	162	19.3	75.1	14.35	3.39	11	1.54	8.55	1.61	4.41	0.6	3.71	0.52	40.8	422
				D36-12	55-60	Tsp:	14.8	6.3	1.3	64.6	138.5	15.45	60.5	11.4	2.86	9.11	1.33	7.51	1.43	4.04	0.56	3.47	0.5	34.1	355
				D36-13	60-65	Tsp:	16.6	3.8	1	53.3	112.5	13.1	49.8	9.5	2.35	7.52	1.11	6.49	1.22	3.41	0.48	2.97	0.41	31	295
				D36-14	65-70	Tsp:	13.6	2.9	0.9	38.2	85.4	10.1	39.4	7.87	2.06	6.78	1.02	5.89	1.13	3.27	0.47	2.89	0.41	27.1	232
				D36-15	70-75	Tsp:	13.5	2.9	0.8	47.3	109.5	13.1	52.2	10.35	2.53	8.9	1.27	7.35	1.4	3.99	0.55	3.43	0.48	33.6	296
				D36-16	75-80	Tsp:	16.7	6.3	0.9	61.9	133.5	15.65	60.4	12.3	2.93	10.9	1.58	8.92	1.72	4.9	0.68	4.14	0.58	39.4	360
D37	242768	3781459	1448	D37-1	0-5	Tc: red bed ss	9.7	12.4	2.5	49.1	99	11.05	42.3	8.33	2.1	6.85	1	5.58	1.07	3.05	0.42	2.6	0.39	28.6	261
				D37-2	5-10	Tc: red bed ss	9.9	15.7	3.1	53.3	97.5	11.9	42.7	7.97	1.69	7.29	0.97	5.77	1.09	3.01	0.42	2.65	0.4	31.3	268
				D37-3	10-15	Tc: red bed ss	11.7	14.2	3	49.3	115	13.5	49.4	9.16	2.29	9.78	1.21	6.09	1.22	3.48	0.48	3.01	0.47	34.8	299
				D37-4	15-20	50% Tc: red bed ss ; 50% Tsp:	12	10.6	3.2	47.3	110	13.1	48.6	9.05	2.36	9.72	1.22	6.2	1.24	3.49	0.48	3.02	0.47	34.5	291
				D37-5	20-25	Tsp:	13.4	4.8	2.4	51.6	128	15.25	57.8	10.5	2.35	10.8	1.32	6.75	1.34	3.84	0.55	3.64	0.56	34.4	329
				D37-6	25-30	Tsp:	17.4	4.7	1.7	58.6	147.5	18	68	12.25	2.62	12.55	1.58	8.15	1.65	4.81	0.71	4.66	0.72	41.5	383
				D37-7	30-35	Tsp:	16.3	4.5	1.3	54.9	141	16.65	62.7	11.6	2.5	12.1	1.52	7.78	1.57	4.56	0.65	4.25	0.64	39.4	362
				D37-8	35-40	Tsp:	17.7	4.6	1	66.2	175.5	20.7	79.2	14.3	3.05	14.75	1.83	9.44	1.92	5.53	0.79	5.08	0.78	48.1	447
				D37-9	40-45	Tsp:	18.3	5.1	1.2	71.1	183.5	21.8	82.8	14.65	2.86	14.8	1.8	8.88	1.78	5.11	0.72	4.52	0.69	44.8	460
				D37-10	45-50	Tsp:	18.1	2.7	1.1	42.2	93.3	12.5	50.3	9.3	1.94	7.4	1.06	5.97	1.19	3.5	0.53	3.64	0.53	31.3	265
				D37-11	50-55	Tsp:	13.4	2.3	1	41.4	89.1	12.45	51.8	9.59	2.18	7.98	1.05	5.85	1.1	3.18	0.48	3.12	0.46	28	258
				D37-12	55-60	Tsp:	15.2	2.9	0.7	56	123	15.7	62.7	11.25	2.51	9.12	1.3	7.24	1.43	4.15	0.63	4.12	0.6	35.9	336
				D37-13	60-65	Tsp:	15.8	3	0.8	74	164	21	86.5	15.7	3.41	12.75	1.66	8.84	1.68	4.74	0.68	4.38	0.64	46	446
				D37-14	65-70	Tsp:	15.3	3.4	0.7	55.9	121	15.7	63.4	11.45	2.39	9.67	1.32	7.53	1.46	4.31	0.65	4.22	0.6	37.2	337
				D37-15	70-75	Tsp:	19	3.6	0.7	61.8	130	16.3	65.2	11.7	2.42	9.88	1.39	7.92	1.59	4.69	0.74	4.63	0.69	46.5	365
				D37-16	75-80	Tsp:	15	3.7	0.8	49.2	107	13.6	55.1	10.2	2.13	8.72	1.24	7.03	1.38	4.11	0.61	4.05	0.59	38.6	304

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
D38	242796	3781471	1437	D38-1	0-5	Tc: red beds,. Ss 40% Tc: red beds,. Ss ; 60%	9.4	11.3	2.7	49.3	99.6	12.1	45.6	8.05	1.75	6.32	0.88	4.87	0.94	2.67	0.4	2.62	0.39	27.4	263
				D38-2	5-10	Tsp:	9.9	7.5	2.8	45	89.2	11.3	44.3	8.05	1.72	6.58	0.9	5.07	0.97	2.83	0.42	2.65	0.39	28.4	248
				D38-3	10-15	Tsp:	14.3	3.7	1.2	56	120	14.95	60	10.8	2.24	8.6	1.19	6.64	1.28	3.72	0.55	3.59	0.51	37.4	327
				D38-4	15-20	Tsp:	14.5	4.3	1	73.9	155	19.85	80	13.9	2.84	10.85	1.43	7.84	1.5	4.25	0.63	4.11	0.59	42.2	419
				D38-5	20-25	Tsp:	14.7	2.3	0.7	37.6	83	10.65	43.4	7.95	1.74	6.53	0.89	4.92	0.94	2.74	0.41	2.68	0.4	23.8	228
				D38-6	25-30	Tsp:	17.5	3.4	0.7	53.6	121.5	15.65	64.7	11.95	2.51	9.52	1.31	7.25	1.39	4.09	0.63	4.21	0.63	38.9	338
				D38-7	30-35	Tsp:	16	2.2	0.6	53.1	120	15.45	63.8	11.75	2.59	9.62	1.31	7.07	1.36	4	0.6	4	0.6	35.1	330
				D38-8	35-40	Tsp:	20.7	2.6	0.7	38.4	86.4	11	44.7	8.49	1.85	7.51	1.08	6.21	1.23	3.65	0.56	3.63	0.53	32.3	248
				D38-9	40-45	Tsp:	19.3	3.3	0.7	56.6	120	15.25	61.2	11.4	2.5	9.75	1.39	7.93	1.57	4.73	0.72	4.82	0.72	42.3	341
				D38-10	45-50	Tsp:	16.4	2.2	0.6	30.2	66.2	8.47	34.5	6.62	1.59	5.98	0.87	4.91	0.99	2.94	0.45	3.02	0.44	24.6	192
				D38-11	50-55	Tsp:	20.7	3.1	0.5	71.6	148	18.9	76.5	14.45	3.13	12.65	1.74	9.57	1.86	5.24	0.77	5.05	0.72	49.1	419
				D38-12	55-60	Tsp:	19	5.9	0.7	65.7	134	17.1	69.5	12.95	2.77	11.45	1.54	8.6	1.65	4.66	0.69	4.44	0.65	45.6	381
				D38-13	60-65	Tsp:	12.5	3	0.4	37.7	81.4	10.4	42.1	8.02	1.8	7.04	0.96	5.36	1.03	2.93	0.42	2.69	0.39	28	230
				D38-14	65-70	Tsp:	17.8	3.1	0.7	61	128	16.55	68.1	12.75	2.76	11.5	1.57	8.64	1.68	4.79	0.71	4.54	0.65	44	367
				D38-15	70-75	Tsp:	18.2	3.4	0.7	65.1	139	17.95	72.6	13.55	2.91	12.1	1.63	9.02	1.72	4.97	0.7	4.44	0.64	45	391
				D38-16	75-80	Tsp:	21.1	3.3	0.7	65.3	136.5	17.65	72.4	13.55	3.06	11.65	1.62	8.73	1.69	4.76	0.69	4.23	0.61	44.7	387
D39	242823	3781487	1441	D39-1	0-5	20% Tc: 80% Tsp:	11	7.5	1.5	47.3	95.2	11.75	45.8	8.26	1.87	6.86	0.93	5.01	0.98	2.84	0.4	2.54	0.37	29.5	260
				D39-2	5-10	Tsp:	12.6	8.2	1.7	51.5	106	13.05	51.7	9.53	2.11	8.02	1.12	6.26	1.2	3.43	0.49	3.18	0.46	33.2	291
				D39-3	10-15	Tsp:	12.4	6.6	1.8	51.5	101.5	12.9	50.7	9.11	2.03	7.61	1.06	5.92	1.15	3.2	0.47	3.03	0.46	31.5	282
				D39-4	15-20	Tsp:	14.4	4.2	1.8	74.3	156.5	19.95	80	14.6	2.97	11.65	1.59	8.53	1.6	4.51	0.65	4.24	0.59	44.1	426
				D39-5	20-25	Tsp:	15	3.3	0.9	61.1	128.5	16.6	67.1	12	2.58	10.1	1.37	7.54	1.47	4.3	0.64	4.2	0.6	39.6	358
				D39-6	25-30	Tsp:	22	13.2	1.8	90.3	188.5	23.1	91.3	15.9	3.3	11.85	1.56	8.34	1.56	4.37	0.64	4.14	0.6	41	486
				D39-7	30-35	Tsp:	15.4	5.7	1	63.6	131	16.7	67.1	11.65	2.66	9.98	1.34	7.2	1.35	3.86	0.57	3.61	0.51	35.5	357
				D39-8	35-40	Tsp:	14.6	4.1	0.7	55.5	121.5	15	59.5	10.55	2.43	9.13	1.25	6.81	1.28	3.72	0.54	3.49	0.5	33.9	325
				D39-9	40-45	Tsp:	14.2	4.9	0.9	62.1	128.5	17.15	69.6	12.3	2.78	10.5	1.39	7.38	1.37	3.92	0.56	3.61	0.5	36.1	358
				D39-10	45-50	Tsp:	13.3	2.9	0.7	43.3	95.5	12.75	51.6	9.35	2.12	7.74	1.05	5.68	1.07	3.05	0.44	2.83	0.39	27.4	264
				D39-11	50-55	Tsp:	16	2.7	0.6	56.7	126.5	16	65.3	11.75	2.65	9.93	1.32	7.21	1.38	3.94	0.57	3.71	0.53	35.4	343
				D39-12	55-60	Tsp:	15	2.7	0.5	50.4	109	13.95	56.4	10.35	2.27	9.03	1.23	6.91	1.32	3.74	0.55	3.49	0.5	36.4	306
				D39-13	60-65	Tsp:	17.5	3.2	0.7	32.7	67.8	8.56	33	6.79	1.71	6.18	0.93	5.89	1.16	3.4	0.48	2.98	0.42	30	202
				D39-14	65-70	Tsp:	19.6	4.5	0.7	52.8	127	15.2	57.9	11.2	2.47	12.05	1.54	7.94	1.61	4.46	0.62	3.78	0.56	41.7	341
				D39-15	70-75	Tsp:	17.7	4.1	0.7	57	112	14.05	53.5	10.65	2.76	10.8	1.46	8.6	1.66	4.65	0.64	3.89	0.56	44.3	327
				D39-16	75-80	Tsp:	18.3	3.7	0.6	54.1	132	15.8	60.9	11.85	2.51	12.7	1.68	8.92	1.85	5.24	0.73	4.52	0.68	48.1	362
D40	242851	3781501	1434	D40-1	0-5	Tsp:	11.1	8.1	1.6	43.9	104.5	12.4	46.6	8.75	2.07	9.41	1.17	5.82	1.19	3.32	0.46	2.78	0.44	32.9	276
				D40-2	5-10	Tsp:	16.5	6.3	1.4	54.9	107.5	13.3	50.1	9.48	2.52	9.34	1.22	7.06	1.33	3.71	0.5	3.04	0.43	36.9	301
				D40-3	10-15	Tsp:	17.1	4	1	54.9	113	13.75	53.1	10.2	2.7	10.05	1.29	7.35	1.4	3.82	0.51	3.01	0.42	37.4	313
				D40-4	15-20	Tsp:	15.7	5.2	0.9	55.2	134.5	16.2	62.8	11.9	2.71	12.6	1.55	7.67	1.5	4.09	0.53	3.12	0.46	40.7	356
				D40-5	20-25	Tsp:	17.2	5.2	0.9	59.7	120.5	15.25	60	11.55	3.26	11.35	1.44	7.95	1.44	3.8	0.49	2.73	0.38	39	339
				D40-6	25-30	Tsp:	15.4	4.5	0.9	83	171	21.3	90	16.75	3.4	12.2	1.6	9.26	1.69	4.52	0.55	3.29	0.45	43.5	463
				D40-7	30-35	Tsp:	14.4	3.1	0.8	85.9	173.5	21.7	92.8	17.35	3.61	13	1.73	9.81	1.82	4.82	0.6	3.55	0.49	49.2	480
				D40-8	35-40	Tsp:	15	3	0.6	76.6	164.5	20	84.2	15.9	4.39	11.5	1.55	9.29	1.75	4.89	0.63	3.86	0.56	45.5	445
				D40-9	40-45	Tsp:	13.6	3.4	0.6	70.4	149.5	17.55	72.6	13.45	3.63	9.86	1.34	7.93	1.48	4.09	0.53	3.25	0.46	39.8	396
				D40-10	45-50	Tsp:	18.3	4.6	0.9	79.6	163.5	19.7	80.3	14.6	3.06	10.9	1.51	8.93	1.72	4.8	0.62	3.75	0.54	42.3	436
				D40-11	50-55	Tsp:	20.1	2.7	0.7	50.8	113.5	14.25	60.7	12.15	2.53	9.42	1.37	8.52	1.63	4.72	0.62	3.74	0.54	40.9	325
				D40-12	55-60	Tsp:	17.5	2.9	0.7	52	107.5	13.3	54.9	10.85	2.2	8.55	1.25	7.83	1.51	4.4	0.59	3.7	0.53	41.6	311

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D40-13	60-65	Tsp:	15.5	3.2	0.7	63.3	129	15.95	67.3	13.25	2.7	10.65	1.45	8.48	1.61	4.51	0.58	3.46	0.5	43.7	366
				D40-14	65-70	Tsp:	22.6	1.5	0.5	28.6	59.9	7.78	34.4	7.52	1.82	6.12	0.9	5.47	1.04	2.96	0.37	2.22	0.31	28.7	188
				D40-15	70-75	Tsp:	18.2	2.8	0.6	66.5	138	16.85	69.6	13.2	2.79	9.62	1.37	8.3	1.58	4.42	0.57	3.35	0.47	41.4	378
				D40-16	75-80	Tsp:	16.2	3.1	0.7	72.5	147.5	18.25	75.3	14	3.02	10.95	1.49	8.73	1.63	4.53	0.58	3.43	0.49	45	407
D41	242879	3781515	1432	D41-1	0-5	Tsp:	15.6	6.1	1.1	75.9	154.5	18.7	75.9	13.75	2.8	10.1	1.35	7.9	1.44	3.98	0.51	3.05	0.42	39.6	410
				D41-2	5-10	Tsp:	15.6	4.7	0.9	82.7	163.5	20.5	85.4	15.65	3.03	11.2	1.49	8.51	1.55	4.16	0.52	3.09	0.42	43	445
				D41-3	10-15	Tsp:	16.2	2.9	0.8	60.5	132	16.6	70.2	13.2	2.61	9.27	1.27	7.6	1.4	3.89	0.49	2.98	0.41	35.8	358
				D41-4	15-20	Tsp:	20.4	4	0.9	95.1	193	24	98.8	18.1	3.48	13.4	1.84	10.7	2.03	5.51	0.7	4.13	0.58	53.8	525
				D41-5	20-25	Tsp:	19.2	2.6	0.8	71.8	156	19	79.1	14.85	2.92	11.15	1.53	9.1	1.73	4.9	0.62	3.83	0.53	45.9	423
				D41-6	25-30	Tsp:	19.8	3.1	0.6	69.2	151	18.75	78.5	14.75	2.95	11.05	1.51	9.01	1.68	4.67	0.61	3.66	0.51	41.8	410
				D41-7	30-35	Tsp:	19.2	4.2	0.9	95.9	192.5	24.6	103	18.9	3.77	14	1.87	10.8	2.02	5.54	0.69	4.09	0.58	52.9	531
				D41-8	35-40	Tsp:	18.8	4.8	1	89.5	188	23.1	95.3	17.65	3.45	13.2	1.78	10.6	1.99	5.42	0.7	4.23	0.59	53.1	509
				D41-9	40-45	Tsp:	20.7	4.1	0.8	80.5	167.5	20.1	82.6	16.1	3.06	12.4	1.75	10.8	2.07	5.78	0.75	4.74	0.67	56.2	465
				D41-10	45-50	Tsp:	19.9	4	1	84.4	167.5	20.4	84	15.9	3.06	12.5	1.76	10.65	2.07	5.78	0.76	4.81	0.67	54.2	468
				D41-11	50-55	Tsp:	18.7	4	0.8	77.5	156.5	19	77.4	15	3	12.25	1.75	10.65	2.05	5.89	0.76	4.69	0.67	51.8	439
				D41-12	55-60	Tsp:	17.3	4.1	0.9	74.3	156.5	18.95	79	14.85	2.88	11.4	1.58	9.56	1.8	5.14	0.66	4.1	0.58	49.3	431
				D41-13	60-65	Tsp:	17.8	6.2	0.9	88.9	185.5	22.3	90.8	16.7	3.17	12.7	1.78	10.6	2.04	5.66	0.74	4.67	0.66	56.7	503
				D41-14	65-70	Tsp:	17	4.7	1	87.6	174	21.2	85.6	15.8	3.33	12.9	1.86	11.1	2.12	5.95	0.78	4.83	0.68	52.3	480
				D41-15	70-75	Tsp:	18.3	5.3	0.8	67.5	149	17.5	67.1	14	3.15	11.85	1.73	10.3	2.03	5.85	0.84	4.86	0.71	57.1	414
				D41-16	75-80	Tsp:	15.2	5.6	0.8	48.6	112.5	13.1	51.2	10.75	2.44	9.41	1.41	8.56	1.69	4.91	0.67	4.03	0.59	45.5	315
D42	242906	3781531	1434	D42-1	0-5	Tsp:	12.3	4.7	1.1	57.3	116.5	14.4	55.4	10.75	2.6	8.67	1.19	6.99	1.31	3.66	0.49	2.86	0.4	37.3	320
				D42-2	5-10	Tsp:	14.6	4.6	1.2	60.3	130	15.65	60.1	11.85	2.79	9.43	1.35	7.79	1.49	4.15	0.55	3.1	0.44	41.5	350
				D42-3	10-15	Tsp:	16.9	3.8	1	67.9	148.5	17.65	69.1	13.55	3.06	11.3	1.53	8.74	1.69	4.62	0.61	3.45	0.5	47.3	400
				D42-4	15-20	Tsp:	17.5	3.2	1	51.3	113	13.8	53.2	10.5	2.72	9.42	1.28	7.51	1.41	4.05	0.53	3.12	0.44	39	311
				D42-5	20-25	Tsp:	18.4	3.8	0.7	64.9	140	16.55	63.4	12.7	2.9	11	1.61	9.22	1.78	5.15	0.7	4.12	0.59	51.1	386
				D42-6	25-30	Tsp:	22.7	4.2	0.7	70.1	147	17.9	68.4	13.7	3.08	12.1	1.72	10.2	2	5.88	0.81	4.7	0.69	54.6	413
				D42-7	30-35	Tsp:	18.8	4.2	0.8	59.2	120	14.5	56.1	11.25	2.5	9.6	1.39	8.39	1.64	4.74	0.66	3.91	0.56	47.1	342
				D42-8	35-40	Tsp:	20.2	4.3	0.9	60.2	123.5	14.95	57.3	11.6	2.73	10.3	1.5	8.9	1.73	4.92	0.69	4.1	0.59	49.7	353
				D42-9	40-45	Tsp:	17.7	5.5	1	65.4	139.5	16.45	63.1	12.65	2.87	11.2	1.63	9.76	1.9	5.56	0.75	4.51	0.65	53.5	389
				D42-10	45-50	Tsp:	14.1	4.6	0.9	50.1	109.5	13.45	52.7	10.9	2.48	9.51	1.43	8.7	1.71	4.98	0.69	4.17	0.61	45.4	316
				D42-11	50-55	Tsp:	14.5	4.1	1	79.7	169.5	20.1	80	16.3	3.95	14	1.98	11.2	2.13	6.05	0.83	4.85	0.69	61.9	473
				D42-12	55-60	Tsp:	15.8	4.5	0.9	59.7	130	15.25	58.3	11.8	2.75	10.35	1.51	9.09	1.79	5.12	0.69	4.1	0.6	50.1	361
				D42-13	60-65	Tsp:	16	5.8	0.9	61.8	132.5	15.35	57.6	11.45	2.6	9.98	1.48	8.97	1.77	5.05	0.7	4.23	0.61	49.9	364
				D42-14	65-70	Tsp:	18.8	5.7	0.9	73.4	154	17.75	67.3	13.05	2.91	11.5	1.65	9.63	1.84	5.36	0.75	4.37	0.62	51.9	416
				D42-15	70-75	Tsp:	13.5	5.4	1.1	57	116	13.6	52.2	10.1	2.3	8.72	1.22	6.95	1.34	3.8	0.54	3.04	0.44	39.1	316
				D42-16	75-80	Tsp:	8.7	5.4	1.5	39.3	80	9.49	35.4	6.94	1.64	5.83	0.82	4.66	0.89	2.55	0.34	2	0.29	25.4	216
D43	242932	3781546	1437	D43-1	0-5	Tsp:	13.5	3.8	0.9	57.5	122	14.75	56.9	11.2	2.62	9.24	1.3	7.49	1.44	4.04	0.54	3.2	0.46	41.9	335
				D43-2	5-10	Tsp:	16.5	3.5	0.9	64.7	142.5	17.25	66.9	13.35	3.21	11.3	1.59	9.13	1.74	4.96	0.67	3.81	0.55	48.7	390
				D43-3	10-15	Tsp:	18.1	4	0.9	73	152.5	18.2	69.9	13.85	3.17	12.05	1.71	9.92	1.9	5.36	0.73	4.21	0.61	53.6	421
				D43-4	15-20	Tsp:	19.5	2.8	0.9	50.3	106.5	12.75	49.5	10	2.31	9.06	1.3	7.72	1.51	4.3	0.6	3.51	0.5	42.9	303
				D43-5	20-25	Tsp:	18.6	2.9	0.9	51.5	106.5	12.7	48.9	9.9	2.54	9.47	1.35	8.07	1.57	4.49	0.61	3.62	0.53	43.8	306
				D43-6	25-30	Tsp:	19.6	3.2	1	56.1	111.5	13.75	53.1	11	2.81	10.4	1.5	8.92	1.77	5.06	0.68	3.99	0.59	50.6	332
				D43-7	30-35	Tsp:	18.7	2.6	0.9	42.4	94.1	11.35	44.6	9.41	2.38	9.11	1.34	7.91	1.55	4.51	0.6	3.54	0.5	42.5	276
				D43-8	35-40	Tsp:	22.8	1.5	0.6	29.7	61.8	7.76	30.4	6.63	1.54	6.22	0.96	5.97	1.17	3.47	0.47	2.82	0.4	33	192
				D43-9	40-45	Tsp:	22.8	2.5	0.9	44.1	96.7	11.65	45	9.29	2.12	8.72	1.27	7.61	1.48	4.24	0.59	3.51	0.51	41.5	278
				D43-10	45-50	Tsp:	21.8	3	0.8	47.7	106	12.7	49.5	10.25	2.32	9.51	1.38	8.15	1.6	4.64	0.63	3.71	0.53	44.5	303
				D43-11	50-55	Tsp:	19.5	3.5	0.7	56.5	123	14.5	55.2	11.25	2.51	9.97	1.47	8.76	1.75	4.99	0.7	4.17	0.6	49	344
				D43-12	55-60	Tsp:	18.5	3.8	0.7	64.8	134	15.85	61.6	12.3	2.67	10.75	1.52	9.01	1.78	5.07	0.71	4.04	0.59	50	375

