

Rare Earth Industries Ltd.

**2011 GEOCHEMICAL REPORT ON THE XENO
PROPERTY**

Located in the Dall Lake – Mt. Skook-Davidson area
Liard Mining Division
NTS 94L/11 & 94L/12
58°42' N, 127°30' W
588000E, 6508000N (NAD83, Zone 9)
Work performed July 4 – 6, 2011

-prepared for-

RARE EARTH INDUSTRIES LTD.
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Vancouver, British Columbia, Canada V6C 2T8

-prepared by-

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January 2012

Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Geological/Geochemical

TOTAL COST: \$53,637

AUTHOR(S): Dave Swanton, M.Sc. SIGNATURE(S): _____

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N/A YEAR OF WORK: 2011

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5193340 / 5193335

PROPERTY NAME: Xeno

CLAIM NAME(S) (on which the work was done): Xeno 1, Xeno2, Xeno 3, Xeno NN, RAR4-3, RAR4, KECHIKA YTTRIUM, KECHIKA YTTRIUM 3

COMMODITIES SOUGHT: Rare Earth Elements

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 094L009, 094L017

MINING DIVISION: Liard NTS/BCGS: 094L11/12

LATITUDE: 58 ° 42 ' _____ " LONGITUDE: 127 ° 30 ' _____ " (at centre of work)

OWNER(S):
1) Paget Minerals Corp. 2) _____

MAILING ADDRESS:
1210-1130 West Pender St Vancouver, BC V6E 4A4

OPERATOR(S) [who paid for the work]:
1) Rare Earth Industries Ltd 2) _____

MAILING ADDRESS:
820-750 West Pender St., Vancouver, BC V6C 1E5

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Sandpile Group, Kechika Group, carbonatite, mafic syenite, diatreme breccia, rare earth elements, yttrium, fluorite

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 16420, 22746, 20895, 20229

| TYPE OF WORK IN THIS REPORT | EXTENT OF WORK (IN METRIC UNITS) | ON WHICH CLAIMS | PROJECT COSTS APPORTIONED (incl. support) |
|--|--|-------------------------------|---|
| GEOLOGICAL (scale, area) | | | |
| Ground, mapping | 1:20,000, 2 km2 | 565479, 565483,565609, 565482 | \$25,603 |
| Photo interpretation | | | |
| GEOPHYSICAL (line-kilometres) | | | |
| Ground | | | |
| Magnetic | | | |
| Electromagnetic | | | |
| Induced Polarization | | | |
| Radiometric | | | |
| Seismic | | | |
| Other | | | |
| Airborne | | | |
| GEOCHEMICAL (number of samples analysed for...) | | | |
| Soil | | | |
| Silt | | | |
| Rock | 54, analyses for rare earths, traces, whole-rock | 565479, 565483,565609, 565482 | \$2,431 |
| Other | | | |
| DRILLING (total metres; number of holes, size) | | | |
| Core | | | |
| Non-core | | | |
| RELATED TECHNICAL | | | |
| Sampling/assaying | | | |
| Petrographic | | | |
| Mineralographic | | | |
| Metallurgic | | | |
| PROSPECTING (scale, area) 1:20,000, 2 km2 | | 565479, 565483,565609, 565482 | \$25,603 |
| PREPARATORY / PHYSICAL | | | |
| Line/grid (kilometres) | | | |
| Topographic/Photogrammetric (scale, area) | | | |
| Legal surveys (scale, area) | | | |
| Road, local access (kilometres)/trail | | | |
| Trench (metres) | | | |
| Underground dev. (metres) | | | |
| Other | | | |
| | | TOTAL COST: | \$53,637 |

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1.0 SUMMARY

The Xeno property in northern BC has been optioned by Rare Earth Industries from Paget Resources, and represents a potential carbonatite-associated rare earth element (“REE”) – yttrium deposit. The property is approximately 160 km south of Watson Lake, YT and is accessible only via aircraft. Topography is extremely rugged and helicopter support is required to access much of the work area. Historical work has established the presence of an extensive carbonatite-syenite intrusive system with related rare earth element plus yttrium mineralization.

Work during the 2011 field season was aimed at verifying the accuracy of historic results and potentially identifying new targets for future exploration. Rock sampling during a three-day visit to the property confirmed the presence of REE+Y mineralization in the areas reported by previous work. Rare earth grades were generally low (0.3% - 1% Total Rare Earth Element Oxides plus Yttrium (TREO+Y)), though in some cases the samples hosted anomalously high concentrations of the more valuable heavier members of the rare earth suite. Given the substantial long term value potential of REE deposits, further early stage work on the property is warranted, with an aim to expanding and better defining the existing anomalies.

2.0 INTRODUCTION

Equity Exploration Consultants (“Equity”) was contracted by Rare Earth Industries Ltd (“REI”) to conduct a brief sampling and geological evaluation program in 2011 on the Xeno property in northern British Columbia, with the goal of confirming historical sampling and evaluation of future economic potential. The work was directly supervised by the author, who was onsite for the duration of the program and has first-hand knowledge of the property. Following completion of the field work, Equity was requested by REI to compile and interpret the results of the 2011 program. Along with new data generated by the current work, the information used in preparing this report consists of peer-reviewed scientific papers and assessment reports filed with British Columbia Ministry of Energy and Mines.

3.0 RELIANCE ON OTHER EXPERTS

The author has not relied on a report, opinion or statement of an expert for information concerning legal, environmental, political or other issues.

4.0 PROPERTY DESCRIPTION AND LOCATION

The Xeno claims are located in northern British Columbia in the Kechika River – Terminus Mountain area of the Liard Mining Division (Figure 1), approximately 10 km north of Denetiah Provincial Park and 20 km southwest of Scoop Lake Ranch. The property consists of 8 mineral claims in two non-contiguous blocks with a total area of approximately 857 hectares (Figure 2, Table 1). Property boundaries have not been legally surveyed. The two blocks straddle the boundary between NTS map sheets 94L/11 and 94L/12, centred at 58°42’ North, 127°30’ West, equivalent to UTM co-ordinates 588000E, 6508000N (NAD83, Zone 9). The claims are currently registered to Paget Minerals Corp., with REI having the option to acquire a 60% interest for past and future payments of cash and stock.

Surface rights are owned by the province of British Columbia. No significant surface disturbance or any major environmental liabilities were noted during the author’s field visit. Depending on the nature of the program, exploration permits may be required from the BC Ministry of Energy and Mines prior to carrying out further exploration on the property.


Table 1: Tenure details for Xeno claims

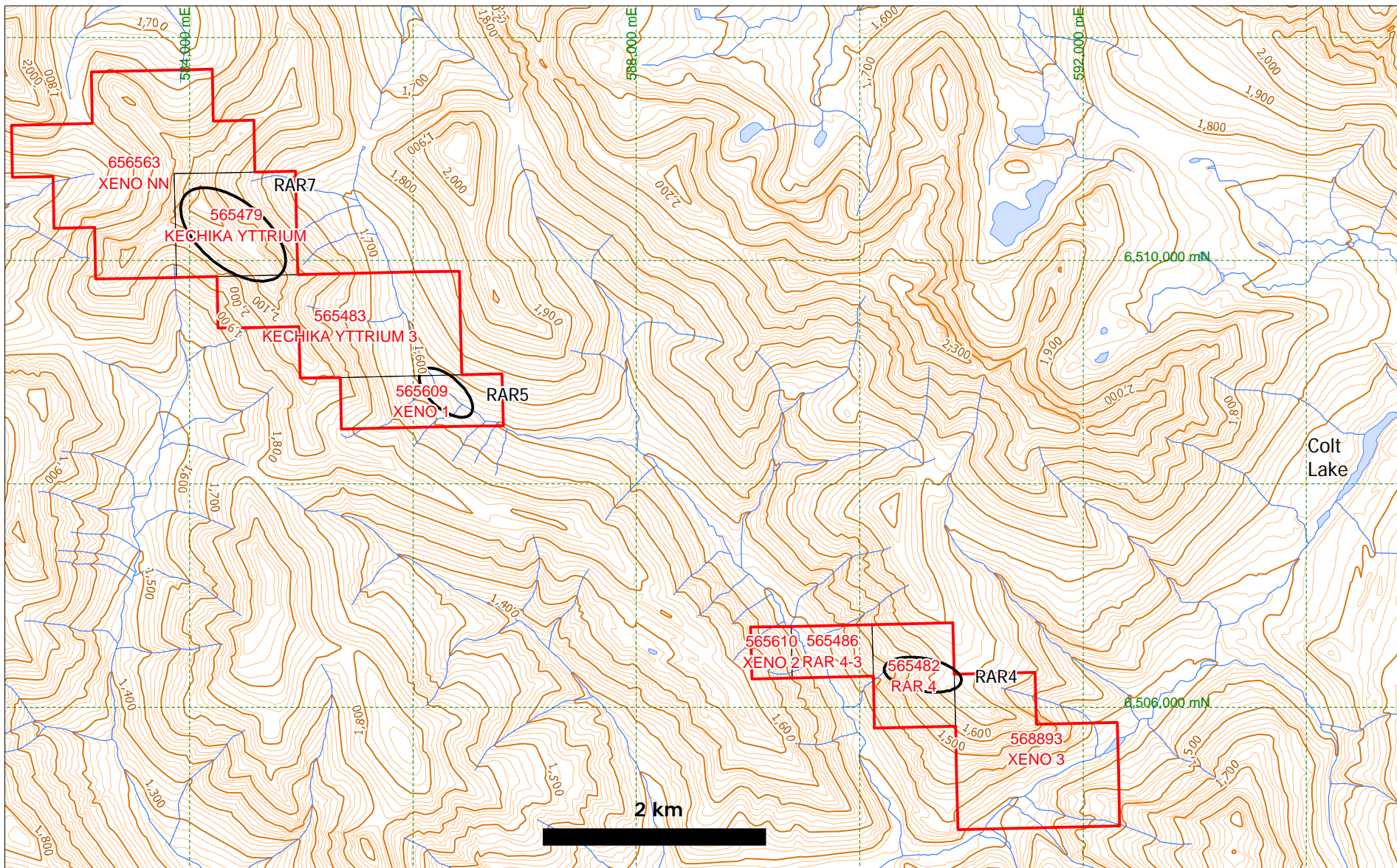
| Tenure Number | Claim Name | Issue Date | Good To Date |
|----------------------|-------------------|-------------------|---------------------|
| 565479 | KECHIKA YTTRIUM | 2007/sep/02 | 2012/may/18 |
| 565482 | RAR 4 | 2007/sep/02 | 2012/may/18 |
| 565483 | KECHIKA YTTRIUM 3 | 2007/sep/02 | 2012/may/18 |
| 565486 | RAR 4-3 | 2007/sep/02 | 2012/may/18 |
| 565609 | XENO 1 | 2007/sep/05 | 2012/may/18 |
| 565610 | XENO 2 | 2007/sep/05 | 2012/may/18 |
| 568893 | XENO 3 | 2007/oct/30 | 2012/may/18 |
| 656563 | XENO NN | 2009/oct/21 | 2012/may/18 |



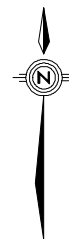
RARE EARTH INDUSTRIES LTD.