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D43-13	60-65	Tsp:	16.6	3.1	0.6	54.5	114.5	13.55	52.2	10.5	2.26	8.94	1.32	7.74	1.5	4.31	0.59	3.51	0.5	42.2	318
				D43-14	65-70	Tsp:	17.7	3.1	0.6	56.8	116.5	13.9	53	10.7	2.36	9.26	1.33	7.81	1.54	4.41	0.6	3.55	0.52	42.9	325
				D43-15	70-75	Tsp:	17.6	3.2	0.6	49.7	107	12.9	50.3	10.6	2.35	9.21	1.38	8.21	1.65	4.82	0.67	4	0.59	44.8	308
				D43-16	75-80	Tsp:	19.1	3.5	0.6	62.5	129.5	15.3	59.3	12	2.6	10.45	1.51	8.96	1.78	5.14	0.72	4.22	0.63	51.1	366
D44	242959	3781561	1443	D44-1	0-5	Tsp:	10.7	4.5	2.2	49.9	99.6	11.75	44.9	8.52	2.05	6.65	0.92	5.26	1	2.84	0.38	2.3	0.34	29.9	266
				D44-2	5-10	Tsp:	13.2	4	1.4	48	117	13.55	51.7	9.59	2.15	10.1	1.26	6.31	1.25	3.41	0.45	2.71	0.41	33.5	301
				D44-3	10-15	Tsp:	17.9	3.3	1.1	40.9	83.8	10.6	40.6	8.32	2.42	8.86	1.21	7.23	1.39	3.87	0.52	3.09	0.44	37	250
				D44-4	15-20	Tsp:	19.2	3.3	1	45.1	96.5	11.9	45.5	9.42	2.58	9.54	1.33	7.96	1.54	4.26	0.57	3.33	0.47	41.4	281
				D44-5	20-25	Tsp:	21.7	3.4	1.4	53	105	13.45	52.8	10.95	3.02	11.25	1.51	8.85	1.67	4.5	0.6	3.57	0.5	44.7	315
				D44-6	25-30	Tsp:	20.5	2.4	1.9	22.9	49.2	6.83	28.1	6.58	2.26	8.01	1.16	7.08	1.37	3.83	0.52	3.15	0.44	32	173
				D44-7	30-35	Tsp:	18.4	2.3	1	32.7	73.1	9.4	37.2	8.02	2.42	8.86	1.24	7.44	1.45	3.97	0.54	3.22	0.46	34.6	225
				D44-8	35-40	Tsp:	16	3	1.1	57.5	116.5	15.1	59.9	11.7	3.1	11.2	1.47	8.29	1.57	4.16	0.55	3.19	0.45	42.7	337
				D44-9	40-45	Tsp:	18	2.9	1	59.7	125.5	15.85	61.8	12.25	3.33	11.65	1.53	8.72	1.65	4.41	0.59	3.5	0.49	44.3	355
				D44-10	45-50	Tsp:	15.3	2.5	1	37.3	74	9.93	39.7	7.78	2.15	7.51	1.01	5.83	1.09	2.99	0.38	2.34	0.33	29.1	221
				D44-11	50-55	Tsp:	16.2	2.7	0.8	42.9	85	11.55	45.2	9.04	2.44	8.49	1.14	6.64	1.26	3.37	0.45	2.72	0.38	33.5	254
				D44-12	55-60	Tsp:	15.9	2.8	0.8	45.6	92	11.9	46.6	9.25	2.36	8.57	1.16	6.83	1.29	3.52	0.47	2.72	0.39	36.9	270
				D44-13	60-65	Tsp:	16.5	2.9	0.7	54.5	115	14.3	56.2	10.9	2.97	10.2	1.38	7.99	1.5	4.06	0.54	3.21	0.46	40.7	324
				D44-14	65-70	Tsp:	16.9	2.9	0.8	54.9	113	14.2	56.4	10.9	2.81	9.98	1.32	7.63	1.44	3.87	0.5	2.99	0.43	40.7	321
				D44-15	70-75	Tsp:	18.7	3.2	0.8	49.5	100.5	13.15	51.7	10.3	2.67	10.1	1.36	7.89	1.5	4.11	0.55	3.24	0.46	41.4	298
				D44-16	75-80	Tsp:	17.3	3.2	0.8	49.7	105.5	13.1	51.5	10.15	2.65	9.57	1.32	7.61	1.45	3.95	0.51	3.12	0.44	37.9	298
D45	242986	3781572	1451	D45-1	0-5	Tsp:	17.9	4.7	0.9	62.7	154.5	18.65	71.8	14	2.85	14.75	1.89	9.69	1.97	5.44	0.72	4.44	0.66	52	416
				D45-2	5-10	Tsp:	20.1	5.5	1	93.3	178.5	21.8	84.1	15.85	3.53	13.3	1.78	10.3	1.94	5.3	0.71	4.19	0.61	57.5	493
				D45-3	10-15	Tsp:	18.5	3.6	0.7	59.8	149.5	18.3	71	13.95	3.13	15	1.92	10	2.01	5.57	0.75	4.52	0.69	52.1	408
				D45-4	15-20	Tsp:	16.8	3.6	0.7	65.2	134.5	16.5	62.1	12.55	3	10.9	1.66	9.29	1.88	5.24	0.72	4.03	0.63	48.6	377
				D45-5	20-25	Tsp:	17.7	3.6	0.7	68.3	138.5	17	64	13.3	3.23	11.6	1.71	9.47	1.96	5.29	0.73	4.14	0.65	49.6	389
				D45-6	25-30	Tsp:	17.5	3.4	0.7	66.4	136.5	16.8	64.1	13.3	3.35	11.7	1.76	9.81	2	5.63	0.77	4.3	0.67	50.5	388
				D45-7	30-35	Tsp:	16.8	3	0.7	62.1	130	16.05	61.4	12.5	3.18	11.2	1.69	9.25	1.88	5.24	0.71	3.98	0.62	45.9	366
				D45-8	35-40	Tsp:	8.5	3.1	0.6	29.9	61.6	7.33	28.3	5.74	1.53	5.06	0.76	4.28	0.87	2.36	0.32	1.81	0.28	22.2	172
				D45-9	40-45	Tsp:	9.3	4.7	0.9	41.1	82.3	9.22	34.7	6.5	1.65	5.02	0.73	3.9	0.78	2.01	0.27	1.42	0.21	20.8	211
				D45-10	45-50	Tsp:	12	4	0.7	44.4	90.2	10.65	39.8	7.84	2.12	6.64	0.97	5.38	1.08	2.91	0.4	2.21	0.33	27.7	243
				D45-11	50-55	Tsp:	17.5	3.7	0.8	56.5	121.5	14.85	55	11.35	2.95	10.05	1.51	8.39	1.73	4.73	0.65	3.64	0.55	41.7	335
				D45-12	55-60	Tsp:	16.9	3.7	0.9	55.3	116.5	14.25	53.2	10.95	2.61	9.25	1.42	8.04	1.65	4.57	0.65	3.64	0.59	42.5	325
				D45-13	60-65	Tsp:	16.9	3.4	0.9	63.8	133	15.85	59.2	11.75	2.91	9.81	1.45	7.96	1.61	4.45	0.61	3.42	0.55	41.5	358
				D45-14	65-70	Tsp:	16.9	4	0.9	61.4	131.5	15.75	58.5	11.7	2.77	10.1	1.48	8.18	1.65	4.48	0.62	3.48	0.56	42.8	355
				D45-15	70-75	Tsp:	17	3.5	0.8	53.2	113.5	13.5	50.3	10.05	2.34	8.25	1.24	7.01	1.42	3.9	0.54	2.98	0.46	36.7	305
				D45-16	75-80	Tsp:	23.1	3.3	0.8	56.1	117	14.05	51.4	10.35	2.57	8.79	1.33	7.45	1.55	4.24	0.59	3.29	0.52	40.7	320
D46	243014	3781587	1469	D46-1	0-5	Tsp:	19.1	6.2	1.5	98.3	196.5	22.6	80.7	13.65	2.94	9.84	1.31	6.65	1.32	3.5	0.47	2.56	0.4	36.4	477
				D46-2	5-10	Tsp:	22.4	5.5	1.7	77.7	152.5	18.05	65.9	11.75	2.98	8.78	1.12	5.63	1.1	2.86	0.38	2.05	0.31	30.8	382
				D46-3	10-15	Tsp:	18.3	4.6	0.9	81.8	166.5	19.55	72.6	13.65	3.28	11.1	1.55	8.34	1.65	4.48	0.61	3.35	0.51	42.6	432
				D46-4	15-20	Tsp:	18.2	5.2	0.7	100.5	219	22.9	89.6	17.1	3.72	15.15	2.02	11.35	2.16	5.83	0.77	4.62	0.67	58.3	554
				D46-5	20-25	Tsp:	17.1	4.9	0.7	85.8	187	19.5	76.7	15.05	3.13	13.3	1.84	10.6	2.05	5.65	0.78	4.65	0.68	56.2	483
				D46-6	25-30	Tsp:	18.5	2.2	0.6	49.9	105.5	11	44.2	9.03	2.47	8.59	1.19	7.14	1.36	3.72	0.49	2.92	0.41	36.8	285
				D46-7	30-35	Tsp:	19.3	2.7	0.5	60.6	128.5	13.55	53.5	10.95	2.69	10.35	1.46	8.56	1.65	4.57	0.62	3.69	0.53	45	346
				D46-8	35-40	Tsp:	8	1.9	0.5	24.2	49	6.47	26.7	5.32	1.25	4.75	0.71	4.22	0.81	2.29	0.31	2	0.29	19.7	148
				D46-9	40-45	Tsp:	4.3	2	0.6	16.8	32.2	4.01	16	3.23	0.75	2.88	0.44	2.51	0.48	1.38	0.19	1.21	0.17	12.6	95
				D46-10	45-50	Tsp:	16.3	3.7	0.7	76.7	174.5	18.7	75.5	14.85	2.55	12.75	1.75	10	1.92	5.22	0.7	4.16	0.59	52.7	453
				D46-11	50-55	Tsp:	16.5	3.7	0.6	80.6	175.5	18.8	74.8	14.6	2.8	13	1.76	10.05	1.93	5.32	0.71	4.23	0.6	52.8	458
				D46-12	55-60	Tsp:	22.7	5.5	1.1	96.8	206	22.1	87.3	16.7	3.72	14.35	1.84	9.91	1.83	4.88	0.64	3.74	0.53	49.2	520

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D46-13	60-65	Tsp:	15.9	4.8	0.7	82.7	172	17.65	68.7	13.3	2.95	11.55	1.56	8.91	1.67	4.45	0.59	3.52	0.5	44.1	434
				D46-14	65-70	Tsp:	16.9	3.3	0.5	93.6	205	21.6	84.7	16.4	3.94	14.2	1.89	10.5	1.96	5.26	0.7	4.15	0.61	53.8	518
				D46-15	70-75	Tsp:	15.9	2.9	0.4	82.4	185	19.7	78.3	15.4	3.89	13.1	1.75	9.85	1.81	4.77	0.63	3.75	0.56	49.2	470
				D46-16	75-80	Tsp:	22.6	2.8	0.6	61.1	131	14	56.5	11.5	3.02	10.45	1.4	7.99	1.5	4.05	0.53	3.17	0.46	41.4	348
D47	243037	3781602	1483	D47-1	0-5	Tsp:	21.9	4.8	0.9	91.9	197	20.6	81.6	16.15	3.33	14.55	1.99	11.6	2.22	6.15	0.84	5.15	0.77	61.9	516
				D47-2	5-10	Tsp:	21	4.9	0.8	92.8	201	21.2	84.2	16.4	3.13	14.9	2.03	11.65	2.22	6.12	0.84	5.07	0.77	60.1	522
				D47-3	10-15	Tsp:	12.5	5.8	0.9	61.7	139.5	14.4	55.8	10.85	1.71	9.4	1.31	7.47	1.4	3.74	0.5	2.92	0.43	39.5	351
				D47-4	15-20	Tsp:	7	4.6	0.7	33.3	73.2	7.51	28.7	5.53	1.08	4.79	0.66	3.74	0.7	1.83	0.24	1.37	0.19	18.8	182
				D47-5	20-25	Tsp:	9.5	5	0.8	43.1	91.6	9.17	36.2	6.97	1.54	6.2	0.86	4.91	0.93	2.46	0.33	1.9	0.26	25.2	232
				D47-6	25-30	Tsp:	10.9	4.6	0.8	50.8	111	11.7	46.6	9.11	2.07	7.97	1.11	6.5	1.21	3.25	0.44	2.51	0.36	33.6	288
				D47-7	30-35	Tsp:	16	3.6	0.6	73.2	155.5	16.3	63.4	12.5	2.82	11	1.52	8.69	1.67	4.64	0.62	3.71	0.54	47.2	403
				D47-8	35-40	Tsp:	21.1	6.5	2.5	107	235	24	93.9	18.3	3.54	15.7	2.1	12.15	2.29	6.21	0.84	5.03	0.73	64.8	592
				D47-9	40-45	Tsp:	21.2	5.6	1.7	91.6	227	23.8	92.9	18.1	3.83	16.25	2.23	12.9	2.45	6.71	0.91	5.42	0.8	67.1	572
				D47-10	45-50	Tsp:	17.2	5.5	1	90.5	197	20.7	81.3	15.55	3.32	13.4	1.8	10.3	1.93	5.22	0.7	4.08	0.59	53.7	500
				D47-11	50-55	Tsp:	18.5	5.9	0.8	97.1	226	24.5	96.7	18.55	3.88	16	2.14	12.05	2.25	6.19	0.82	4.83	0.68	62.2	574
				D47-12	55-60	Tsp:	18.2	3.7	0.9	81	183	19.9	79.9	15.75	3.31	13.75	1.88	10.8	2.03	5.49	0.74	4.33	0.63	55.2	478
				D47-13	60-65	Tsp:	18	3.8	0.8	72.5	161	17.35	69.5	14	2.94	12.35	1.71	9.97	1.9	5.2	0.7	4.13	0.59	54.3	428
				D47-14	65-70	Tsp:	18.4	4.3	0.6	82.7	182	18.85	73.5	14.4	3.39	12.35	1.71	9.89	1.89	5.09	0.69	4.22	0.63	51.8	463
				D47-15	70-75	Tsp:	13.1	3.4	0.5	66.7	149	15.45	60.2	11.75	3.16	9.82	1.35	7.8	1.48	3.99	0.53	3.24	0.51	39.9	375
				D47-16	75-80	Tsp:	16.6	3.1	0.5	84.4	191	20.1	79.9	15.6	3.93	12.85	1.74	9.89	1.83	4.91	0.67	3.99	0.6	50.4	482
D48	243063	3781618	1476	D48-1	0-5	Tsp:	15.8	4.3	0.9	47.8	97.9	10.15	40.3	7.55	1.71	6.71	0.89	5.06	0.97	2.68	0.36	2.14	0.31	27.9	252
				D48-2	5-10	Tsp:	16.8	5.4	0.9	68.6	146.5	15.35	60.4	11.95	2.44	10.45	1.43	8.24	1.55	4.26	0.59	3.58	0.5	44.1	380
				D48-3	10-15	Tsp:	16.8	7.1	1	105	214	21.3	79.1	13.65	2.66	11.55	1.51	8.28	1.55	4.24	0.57	3.43	0.49	43.8	511
				D48-4	15-20	Tsp:	16.3	8.1	1.2	111	226	22.4	84.3	14.7	2.93	12.4	1.55	8.2	1.49	3.94	0.52	3.08	0.45	41.6	535
				D48-5	20-25	Tsp:	21	12.9	1.8	155	339	34	126.5	21.5	4.94	17.55	2.14	11.45	2.07	5.37	0.69	3.99	0.59	56.7	781
				D48-6	25-30	Tsp:	16.1	6	1	96.8	208	21.7	85.9	15.95	3.19	13.45	1.77	9.97	1.86	5	0.66	3.77	0.54	52.7	521
				D48-7	30-35	Tsp:	19.8	4.7	0.7	76.1	164.5	21	81.3	14.05	3.55	13.3	1.8	9.88	1.87	4.98	0.64	3.69	0.52	46.7	444
				D48-8	35-40	Tsp:	16.6	3.4	0.6	74.6	162	20.8	82.9	14.25	3.67	12.95	1.75	9.67	1.8	4.85	0.62	3.67	0.54	45.1	439
				D48-9	40-45	Tsp:	16.5	5.3	0.7	74.7	154	19	72.4	12.4	3.35	11.3	1.55	8.48	1.65	4.43	0.57	3.4	0.5	40.9	409
				D48-10	45-50	Tsp:	18.3	2.7	0.5	60.5	128	16.6	66.1	11.6	3.2	10.95	1.48	8.17	1.57	4.22	0.54	3.21	0.47	41.1	358
				D48-11	50-55	Tsp:	18.7	2.3	0.5	60.5	133.5	17.1	67.6	11.8	3.6	11.3	1.54	8.51	1.63	4.47	0.57	3.44	0.51	39.5	366
				D48-12	55-60	Tsp:	16.9	3.5	0.6	70.2	155	20.4	79.6	13.7	4.06	12.5	1.7	9.42	1.8	4.91	0.64	3.82	0.59	44.8	423
				D48-13	60-65	Tsp:	18.3	3.3	0.5	78.4	172.5	22.4	88.9	15.45	4.3	14.85	1.96	10.75	2.04	5.53	0.72	4.29	0.64	49	472
				D48-14	65-70	Tsp:	17.3	3	0.5	65.7	146.5	18.45	73.6	12.75	3.76	11.9	1.6	8.88	1.7	4.6	0.59	3.54	0.54	41.8	396
				D48-15	70-75	Tsp:	17.4	4.1	0.4	48.1	105.5	13.3	53	9.55	2.85	9.65	1.37	7.71	1.52	4.16	0.55	3.33	0.5	37	298
				D48-16	75-80	Tsp:	17.7	5.4	0.7	70	142	18.4	71.4	12.25	3.35	11.8	1.6	8.91	1.71	4.64	0.6	3.66	0.55	44.2	395
D49	243093	3781635	1464	D49-1	0-5	Tsp:	15.1	5.4	1.8	75	155	20.1	78.7	13.25	3.39	12.65	1.66	8.98	1.72	4.69	0.6	3.6	0.53	43.3	423
				D49-2	5-10	Tsp:	17.1	3.8	0.9	71.5	157	19.95	80.4	13.8	3.74	13.05	1.68	9.31	1.76	4.69	0.6	3.53	0.52	44.2	426
				D49-3	10-15	Tsp:	24.3	12.5	1.3	81	165	21.8	86.1	14.9	4.25	13.85	1.66	8.84	1.62	4.38	0.55	3.29	0.5	42.3	450
				D49-4	15-20	Tsp:	14.7	12.9	1.1	76.1	161.5	19.15	72.9	11.75	2.96	10.4	1.33	7.06	1.36	3.69	0.47	2.85	0.44	34	406
				D49-5	20-25	Tsp:	17.6	5.9	0.8	81.9	165	21.5	86.5	14.85	4.12	14.05	1.79	9.62	1.82	4.86	0.61	3.63	0.54	46.5	457
				D49-6	25-30	Tsp:	28.9	1.2	0.4	20.1	42	6.07	25.8	5.07	2.14	5.75	0.79	4.45	0.86	2.35	0.3	1.84	0.29	22.6	140
				D49-7	30-35	Tsp:	25.1	2.3	0.6	45.3	95.5	12.5	50.6	8.77	2.94	8.62	1.16	6.42	1.23	3.38	0.44	2.62	0.39	31.2	271
				D49-8	35-40	Tsp:	16.8	2.8	0.5	58.6	130	16.65	67.3	11.8	3.57	11.25	1.5	8.3	1.6	4.31	0.55	3.27	0.5	39.2	358
				D49-9	40-45	Tsp:	16.2	2.9	0.5	69.1	154.5	19.7	77.9	13.45	3.9	12.35	1.65	9.15	1.75	4.74	0.61	3.67	0.56	42.8	416
				D49-10	45-50	Tsp:	17.6	2.9	0.5	77.6	170	22.2	87.1	14.95	3.99	13.5	1.8	9.82	1.86	5.02	0.64	3.87	0.59	46.8	460
				D49-11	50-55	Tsp:	17.5	3.3	0.5	65.7	143.5	18.1	70.3	12.1	3.56	11.15	1.52	8.46	1.62	4.35	0.57	3.41	0.51	40.1	385
				D49-12	55-60	Tsp:	20.7	2.7	0.7	42.5	89.4	11.65	47.2	8.28	2.7	8.36	1.1	6.02	1.16	3.15	0.4	2.5	0.37	28.7	253