**XENO PROJECT
LOCATION
MAP**

| | | | | | |
|---|-------------|---------------|-----------------|-------------|--------|
|  | Date: | DEC 2011 | Scale: | 1:6,000,000 | Figure |
| | U.T.M. Zone | UTM 9 - NAD83 | Mining District | LIARD | 1 |
| | N.T.S. | 094L11/12 | State/Province | BC | |



 Xeno Showings



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**XENO PROJECT
TENURE
MAP**



| | | | | |
|-------------|---------------|-----------------|----------|--------|
| Date: | DEC 2011 | Scale: | 1:50,000 | Figure |
| U.T.M. Zone | UTM 9 - NAD83 | Mining District | LIARD | 2 |
| N.T.S. | 094L11/12 | State/Province | BC | |

5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE, PHYSIOGRAPHY

The property is located within the Kechika Ranges subdivision of the Cassiar Mountains physiographic province. Drainage patterns are dominated by northwesterly trending main valleys with northeasterly-trending tributaries. Within the claim block topographic relief is extreme, with elevation ranges from 2220m to 1200m. Ridge tops are well above tree-line, with steeply sloping to moderately forested creek valleys at the lowest elevations of the property. There is abundant evidence of glaciations, including cirques, horns and razorback ridges. Glacially cut valleys have been subsequently modified by downcutting. The area has a sub-arctic highland climate characterized by long cold winters and short, cool summers.

Access to the property is only possible via aircraft. A dirt airstrip at the Scoop Lake ranch, 20 km to the northeast, allows small fixed wing airplanes to be landed. It is possible to land a lightly loaded small floatplane on Colt Lake, several kilometres east of the claim block. From there, the property can only be reached by helicopter. There are hunting cabins on Colt Lake and a well developed ranch at Scoop Lake, which can be used as a base of operations. It would also be possible to establish a temporary fly camp at several potential locations on the property itself. The nearest population centres are Watson Lake, YT and Dease Lake BC, with Watson Lake providing the best range of goods and services. Both towns are approximately 160 km from the property.

6.0 HISTORY

6.1 Previous Work

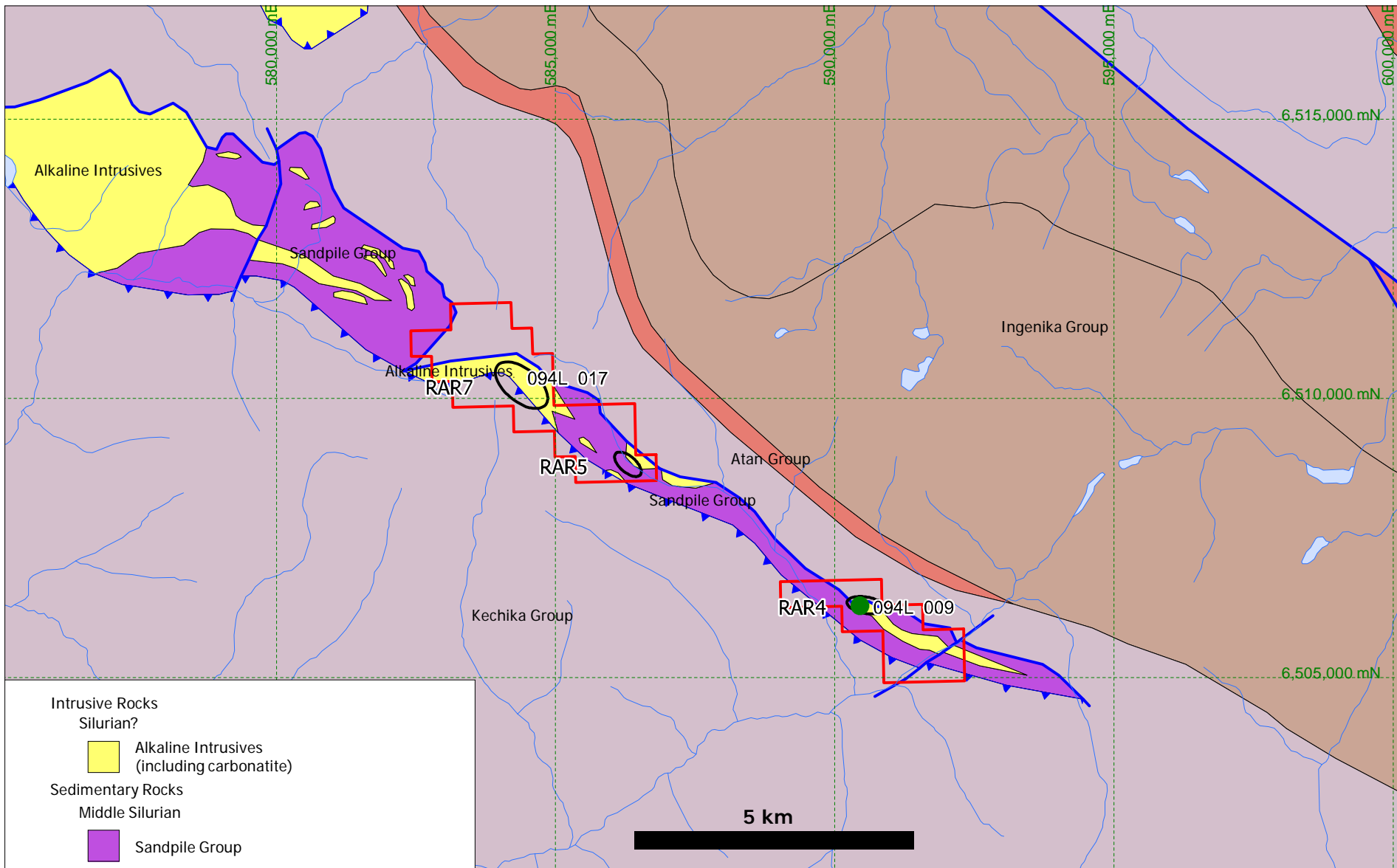
The first recorded exploration work on what is now the Xeno property was conducted by Golden Rule Resources during the 1986 field season. 125 rock and 122 stream sediment samples were collected and analyzed for REEs. Results indicated significant anomalies associated with what was (at the time) mapped to be carbonatites, mafic alkaline rocks and syenites, diatreme breccias and fluorite-bearing vein systems (Fox 1987).