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D49-13	60-65	Tsp:	21.6	2.3	0.6	31.1	65	8.65	34.4	6	2.12	5.83	0.76	4.22	0.81	2.17	0.28	1.67	0.25	20.5	184
				D49-14	65-70	Tsp:	18.3	3.8	0.6	51.2	108	13.8	56	9.8	2.82	9.99	1.35	7.58	1.48	4.06	0.52	3.21	0.48	36.3	307
				D49-15	70-75	Tsp:	19.7	3.9	0.5	72.2	152	19.2	75	13.4	3.47	13.4	1.85	10.35	2.01	5.55	0.72	4.41	0.66	49.5	424
				D49-16	75-80	Tsp:	17.4	3.9	0.5	74.3	154.5	19.65	76.6	13.45	3.36	13.4	1.82	10.1	1.95	5.33	0.69	4.17	0.63	48.4	428
D51	243146	3781666	1469	D51-1	0-5	Tsp:	14.3	5.4	1	67.6	150.5	15.75	64.6	11.8	2.5	9.94	1.38	7.54	1.42	3.91	0.45	2.84	0.41	42.3	383
				D51-2	5-10	Tsp:	14.6	6.3	0.9	75.2	157.5	15.7	61.4	10.95	2.66	9.36	1.24	7.12	1.32	3.61	0.41	2.62	0.37	38.1	388
				D51-3	10-15	Tsp:	20.5	2.2	0.5	24.9	57.1	6.1	25.4	5.03	1.53	4.91	0.68	4.03	0.76	2.18	0.25	1.6	0.22	19.6	154
				D51-4	15-20	Tsp:	18.7	2.4	0.4	23.3	54.2	5.72	23	4.45	1.29	4.03	0.59	3.35	0.64	1.8	0.21	1.32	0.17	18	142
				D51-5	20-25	Tsp:	15.6	3.2	0.5	62.8	145.5	15.3	62.1	11.35	2.75	9.55	1.33	7.48	1.38	3.87	0.44	2.73	0.39	38.6	366
				D51-6	25-30	Tsp:	13.6	3.9	0.5	80.2	179.5	19.35	78	14.55	3.39	12.4	1.68	9.06	1.68	4.75	0.53	3.29	0.47	47.2	456
				D51-7	30-35	Tsp:	17.6	3.7	0.6	85.6	201	22	89.7	16.7	3.72	14.55	1.9	10.45	1.96	5.47	0.61	3.65	0.52	52.7	511
				D51-8	35-40	Tsp:	11.1	3.2	0.7	60.8	134.5	14.6	60.8	11.2	2.68	9.25	1.25	6.85	1.3	3.56	0.41	2.58	0.37	37.2	347
				D51-9	40-45	Tsp:	14.5	2.9	0.6	71.6	167	17.7	72.2	13.15	3.26	10.85	1.5	8	1.46	4.22	0.48	3.07	0.44	43.8	419
				D51-10	45-50	Tsp:	16.1	2.9	0.4	79	186.5	19.8	79.8	14.35	3.68	12.2	1.63	9.07	1.64	4.62	0.53	3.33	0.48	48.5	465
				D51-11	50-55	Tsp:	16	3.2	0.4	79.8	180.5	19.4	79	14.55	3.87	12.4	1.68	9.22	1.75	4.85	0.55	3.51	0.51	48.1	460
				D51-12	55-60	Tsp:	17.7	3.7	0.5	85.1	193	20.7	83.7	15.05	3.49	12.5	1.68	9.35	1.72	4.81	0.54	3.42	0.48	48.7	484
				D51-13	60-65	Tsp:	14.4	5	0.6	65.2	144	14.75	59.9	10.8	2.4	8.85	1.23	6.83	1.27	3.53	0.41	2.7	0.36	38.9	361
				D51-14	65-70	Tsp:	16.2	1.9	0.3	25.2	54.1	5.93	24.9	4.92	1.62	4.81	0.68	3.82	0.72	1.95	0.22	1.35	0.19	20.9	151
				D51-15	70-75	Tsp:	21.1	1.2	0.3	19.2	43.3	4.9	22.4	5.11	1.84	5.74	0.8	4.61	0.89	2.4	0.26	1.65	0.24	25.8	139
				D51-16	75-80	Tsp:	16.6	2.8	0.5	52	112	11.55	46.7	9.06	2.28	8.64	1.21	6.83	1.3	3.67	0.41	2.71	0.39	36.3	295
D52	243171	3781681	1468	D52-1	0-5	Tsp:	13.6	3.3	0.9	73.3	164	17.75	70.9	12.85	3.1	10.15	1.4	7.81	1.48	4.11	0.47	3.03	0.44	44.7	415
				D52-2	5-10	Tsp:	14.3	3.5	0.7	66	158	16.75	69.9	12.7	3.22	10.65	1.47	8.07	1.49	4.21	0.47	3.03	0.44	43.1	400
				D52-3	10-15	Tsp:	17.2	3	0.7	67.7	153.5	16.65	68.9	12.95	3.02	11.2	1.5	8.38	1.54	4.23	0.47	3.05	0.43	44.5	398
				D52-4	15-20	Tsp:	21.6	3	0.6	34.5	76.5	8.22	34.3	6.72	1.81	6.42	0.89	5	0.93	2.61	0.3	1.86	0.24	28.4	209
				D52-5	20-25	Tsp:	21.2	3.1	0.6	80.2	170.5	19.65	77	15.25	3.19	12.1	1.57	8.52	1.65	4.41	0.59	3.53	0.51	49	448
				D52-6	25-30	Tsp:	15.3	2.8	0.4	81.1	176	19.95	77.3	15.1	3.51	11.8	1.56	8.53	1.64	4.43	0.6	3.51	0.52	46.8	452
				D52-7	30-35	Tsp:	16	3.6	0.5	87.7	185	20.9	80.7	15.65	3.54	12.35	1.6	8.63	1.66	4.47	0.6	3.55	0.52	48.1	475
				D52-8	35-40	Tsp:	15.6	2.9	0.4	83.5	175.5	20.1	78.1	15.45	3.47	12	1.58	8.53	1.66	4.4	0.59	3.55	0.54	48.1	457
				D52-9	40-45	Tsp:	16.5	4.6	0.6	81.5	171	19.3	74.5	14.95	3.04	12.25	1.68	9.4	1.84	4.99	0.7	4.23	0.63	54.5	455
				D52-10	45-50	Tsp:	16.3	4.5	0.6	87.5	175	19.3	73.8	14.8	3.07	12.1	1.64	9.07	1.78	4.86	0.66	4.09	0.6	52.3	461
				D52-11	50-55	Tsp:	13	3.8	0.5	62.6	130	14.4	54.7	11.2	2.52	9.48	1.28	7.07	1.37	3.75	0.52	3.14	0.47	39.1	342
				D52-12	55-60	Tsp:	7.5	3	0.4	48.1	91.6	10.1	36.5	6.99	1.72	5.58	0.73	3.88	0.74	1.99	0.27	1.62	0.25	20.9	231
				D52-13	60-65	Tsp:	10.6	3.7	0.6	58	118	12.8	48.4	9.57	2.18	8.08	1.13	6.25	1.23	3.41	0.47	2.88	0.44	34	307
				D52-14	65-70	Tsp:	15.7	4.7	0.5	89.6	175	19.15	72.7	14.35	3.08	12	1.61	8.71	1.72	4.68	0.65	3.95	0.6	49.6	457
				D52-15	70-75	Tsp:	16.1	5.1	0.5	90.2	174.5	19.15	72.9	14.35	3	11.8	1.6	8.91	1.75	4.74	0.66	4	0.6	50.1	458
				D52-16	75-80	Tsp:	21.1	3.3	0.4	55	110.5	12.35	47.8	9.92	2.27	8.75	1.22	6.92	1.38	3.8	0.53	3.24	0.48	41	305
D53	243199	3781695	1464	D53-1	0-5	Tsp:	16.1	3.4	1.4	69.3	139	16.2	63.2	12.6	2.77	10.1	1.3	7.01	1.35	3.64	0.49	2.97	0.44	42.2	373
				D53-2	5-10	Tsp:	14.4	8.1	1.5	86.4	179	20.5	80.7	15.9	3.53	12.4	1.6	8.56	1.64	4.33	0.58	3.48	0.52	48.5	468
				D53-3	10-15	Tsp:	14.1	4.2	0.8	73.4	154.5	17.65	69.3	13.95	3.28	11.2	1.47	8.08	1.56	4.2	0.57	3.43	0.51	44	407
				D53-4	15-20	Tsp:	15.2	3.9	0.6	79.3	172	19.5	75.6	14.9	3.65	12.2	1.6	8.73	1.69	4.52	0.61	3.67	0.55	47.3	446
				D53-5	20-25	Tsp:	16.5	3.1	0.7	74.1	155.5	17.75	69.4	13.7	2.98	10.9	1.42	7.77	1.49	3.98	0.54	3.24	0.47	43.2	406
				D53-6	25-30	Tsp:	17	2.7	0.6	89.4	188.5	22.1	86.4	16.8	3.46	12.8	1.69	9.13	1.76	4.7	0.63	3.79	0.55	50.3	492
				D53-7	30-35	Tsp:	19.4	2.5	0.6	50.8	109	12.65	50	10.55	2.49	8.75	1.19	6.48	1.25	3.41	0.46	2.79	0.41	36.3	297
				D53-8	35-40	Tsp:	16.8	3.6	0.7	66.3	144	16.3	64.6	13.05	2.96	10.75	1.42	7.76	1.51	4.05	0.54	3.26	0.47	42.1	379
				D53-9	40-45	Tsp:	18.9	3.1	0.6	77.3	154	18.25	71.7	14.35	3.11	11.7	1.56	8.52	1.65	4.42	0.6	3.59	0.53	47.6	419
				D53-10	45-50	Tsp:	18.1	3.8	0.5	67.5	139	16.5	61.7	12.6	2.89	10.95	1.63	9.06	1.79	4.86	0.64	3.7	0.55	45.5	379
				D53-11	50-55	Tsp:	16.8	3.8	0.6	64.5	129.5	14.9	55.4	11	2.68	9.6	1.4	7.91	1.56	4.23	0.56	3.32	0.51	40.7	348
				D53-12	55-60	Tsp:	12.9	3.2	0.5	47.7	94.8	11.1	41	7.87	2.25	6.82	0.96	5.24	1.01	2.72	0.35	2.11	0.33	26	250

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D53-13	60-65	Tsp:	18.1	3.7	0.5	64	130	15.4	58	11.55	3	10.2	1.48	8.1	1.58	4.3	0.56	3.29	0.51	40.8	353
				D53-14	65-70	Tsp:	20.9	4.5	0.7	61.5	121	14.65	55.5	11.1	2.83	9.58	1.38	7.72	1.53	4.15	0.54	3.21	0.49	40.1	335
				D53-15	70-75	Tsp:	15.5	3.1	0.5	48.8	98.7	11.45	42.1	8.09	2.19	6.83	0.97	5.34	1.04	2.83	0.37	2.18	0.34	27.3	259
				D53-16	75-80	Tsp:	18.6	4.4	0.6	75.7	155.5	18	69.2	13.6	3.05	11.55	1.65	9.09	1.78	4.76	0.62	3.58	0.55	46.4	415
D54	243226	3781708	1457	D54-1	0-5	Tsp:	15	4	1	67.5	135.5	16.55	62.2	12.05	2.99	9.95	1.37	7.52	1.44	3.85	0.49	2.86	0.43	38	363
				D54-2	5-10	Tsp:	17.4	4.7	0.9	54.5	107	12.75	46.9	8.94	2.32	7.41	1.06	5.85	1.14	3.04	0.4	2.28	0.34	30.8	285
				D54-3	10-15	Tsp:	21.1	3.1	0.7	39.5	79.3	9.56	36	7.29	2.03	6.36	0.92	5.19	1.03	2.77	0.35	2.01	0.3	29.7	222
				D54-4	15-20	Tsp:	19.1	3.5	0.7	38.3	74.4	8.89	32.8	6.45	1.86	5.55	0.81	4.5	0.88	2.36	0.3	1.77	0.25	24.6	204
				D54-5	20-25	Tsp:	20.2	4	0.8	78	162	19.95	76.7	14.85	3.41	12.2	1.7	9.23	1.75	4.54	0.57	3.23	0.48	45.1	434
				D54-6	25-30	Tsp:	17.4	5.8	0.8	81.3	172.5	20.5	79.9	15.55	3.6	12.75	1.8	9.84	1.88	5.03	0.64	3.63	0.54	47.6	457
				D54-7	30-35	Tsp:	22.5	4.1	0.7	100.5	227	26.7	105	20.2	3.98	16.45	2.26	12.2	2.3	6.05	0.78	4.41	0.66	58.8	587
				D54-8	35-40	Tsp:	19.6	3	0.6	82.9	184.5	21.6	84.5	16.75	3.7	13.75	1.94	10.55	2.02	5.36	0.69	3.93	0.59	50.5	483
				D54-9	40-45	Tsp:	19.6	4.1	0.9	88.2	182.5	21.6	84.4	16.35	3.79	13.45	1.87	10.1	1.93	5.13	0.66	3.78	0.56	48.8	483
				D54-10	45-50	Tsp:	20.4	4.4	0.8	89.4	181	21	81	15.9	3.39	13.45	1.95	10.9	2.16	5.79	0.75	4.41	0.66	53.8	486
				D54-11	50-55	Tsp:	19.5	6.7	0.7	77.1	155.5	17.9	69.6	13.75	3.14	11.8	1.75	9.71	1.92	5.2	0.69	4.05	0.62	49.9	423
				D54-12	55-60	Tsp:	18.6	4.2	0.5	69.6	143	16.8	63.3	12.6	2.82	10.85	1.61	8.95	1.78	4.84	0.63	3.66	0.56	45.4	386
				D54-13	60-65	Tsp:	11.7	2.2	0.4	35.1	68.1	7.95	29	5.58	1.7	4.71	0.67	3.65	0.69	1.81	0.23	1.34	0.21	17.7	178
				D54-14	65-70	Tsp:	9.3	2.5	0.5	39.1	76.8	8.59	30.7	5.8	1.62	4.81	0.68	3.8	0.72	1.93	0.25	1.48	0.22	18.9	195
				D54-15	70-75	Tsp:	12.5	2.9	0.6	47.5	94.6	10.9	40.5	7.89	1.99	6.81	1	5.49	1.08	2.9	0.38	2.2	0.34	27.6	251
				D54-16	75-80	Tsp:	15.3	3.5	0.5	59.1	117.5	13.7	50.9	9.88	2.39	8.61	1.24	7	1.38	3.73	0.49	2.86	0.43	34.5	314
D55	243253	3781722	1455	D55-1	0-5	Qal and Tc:	10.8	7	1.5	42.1	91.3	10.1	36.8	6.94	1.63	6.08	0.82	4.31	0.87	2.41	0.33	2.03	0.3	27.1	233
				D55-2	5-10	Tc:	11.4	7.5	1.7	50.7	110.5	12	46.1	8.51	1.87	6.92	0.96	5.02	1.02	2.81	0.38	2.36	0.34	30.6	280
				D55-3	10-15	Tc:	14.8	4.5	1.2	59.9	134.5	14.6	56.1	10.55	2.39	9.1	1.22	6.21	1.26	3.37	0.45	2.71	0.39	38.4	341
				D55-4	15-20	Tsp:	18.6	3.2	1.2	80.4	184.5	20.1	76.8	14.55	3.51	12.5	1.62	8.16	1.65	4.33	0.56	3.37	0.5	49.7	462
				D55-5	20-25	Tsp:	18.1	3.1	0.9	78	178	19.2	73.5	13.9	3.45	12.3	1.58	8.02	1.6	4.22	0.55	3.25	0.48	47.9	446
				D55-6	25-30	Tsp:	18.4	2.9	0.6	71.4	170.5	18.3	69.7	13.45	3.31	12.05	1.56	8.17	1.63	4.36	0.56	3.35	0.49	47.8	427
				D55-7	30-35	Tsp:	18.4	3.2	0.7	76.6	181	19.5	74.7	14.3	3.46	13	1.68	8.45	1.69	4.47	0.59	3.5	0.52	49.7	453
				D55-8	35-40	Tsp:	17.9	3.4	0.7	78	183	19.75	75.4	14.4	3.38	12.5	1.63	8.29	1.67	4.4	0.57	3.44	0.5	49	456
				D55-9	40-45	Tsp:	15.4	3	0.7	66.8	157	16.8	64.4	12.1	2.96	10.85	1.42	7.14	1.44	3.79	0.49	2.93	0.43	41.2	390
				D55-10	45-50	Tsp:	19.5	4.5	1	62.7	141.5	15.2	58.4	10.85	2.62	9.46	1.21	6.07	1.21	3.17	0.41	2.5	0.36	37.2	353
				D55-11	50-55	Tsp:	18.6	4.2	0.9	67	155.5	16.5	62.7	11.85	3.06	10.5	1.35	6.95	1.38	3.67	0.48	2.86	0.42	40.4	385
				D55-12	55-60	Tsp:	17.3	4.6	0.6	65.6	146.5	15.45	58.5	11.3	2.56	10.25	1.37	7.24	1.47	3.96	0.53	3.29	0.48	43.1	372
				D55-13	60-65	Tsp:	14.9	3.5	0.5	52.9	120.5	12.35	47.1	9.04	2.2	8.49	1.15	6.08	1.26	3.45	0.46	2.8	0.41	36.7	305
				D55-14	65-70	Tsp:	19.6	3.9	0.7	62.1	137	14.4	55.3	10.55	2.39	9.63	1.32	6.94	1.43	3.89	0.53	3.22	0.46	43.4	353
				D55-15	70-75	Tsp:	18.1	4	0.6	63	138	14.6	56.8	11	2.49	10.3	1.41	7.53	1.55	4.29	0.58	3.51	0.52	45.9	361
				D55-16	75-80	Tsp:	22.3	9.4	1.1	72.3	153	16.15	62.5	12	2.88	10.75	1.43	7.36	1.51	4.1	0.55	3.38	0.51	45.4	394
D56	243279	3781736	1452	D56-1	0-5	Qal and Tc:	11.1	7.6	1.9	43.5	92.7	10.2	37.7	7.04	1.67	6.15	0.83	4.39	0.89	2.44	0.34	2.12	0.32	27.5	238
				D56-2	5-10	Tc:	10	8.5	2.2	41.8	89.8	9.77	35.7	6.72	1.62	5.85	0.79	4.19	0.86	2.38	0.33	2.1	0.31	26	228
				D56-3	10-15	Tc:	11.4	7.5	1.9	44.2	95.2	10.55	39.1	7.52	1.77	6.44	0.87	4.69	0.96	2.64	0.37	2.23	0.34	29.3	246
				D56-4	15-20	Tc:	13.3	7.5	2	50.7	110	11.65	44	8.3	2.06	7.54	1	5.29	1.09	2.95	0.4	2.53	0.37	33.2	281
				D56-5	20-25	Tc:	13.8	5.4	1.7	54.8	121.5	13.05	50.3	9.39	2.3	8	1.09	5.62	1.14	3.1	0.42	2.56	0.38	34.8	308
				D56-6	25-30	Tsp:	17.6	2.9	0.8	72.8	167	18	68	12.8	3.3	11	1.43	7.37	1.48	3.96	0.51	3.11	0.47	44	415
				D56-7	30-35	Tsp:	15.1	2.8	0.7	68.5	157.5	16.9	65.4	12.05	2.92	10.5	1.37	6.94	1.37	3.7	0.47	2.82	0.41	40.3	391
				D56-8	35-40	Tsp:	14.3	3.3	0.7	60.1	147	15.8	61.4	12	2.88	10.35	1.4	7.2	1.43	3.8	0.5	2.98	0.43	39.9	367
				D56-9	40-45	Tsp:	19.2	4.3	0.9	60.1	137	14.8	58.4	10.8	2.57	9.22	1.18	5.9	1.17	3.09	0.41	2.41	0.35	35.5	343
				D56-10	45-50	Tsp:	18.1	3.8	0.7	54.4	133	14.25	57	11.2	2.65	9.76	1.3	6.75	1.36	3.63	0.49	2.91	0.43	40.8	340
				D56-11	50-55	Tsp:	14.8	3.6	0.7	58	115.5	14.5	54.7	10.35	2.41	8.8	1.22	6.69	1.31	3.35	0.49	2.55	0.4	32.7	313
				D56-12	55-60	Tsp:	12.8	4.5	0.9	59.5	108	13.35	49.3	8.89	2.43	7.22	1	5.42	1.07	2.71	0.39	2.14	0.34	27	289

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D56-13	60-65	Tsp:	18.1	4.6	0.8	71.5	138	17.3	65.3	12.45	2.9	11.15	1.55	8.82	1.73	4.52	0.67	3.59	0.56	43.4	383
				D56-14	65-70	Tsp:	20.8	3.7	0.7	68.1	128.5	16.45	62.2	11.85	2.73	10.35	1.47	8.21	1.65	4.28	0.65	3.41	0.54	42.6	363
				D56-15	70-75	Tsp:	18.6	3.5	0.6	66.3	125	15.95	60.3	11.7	2.81	10.7	1.56	8.66	1.76	4.56	0.7	3.69	0.58	43.4	358
				D56-16	75-80	Tsp:	18.5	4.2	0.6	73.8	136	17.3	64.4	12.1	2.71	11.25	1.63	9.14	1.87	4.83	0.74	3.91	0.61	46.6	387
D57	243304	3781752	1440	D57-1	0-5	Tc:	11.1	6.9	1.5	55.1	96.2	12.25	45.2	8.49	2.16	6.84	0.99	5.57	1.11	2.93	0.45	2.48	0.38	29.6	270
				D57-2	5-10	Tc:	10.1	6.8	1.8	50	87.5	11.4	42.3	7.93	2.23	6.51	0.97	5.34	1.08	2.86	0.44	2.44	0.38	28.4	250
				D57-3	10-15	Tc:	8.3	7.4	1.9	43.1	76.8	9.57	34.9	6.56	1.78	5.27	0.76	4.31	0.86	2.27	0.37	2.03	0.32	23	212
				D57-4	15-20	Tc:	6.5	7.2	1.8	35.8	63.8	7.92	28.6	5.44	1.49	4.21	0.6	3.49	0.71	1.89	0.3	1.66	0.27	19	175
				D57-5	20-25	Tc:	11.7	6.4	2	54.6	100.5	13	47.7	9.13	1.88	7.28	1.1	6.14	1.23	3.2	0.49	2.64	0.4	32.7	282
						30% Tc: ; 70%																			
				D57-6	25-30	Tsp:	15	4.2	1.2	65.3	127	16.2	61.9	11.6	2.4	9.01	1.29	7.18	1.41	3.54	0.53	2.86	0.43	36.7	347
				D57-7	30-35	Tsp:	17.9	3.5	0.9	62.6	120	15.3	58.3	11.55	2.62	10.2	1.49	8.37	1.67	4.39	0.67	3.6	0.55	43	344
				D57-8	35-40	Tsp:	14.7	3.3	0.7	65	124	15.2	56.8	10.8	2.43	9.23	1.34	7.51	1.5	3.92	0.59	3.19	0.49	38.4	340
				D57-9	40-45	Tsp:	18.7	3	1.3	53.8	100.5	12.8	49.8	9.89	2.26	8.82	1.25	6.93	1.4	3.6	0.54	2.83	0.42	36.1	291
				D57-10	45-50	Tsp:	19.7	3	0.9	77	155.5	19.25	72.1	13.95	2.53	11.85	1.66	9.45	1.89	4.9	0.76	4.03	0.61	49.1	425
				D57-11	50-55	Tsp:	18.6	3	1	73.9	147	19.1	74.9	14.6	2.43	12.45	1.75	9.97	2.03	5.2	0.77	4.16	0.61	50.6	419
				D57-12	55-60	Tsp:	18.4	2.8	0.8	71.9	141.5	18.3	70	13.75	2.55	11.6	1.67	9.58	1.93	4.97	0.76	3.99	0.61	51.4	405
				D57-13	60-65	Tsp:	17.6	2.7	0.6	67.6	128	16.3	61.9	11.95	2.53	10.35	1.49	8.45	1.71	4.52	0.69	3.75	0.57	45.1	365
				D57-14	65-70	Tsp:	21.2	2.4	0.7	47.3	87.6	11.4	44.8	9	2.1	8.43	1.19	6.84	1.39	3.6	0.54	2.92	0.45	35	263
				D57-15	70-75	Tsp:																			0
				D57-16	75-80	Tsp:	19.3	3.1	0.8	57.5	105.5	13.4	51.1	10.1	2.3	9.08	1.3	7.37	1.48	3.85	0.57	3.1	0.46	37.5	305
D58	243329	3781766	1445		0-5	Qal:																			0
					5-10	Qal:																			0
						80% Qal: ; 20%																			
					10-15	Tc:																			0
				D58-4	15-20	Tc:	9.3	8	2	42.6	78.5	9.85	36	7.06	2.15	6.2	0.87	4.9	1	2.61	0.41	2.22	0.36	25.7	220
				D58-5	20-25	Tc:	9.7	7	1.8	45.6	82.9	10.5	38.8	7.43	1.92	6.1	0.89	5.06	1.01	2.64	0.42	2.26	0.35	26.3	232
				D58-6	25-30	Tc:	8.6	6.9	1.5	40.1	73.4	9.32	34.8	6.7	1.78	5.78	0.85	4.73	0.95	2.53	0.4	2.13	0.33	24.3	208
				D58-7	30-35	Tc:	7.4	6.8	1.5	33.3	62.1	7.9	29.3	5.74	1.55	4.81	0.69	3.92	0.8	2.18	0.34	1.85	0.29	20.6	175
				D58-8	35-40	Tc:	6.7	8.2	1.8	31.8	66.4	7.46	29	5.43	1.46	4.47	0.66	3.67	0.7	1.96	0.28	1.8	0.28	20	175
				D58-9	40-45	Tc:	8.5	7.3	1.5	37	82	9.01	35.1	6.78	1.71	5.72	0.82	4.49	0.89	2.41	0.35	2.19	0.33	24.8	214
				D58-10	45-50	Tc:	10.6	7.7	1.7	44.7	99.8	11.4	45.6	8.82	2.09	7.57	1.05	5.75	1.11	3.03	0.43	2.69	0.4	30.5	265
				D58-11	50-55	Tc: ; trace Tsp	9.4	5.8	1.6	36.9	77.9	8.82	34.6	6.85	1.62	6.07	0.86	4.81	0.92	2.53	0.37	2.31	0.33	26.5	211
				D58-12	55-60	Tsp:	18.7	2.4	0.9	16.2	35.8	4.26	18.5	4.19	1.43	4.35	0.62	3.49	0.65	1.8	0.26	1.57	0.23	18.4	112
				D58-13	60-65	Tsp:	18.9	1.3	0.6	11.8	26	3.18	14.5	3.45	1.39	3.79	0.53	3.06	0.6	1.61	0.23	1.4	0.2	15.9	88
				D58-14	65-70	Tsp:	21.4	1.8	0.7	19.1	42.6	5.19	22.9	5.2	1.65	5.41	0.77	4.27	0.82	2.26	0.32	1.88	0.27	22.9	136
				D58-15	70-75	Tsp:	20	2.9	0.8	37.8	85.4	9.94	41.4	8.55	2.2	8.1	1.13	6.13	1.16	3.18	0.44	2.62	0.37	31.6	240
				D58-16	75-80	Tsp: (lost circulation)	18.2	3.5	1	32.4	71.5	8.2	33.8	6.86	1.92	6.75	0.93	5.21	1.01	2.73	0.38	2.34	0.34	27	201
D59	243356	3781780	1429		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
				D59-4	15-20	Tc:	8.1	8.2	1.9	38.8	86.1	9.59	37.1	7.21	1.76	5.88	0.81	4.63	0.88	2.46	0.36	2.24	0.34	25.1	223
				D59-5	20-25	Tc:	7.3	8.1	1.7	36.1	80.4	8.66	33.5	6.45	1.63	5.13	0.75	4.12	0.81	2.24	0.33	2.05	0.32	22.4	205
				D59-6	25-30	Tc:	7.4	7.6	1.5	36.3	80	8.8	34.2	6.53	1.66	5.45	0.79	4.4	0.84	2.33	0.35	2.09	0.32	22.7	207
				D59-7	30-35	Tc:	8.2	7.7	1.6	39.2	85.6	9.3	36.3	6.95	1.69	5.79	0.83	4.51	0.87	2.47	0.36	2.17	0.32	24.7	221
				D59-8	35-40	Tc:	11.4	7.2	1.6	47	102.5	11.6	46.5	9.08	2.08	7.82	1.09	6.13	1.18	3.25	0.47	2.83	0.42	32.3	274
				D59-9	40-45	Tc:	10.7	7.5	1.7	48.5	105.5	11.9	46.6	9.02	1.92	7.55	1.08	5.98	1.17	3.19	0.47	2.86	0.41	31.9	278

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
						20% Tc: ; 80%																			
				D59-10	45-50	Tsp:	12.9	7.7	1.4	36.8	84.1	9.27	36.7	7.78	1.72	7.38	1.07	5.79	1.11	3.11	0.43	2.65	0.41	28.8	227
				D59-11	50-55	Tsp:	19.4	2.7	0.7	28.2	61.7	7.27	30.2	6.44	1.86	6.22	0.87	4.78	0.89	2.41	0.35	2.11	0.31	25.6	179
				D59-12	55-60	Tsp:	19.5	2.9	0.9	42.1	94.5	11.1	47	9.8	2.71	9.15	1.26	6.8	1.25	3.36	0.47	2.79	0.42	34.4	267
				D59-13	60-65	Tsp:	22.1	3.7	0.7	52.3	118	13.35	55.2	11.05	2.76	10.3	1.43	7.88	1.51	4.15	0.57	3.4	0.51	40.8	323
				D59-14	65-70	Tsp:	19.6	3.5	0.6	54.2	122	13.4	54.6	10.9	2.61	10.15	1.43	7.88	1.54	4.3	0.62	3.69	0.54	41.3	329
				D59-15	70-75	Tsp:	18.8	4.1	0.7	60.4	131.5	14.8	60.9	11.85	2.64	10.85	1.51	8.57	1.65	4.52	0.65	3.98	0.59	46.8	361
				D59-16	75-80	Tsp:	17.5	4.2	0.5	64.5	145.5	15.75	63.4	12.85	2.84	11.7	1.66	9.24	1.81	5.06	0.73	4.38	0.65	49.4	389
D60	243381	3781797	1419		0-5	Qal:																			0
				D60-2	5-10	Tc:	8.6	8.1	1.5	40.1	85.9	9.48	36.7	7.09	1.72	5.95	0.83	4.69	0.9	2.46	0.37	2.2	0.33	25.2	224
				D60-3	10-15	Tc:	10.1	6.9	1.3	44.4	96.9	10.85	42.7	8.17	1.95	6.88	0.98	5.44	1.05	2.91	0.41	2.56	0.38	29.1	255
				D60-4	15-20	Tc:	7.2	8.3	1.9	36.2	78.5	8.68	33.7	6.48	1.66	5.41	0.76	4.19	0.82	2.26	0.32	1.99	0.31	22	203
				D60-5	20-25	Tc:	6.7	8.2	2.3	34.4	74.4	8.24	32	6.15	1.57	4.94	0.72	3.96	0.75	2.13	0.31	1.92	0.29	21.1	193
				D60-6	25-30	Tc:	8.9	7.2	2.3	40.4	89.8	9.99	39.4	7.51	1.78	6.19	0.88	4.96	0.95	2.62	0.38	2.33	0.34	26.4	234
				D60-7	30-35	Tc:	9.8	8.3	2.3	43	91.1	10.35	40.6	7.91	1.7	6.47	0.92	5.19	1	2.82	0.41	2.55	0.38	28.6	243
				D60-8	35-40	Tc:	13.2	5.3	1.3	50.9	112	12.6	50.7	10.05	2.24	9.13	1.31	7.32	1.45	3.99	0.58	3.52	0.52	39.4	306
						40% Tc: ; 60%																			
				D60-9	40-45	Tsp:	12.9	3.1	0.8	46.9	105	11.75	46.4	9.25	2.07	7.97	1.14	6.29	1.23	3.36	0.48	2.89	0.42	33.6	279
				D60-10	45-50	Tsp:	12.4	4	0.9	50.2	113.5	12.75	52.4	10.35	2.25	8.8	1.26	7.03	1.36	3.73	0.52	3.14	0.47	36.9	305
				D60-11	50-55	Tsp:	16.2	3.3	0.5	70.1	161.5	18.25	75.9	14.95	3.01	12.7	1.83	10.15	1.99	5.42	0.78	4.72	0.7	54.4	436
				D60-12	55-60	Tsp:	17.5	4	0.7	69.1	157.5	17.75	73.5	14.55	3.05	12.5	1.77	9.77	1.91	5.15	0.74	4.41	0.65	51.2	424
				D60-13	60-65	Tsp:	19.8	4.3	0.8	78.4	146.5	18.75	67.8	13.7	2.71	10.65	1.52	9.37	1.8	5.2	0.69	3.99	0.59	48.1	410
				D60-14	65-70	Tsp:	21.9	5	0.9	87.4	195.5	24.2	87.6	17.75	2.73	14	1.94	12.05	2.34	6.66	0.88	5.12	0.76	62.4	521
				D60-15	70-75	Tsp:	17.9	4.6	0.8	85.7	162.5	20.1	72.5	14.75	2.84	11.9	1.66	10.25	1.97	5.63	0.75	4.43	0.65	53	449
				D60-16	75-80	Tsp:	18	6.4	0.7	88.8	163.5	20	71.4	14.4	3.07	12.05	1.64	10.2	1.98	5.61	0.75	4.43	0.65	52.9	451
D61	243411	3781810	1422	D61-1	0-5	Tc:	10.7	11.1	2.4	62.9	113	13.8	48.2	9.43	1.99	7.32	1.02	6.15	1.2	3.44	0.47	2.78	0.42	32.7	305
				D61-2	5-10	Tc:	9.1	10.4	2.7	52.9	95.4	11.25	41.1	7.86	1.76	6.1	0.82	5.05	0.98	2.87	0.39	2.34	0.36	28.2	257
				D61-3	10-15	Tc:	8.6	8.9	2.3	49.6	90.3	10.9	39.2	7.6	1.66	5.91	0.81	4.97	0.97	2.77	0.38	2.3	0.34	27	245
				D61-4	15-20	Tc:	8.7	8.7	2.4	48.3	88	10.5	38.9	7.39	1.69	5.97	0.8	4.96	0.95	2.71	0.37	2.25	0.33	26.7	240
				D61-5	20-25	Tc:	7.9	10.1	2.5	44.6	82.5	9.7	35.4	6.77	1.61	5.53	0.75	4.59	0.88	2.54	0.35	2.11	0.32	24.3	222
				D61-6	25-30	Tc:	8.4	10.2	2.6	40	72.4	8.45	30.3	5.71	1.55	5.12	0.68	4	0.76	2.21	0.31	1.8	0.28	21.9	195
				D61-7	30-35	Tc:	5.9	9.1	2.3	33.2	61.6	7.19	25.9	4.9	1.3	4.01	0.55	3.35	0.64	1.87	0.26	1.61	0.25	18.2	165
				D61-8	35-40	Tc:	8.6	8.3	2.1	43	79.2	9.46	34.5	6.7	1.65	5.61	0.77	4.68	0.9	2.53	0.35	2.05	0.31	24.1	216
				D61-9	40-45	Tc:	10.5	9.1	2.7	54.8	101.5	12.25	43.9	8.44	1.91	6.88	0.93	5.66	1.09	3.08	0.44	2.5	0.37	29.7	273
				D61-10	45-50	Tc:	10	10.1	2.9	55.2	101	12.5	43.7	8.43	1.85	6.75	0.92	5.59	1.09	3.09	0.42	2.52	0.38	29.2	273
						40% Tc: ; 60%																			
				D61-11	50-55	Tsp:	10	9.5	2.3	64.5	118.5	14.4	50.4	9.72	2.02	7.98	1.09	6.52	1.24	3.47	0.47	2.78	0.41	32.9	316
				D61-12	55-60	Tsp:	12.3	6.1	1.6	53.6	95.9	11.95	42.4	8.51	2	7.58	1.02	6.09	1.16	3.24	0.43	2.48	0.36	30.1	267
				D61-13	60-65	Tsp:	15.4	3	1	46.5	89.2	11.25	42.4	8.81	2.33	8.07	1.06	6.23	1.18	3.25	0.42	2.45	0.35	29.8	253
				D61-14	65-70	Tsp:	19.1	5.1	1	71.2	132	16.3	58.1	11.55	2.78	10.75	1.44	8.64	1.65	4.65	0.61	3.55	0.52	42.6	366
				D61-15	70-75	Tsp:	19.9	4.4	0.8	74.5	140	17.3	61.7	12.3	2.7	11.45	1.55	9.32	1.79	5.08	0.66	3.84	0.56	46.5	389
				D61-16	75-80	Tsp:	17.6	2.9	0.8	52.2	96.9	12	44.5	9	2.36	8.35	1.1	6.67	1.28	3.65	0.48	2.8	0.42	33	275
D62	243439	3781823	1425		0-5	Qal:																			0
					5-10	Qal:																			0
				D62-3	10-15	Tc:	10.1	9.6	2.7	46.2	85.2	10.05	35.6	6.85	1.83	6.22	0.84	4.98	0.95	2.75	0.37	2.21	0.34	25	229
				D62-4	15-20	Tc:	9	10.4	3.4	43.3	80.1	9.2	33.2	6.46	1.84	5.86	0.78	4.61	0.89	2.55	0.35	2.05	0.31	24.3	216
				D62-5	20-25	Tc:	8.9	9.7	2.7	45.4	82.3	9.51	34.3	6.57	1.87	6.01	0.8	4.76	0.91	2.62	0.36	2.15	0.32	25	223
				D62-6	25-30	Tc:	8.9	10.6	2.2	45.4	83.5	9.56	34.6	6.8	1.82	6.19	0.82	4.95	0.94	2.72	0.37	2.21	0.34	25.8	226