Follow-up work in 1989 was focussed on yttrium mineralization. Four short trenches were dug and a gamma-ray scintillometer survey was conducted before the program was cut short by weather difficulties. Work was resumed in the 1990 field season, and it was concluded that the property had the potential to host economic concentrations of REEs and yttrium (Pell 1990).

A grid-controlled radiometric survey was conducted in 1992 over the RAR 1 and RAR 4 claims, on the southeastern portion of the property. This work failed to identify any new zones of economic interest and no further work was recommended on the specific claims under examination (Leighton 1992). Following this program, no further work was conducted by Golden Rule Resources and the claims were allowed to lapse.

In 2000, the ground was re-staked by Andrew Harman as the Xeno block, and subsequently optioned to Pacific Ridge Resources. An exploration program aimed at re-evaluating the property was then conducted by Pacific Ridge during the 2001 field season. 152 rock samples were collected from several REE-enriched zones along a strike length of 11 km. Thurston and Roberts (2002) outline several REE-rich zones with differing styles of mineralization. Their RAR7 zone yielded grab samples of 3700 ppm TREO+Y (total rare earth oxide plus yttrium) from a 1 km x 300 m exposure of syenite-carbonatite. They also sampled a system of stockwork fluorite-carbonate veins within a carbonatite-diatreme breccia complex slightly to the south of RAR7, termed RAR5; average chip sample grade was 3700 ppm TREO+Y (Figure 3). A bulk sample was taken from an outcrop of what was believed to be kimberlite from the same zone. One diamond fragment was recovered from this sample, leading Thurston and Roberts (2002) to speculate the property may have diamond potential in addition to its proven REE mineralization. They recommended further exploration on all zones of the property to assess both the rare earth and diamond potential of the claims.

The Xeno property was subsequently acquired by Paget Minerals, who optioned it to Seymour Ventures (the parent company of REI) in September 2010.



Intrusive Rocks

Silurian?

- Alkaline Intrusives (including carbonatite)

Sedimentary Rocks

Middle Silurian

- Sandpile Group

- Kechika Group

Lower Cambrian

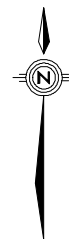
- Atan Group

Proterozoic

- Ingenika Group

(Geology and ages from Pell et al. 1990 and Massey et al. 2005)

- BC Minfile - Prospect
- BC Minfile - Showing
- Fault
- Thrust fault
- Xeno Showings



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**XENO PROJECT
REGIONAL GEOLOGY
MAP**



| | | | | |
|-------------|---------------|-----------------|-----------|--------|
| Date: | DEC 2011 | Scale: | 1:100,000 | Figure |
| U.T.M. Zone | UTM 9 - NAD83 | Mining District | LIARD | 3 |
| N.T.S. | 094L11/12 | State/Province | BC | |

6.2 2011 Exploration Program

Work on the Xeno claims during the present program was conducted between July 3 and July 6, 2011. The field crew consisted of two Equity personnel (including the author) and Fred Breaks, P.Geol. Mr. Breaks is an independent consultant employed by REI and does not have a direct connection with Equity. Work was based out of hunting cabins on Colt Lake (Figure 3) owned by Darwin and Wendy Cary of Scoop Lake Outfitters. The Carys also own the ranch and airstrip at Scoop Lake, 20 km to the northeast. Personnel and supplies were mobilized to Colt Lake from Watson Lake, YT via a DeHavilland Beaver on floats owned by Northern Rockies Air Charter of Watson Lake. Owing to the small size of Colt Lake, it would not have been feasible to demobilize directly to Watson Lake; at the end of the job, equipment was shuttled to the Scoop Lake airstrip via helicopter and transported from there to Watson Lake via Cessna 206, also owned by Northern Rockies Air Charter. Access to the work area was via a Bell JetRanger helicopter, contracted from Lakehead Helicopters.