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D62-7	30-35	Tc:	7.3	9.6	1.9	38.9	70.5	8.17	28.9	5.47	1.55	5.22	0.68	4.04	0.78	2.24	0.31	1.86	0.28	21.1	190
				D62-8	35-40	Tc:	7	9.9	1.9	38.4	68	7.91	28	5.32	1.46	4.85	0.65	3.91	0.74	2.15	0.29	1.79	0.27	20.8	185
				D62-9	40-45	Tc:	5.6	7.7	1.6	29.7	53.2	6.24	21.9	4.12	1.4	3.83	0.51	3.01	0.58	1.69	0.23	1.43	0.22	16	144
				D62-10	45-50	Tc:	8.5	8.8	1.6	39.8	71.2	8.49	30.9	5.9	1.65	5.61	0.73	4.32	0.83	2.39	0.33	1.95	0.29	22.9	197
				D62-11	50-55	Tc:	12.5	9.2	2.1	56.7	103.5	12.65	43.8	8.38	2.09	7.91	1.04	6.15	1.17	3.39	0.47	2.64	0.4	30.7	281
				D62-12	55-60	Tc:	12.4	7.9	1.9	59.2	107.5	13.2	46.2	8.92	2.16	8.25	1.1	6.36	1.22	3.44	0.46	2.7	0.4	32	293
				D62-13	60-65	Tc:	12.2	8.3	1.2	54.7	101.5	12.5	43.7	8.81	2.02	8.55	1.17	6.89	1.34	3.79	0.51	3	0.43	33.9	283
				D62-14	65-70	Tc: ? Or Tsp?	11.3	10.2	1.3	56.9	105	13.35	46.7	9.8	1.94	9.87	1.37	8.34	1.6	4.58	0.62	3.68	0.52	40.8	305
				D62-15	70-75	Tc: ? Or Tsp?	13.4	8.4	1.4	59.2	110	13.65	47.8	9.41	2.27	9.37	1.23	7.31	1.4	3.96	0.53	3.08	0.45	35.6	305
				D62-16	75-80	Tc: ? Or Tsp?	13.9	7.5	1.6	51.2	92.4	11.35	39.9	7.78	2.13	7.62	0.98	5.81	1.11	3.18	0.42	2.53	0.37	28.6	255
D63	243466	3781839	1418		0-5	Qal:																			0
				D63-2	5-10	Tc:	8.2	10.2	1.8	41.8	88.1	9.72	36.5	6.48	1.55	5.77	0.79	4.26	0.82	2.4	0.31	1.94	0.31	26.4	227
				D63-3	10-15	Tc:	7.6	8.3	1.7	33.4	76.9	8.53	33.1	5.98	1.57	5.52	0.74	4.04	0.77	2.3	0.3	1.86	0.3	22.6	198
				D63-4	15-20	Tc:	9	9.1	1.7	43.4	80.1	10.7	40.6	7.31	1.42	4.93	0.69	3.84	0.73	2.08	0.28	1.72	0.27	26.4	224
				D63-5	20-25	Tc:	7.1	11.1	2	37.8	79.5	8.83	33.3	5.77	1.36	5	0.68	3.73	0.72	2.12	0.28	1.75	0.28	23.1	204
				D63-6	25-30	Tc:	6.6	9.3	1.8	35.4	75.8	8.33	31.3	5.47	1.37	4.83	0.67	3.62	0.69	2.05	0.27	1.65	0.27	22.2	194
				D63-7	30-35	Tc:	5.8	10	1.7	32.6	71.7	7.91	29.6	5.24	1.45	4.77	0.65	3.43	0.66	1.95	0.25	1.64	0.26	20.1	182
				D63-8	35-40	70% Tc: ; 30% Tsp:	5.7	8.6	1.6	31.7	66.1	7.23	27	4.71	1.39	4.22	0.57	3.07	0.59	1.72	0.22	1.44	0.23	18.8	169
				D63-9	40-45	Tsp:	9.4	8.4	1.8	44.2	92.4	10.3	39.2	6.91	1.59	6.42	0.86	4.55	0.86	2.58	0.32	1.97	0.3	28.2	241
				D63-10	45-50	Tsp:	11.5	9.2	2.1	57.4	119	13.4	51.9	9.33	1.91	8.42	1.14	6.07	1.16	3.39	0.43	2.69	0.41	37.9	315
				D63-11	50-55	Tsp:	12.1	9.6	2	61	131.5	14.7	57.4	10.25	1.99	9.58	1.28	6.96	1.31	3.86	0.49	3.06	0.46	42.6	346
				D63-12	55-60	Tsp:	11.4	8.6	1.6	65.1	136.5	15.5	60.4	10.95	1.91	10.15	1.36	7.26	1.37	3.95	0.5	3.05	0.46	44.2	363
				D63-13	60-65	Tsp:	11.4	8.1	1.1	60.7	131	15.1	58.8	11.25	1.99	11.2	1.52	8.16	1.58	4.52	0.57	3.45	0.51	49.7	360
				D63-14	65-70	Tsp:	13.3	6	1	58.8	130.5	14.75	59.5	10.85	2.3	10.8	1.41	7.64	1.45	4.24	0.53	3.18	0.48	45.8	352
				D63-15	70-75	Tsp:	12.2	9.9	1.6	55.1	118	13.35	52.2	9.35	2.03	8.95	1.2	6.36	1.21	3.56	0.45	2.74	0.42	38.5	313
				D63-16	75-80	Tsp:	13	8.9	1.5	54.4	114	12.75	50.4	9	2	8.69	1.14	6.18	1.17	3.42	0.43	2.67	0.41	37.8	304
				D63-17	80-85	Tsp:	14.5	8.1	1.4	55.5	122	13.85	54.7	9.99	2.1	9.59	1.27	6.89	1.33	3.85	0.48	2.94	0.45	41.6	327
				D63-18	85-90	Tsp:	11.2	9.2	1.7	49.9	106.5	11.95	46.8	8.57	1.98	8.32	1.11	5.87	1.12	3.33	0.43	2.59	0.4	32.5	281
				D63-19	90-95	Tsp:	11.8	9.2	1.7	57.6	120	13.85	54	9.6	2.15	9.43	1.23	6.51	1.24	3.58	0.44	2.68	0.41	40.4	323
				D63-20	95-100	Tsp:	12	9.6	1.8	51.5	111	12.6	49.4	8.84	2	8.82	1.15	6.09	1.17	3.38	0.42	2.57	0.39	36.7	296
D64	243492	3781852	1417		0-5	Qal:																			0
				D64-2	5-10	Tc:	8.7	11.7	2.2	44.4	93.2	10.2	38.8	6.74	1.73	6.51	0.85	4.56	0.87	2.56	0.33	2.1	0.33	28.4	242
				D64-3	10-15	Tc:	8.2	10.2	2	37.6	80.3	8.76	33.7	6.04	1.58	6.13	0.8	4.26	0.81	2.41	0.31	1.97	0.31	25.4	210
				D64-4	15-20	Tc:	8.8	10.6	2	40.3	87	9.58	36.7	6.51	1.69	6.43	0.85	4.54	0.86	2.56	0.33	2.09	0.32	27.6	227
				D64-5	20-25	Tc:	8.1	10.3	1.9	38.9	82.1	9.02	34.2	6.07	1.6	6.09	0.79	4.21	0.81	2.41	0.31	1.96	0.31	25.6	214
				D64-6	25-30	Tc:	7.3	10.4	1.9	37.3	79	8.55	31.8	5.67	1.58	5.5	0.73	3.89	0.74	2.22	0.28	1.8	0.28	23.7	203
				D64-7	30-35	Tc:	6.8	9.9	1.6	37.4	76.4	8.33	31.3	5.45	1.46	5.26	0.71	3.86	0.73	2.15	0.28	1.76	0.27	23.8	199
				D64-8	35-40	Tc:	5.5	7.2	1.3	26.3	56.6	6.08	22.6	3.95	1.51	3.92	0.51	2.7	0.52	1.55	0.2	1.32	0.22	16.5	144
				D64-9	40-45	Tsp:																			0
				D64-10	45-50	Tsp:	10	8.3	1.6	45.7	94	10.7	41.7	7.36	1.48	7.01	0.92	4.88	0.93	2.77	0.35	2.12	0.32	29.8	250
				D64-11	50-55	Tsp:	11.2	9.6	1.5	54.9	113.5	13	50.9	9.17	1.72	8.91	1.21	6.53	1.25	3.72	0.48	2.91	0.44	40.3	309
				D64-12	55-60	Tsp:	12.3	8	1.3	64.7	136	15.45	59.7	10.7	2.1	10.55	1.4	7.37	1.39	3.99	0.49	3	0.44	42.9	360
				D64-13	60-65	Tsp:	10.3	9.8	1.1	59.7	129.5	13.85	55.6	10.75	1.77	11.2	1.5	8.1	1.54	4.52	0.56	3.42	0.52	40.8	343
				D64-14	65-70	Tsp:	14.4	8	1.4	76.1	160	17.55	69.9	12.8	2.22	10.05	1.39	7.47	1.42	4.24	0.53	3.29	0.49	47.3	415
				D64-15	70-75	Tsp:	12.6	9.2	1.7	54.6	113.5	12.95	50.7	9.06	2.09	9.13	1.16	6.17	1.18	3.44	0.43	2.65	0.4	37.8	305
				D64-16	75-80	Tsp:	12.4	10	1.9	58	120	13.4	52.2	9.19	2.04	9.06	1.14	6.08	1.15	3.39	0.42	2.62	0.39	38.3	317
				D64-17	80-85	Tsp:	13.1	8.5	1.6	56	119.5	13.25	52.2	9.26	2.17	9.15	1.17	6.25	1.19	3.48	0.44	2.7	0.41	37.7	315

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D64-18	85-90	Tsp:	9.9	9.7	2.1	40.1	95.6	10.6	42.7	7.84	1.85	6.47	0.85	5.1	0.96	2.63	0.37	2.3	0.35	26.9	245
				D64-19	90-95	Tsp:	10.9	9.2	1.8	43.4	105	11.8	48.4	8.83	2.03	7.25	0.97	5.8	1.08	2.92	0.4	2.51	0.38	29.7	270
				D64-20	95-100	Tsp:	10.4	9.4	1.8	42.8	101.5	11.3	46.1	8.43	2.02	7.09	0.94	5.57	1.05	2.82	0.39	2.45	0.37	28.9	262
D65	243513	3781868	1416		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
				D65-4	15-20	Tc:	8	11.3	2	35.9	84	9.05	35.7	6.5	1.85	5.45	0.72	4.32	0.81	2.22	0.31	2	0.31	23.3	212
				D65-5	20-25	Tc:	7	9.4	1.8	30.3	73.3	7.96	31.4	5.81	1.67	4.89	0.65	3.85	0.73	1.96	0.28	1.83	0.29	20.3	185
				D65-6	25-30	Tc:	7.9	9.3	2	32	88.1	9.25	37.1	6.87	1.63	4.59	0.65	4	0.74	2.03	0.29	1.9	0.29	21.6	211
				D65-7	30-35	Tc:	5.8	9.2	1.7	29.7	68.9	7.38	28.5	5.12	1.52	4.23	0.56	3.39	0.63	1.69	0.24	1.56	0.24	17.4	171
				D65-8	35-40	Tc:	6.6	9.7	1.8	32.2	72.8	7.88	31	5.59	1.98	4.64	0.61	3.64	0.69	1.86	0.27	1.74	0.28	19.1	184
				D65-9	40-45	20% Tc: ; 80% Tsp:	8.4	8.5	1.4	35.7	83.9	9.18	37	6.67	1.85	5.71	0.74	4.44	0.84	2.27	0.31	2	0.31	23	214
				D65-10	45-50	Tsp:	11.5	9.5	1.9	45.6	106.5	11.9	48.3	8.89	1.89	7.15	0.95	5.69	1.06	2.89	0.4	2.5	0.38	30.3	274
				D65-11	50-55	Tsp:	11.1	8.4	1.7	49.1	117	13	53.5	9.8	1.9	7.52	1.02	6.17	1.17	3.08	0.43	2.68	0.4	33	300
				D65-12	55-60	Tsp:	12.5	8.1	1.5	59.9	140.5	15.5	63.2	11.8	2.23	9.21	1.21	7.19	1.35	3.56	0.49	2.99	0.44	37.9	357
				D65-13	60-65	Tsp:	10.5	8.3	1.2	49.1	120	13.45	56.1	11.2	1.85	9.91	1.35	8.18	1.52	4.06	0.57	3.56	0.52	40	321
				D65-14	65-70	Tsp:	11.1	7.4	1	44.3	107	12.15	50.6	9.78	2	8.49	1.14	6.91	1.31	3.54	0.49	3.04	0.45	36.2	287
				D65-15	70-75	Tsp:	12.1	8.9	1.8	54.1	123.5	13.85	57.2	10.45	2.23	8.63	1.12	6.69	1.26	3.39	0.47	2.94	0.44	36.5	323
				D65-16	75-80	Tsp:	11.5	10	2	49.3	112	12.55	50.9	9.26	2.07	7.81	1	5.94	1.13	3.05	0.43	2.64	0.4	31.7	290
				D65-17	80-85	Tsp:	11.4	9	1.7	44.8	105	11.8	48.4	8.89	2.06	7.51	0.97	5.83	1.09	2.92	0.41	2.54	0.38	30	273
				D65-18	85-90	Tsp:	12.2	9.7	1.8	46.6	111	12.35	50.4	9.17	2.15	8.01	1.02	6.05	1.13	3.07	0.42	2.62	0.4	31.6	286
				D65-19	90-95	Tsp:	11	9.4	1.8	43	103	11.5	46.7	8.59	2.09	7.36	0.95	5.68	1.06	2.9	0.4	2.51	0.38	28.8	265
				D65-20	95-100	Tsp:	11.7	11.8	2.2	57.8	129.5	13.65	55.5	9.94	2.28	8.47	1.08	6.21	1.17	3.15	0.43	2.72	0.4	29.8	322
D66	243547	3781883	1413		0-5	Qal:																			0
					5-10	60% Qal: ; 40% Tc:																			0
				D66-3	10-15	Tc:	7.9	10.6	2	34.7	80.5	8.69	34.6	6.31	1.85	5.47	0.71	4.28	0.8	2.17	0.31	1.98	0.31	22.5	205
				D66-4	15-20	Tc:	7.7	10.8	1.9	34.5	81.1	8.75	34.5	6.27	1.84	5.45	0.71	4.22	0.79	2.14	0.3	1.96	0.3	22.3	205
				D66-5	20-25	Tc:	7.5	10.2	1.8	33.3	76.8	8.35	32.9	5.96	1.73	5.16	0.69	4.06	0.76	2.07	0.3	1.91	0.29	20.5	195
				D66-6	25-30	Tc:	6.7	10.4	1.8	30.8	73	7.84	31.2	5.71	1.63	5.02	0.65	3.91	0.73	1.98	0.28	1.81	0.28	20.1	185
				D66-7	30-35	Tc: ; minor Tsp:	5.8	9.2	1.7	28.5	67.1	7.16	28.1	5.03	1.58	4.3	0.58	3.47	0.66	1.77	0.25	1.69	0.26	17.4	168
				D66-8	35-40	Tsp: contamination by ss from above	7.2	7.8	1.3	27	63.1	6.9	27.7	5.05	1.71	4.36	0.57	3.46	0.66	1.76	0.25	1.63	0.26	17.7	162
				D66-9	40-45	Tsp: contamination by ss from above	11.6	10.7	2.1	45	120.5	12.6	51	9.41	1.73	5.54	0.8	4.85	0.91	2.4	0.33	2.17	0.32	27.8	285
				D66-10	45-50	Tsp: contamination by ss from above	11.2	9.6	2	47.5	108	11.95	48.3	8.66	2.08	7.14	0.92	5.49	1.03	2.75	0.39	2.46	0.38	29.5	277
				D66-11	50-55	Tsp: contamination by ss from above	10.8	10.9	2	48.2	109.5	12.1	49.9	9.3	1.75	7.38	1.01	6.14	1.17	3.15	0.45	2.89	0.43	33.4	287

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D66-12	55-60	Tsp: contamination by ss from above	11.3	9.3	1.8	51.3	119.5	13.3	53.6	9.84	1.94	7.96	1.07	6.4	1.19	3.21	0.44	2.8	0.42	34	307
				D66-13	60-65	Tsp:	10.2	11.5	1.7	55.4	125.5	14.25	57.5	11.1	1.77	9.66	1.3	7.76	1.45	3.87	0.54	3.37	0.5	39.9	334
				D66-14	65-70	Tsp:	10.8	9.5	1.3	53	128	14.15	58.3	11.5	1.98	10.3	1.41	8.42	1.61	4.32	0.61	3.75	0.56	44.5	342
				D66-15	70-75	Tsp:	13.3	8.2	1.4	53.8	126.5	14.1	58.2	10.75	2.34	9.17	1.2	7.2	1.34	3.67	0.51	3.12	0.47	38.7	331
				D66-16	75-80	Tsp:	12.3	10.5	2	50.7	115.5	12.7	51.7	9.34	2.28	8.29	1.04	6.09	1.13	3.09	0.42	2.64	0.41	32.2	298
				D66-17	80-85	Tsp:	11.5	8.8	2	57.5	125	14.3	56.1	11.15	2.18	7.89	1.13	6.36	1.24	3.33	0.48	2.98	0.43	33.9	324
				D66-18	85-90	Tsp:	11.7	10	2.2	58.8	126.5	14.05	54.4	10.85	2.07	7.46	1.07	6.16	1.17	3.15	0.45	2.83	0.42	32.9	322
				D66-19	90-95	Tsp:	13.2	7.6	1.6	63.1	134.5	15.4	60.7	12.1	2.38	8.65	1.21	6.89	1.32	3.58	0.51	3.14	0.46	37	351
				D66-20	95-100	Tsp:	13.2	7.5	1.3	58.7	132	15.15	60.1	12	2.44	8.81	1.25	7.15	1.38	3.67	0.52	3.24	0.47	36.5	343
D67	243571	3781897	1418		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	40% Qal: ; 60% Tc:																			0
				D67-4	15-20	Tc:	7.9	10	2.6	45.7	94.3	10.5	40.7	8.05	1.82	5.93	0.85	4.85	0.93	2.56	0.37	2.34	0.36	25.3	245
				D67-5	20-25	Tc:	7.7	10.5	2.4	43	91.5	9.86	38	7.65	1.74	5.61	0.82	4.57	0.89	2.42	0.35	2.28	0.35	23.9	233
				D67-6	25-30	Tc:	7.4	10.1	2.2	44.3	92.8	10.05	38.1	7.54	1.66	5.59	0.8	4.6	0.86	2.35	0.35	2.2	0.32	23.7	235
				D67-7	30-35	Tc:	6.9	11.1	2.2	41.9	88.6	9.57	36.2	7.07	1.56	5.12	0.74	4.26	0.81	2.21	0.33	2.08	0.32	21.8	223
				D67-8	35-40	Tc:	7.2	9.8	2.1	41.5	88.4	9.5	35.2	6.83	1.55	5.39	0.76	4.3	0.83	2.25	0.33	2.09	0.31	24	223
				D67-9	40-45	Tc:	6.2	8.7	1.8	35.7	75.1	8.11	30.4	5.89	1.49	4.83	0.66	3.71	0.71	1.96	0.29	1.86	0.28	20.8	192
				D67-10	45-50	Tc: ; minor Tsp:	5.2	7.9	1.6	31.5	65.4	6.99	25.8	4.93	1.38	4.13	0.58	3.25	0.62	1.74	0.26	1.63	0.25	17.8	166
				D67-11	50-55	Tsp:	8.5	8.3	1.8	42.6	91.6	10.1	39.3	7.66	1.69	5.93	0.84	4.69	0.89	2.45	0.35	2.21	0.33	23.7	234
				D67-12	55-60	Tsp:	11.8	9.2	2	56.7	125	13.7	54.1	10.9	2.18	7.83	1.1	6.24	1.19	3.24	0.46	2.86	0.42	31.9	318
				D67-13	60-65	Tsp:	10.7	11.2	2.2	53.7	112	12.85	49.8	9.83	1.82	7.25	1.05	6.11	1.18	3.26	0.47	2.98	0.44	32.2	295
				D67-14	65-70	Tsp:	9.6	9.7	1.7	55.5	117.5	13.35	51.9	10.6	1.89	7.96	1.16	6.69	1.29	3.5	0.51	3.2	0.47	33.6	309
				D67-15	70-75	Tsp:	8.7	10.6	1.7	59.8	126	14.4	56.4	12.15	1.77	9.45	1.41	8.06	1.54	4.24	0.61	3.8	0.55	41.2	341
D68	243601	3781912	1419		0-5	Qal:																			0
					5-10	Qal:																			0
				D68-3	10-15	Tc:	7.3	9.8	2.5	43.1	89.5	9.76	37.1	7.21	1.63	5.57	0.78	4.52	0.86	2.38	0.35	2.24	0.33	22.8	228
				D68-4	15-20	Tc:	7	9.4	2.3	38.6	82.1	8.81	34.1	6.77	1.61	5.21	0.72	4.14	0.8	2.2	0.32	2.08	0.31	21.1	209
				D68-5	20-25	Tc:	8.3	10.6	2.9	44.7	97.6	10.5	40.3	8.11	1.81	6.16	0.88	5.07	0.97	2.61	0.38	2.41	0.37	25.3	247
				D68-6	25-30	Tc:	7.6	10.5	2.6	41.1	89.6	9.48	36.4	7.22	1.69	5.53	0.8	4.53	0.87	2.36	0.34	2.22	0.33	22.9	225
				D68-7	30-35	Tc:	7.7	10.3	2.7	45.2	92.2	10.1	38.6	7.58	1.77	5.98	0.85	4.78	0.93	2.49	0.36	2.32	0.35	24.5	238
				D68-8	35-40	Tc:	7.1	10.3	2.6	41.9	89.6	9.58	36.2	7.28	1.66	5.59	0.79	4.51	0.86	2.34	0.34	2.19	0.33	22.6	226
				D68-9	40-45	Tc:	6.4	9.7	2.3	39.5	82.3	8.71	32.3	6.26	1.63	5.13	0.71	3.98	0.77	2.1	0.3	1.95	0.3	20	206
				D68-10	45-50	70% Tc: ; 30% Tsp?:	5.4	7.1	1.7	31.6	66.1	7.13	26.9	5.16	1.41	4.08	0.57	3.23	0.63	1.73	0.25	1.61	0.25	16.5	167
D69	243627	3781926	1422		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
				D69-4	15-20	20% Qal: ; 80% Tc:	7.9	9.8	2.4	41.8	87.4	9.67	37.7	7.37	1.79	5.85	0.85	4.79	0.92	2.52	0.37	2.36	0.35	23.7	227
				D69-5	20-25	Tc:	8.2	10.4	2.6	43.1	93.7	9.88	38	7.6	1.87	6.14	0.86	4.9	0.94	2.6	0.37	2.4	0.36	24.4	237
				D69-6	25-30	Tc:	8.2	11	2.5	44.6	91.3	10	38.1	7.59	1.93	6.34	0.88	4.96	0.96	2.61	0.38	2.39	0.36	24.9	237
				D69-7	30-35	Tc:	7.1	10.1	2.3	40.9	84.7	9.11	35.3	6.94	1.72	5.72	0.78	4.41	0.84	2.32	0.34	2.19	0.33	22.2	218
				D69-8	35-40	Tc:	7.5	10.7	2.4	43	90.3	9.54	36.6	7.18	1.65	5.83	0.81	4.65	0.89	2.43	0.35	2.23	0.33	23.6	229

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
				D69-9	40-45	Tc:	6.5	10.1	2.2	38.1	82.7	8.61	32.8	6.45	1.53	5.29	0.74	4.16	0.8	2.21	0.32	2.05	0.3	21.7	208
				D69-10	45-50	Tc:	5.1	8.4	1.8	33.1	68.3	7.27	27.1	5.26	1.37	4.49	0.61	3.45	0.66	1.82	0.27	1.73	0.26	17.4	173
				D69-11	50-55	Tc: ; minor Tsp:	4.7	7.1	1.6	27.8	57.6	6.1	22.9	4.35	1.45	3.74	0.51	2.92	0.56	1.54	0.23	1.52	0.24	14.3	146
				D69-12	55-60	Tsp:	7.4	7.1	1.6	36.4	78	8.48	32.4	6.35	1.6	5.47	0.75	4.21	0.81	2.22	0.32	2.02	0.3	21.2	201
				D69-13	60-65	Tsp: ss contamination from above	11	9	2.2	51.2	107.5	11.95	46.3	9.06	1.93	7.36	1	5.59	1.07	2.9	0.42	2.61	0.37	30.2	279
				D69-14	65-70	Tsp: ss contamination from above	12	11.4	2.4	57.5	101.5	12.75	49.2	8.7	2.13	7.59	1.14	6.59	1.25	3.51	0.47	2.97	0.44	31	287
				D69-15	70-75	Tsp: ss contamination from above	14.4	8.3	1.7	45.1	81.4	9.85	40.3	7.73	1.85	6.85	1.09	6.38	1.2	3.44	0.47	2.93	0.42	30.6	240
				D69-16	75-80	Tsp:	19	4.9	1	65.3	119	14.85	58.5	10.85	2.91	10.15	1.58	9.28	1.78	5.14	0.68	4.24	0.61	43.7	349
				D69-17	80-85	Tsp:	13	5.2	1	53.5	117.5	13.55	56.3	10.75	2.59	9.01	1.35	7.76	1.49	4.09	0.56	3.45	0.5	38.8	321
				D69-18	85-90	Tsp:	13.9	4.6	1	43.1	89.3	10.6	43	8.06	2.15	6.95	1.03	5.87	1.14	3.1	0.41	2.52	0.37	29.7	247
				D69-19	90-95	Tsp:	15.2	6.1	1.2	51.1	111	13.1	53.7	10.25	2.62	8.54	1.3	7.44	1.45	4.01	0.53	3.34	0.49	38.1	307
				D69-20	95-100	Tsp:	12.3	7.4	1.3	45.6	97.5	11.45	46.3	8.73	2.26	7.63	1.12	6.26	1.26	3.29	0.45	2.77	0.41	31.1	266
D70	243651	3781942	1433		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0
					25-30	Qal:																			0
				D70-7	30-35	10% Qal: ; 90% Tc:	7	13.7	2.7	38.6	83.9	9.29	36.7	6.83	1.41	5.56	0.82	4.68	0.92	2.55	0.36	2.34	0.36	24.4	219
				D70-8	35-40	Tc:	7.1	13.1	2.6	37.3	79.8	8.96	35.5	6.61	1.43	5.3	0.78	4.47	0.87	2.42	0.34	2.23	0.34	23.5	210
				D70-9	40-45	Tc:	8.5	12.7	2.8	42.1	76.6	8.77	34.2	6.05	1.96	5.63	0.85	4.87	0.92	2.65	0.36	2.32	0.35	24	212
				D70-10	45-50	Tc:	8.3	13.2	2.8	44.9	79.5	9.12	35.4	6.25	1.95	5.81	0.87	4.98	0.94	2.7	0.36	2.34	0.35	24.8	220
				D70-11	50-55	Tc:	7.6	12.5	2.7	40.6	73	8.28	32.3	5.66	1.77	5.37	0.8	4.59	0.87	2.47	0.34	2.2	0.33	23.1	202
				D70-12	55-60	Tc:	6.5	10.8	2.3	35.6	64.1	7.29	28.3	4.9	1.68	4.53	0.69	4	0.75	2.16	0.3	1.98	0.3	20.1	177
D71	243683	3781955	1433		0-5	Qal:																			0
					5-10	Qal:																			0
					10-15	Qal:																			0
					15-20	Qal:																			0
					20-25	Qal:																			0
					25-30	Qal:																			0
				D71-7	30-35	minor Qal: Tc:	7.6	11.9	2.6	39.3	71.1	8.11	31.6	5.54	1.85	5.41	0.79	4.62	0.86	2.51	0.35	2.22	0.35	22.9	198
				D71-8	35-40	Tc:	8.3	12.1	2.6	42.1	75	8.71	33.8	5.97	1.96	5.63	0.83	4.84	0.91	2.62	0.37	2.31	0.35	23.7	209
				D71-9	40-45	Tc:	8.1	12.4	2.6	41	73.9	8.3	32.7	5.82	1.81	5.48	0.82	4.76	0.91	2.6	0.36	2.26	0.35	23.5	205
				D71-10	45-50	Tc:	7.8	11.9	2.5	38.5	71.4	8.2	32.1	5.69	1.86	5.41	0.82	4.69	0.88	2.55	0.35	2.23	0.34	22.9	198
				D71-11	50-55	Tc:	7.8	13	2.7	42.8	74.5	8.63	33.2	5.81	1.92	5.47	0.83	4.72	0.88	2.58	0.35	2.29	0.35	23.6	208
				D71-12	55-60	Tc:	6.7	11	2.1	38.3	69.5	7.96	30.8	5.48	1.65	5.06	0.77	4.36	0.83	2.36	0.33	2.11	0.32	21.8	192
				D71-13	60-65	Tc:	5.5	9.4	1.9	32.4	56.5	6.63	25.4	4.49	1.56	4.17	0.63	3.69	0.68	1.99	0.28	1.75	0.27	18.1	159

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DH	Easting	Northing	Elevation (feet)	Sample No.	Depth	Description	Sc	Th	U	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Y	TOTAL REE METAL
																									0

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APPENDIX D WOOD REVIEW OF LA PAZ METALLURGICAL TEST WORK DATA AND PROGRAM

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Memo

To	**Denis Geldard**	From	**Greg Henderson**
Date	**13 February 2020**	Tel	**08-9347 4183**
Ref		Fax	
cc		Email	**Greg.henderson@woodplc.com**
		Filename	la paz project - review of metallurgical testwork data and program_b

Subject: REVIEW OF LA PAZ METALLURGICAL TESTWORK DATA AND PROGRAM

1. INTRODUCTION

Broken Hill Prospecting Ltd (BHPL) requested Amec Foster Wheeler Australia Pty Ltd (trading as Wood) to undertake a review of available metallurgical testwork data and information generated to date and comment on the next steps required for future process design development for the La Paz Rare Earth Project in Arizona, USA.

It is understood that BHPL has formed a 100% owned US-based subsidiary (La Paz Rare Earth LLC) to acquire and develop the La Paz Rare Earth Project located approximately 170 km NW of Phoenix, Arizona. Testwork development was undertaken during 2011 - 2012 under the ownership of, initially Uranium King, and later Australian American Mining Corporation Ltd, with an independent NI 43-101 report being completed in late 2011[1].

The focus of the current scope is:

- Review provided reports and presentations
- Provide a commentary on the results and recommendations for further work
- Propose possible process flowsheet options for the next phase of the work (Conceptual study)
- Generate a scope for work for a suitable metallurgical testwork program to test proposed flowsheet options, drawing on in-house experience and information from comparable projects in the public domain
- Prepare an RFQ document and request quotations from laboratories
- Evaluate quotations and propose how to split the scope of work (if beneficial) and where to conduct this testwork. Provide budget estimate for testwork for BHPL's approval.

[1] https://www.bhpl.net.au/lapaz

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This report encompasses the findings from the above scope of work.

2. PROVIDED DOCUMENTS

BHPL has provided the documents for review:

1. Interim Report for La Paz Rare Earth Project, by J.W. Peterson and B Fee, dated December 2011
2. NI 43-101 Technical report for La Paz Rare Earth Project, dated December 2011
3. La Paz Project Presentation, (26 pages), BHL, January 2020
4. Information from BHL's web site bhpl.net.au
5. **An Investigation by High Definition Mineralogy into the Mineralogical Characteristics of the three Metallurgical Samples, June 2011**
6. Draft Metallurgical Test Report – La Paz Rare Earth Project, SRC Publication No. 13019-21C11, October 2011
7. Final Report, TREO Concentrating Processes from Drill Hole Samples of the La Paz REE Deposit, SRC Publication No. 13179-1C11, October 2011
8. Final Report, La Paz Rare Earth Project - Leaching Test, SRC Publication No. 13179-1C12, April 2012.

These documents have been reviewed as a basis for understanding the mineralogical and metallurgical characteristics of the ore, serving as a foundation for recommending conceptual processing routes and a testwork program.

3. METALLURGICAL REVIEW

3.1 SGS Canada (June 2011), Project No. 50114-01

Three samples of ore were submitted by Uranium King (the predecessor of Australian American) to SGS in Vancouver Canada for mineralogical evaluation. Photos in the report suggest the samples originated from diamond drill core but hole numbers and intervals were not included in the report, so representativeness of the mineralogy relative to the orebody cannot be established. The following analyses were undertaken:

- X-Ray Diffraction (XRD) Analysis – identifies major, minor and trace minerals present based on semi-quantitative identification of unique X-Ray diffraction spectra
- QEMSCAN – identifies major, minor and trace minerals present in a quantitative manner using electron microscopy in two modes – Particle Mineral Analysis (PMA), which scans the entire polished sample section to provide a statistically robust mineral distribution, and Specific Mineral Search (SMS) which quantities the degree of REE locking within gangue minerals which is useful for determining liberation sizes required.
- Electron Microprobe Analysis (EMPA) – elemental analysis of individual mineral particles using a narrow electron beam, producing images of particle composition
- Chemical analysis – Selected elemental composition of the prepared head sample, focussing on rare earth elements

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3.1.1 XRD Analysis

SGS reported that XRD and QEMSCAN analyses were in close agreement. Both analysis methods have trouble differentiating between minerals with similar chemistry, in particular iron oxides (e.g. magnetite and hematite) so they are grouped together. These can be quantified separately using chemical methods, analyzing for ferric (hematite) and ferrous (magnetite). In the case of La Paz ore samples, the iron oxide content is very low, being a primarily silicate hosted mineral assemblage, so minimum issues were experienced.

In all three samples, quartz was the dominant mineral present, followed by plagioclase. Mica and potassium feldspar in moderate amounts. In Sample UKC-02, mica was more abundant than potassium feldspar than Samples UKC-01 and 03. Minor levels of epidote and carbonates were also present (dolomite and calcite) in the three samples.

Trace minerals were difficult to analysis for due to their low concentrations. Monazite, chlorite, kaolinite, rutile, sphene, ilmenite and diopside were present in trace quantities. Allanite, the rare earth mineral of key interest, was detected predominantly in fine fractions.

The XRD analysis is of limited value due to the lack of reported concentrations. XRD analyses in more recent reports by laboratories generally present estimated quantities which are more useful. The ores are however very siliceous in nature, with silica/silicate minerals making up over 90% of rock mass.

3.1.2 QEMSCAN

Quantitative analysis using QEMSCAN yielded the following compositions, summarized in Table 1.

Table 1 QEMSCAN COMPOSITION SUMMARY

Mineral	**UKC-01**	**UKC-02**	**UKC-03**
Allanite, %	0.4	0.3	0.2
Quartz, %	22.6	25.9	17.0
K-feldspar, %	23.1	4.0	26.2
Plagioclase, %	10.1	17.3	14.4
Sericite/muscovite, %	16.7	15.0	18.0
Chlorite, %	6.1	5.9	2.7
Biotite, %	3.6	11.4	1.0
Epidote, %	4.9	6.3	4.7
Sphene, %	4.8	3.3	3.3
Calcite, %	0.1	0.1	3.1
Fe oxides, %	1.6	1.9	3.1
Clays, %	3.8	5.6	4.3
Sulphides, %	0.4	1.0	0.1
Other, %	1.8	2.0	1.9
Total, %	**100.0**	**100.0**	**100.0**

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La Paz ore is dominated by quartz and silicates, making up 84 to 87% of total mineral composition. Minor carbonates and iron oxides are present, and clays are present in quantities of 4 to 6%, though clay type was not identified, i.e. swelling or non-swelling, which can affect materials handling properties. Allanite was identified as 0.2 to 0.4% by mass, but the accuracy of QEMSCAN at these levels is limited.

Grain size analysis was also undertaken for each composite which provides guidance on liberation characteristics, summarized in Table 2.

Table 2 AVERAGE GRAIN SIZE SUMMARY (in microns)

Mineral	UKC-01	UKC-02	UKC-03
Allanite	13	23	15
Quartz/Feldspar	34	30	30
Mica/Clays	16	15	15
Other Silicates	18	20	18
Particle	70	71	61

For composites UKC-01 and 03, allanite has a very fine grain size distribution relative to the overall particle size distribution for the ore. The average grain size was 13 to 15 microns for these two samples, compared with 61 to 71 microns for the average particle distribution. Sample UKC-02's allanite grain size was somewhat coarser at an average size of 23 microns. The particle average grain size as 70 microns, much coarser than the identified minerals, which was not explained in the report. However, it can be concluded that allanite, being much finer than associated gangue minerals, requires a fine grind to achieve adequate liberation.

3.1.3 EMPA

EMPA was used to quantify REEs within discrete grains of allanite. SGS reported that the allanite grains probed contained an average of 10.11% Ce_2O_3, 0.10% Y_2O_3, 4.97% La_2O_3, 1.00% Pr_2O_3 and 3.20% Nd_2O_3. The other minerals analysed were found to have REEs below detection limits of the electron microprobe. A summary of key RE elemental deportment is presented as Table 3.

Table 3 EMPA ELEMENTAL DEPORTMENT SUMMARY

Mineral	Ce	La	Nd
Allanite	88.2 to 99.9	89.2 to 99.9	91.3 to 99.8
Monazite	<1 to 6.0	<1 to 5.2	<1 to 8.1
Other RE minerals	<1 to 10.2	<1 to 9.4	<1 to 14.0

Each sample has slightly different deportments of RE elements. Sample UKC-01 has around 93% of RE elements in allanite, with around 6% in monazite and the balance in other minerals (not identified by SGS). In sample UKC-02, >99% of RE elements are in allanite, with little associated with other minerals. In sample UKC-03, 88 to 90% of RE elements are in allanite, but the balance is primarily in unidentified cerium minerals (possibly parasite or cerianite). Despite these uncertainties, the focus should be on allanite liberation and recovery as the main RE mineral.

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3.1.4 Mineral Liberation

Analysis indicates that only 14 to 23% of total allanite is free and liberated (overall). Allanite is mainly present as complex intergrowths with other silicates, with minor association with oxides and carbonates. Liberation is higher in the -25 microns fraction than in the coarsest fraction of +150 microns, which aligns with grain size analysis discussed earlier. Even in the finest size class of -25 microns, 30 to 50% of allanite is locked in intergrowths, with a constant 16 to 17% in middlings (partially liberated and potentially recoverable).

The degree of locking limits the ability to achieve high REO grades without accepting a lower recovery (<50%), even with fine grinding ahead of recovery.

3.2 Saskatchewan Research Council Programs

16 drill chip samples ranging in depth from surface to 80 ft (24.5 m) were submitted to the Saskatchewan Research Council (SRC, Saskatoon) for analysis and preliminary metallurgical testwork after compositing. Testwork programs undertaken were as follows:

- SRC Publication No. 13179-C11, Oct 2011 – beneficiation testwork (gravity concentration, magnetic separation and flotation)
- SRC Publication No. 13179-C12, Apr 2012 – pyro and hydrometallurgical treatment of concentrate produced in the beneficiation program

3.2.1 Program 13179-C11

Head Characterisation

No discernible enrichment or depletion with depth was noted for any of the RE elements analysed. The composite averaged 415 ppm total REO content, with major components being 66 ppm La_2O_3, 160 ppm DeO_2, 69 ppm Nd_2O_3 and 18 ppm Pr_6O_{11}. Minor heavy RE elements were also detected at levels 12 ppm or lower. These concentrations are considered to be extremely low compared to other rare earth projects in operation or currently in development. However, the gangue mineralogy is predominantly silicates, and provided liberation of allanite can be achieved it may be possible to achieve a reasonable upgrade ahead of RE element extraction.

Elements attracting the highest revenue in terms of payability and value in terms of $/lb in today's market are neodymium, praseodymium and dysprosium. Cerium, whilst relatively plentiful in the La Paz ore, as it is in most light rare earth deposits, has a low unit value due to limited industrial applications (mainly as a polishing medium) and barely covers the cost of separation. Lanthanum is more attractive and can be sold at a profit after separation from other mixed light and heavy RE carbonates.

Size by size analysis indicated enrichment in the minus 38 microns fraction after being wet milled to minus 300 microns in a rod mill, with the total REO grade virtually doubling to 808 ppm in this fraction, indicating grinding moves the fine allanite into the fines fraction.

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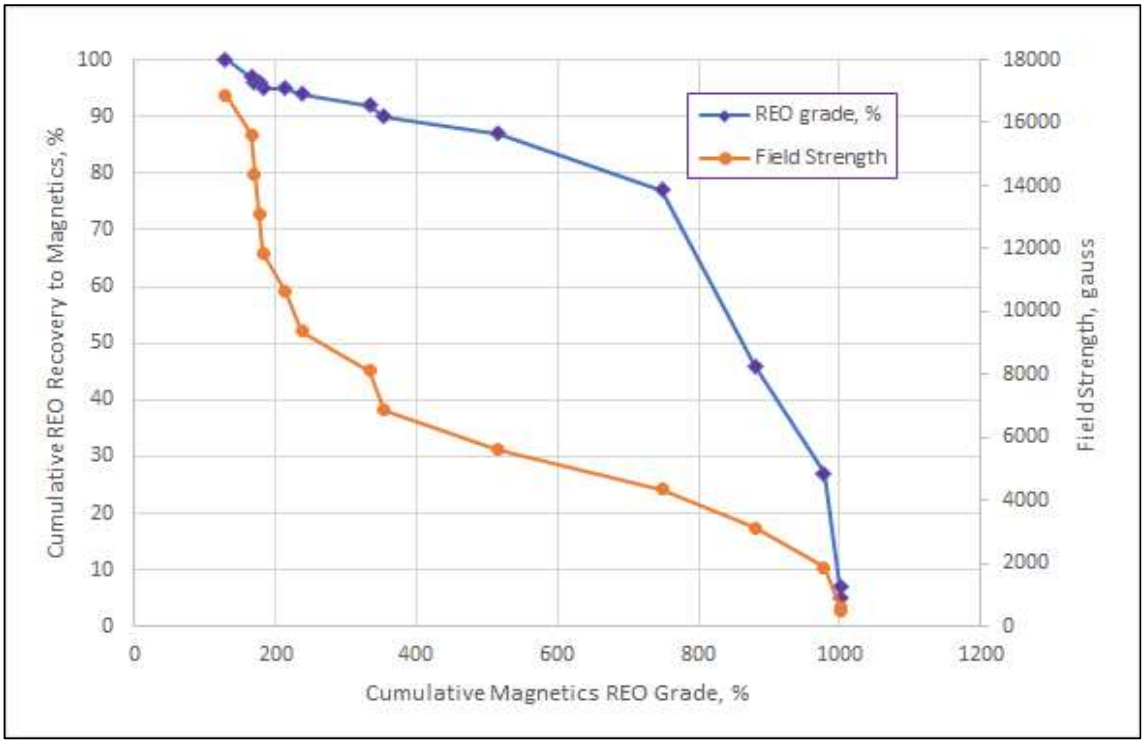
SRC suspected an association of RE elements within clays via an ion adsorption mechanism, so a trial involving scrubbing of the ore followed by ammonium chloride leaching was undertaken. Zero extraction was achieved after 48 hours, indicating that RE elements are not associated with clays.

Magnetic Separation

A split of the 50-55 ft interval was selected for magnetic separation testwork, assumed to be due to having the highest REO content of the intervals provided for testing. The sample was milled to minus 300 microns and screened at 74 microns. The oversize fraction was subjected to magnetic separation at increasing field strengths (tails from each pass was used as feed for the next pass at the higher field strength) of 1250 gauss increments. Figure 1 shows a plot of field strength versus cumulative concentrate recovery and grade. Grades have been smoothed to remove assaying anomalies.

Figure 1 Magnetics REO Grade vs Cumulative Recovery and Field Strength



Allanite is a paramagnetic mineral and should respond to moderate to high field strengths (5000 to 14000 gauss), which is reflected in the plot. Higher grades are achieved at low gauss levels (typical LIMS operating range of 600 to 1500 gauss) but recovery is poor. Beyond 14000 gauss, only locked particles are being recovered. SRC highlighted that 77% of REOs in the test feed reported to concentrate for an average grade of 870 ppm for a mass yield of 52%.

The result is promising in that it demonstrates some affinity of allanite to magnetic recovery, but the grind size adopted is too coarse for any meaningful upgrade. The test device used,

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and test conditions adopted (pulp density, flow rates, pulse rates, etc) were not stated in the report so it is difficult to interpret much more from the data. Mineralogy suggests that a finer grind should improve the grade of magnetics and is worth further investigations.

It is noted that the minus 74 microns material was not subjected to magnetic separation. Given the enrichment of REOs in the fine fraction noted by SGS, it is recommended that the full stream be subjected first to LIMS processing to remove ferromagnetic minerals such as magnetite, followed by WHIMS to recover the paramagnetic minerals, including allanite. Hematite and monazite should also be recovered to magnetics to a certain extent, depending on their mineralogical purity (hydrated monazite, or rhabdophane, can have poor magnetic properties and hematite weathering to goethite has poor properties also).

Flotation

Composite material ground to minus 300 microns was split into three size fractions: 106 to 300 microns, 45 to 106 microns and minus 45 microns. The latter was subjected to flotation with one rougher stage and two cleaner stages, operating in locked cycle (Cleaner 2 tails recycle to Cleaner 1 feed and Cleaner 2 1 tails recycled to Rougher feed). The number of cycles was not reported; successive cycles are needed to achieve equilibrium between products and feed mass/assays, typically up to six cycles.

Hydroxamic acid (alkyl and sodium alkyl) were used as collectors, which are used for bastnaesite and monazite flotation. Sodium silicate was used a gangue depressant, with no other reagents mentioned. Alkyl hydroxamic acid produced a higher grade and recovery than sodium alkyl hydroxamate but the grade and recovery (896 ppm TREP and 53.7% respectively) are no better than magnetic separation.

Re-running the test with four counter-current cleaning tests improved grade to 1248 ppm TREO but recovery dropped to 31.5%. Mineralogy suggests that this is due to lockup of allanite which prevents higher grades without corresponding loss of REO values. Regrinding of rougher concentrate to a finer size ahead of refloating may allow the grade-recovery relationship to be improved.

Gravity Separation

After the flotation work, SRC refocussed efforts on gravity recovery at coarser sizes using heavy liquid separation (HLS) to determine ultimate theoretical separation. A heavy liquid of SG 3.0 was used for initial separation on the 150 to 300 microns fraction produced as part of the feed preparation ahead of the flotation work.

HLS indicated the grade could be increased to 1228 ppm TREO, representing 15.5% TREO and 4.3% mass yield. Increasing the separation medium to an SG of 3.3 increased the grade to 1849 ppm TREO but recovery and mass yield dropped to 11.9% TREO and 2.2% respectively.

Based on results of HLS work, SRC undertook shaking table separation on a 106 to 300 microns fraction. TREO recovery was 13.0% at a grade of 1839 ppm for 3.1% mass yield, a slight

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improvement on the HLS work. 27.6% of REO content was contained in middlings, with the balance reporting to tails.

Further sub-samples of 106 to 300 microns fraction were subjected to magnetic separation, followed by HLS on magnetic concentrate. Two field strengths (4375 and 5625 gauss) were tested to ascertain which provided the better upgrade. Unfortunately, two different heavy liquid SGs were used (2.8 and 3.0) for the tests so a direct comparison of the effectiveness of magnetic separation on tailings is not possible. In combination, however, the lower liquid media of 2.8 SG and higher gauss produced a superior recovery of 41.8% TREO at 1206 ppm TREO grade. The higher liquid SG produced a higher grade but lower recovery.