54 rock samples were taken from the RAR7, 5, and 4 showings (Figure 3) and sent to ALS Chemex for geochemical analysis. Samples were packed in rice sacks sealed with numbered security tags for transport to the ALS preparation lab in Whitehorse, YT. An analysis package consisting of base metal assay by ICP (ALS code MS-AQ81), REE+trace+whole rock geochemistry (ME-MS81d) and gold via fire assay (Au-AA23) was run on all samples. Samples were located with a hand-help GPS unit, and all co-ordinates are referenced to UTM Zone 9 (NAD83). A magnetic declination of 21° East was used for all compass measurements.

7.0 REGIONAL GEOLOGY AND MINERALIZATION

The Xeno claims are situated within a 35-40 km wide tectonically complex belt of metamorphosed Precambrian and unmetamorphosed to weakly metamorphosed Lower to Middle Paleozoic platformal facies sedimentary rocks (Figure 3). This crustal block is bounded to the north and east by the Rocky Mountain Trench and Burnt Rose fault systems, and to the south and west by the Kechika fault. These faults are major structures in the northern Cordillera along which dextral, transcurrent movements of hundreds of kilometres are believed to have taken place (Thurston and Roberts 2002, Gabrielse 1985). Metamorphic grade in the Precambrian rocks is generally lower greenschist facies, with folds ranging from broad to tight produced by northeastwards directed compression. This compression has also juxtaposed lithologies of differing age and metamorphic grade in the form of a series of thrust panels.

8.0 PROPERTY GEOLOGY AND MINERALIZATION

Within the larger regional context of dextrally displaced thrust panels, the geology of the Xeno property is dominated by an overturned antiform of Silurian chert, tuff and limestone of the Sandpile Group. To the northeast, these Sandpile group rocks are in contact with Cambrian-Ordovician chlorite-sericite-quartz phyllite, marble and dolostone of the Kechika Group along a gently southwest-dipping fault. To the southwest, the Sandpile Group is again in contact with the Kechika Group, this time at a moderate to steeply southwest-dipping thrust fault (Pell 1994). The Sandpile Group therefore forms a fault-bounded thrust panel entirely enclosed within the Kechika Group (Figure 3). These fault boundaries likely mark the edge of any economic REE potential, as mineralization on the Xeno property appears to be entirely related to alkaline intrusions into the Sandpile Group. These alkaline intrusions include dark green mafic syenite, diatreme breccia, and carbonatite. Field relationships between these units are extremely complicated, with zones on different areas of the property displaying differing degrees of foliation and/or brecciation. Mineralization is often, though not exclusively, associated with stockwork fracturing infilled with fluorite-carbonate. One zone of breccia has also been reported to be diamondiferous and proposed to be a kimberlite (Thurston and Roberts 2002), though that assessment is not supported by the current work.

9.0 GEOCHEMISTRY

In most geochemical settings, the members of the rare earth element suite show excellent correlation with each other, due to similar ionic radii and by extension, chemical properties. On the Xeno property, this relationship generally holds, though is noticeably weaker between the heavy and light members of the suite than is usual (Table 2). The effect is especially pronounced between the lightest (La, Ce, Pr and Nd) and heaviest (Er – Lu, Y) members of the suite. Despite this poor correlation, the following discussion of findings on the property will treat the total rare earth oxide + yttrium (TREO+Y) as a single variable, as is standard convention when dealing with rare earths. However, this poor correlation means that the amount of heavy (more valuable) rare earths as a percentage of the total will be considerably more variable than in some other geologic settings.

Table 2: Correlation Matrix for REE+Y

| | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Er | Ho | Tm | Yb | Lu |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Ce | 0.99 | | | | | | | | | | | | | |
| Pr | 0.97 | 0.99 | | | | | | | | | | | | |
| Nd | 0.92 | 0.96 | 0.99 | | | | | | | | | | | |
| Sm | 0.75 | 0.8 | 0.86 | 0.93 | | | | | | | | | | |
| Eu | 0.71 | 0.76 | 0.82 | 0.9 | 0.99 | | | | | | | | | |
| Gd | 0.6 | 0.65 | 0.72 | 0.81 | 0.96 | 0.98 | | | | | | | | |
| Tb | 0.52 | 0.57 | 0.64 | 0.72 | 0.87 | 0.91 | 0.96 | | | | | | | |
| Dy | 0.39 | 0.43 | 0.49 | 0.56 | 0.71 | 0.77 | 0.85 | 0.96 | | | | | | |
| Er | 0.18 | 0.22 | 0.27 | 0.32 | 0.45 | 0.52 | 0.64 | 0.82 | 0.94 | | | | | |
| Ho | 0.28 | 0.32 | 0.37 | 0.43 | 0.57 | 0.63 | 0.74 | 0.9 | 0.98 | 0.99 | | | | |
| Tm | 0.19 | 0.23 | 0.27 | 0.32 | 0.45 | 0.51 | 0.63 | 0.81 | 0.93 | 1 | 0.98 | | | |
| Yb | 0.23 | 0.26 | 0.31 | 0.35 | 0.45 | 0.51 | 0.62 | 0.79 | 0.91 | 0.98 | 0.96 | 0.99 | | |
| Lu | 0.27 | 0.31 | 0.35 | 0.38 | 0.48 | 0.53 | 0.62 | 0.79 | 0.9 | 0.96 | 0.94 | 0.98 | 0.99 | |
| Y | 0.24 | 0.27 | 0.33 | 0.38 | 0.52 | 0.58 | 0.7 | 0.86 | 0.97 | 0.99 | 1 | 0.99 | 0.97 | 0.95 |