Combinations of magnetic separation followed by shaking table, and vice versa, were trialled on the same size fraction. Using magnetic separation fooled by gravity separation, a table concentrate of 2005 ppm TREO was produced, representing 14.5% recovery in 3.8% mass yield. Applying shaking tabling first followed by magnetic separation of table middlings and tailings produced a table concentrate of 1839 TREO grade and 13% recovery. Magnetic concentrate recovered 72.4% of REOs but the grade at 472 ppm was similar to the feed, hence no real upgrade has occurred. SRC indicated that the magnetic concentrate could be reground and combined with the minus 106 microns fraction for flotation treatment. However, it is likely that a much finer grind will be needed to achieve significant upgrade.

Sighter Acid Bake-Water Leaching (Program 13179-C11)

A sample of composite was ground to minus 74 microns, mixed with concentrated sulphuric acid to make a paste and baked at 300 deg C for three hours. The calcine was then leached in water for three hours and the residue filtered and washed to recover REE values.

60% LREOs and 35% HREOs were leached, with an overall weighted TREO recovery of 56%, an encouraging result.

Cerite, a complex rare earth silicate mineral - $(Ce,La,Ca)9(Mg,Fe)(SiO4)_6(SiO_3OH)(OH)_3$ - was identified as containing cerium and lanthanum. However, this was not identified in the mineralogical work conducted by SGS. Allanite, - $(Ce,Ca,Y,La)_2(Al,Fe^{3+})_3(SiO_4)_3(OH)$ – has such similarity in molecular formula to cerite that it may have caused confusion in analysis. The source of this observation was not stated in the report.

3.2.2 Program 13179-C12

Concentrate Preparation

To undertake additional roast-leach testwork, additional composite was subjected to grinding and beneficiation to produce sufficient concentrate according to the following flowsheet (Figure 2). Total concentrate, comprising table, magnetic and flotation concentrate components, recovered 54.7% TREOs for a grade of 849 ppm TREOs into 22.2% mass.

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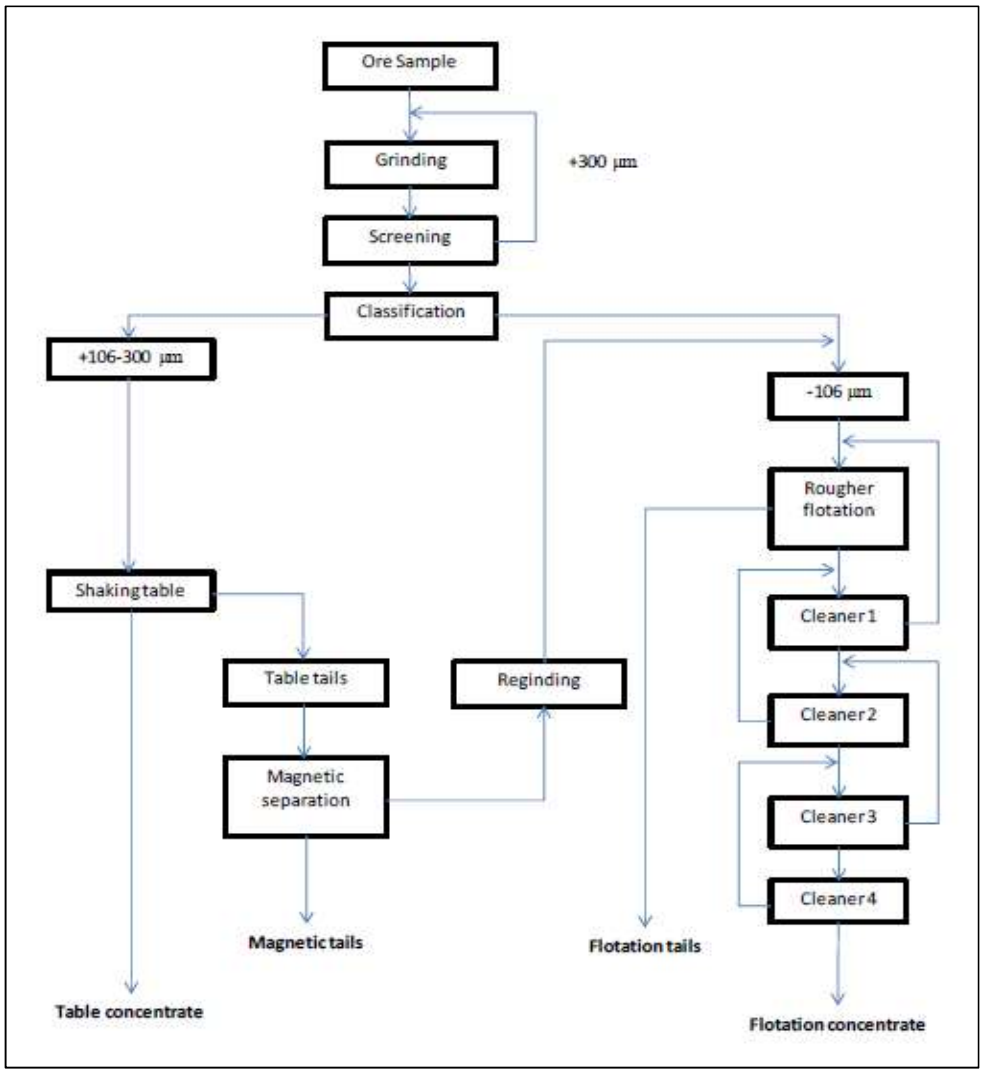
Figure 2 SRC Flowsheet for La Paz Concentrate Preparation



Source: SRC Publication No. 13179-C12, Apr 2012, p2.

Mineralogy

Mineralogical evaluation of the concentrate indicated the following:

- 28.48% of total mass was allanite, however, only 0.95% was mineralised with rare earth elements (Ce-allanite), the remainder being barren. It is not clear if barren allanite behaves the same magnetically as Ce-allanite.
- The iron oxides group was the largest at 53.16% mass, the makeup of which has not been differentiated. Undertaking analysis of table concentrate, magnetics and flotation concentrate separately would give guidance as to which beneficiation method is more efficient for each mineral group.
- Titanite (sphene) and rutile make up 6.96 and 1.58% respectively. Both are titanium minerals but sphene can contain rare earth elements.

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- Albite, a plagioclase feldspar mineral, was quantified as 4.11%, with quartz being present in the same concentration.

Mineralogy indicated that the largest REE-allanite crystals were partially to completely enclosed within barren allanite. Smaller REE-allanite grains were fully liberated or enclosed in iron oxide minerals, supporting the need to grind fine to achieve sufficient allanite liberation. However, encapsulation of REE-allanite within barren allanite means that even if pure allanite could be recovered to concentrate, only 3.3% would be REE-allanite. Of this, approximately half is accounted for by rare earth oxides, or 1.65%. Pure REE-allanite is unrealistic, so an ambitious target might be 0.7% TREO content in concentrate (50% recovery). This equates to a 17:1 upgrade which could be achievable.

Acid Bake-Water Leach Tests

Acid roast-leach tests with a 1:1 ratio of acid to solids concluded that a roasting temperature of 250 to 275 deg C was optimal for a duration of 120 mins at temperature, similar to spodumene acid bake conditions. Temperature greater than 300 deg C resulted in a rapid drop off in recovery. Post-bake water leach extractions for LREO, HREO and TREO were 88.4, 47,6 and 81.0% respectively, a big improvement over the initial sighter test.

Increasing roast time to 240 mins produced poorer water leach extractions, declining steadily from 200 deg C.

Based on these results, the shorter roast time at 275 deg C appears optimal, with exceptional overall extractions.

Experimentation with different acid:concentrate ratios indicated that the high ratio of 1:1 is needed to achieve good kinetics and terminal extraction, with a maximum temperature of 300 deg C and roast duration of 120 mins.

Caustic Cracking Tests

An alternative to sulphuric acid baking is to use sodium hydroxide (caustic) "cracking", which allows a lower operating temperature and generally lower reagent to solids ratios. The advantage of this approach is that the caustic decomposes the gangue minerals, leaving the RE elements in the residue after water leaching. However, the initial four tests using 50% w/w strength caustic resulted in little mass loss after 5 hours of treatment, indicating the gangue minerals had not decomposed.

The caustic : solids ratio was increased to 1.2:1 and caustic concentration to 60% w/w which induced a weight loss of 30%. However, the level of mass loss was not deemed sufficiently high to warrant further investigation.

Hydrochloric Acid Leaching

HCl leaching was trialled with ratios of 0.5:1 and 1:1 HCl to concentrate solids, at 250 deg C, 5 hours reaction time and 6 hours leach time. Very low extractions of both LREOs and HREOs

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were achieved (7.8% and 10.4% respectively for the 1:1 ratio test), and only 7 to 10% for TREOs. As a result, this testing route was not continued.

Calcination-Dilute Acid Leaching

Calcining at 800 deg C for 24 hours followed by leaching in either 18% HCl or 20% H_2SO_4 for 6 hours was trialled. Low extractions comparable to the strong HCl leach results were achieved, so this route was also discontinued.

Bottle Leaching

Bottle rolls tests were conducted as a proxy for heap or vat leaching, using different strengths of HCl and H_2SO_4. Leaching times were 120 to 240 hours and acid ratios of 0.5:1 and 1:1 were trialled at ambient temperature. Overall leach extractions were in the range 13.5 to 17.8%, with 1:1 ratio HCl yielding the best result. However, this is still well short of the acid bake test results.

3.2.3 Concluding Comments

SRC's work has laid the foundation for undertaking more ambitious testwork aimed at improving the concentrate grade ahead of downstream processing in order to keep energy and regent costs under control. In a sense, the mineralogy and treatment route proposed by SRC has more in common with spodumene concentrate processing to extract lithium, which employs magnetic separation and flotation for concentration, followed by calcining for mineral conversion from alpha to beta state, ahead of pug mixing with acid and water leaching.

Wood has several concluding comments on this program:

- Samples used for testwork were drill chips rather than solid diamond core, containing excessive fines. For beneficiation work, this can lead to erroneous observations and skewed results. SRC did highlight this issue in their conclusions also, but whole rock or drill core needs to be used for new programs.
- The SRC beneficiation report lacked detail with respect to operating conditions and did not explore alternative reagents sufficiently before launching into locked cycle testing, an expensive undertaking.
- The work focussed on coarser grind sizes, yet mineralogy indicates that allanite is present in sizes much finer than the host gangue minerals and requires grind sizes of the order of 80% passing 25 microns to sufficiently release these minerals.
- Potential for gravity separation is limited due to poor liberation at sizes within the gravity recoverable range.
- High intensity magnetic separation followed by flotation shows good potential to produce a concentrate that can be treated in an extraction plant. A large proportion of silicate gangue can be rejected ahead of flotation where it would likely compete with allanite in flotation due to its silicate form.
- The low concentration in the ore at 0.04% TREO means that achieving more typical concentrate grades for other rare earth operations of 20% TREO or higher will be very difficult. At best a 15 to 20 times concentration can be expected, which will mean concentrate grades of 7000 ppm TREO at best.

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- Leaching testwork explored a number of avenues which allowed non-viable routes to be eliminated early. Strong sulphuric acid baking with a 1:1 ratio, 300 deg C operating temperature and 2 hours bake time yielded high extractions and should be considered for further evaluation.

4. FLOWSHEET DEVELOPMENT

4.1 DISCUSSION

Elements of the SRC work provide good guidance for developing possible flowsheets for further development of the La Paz Project. Mineralogical investigations by both SGS and SRC are useful for understanding mineral assemblages and liberation characteristics. Key building blocks for processing La Paz ore are discussed in the following sections.

4.1.1 Comminution

In order to achieve economy of scale in terms of capital and operating cost efficiencies, the operation will by necessity have a large throughput. As a guide, to produce 10 kt/a of TREOs in concentrate, and assuming an overall recovery of 50% (60% recovery to concentrate and 83% to RE carbonates) from feed of average grade 370 ppm TREO, a run of mine processing rate of 48.4 metric Mt/a is required. This will require large gyratory crushers and cone crushers (for grinding options other than SAG milling) to prepare feed for grinding.

With allanite having a very fine average size of around 15 microns, combinations of grinding technologies are required to achieve a sufficiently fine grind size for adequate liberation. Multiple lines of energy efficient large-scale grinding equipment will be needed, such as high pressure grinding rolls (HPGRs) and Loesche Vertical Roller Mills (VRMs), both being dry grinding technologies that are energy efficient and avoid the use of grinding balls. HPGRs in a two stage configuration can grind down to 80% passing 53 microns whilst VRMs can grind minus 100 mm ore down to 80% passing 30 microns in a single unit. Both technologies employ air classification in the absence of water as a transport medium. Figure 3 depicts the internals of a VRM unit which employs large grinding rollers on a rotating table.

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Figure 4 Loesche VRM Grinding Zone Internals

Source: https://www.mining-technology.com/contractors/crushers/loesche/

Where regrinding of concentrate to a finer size is needed, Glencore IsaMill or Outotec HiG mill wet grinding technologies are most suited due to their large capacity and grinding efficiency. Figure 4 depicts a typical IsaMill installation.

Figure 4 Typical IsaMill Installation

Source: https://www.isamill.com/en/Pages/home.aspx

A HiG mill is a vertical equivalent to an IsaMill unit which also uses ceramic media and rotating disks, originally developed by an Austrian firm.

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4.1.2 Magnetic Separation

The use of WHIMS appears to offer a pathway for primary beneficiation to reject the bulk of barren silicates ahead of flotation as allanite is paramagnetic. It still needs to be confirmed if barren allanite is paramagnetic or just mineralised allanite due to the REE core within particles. If barren allanite can be rejected it offers the potential to greatly reduce mass ahead of flotation, thus conserving capital and reagents.

WHIMS technology has come a long way since 2011 with the advent of pulsating high gradient magnetic separator (PHGMS) units from China with very high capacities of up to 750 t/h. These devices allow adjustment of stroke and oscillation frequency to minimise entrainment of non-magnetics, improving concentrate grade. Typically, a configuration would involve multiple rougher units followed by cleaner stages, but this would need to be tested. Scavenger stages may also be warranted depending on pass efficiency. In terms of capital efficiency, magnetic separation units are difficult to surpass, and maintenance costs are very low. Whilst the units typically work better with deslimed feed they can operate with un-deslimed feed as well provided the feed is sufficiently diluted to overcome viscosity effects.

LIMS units may be necessary ahead of the WHIMS units to remove magnetite, but this would require confirmation in testwork as mineralogical work could not differentiate between magnetite and other iron oxides. Magnetite will clog the matrix inside WHIMS units, making them inoperable, so it is important to remove it first with LIMS units. Depending on quality and quantity of magnetics, this could also present a secondary commodity stream for the project.

4.1.3 Gravity Concentration

Whilst gravity concentration yielded the highest REO grades in testwork, mass yield was very low (less than 2%) and only 6% of TREOs were recovered. Gravity concentrating equipment typically have low unit capacities, so a large number of units would be required to recovery a very small concentrate mass yield. For this reason, Wood recommends excluding gravity concentration from future flowsheet considerations.

4.1.4 Flotation

Flotation has been demonstrated to provide good levels of REO recovery, although upgrade achieved was not high (440 to 1248 ppm TREO). This is considered to be a function of the level of liberation of allanite which limits the ability to achieve higher recoveries. It is likely that higher concentrate grades would result in low recoveries, so further liberation is needed prior to cleaner flotation.

Whilst alkyl hydroxamic acid is a good starting point as a collector for floating allanite, other collectors from the sulphosuccinate, phosphoric acid-ester and fatty acid groups may be more effective. Recommendations for testing different collectors is made in the testwork program.

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More aggressive depressants may be needed to improve separation of allanite from silicates. Sodium hexametaphosphate and lignosulphonate have been shown to be effective in this regard for other rare earth projects. Testing in different pH conditions is also necessary as each mineral has a window of optimal performance which is in turn dependent on the collector being used. At fine grind sizes, greater efficiency is usually obtained with flotation columns rather than tank cells, due to the use of high shear air sparging that promotes particle collision with bubbles. This is difficult to test at bench scale but can be piloted at a relatively small scale (50 kg/h) once a reagent regime is worked out.

As Hampering efforts with selectivity is insufficient liberation of allanite which results in co-floating of composite particles. Regrinding of rougher concentrate may be necessary ahead of cleaner flotation stages. Given the low concentration, up to eight stages of cleaning may be necessary to achieve an adequate grade (a target of 0.7% TREO as indicated above). This many cleaning stages is commonplace for commodities such as molybdenum which start at concentrations of as low as 300 ppm but must achieve at least 50% in final concentrate to be saleable.

4.1.5 Concentrate Treatment

SRC testwork on treatment routes for processing La Paz concentrate points towards sulphuric acid baking of concentrate, which produced high extractions of REOs from preliminary tests. With further optimisation it is likely that higher extractions are possible. As this is the only processing route that yielded high recoveries, it is recommended that efforts be focussed on optimisation of this approach.

Acid consumption at 1:1 with concentrate is quite high given the low REO content and the mechanism for extraction needs to be better understood to identify acid consumers and drivers for leach kinetics. It is likely that if final concentrate is at a fine size, kinetics should improve somewhat but reagent consumption may increase.

Following water leaching of acid bake discharge, the RE content is upgraded through a series of purification steps:

- Water leach slurry filtration
- RE filtrate neutralisation with hydrated lime
- Neutralised RE hydroxide filtration
- RE hydroxide re-leach with HCl
- RE leach slurry filtration
- RE filtrate to sequential SX/precipitation stages to recover medium and heavy RE carbonates, Nd/Pr oxides, cerium oxide and mixed lanthanum/cerium carbonate.

4.2 Proposed Flowsheets

Figures 5 and 6 present proposed flowsheets for the concentrator and refinery to produce separate RE products.