The RAR7 showing is underlain by a large carbonatite body with apparently associated mafic syenite, as reported by Thurston and Roberts (2002). Samples from this showing (Figure 4a) returned results in the same general range as the Pacific Ridge samples. The best samples both contained approximately 0.38% TREO+Y. The samples came from two separate sites approximately 250 m apart; one from near the peak of the ridge which forms the most prominent topographic feature in the area, the other from near a saddle southeast along the ridgeline (Figure 4b). Both samples are from the main carbonatite body, with apparent silica alteration/veining and minor fluorite. Of more interest than the raw number of this TREO+Y is the percentage of heavy rare earths (HREO, defined to be Gd – Lu, including Y) to TREO+Y. 15 of 31 samples from this showing contain greater than 10% HREO, and 7 contain greater than 20%. One notable sample (L651835) of fluorite-bearing carbonatite with apparent silica alteration has a TREO+Y content of 0.24% with 34% of that content in the heavies (Figure 4c). While not especially high in absolute terms, this value shows that there are a significant proportion of heavies (which are of greater economic value than the light rare earths) present in the system.

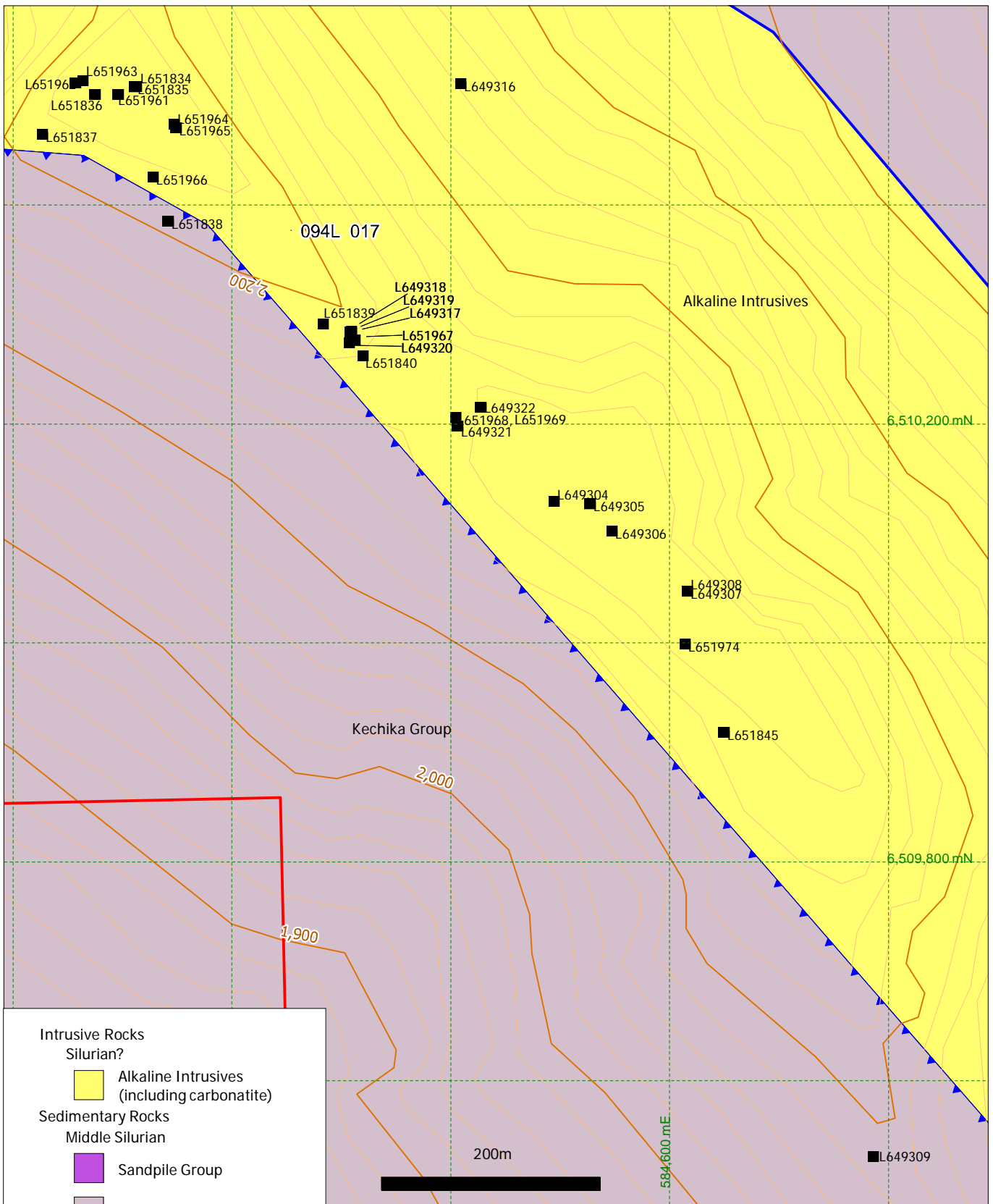
The best samples taken during the program came from the RAR5 showing, exposed in the creek bed to the southeast of RAR7 (Figure 5a). Six samples contained over 0.25% TREO+Y, with one sample assaying at 0.94%, the highest of any sample taken this year (Figure 5b). Rocks with good assay values generally show prominent carbonatite-fluorite veining, with the best sample containing especially notable quantities of fluorite. These relatively high assay values agree with Pacific Ridge, who found similar individual samples from the same zone. Note that in this zone, the only sample with significant HREO is

L651973 which has very low (<0.01%) TREO+Y (Figure 5c). This suggests that the mineralizing system on the Xeno claims may be zoned in a way which is as yet not defined.

The final day of work was spent on the RAR4 showing, several kilometres to the south of RAR7 and 5 (Figure 6a). Despite hosting impressive carbonate-fluorite zones (one slope contained boulder-sized blocks of almost pure fluorite) assay values were unremarkable, with a maximum TREO+Y value of 0.14% (Figure 6b). This zone hosts several samples with quite high HREO percentages, though these samples are not among those with even moderately elevated TREO+Y values (Figure 6c).

None of the samples contain notable amounts of any other elements of economic interest (e.g. Nb, Ta, Cu, Ni, Pb or Zn).

Figure 7 shows weight % TREO+Y plotted against the percentage of heavy rare earths, with points coded by rock type (field description) and by showing (geographic area). Though there is considerable bias in the sampling done during the current program which may influence data trends, Figure 7 does show several notable patterns in the data. All samples taken directly from the fluorite-calcite veins (interpreted to be late-stage) are quite low in percentage of heavies, even when quite high in overall rare earth content. In fact, most of the samples with a high percentage of heavies are carbonatites from the RAR7 zone. Apart from a single sample, most samples which have a higher percentage of heavies are quite low in TREO+Y. It is unclear what differentiates this sample from all others; several samples were taken from the area immediately surrounding, and do not contain the same high percentage of heavies. Note that based on the data collected this year, it appears as if neither the mafic syenite nor the syenite-monzonite host significant REE values. Future exploration should likely focus on the carbonatite phase of the intrusion and its related fluorite-calcite veins.



Intrusive Rocks
 Silurian?
 Alkaline Intrusives (including carbonatite)

Sedimentary Rocks
 Middle Silurian
 Sandpile Group
 Kechika Group
 Lower Cambrian
 Atan Group
 Proterozoic
 Ingenika Group

(Geology and ages from Pell et al. 1990 and Massey et al. 2005)

BC Minfile - Prospect
 BC Minfile - Showing
 Fault
 Thrust fault

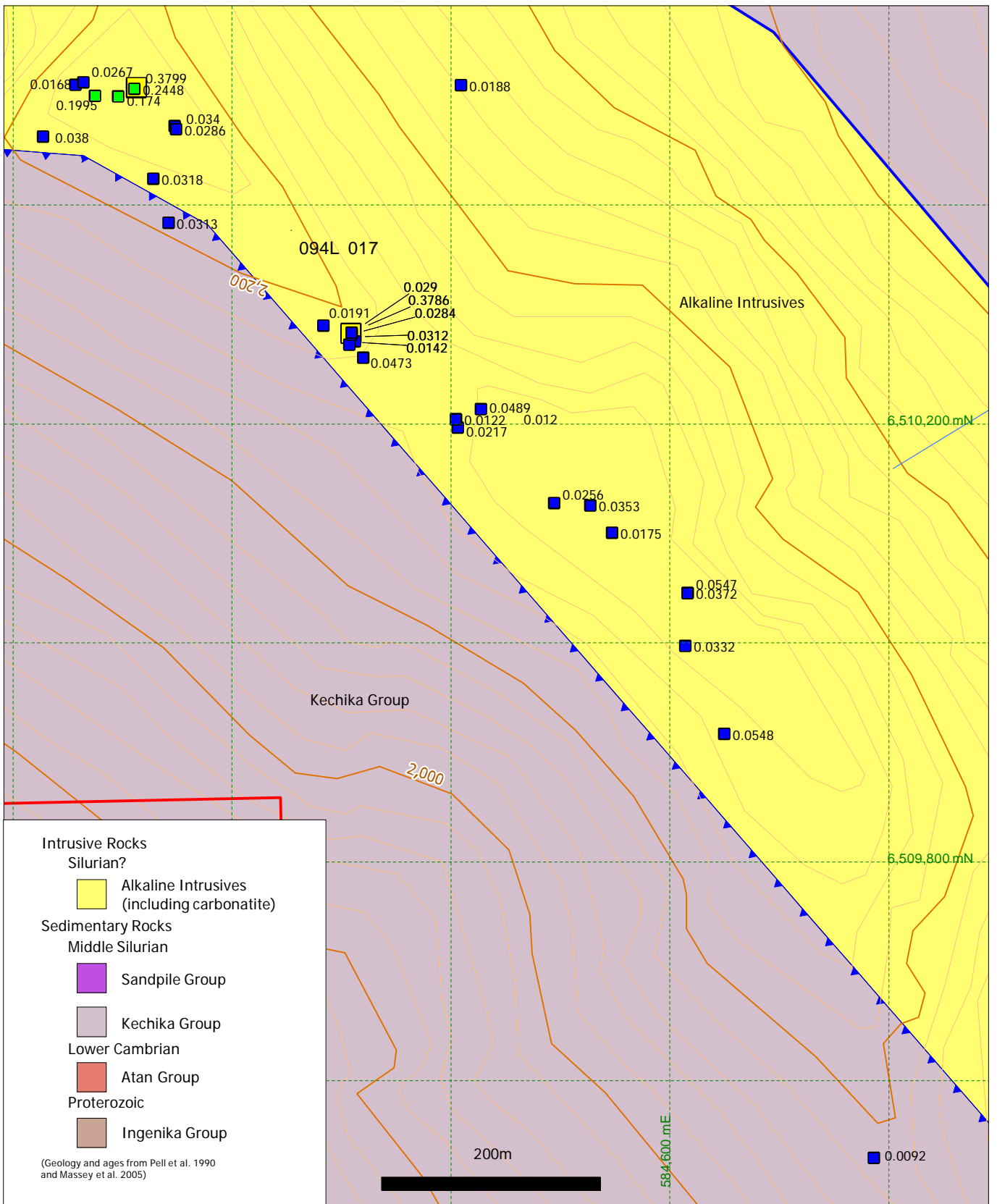
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XENO PROJECT