Figure 5 Proposed Concentrator Flowsheet

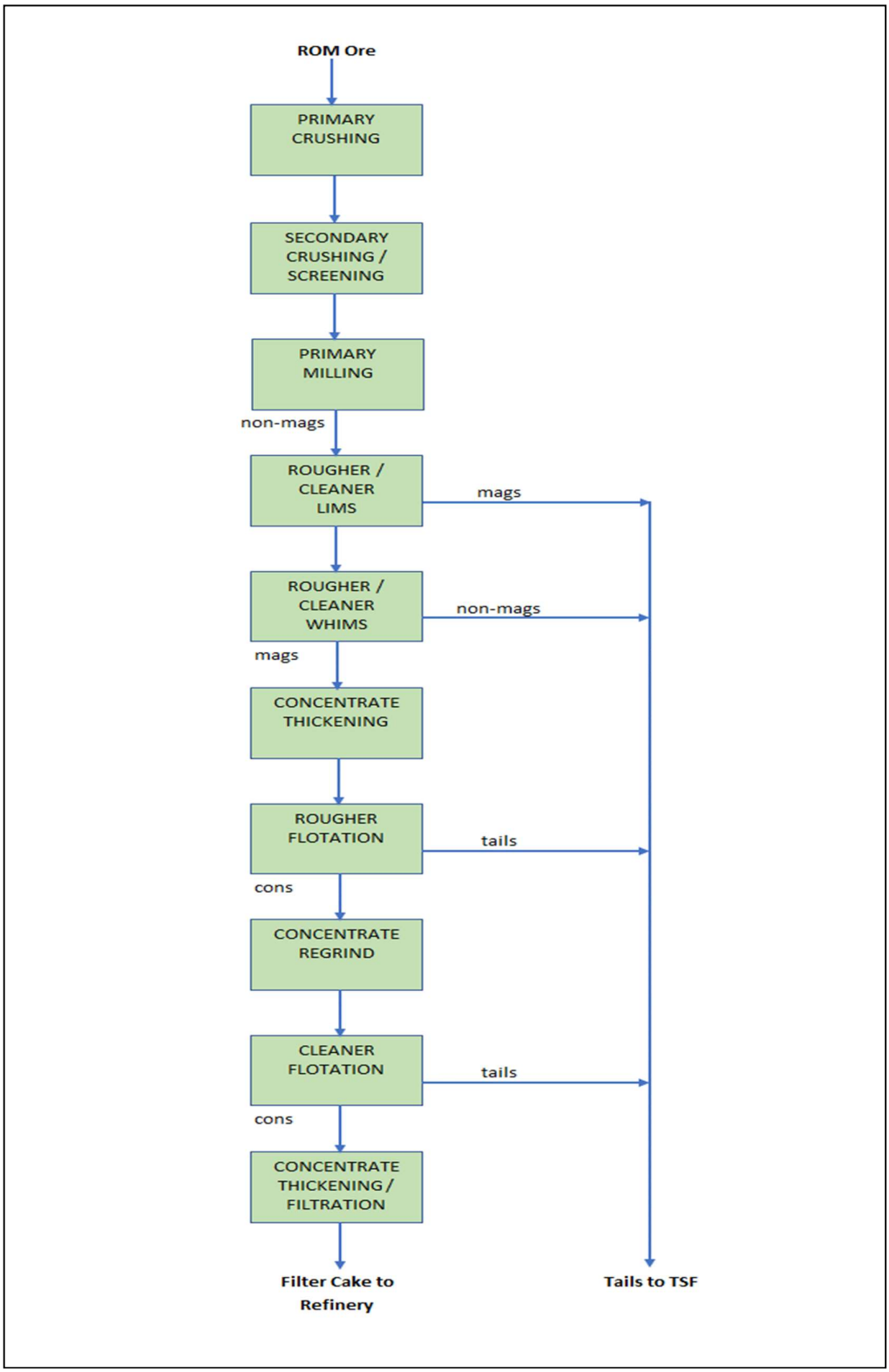

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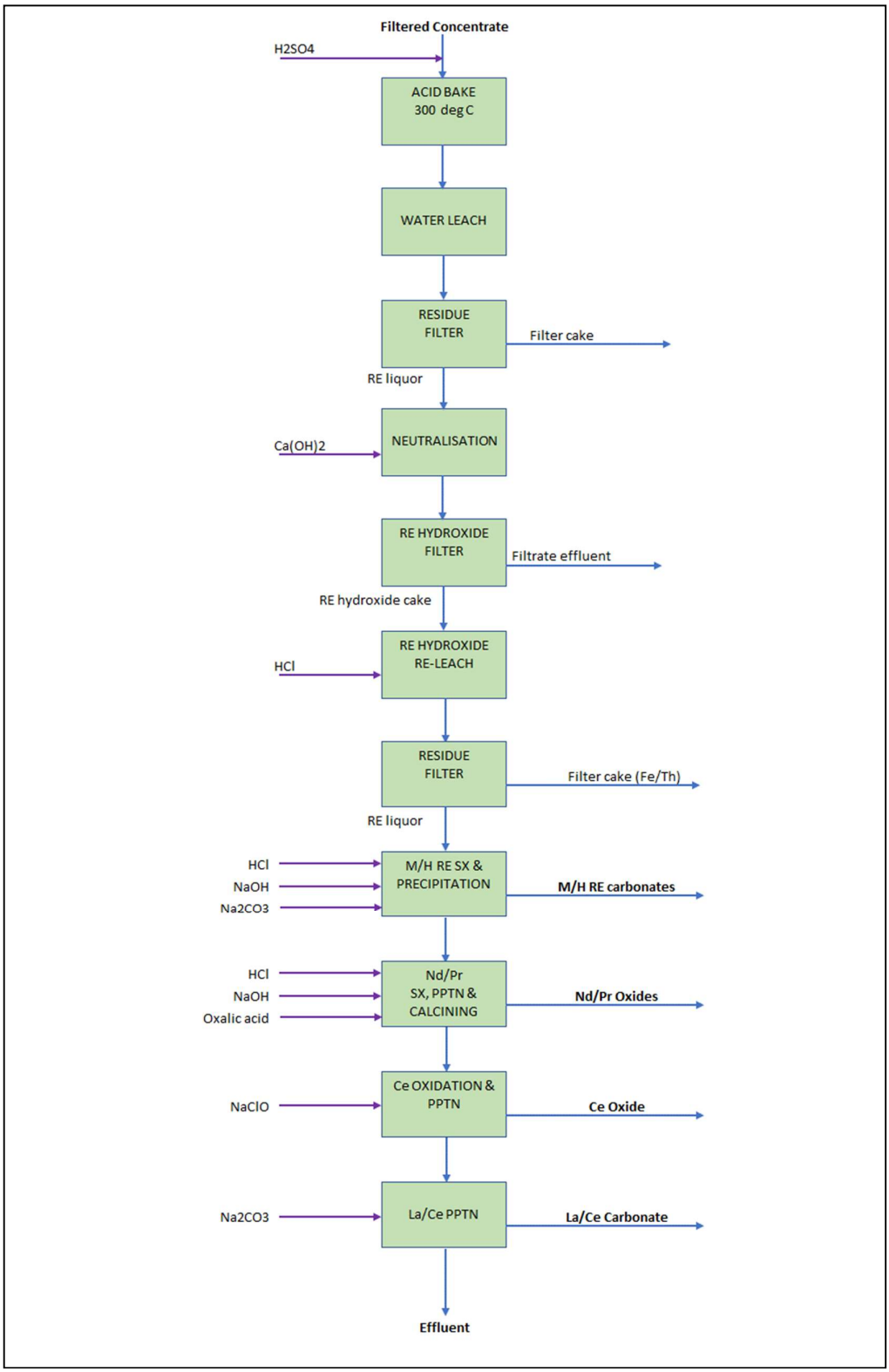
Figure 6 Proposed Refinery Flowsheet



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5. PROPOSED TESTWORK PROGRAM

Wood recommend undertaking testwork on representative drill core intercepts to avoid bias caused by excessive fines in RC drill chips. The program should be undertaken in a sequential manner, initially to determine if the ore can be successfully upgraded into a viable concentrate for treating in the refinery, followed by batch refinery testwork (acid bake, water leach and precipitation). SX areas can be modelled in early study phases but will eventually need to be piloted so production of up to 2 tonnes of concentrate is typically required to conduct a comprehensive pilot program.

5.1 Initial Program

5.1.1 Feed Characterisation

Although mineralogical work has been conducted previously it is recommended that new work be undertaken in the sample being tested due to the variability experienced in the three samples tested previously. Test elements are:

- Quantitative XRD
- Full head analysis
- QEMSCAN suite with SEM

5.1.2 Comminution

Basic testing is needed initially to characterise the ore:

- Bond ball mill work index
- Bond abrasion index
- SMC test (for SAG milling properties if the core is competent)
- SPI (used if the ore is heterogenous, comprising pump and fines)
- True ore SG

5.1.3 Low Intensity Magnetic Separation

The following is recommended:

- David Tube Recovery (DTR) tests at 5 grind sizes to establish grind vs grade/recovery for magnetite
- LIMS rougher-cleaner sighter tests at three different gauss pairing settings, e.g. 1200 gauss rougher/1000 gauss cleaner
- Bulk LIMS run at the optimal gauss level

5.1.4 High Intensity Magnetic Separation

The following is recommended (based on a SLon style PHGMS unit):

- WHIMS rougher-cleaner sighter tests at three different field strength settings, e.g. 15000 gauss rougher/12000 gauss cleaner

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- Additional sighter tests at three different pulse rates
- Bulk WHIMS run at the optimal gauss level and pulse rate

5.1.5 RE Mineral Flotation

The following approach is recommended:

- Rougher sighter tests at different grind sizes
- Collector test series
- Depressant test series
- Temperature test series
- Regrind-cleaner test series

RE flotation is notoriously difficult to get right in a short number of tests, with typically 30 to 50 tests being needed to arrive at an optimal flowsheet before considering locked cycle work. Allanite flotation is rare and there is little by way of literature available, so a significant degree of experimentation is necessary.

5.2 Future Work

Costing of work beyond the initial scope is difficult at this stage as mass yields have not been established and costs are proportional to the mass that is being handled. Some guidance on work components is provided here.

5.2.1 Locked Cycle Test

After determining optimum rougher-cleaner conditions, a locked cycle test can be undertaken to firm up the flowsheet conditions. Due to the expected low mass pull, very little concentrate will be produced from the locked cycle run for use in downstream work, but this test provides valuable data for early process design efforts.

5.2.2 Bulk Float Test

To generate sufficient sample for batch refinery testwork, a bulk flotation run will be required. The test would be run in open circuit (i.e. tails from each cleaning stage would not be recycled to the feed of the preceding stage), the aim being to produce concentrate of a target quality for pyro/hydromet testing.

5.3 Refinery Testing

The approach would first be to revisit acid bake/water leach testing to determine optimum conditions, followed by an optimised test to produce a rare earth contain liquor for purification testing. SX testing would be limited to shake flask tests to determine organic:aqueous ratios and numbers of extract, scrub and strip stages. Demonstrating the ability to separate out the various rare earth groups is an important aspect of this work.

Beyond this point, a pilot concentrator run is needed to produce bulk concentrate for pilot testing at a suitable facility such as ANSTO near Sydney, ANZAPLAN in Germany or K-Technologies in the US. Assuming a 3% mass pull at 370 ppm TREO feed grade, around 80 dry tonnes of ore would be needed.

5.4 Testwork Program

A testwork program to explore the early sections of the concentrator flowsheet (see Sections 5.1 to 5.5.1) has been scoped by Wood and costed by Nagrom (Perth WA) to provide an indication of approximate costs. Nagrom have good depth of expertise in this style of beneficiation. A summary of costs is included here as Table 4. Nagrom's proposal is included as Appendix 1. Nagrom has indicated 500 kg of core would be needed to conduct this program.

Test Section	**Cost, A$**
Feed Preparation (all stages)	23 965
Feed Characterisation (mineralogy, head analysis, size x assay)	12 080
Comminution	7 885
Magnetic Separation (sighter and bulk LIMS and WHIMS	24 530
Flotation (30 sighter tests)	23 400
Sundries (assays, analysis, couriers, consumables)	19 372
Reporting & Supervision	18 370
Sub-Total	**129 602**
Add: GST (10%)	**12 960**
TOTAL	**142 562**

Wood's time for management and interpretation would be in addition to Nagrom's cost estimate.

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6. CONCLUSION

The receding review indicates La Paz ore poses significant challenges in terms of producing a concentrate of sufficiently high grade for downstream processing due to it slow in situ grade relative to other rare earth projects in development or in operation.

Preliminary pyro/hydrometallurgical testwork has however demonstrated that rare earths can be extracted from a relatively low-grade concentrate using conventional acid bake/water leach technology. The challenge is therefore to determine if a concentrate of sufficiently high grade and recovery can be produced economically.

The provided testwork program will provide the basic information that can be used for scoping level engineering and financial assessment should BHPL choose to proceed. The size of the operation will ultimately be influenced by the annual production of RE oxides and carbonates that BHPL wish to generate. Wood would be please to assist BHPL with further development of this project.

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Appendix 1
Nagrom Testwork Proposal

NAGROM
the mineral processors

A.C.N. 008 868 335
A.B.N. 55 008 868 335

T: 08 9399 3934
F: 08 9497 1415

PO Box 66
Kelmscott WA 6991

49 Owen Road,
Kelmscott WA 6111

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Nagrom Test Work Quotation Q06568

Prepared for: Greg Henderson
Wood PLC
1/240 St Georges Terrace
Perth, WA 6000
Australia

Quotation Date: 12/2/2020
Valid Until: 13/3/2020

Greg Henderson of Wood PLC has requested a quotation for Metallurgical Testwork on one (1) Allanite drill core sample.

The testwork is outlined as follows:

Sample Receipt and Preparation

- Sample Receipt and Log (~500kg Drill Core):
- Unwrap and lay out Core for Client viewing and Sample Selection
- Photograph Core Meterage (1x photo per core tray)
- Sample Selection:
  - 10x 150mm Core Segments for Moisture Determination/SG Determination via Hydrostatic Weighing (Wax and Uncoated Method, 10 test allowance per method)
  - 20x -75+51mm Segments for Bond Crusher Work Index (CWi)
- Return all Core Segments to respective trays
- Composite core to create one (1) Composite (~300kg):
  - Compositing details TBC by Greg Henderson of Wood PLC
- Crack Core Composite at 100mm
- Stage Crush to P100 31.5mm
- RSD Blend and Split:
  - 1x 20kg SPI
  - 1x 40kg Stage Crush to P_{100} 19mm
  - 100-200x -31.5+26.5mm Segments for SAG Mill Comminution (SMC)
  - Remainder to Stage Crush P_{100} 3.35mm
- Stage Crush to P_{100} 19mm (40kg)
- RSD Blend and Split:
  - 1x 20kg BAi Charge
  - 1x 15kg BRWi Charge
  - Reserve Remainder
- Dry Screen BAi Charge at 12.5mm
- RSD Blend and Split -19+12.5mm fraction:
  - 1x 5kg Bond Abrasion Index (BAi)
  - Reserve Remainder
- Reserve -12.5mm fraction:
- Conduct Bond Abrasion Index Test
- Stage Crush BRWi charge to P_{100} 12.5mm
- Stage Crush to P_{100} 3.35mm (250kg)
- RSD Blend and Split (250kg):
  - 1x 1kg Analysis/Moisture Determination/Semi Quantitative XRD

NAGROM
the mineral processors

A.C.N. 008 868 335
A.B.N. 55 008 868 335

T: 08 9399 3934
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PO Box 66
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- 1x 1kg Mineralogy (QEMSCAN (3 fraction) & SEM)
- 1x 2kg Size by Assay
- 1x 10kg Bond Ball Mill Work Index (BBWi)
- 5x 1kg Grind Establishment
- Remainder into 1kg charges

- Size by Assay (2kg) at 3.35, 2, 1, 0.71, 0.5, 0.355, 0.25, 0.212, 0.15, 0.125, 0.09, 0.075, 0.063, 0.045, 0.032 and 0.02mm
- Conduct Ball Mill Work Index (BBWi) Test
  - Closing Screen size TBC by Greg Henderson of Wood PLC
- Grind Establishment series to determine the grind time for P_{80} Vmm, Wmm, Xmm, Ymm and Zmm
- Packaging and Dispatch Preparation of the following samples:
  - 1x Xkg Semi Quantitative XRD
  - 1x 1kg Mineralogy* to ALS
  - 1x 20kg SPI
  - 100-200x -31.5+26.5mm Segments for SAG Mill Comminution (SMC) Segments
  - 1x 15kg Bond Rod Work Index (BRWi)*
    - Closing screen to be confirmed

Magnetic Separation Testwork

- Grind (5x 1kg) to:
  - P_{80} Vmm
  - P_{80} Wmm
  - P_{80} Xmm
  - P_{80} Ymm
  - P_{80} Zmm
- Filter Press and Cone and Quarter (5x Sample Allowance):
  - 1x Xkg Moisture Determination
  - 1x 0.03kg Davis Tube Wash
  - Reserve Remainder
- Davis Tube Wash (0.03kg) to produce one (1) Magnetic and one (1) Non-Magnetic fraction:
  - 5x Grind Size Allowance
  - Davis Tube Feed = 0.03kg
  - Davis Tube Angle = 45°
  - Oscillation Frequency = 60 strokes/min
  - Gauss Setting = 3000 Gauss
  - Flow Rate = 540 mL/min
  - Submit Magnetic and Non-Magnetic for analysis

Hold- Review DTR Results

- Grind to (200x 1kg) to P80 Xmm:
  - As indicated by DTR Results
- Filter Press and Cone and Quarter:
  - 1x Xkg Moisture Determination
  - 3x 5kg LIMS
  - Remainder to Bulk LIMS
- Sighter Rougher-Cleaner Low Intensity Magnetic Separation (LIMS) to produce three (3) fractions:
  - 3x Sighter Gauss Allowance
  - 20% Solids
  - Pre-treatment via Demagnetising Coil

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    - All parameters to be confirmed by Greg Henderson of Wood PLC
- Filter Press and Cone and Quarter on each fraction:
    - 1x Xkg Analysis/Moisture Determination
    - Reserve Remainder
- Bulk Rougher-Cleaner Low Intensity Magnetic Separation (LIMS) on remainder to produce three (3) fractions:
    - Conditions to be confirmed based on Sighter LIMS results
- Filter Press and Cone and Quarter on each fraction:
    - 1x Xkg Analysis/Moisture Determination
    - Reserve Remainder
- Combine Selected fractions to form one (1) Composite
    - Composite to be confirmed in discussion with Greg Henderson of Wood PLC
- Filter Press and Cone and Quarter composite:
    - 1x Xkg Assay/Moisture Determination
    - 7x 1kg WHGMS145
    - Remainder to Bulk WHGMS500
- Sighter Rougher-Cleaner Wet High Intensity Magnetic Separation (WHGMS145) (1kg) to produce Three (3) fractions:
    - 7x Test allowance:
        - 4x Gauss Optimisation: 8,000, 11,000, 14,000 and 17,000
        - 3x Regrind Optimisation
    - Conditions to be confirmed by Greg Henderson of Wood PLC
- Filter Press and Cone and Quarter each WHGMS145 fraction:
    - 1x Xkg Analysis/Moisture Determination/Microscopy
    - Reserve Remainder
- Bulk Rougher-Cleaner Wet High Intensity Magnetic Separation (WHGMS500) to produce one (1) Magnetic and two (2) Non-Magnetic fraction:
    - 1x Bulk Allowance
    - Conditions to be confirmed by Greg Henderson of Wood PLC
- Filter Press and Cone and Quarter each fraction:
    - 1x Xkg Analysis/Moisture Determination/Microscopy
    - Reserve Remainder
- Combine Selected fractions to form one (1) Composite
    - Composite to be confirmed in discussion with Greg Henderson of Wood PLC
- Cone and Quarter Composite:
    - 1x Xkg Analysis/Moisture Determination
    - 30x Xkg Float Charges
    - Reserve Remainder

Flotation Testwork

- Sighter Multi-Stage Flotation Testwork (0.5-1kg) to produce up to five (5) fractions, per test:
    - 30x Test Allowance
    - Upfront Grind Allowance
    - Regrind allowance
    - Conditions to be confirmed by Greg Henderson of Wood PLC
- Dry and Riffle Split each fraction:
    - 1x Xkg Analysis
    - Reserve Remainder

All solid samples will be analysed via XRF/ICP for P_2O_5, SiO_2, Fe_2O_3, FeO, Al_2O_3, Y_2O_3, U_3O_8, ThO_2, TiO_2, MnO, SO_3, MgO, CaO, K_2O, Na_2O, V_2O_5, Cr_2O_3, CoO, NiO, CuO, ZnO, As_2O_3, PbO,

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BaO, Cl, SrO, ZrO_2, Sb_2O_3, SnO_2, LOI_{1000}, La_2O_3, CeO_2, Pr_6O_{11}, Nd_2O_3, Sm_2O_3, Eu_2O_3, Gd_2O_3, Tb_4O_7, Dy_2O_3, Ho_2O_3, Er_2O_3, Tm_2O_3, Yb_2O_3, Lu_2O_3, Sc_2O_3 and Ga.

A data report summarising the testwork will be provided. The total cost of the testwork program is AUD$ 129,602.00 (Excluding GST).

Description	Qty		Unit Price		Ext. Price
Sample Receipt and Preparation					
• Sample Receipt and Log (per m)	50	$	1.00	$	50.00
• Core Layout for viewing and sample selection (per m)	50	$	3.00	$	150.00
• Photography Allowance (per m)	50	$	2.00	$	100.00
• Moisture Determination	10	$	25.00	$	250.00
• Hydrostatic Weighing (Uncoated)	10	$	30.00	$	300.00
• Hydrostatic Weighing (Wax)	10	$	57.00	$	570.00
• Crusher Work Index	1	$	700.00	$	700.00
• Compositing	1	$	450.00	$	450.00
• Core Crack at 100mm (300kg)	1	$	650.00	$	650.00
• Stage Crush to 31.5mm (300kg)	1	$	1,450.00	$	1,450.00
• RSD Blend and Split	1	$	150.00	$	150.00
• SPI	1	$	2,140.00	$	2,140.00
• SAG Mill Comminution Test	1	$	1,995.00	$	1,995.00
• Stage Crush to P100 19mm	1	$	250.00	$	250.00
• RSD Blend and Split	1	$	50.00	$	50.00
• Dry Screen at 12.5mm	1	$	120.00	$	120.00
• RSD Blend and Split	1	$	50.00	$	50.00
• Bond Abrasion Index	1	$	550.00	$	550.00
• Stage Crush to P100 12.5mm	1	$	250.00	$	250.00
• Bond Rod Mill Work Index	1	$	1,400.00	$	1,400.00
• Stage Crush to P100 3.35mm (250kg)	1	$	1,500.00	$	1,500.00
• RSD Blend and Split	1	$	250.00	$	250.00
• Moisture Determination	1	$	25.00	$	25.00
• Semi Quantitative XRD	1	$	280.00	$	280.00
• Mineralogy*	1	$	11,420.00	$	11,420.00
• Size by Assay	1	$	380.00	$	380.00
• Bond Ball Mill Work Index	1	$	1,100.00	$	1,100.00
• Grind Establishment Series	1	$	1,080.00	$	1,080.00
• Packaging and Dispatch Preparation	1	$	150.00	$	150.00
Magnetic Separation Testwork					
• Grind to P80 Xmm	5	$	50.00	$	250.00
• Filter Press and Cone and Quarter	5	$	50.00	$	250.00
• Moisture Determination	5	$	25.00	$	125.00
• Davis Tube Wash	5	$	50.00	$	250.00
• Grind to P80 Xmm	200	$	50.00	$	10,000.00
• Filter Press and Cone and Quarter	1	$	450.00	$	450.00
• Moisture Determination	1	$	25.00	$	25.00
• Sighter LIMS Run	6	$	480.00	$	2,880.00
• Filter Press and Cone and Quarter	9	$	80.00	$	720.00

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• Moisture Determination	9	$	25.00	$	225.00
• Bulk LIMS Run	2	$	3,500.00	$	7,000.00
• Filter Press and Cone and Quarter	3	$	250.00	$	750.00
• Moisture Determination	3	$	25.00	$	75.00
• Compositing	1	$	250.00	$	250.00
• Filter Press and Cone and Quarter	1	$	150.00	$	150.00
• Moisture Determination	1	$	25.00	$	25.00
• Sighter WHGMS145 Run	14	$	480.00	$	6,720.00
• Filter Press and Cone and Quarter	21	$	50.00	$	1,050.00
• Moisture Determination	21	$	25.00	$	525.00
• Microscopy	21	$	20.00	$	420.00
• Bulk WHGMS500 Run	2	$	3,600.00	$	7,200.00
• Filter Press and Cone and Quarter	3	$	250.00	$	750.00
• Moisture Determination	3	$	25.00	$	75.00
• Microscopy	3	$	20.00	$	60.00
• Compositing	1	$	250.00	$	250.00
• Filter Press and Cone and Quarter	1	$	150.00	$	150.00
• Moisture Determination	1	$	25.00	$	25.00
Flotation Testwork					
• Sighter Flotation	30	$	780.00	$	23,400.00
Sundries					
• Reporting and Supervision	1	$	18,370.00	$	18,370.00
• Analysis (XRF)	222	$	32.00	$	7,104.00
• Analysis (ICP)	222	$	44.00	$	9,768.00
• Consumables Allowance	1	$	2,000.00	$	2,000.00
• Courier Allowance	1	$	500.00	$	500.00
			Subtotal	$	129,602.00
			GST	$	12,960.20
			Total	$	142,562.20

Rain Lewis
Metallurgical Supervisor

Lisa Allen
Metallurgical Coordinator

*ALS Mineralogy includes additional replicates at each size fraction to accommodate low TREO grade. Alternatively, mineralogy can be done without replicates at a lower rate but this is not advised by ALS.

By accepting this quote (providing written confirmation and/or a purchase order), the client expressly acknowledges the applicable terms and conditions outlined in Nagrom's *Terms and Conditions – For the Provision of Metallurgical and Analytical Services.*