ROCK SAMPLE LOCATIONS

RAR7

| | | | |
|--|----------------------------|------------------------|--------|
| | Date: DEC 2011 | Scale: 1:4,000 | Figure |
| | U.T.M. Zone: UTM 9 - NAD83 | Mining District: LIARD | 4a |
| | N.T.S.: 094L11/12 | State/Province: BC | |



- Intrusive Rocks**
- Silurian?
 - Alkaline Intrusives (including carbonatite)
- Sedimentary Rocks**
- Middle Silurian
 - Sandpile Group
 - Kechika Group
 - Lower Cambrian
 - Atan Group
 - Proterozoic
 - Ingenika Group

(Geology and ages from Pell et al. 1990 and Massey et al. 2005)

2011 Grab Sample Geochemistry
wt.% TREO+Y

- > 0.5
- 0.25 to 0.5
- 0.1 to 0.25
- < 0.1

- BC Minfile - Prospect
- BC Minfile - Showing
- Fault
- Thrust fault



RARE EARTH INDUSTRIES LTD.

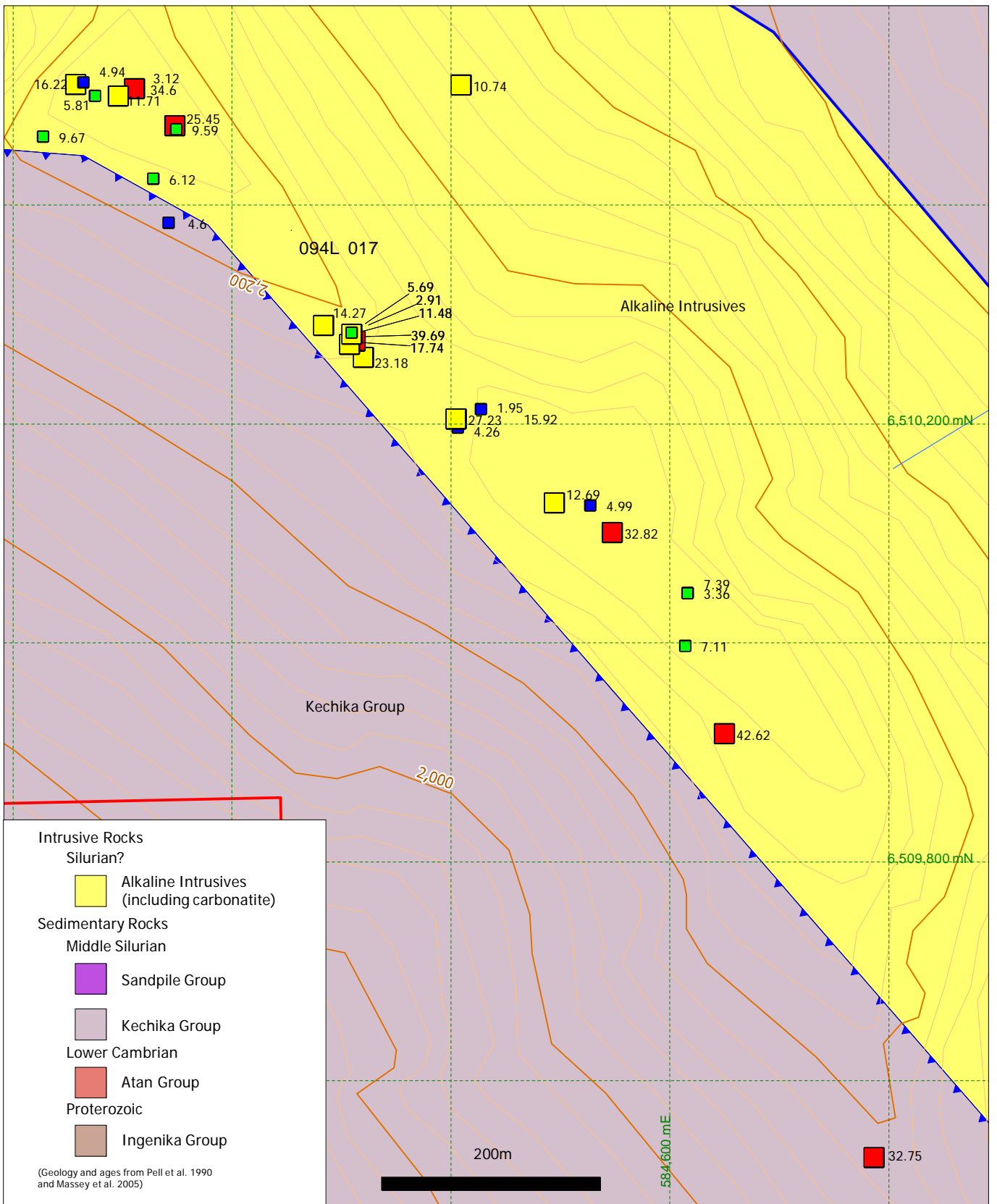
XENO PROJECT

ROCK GEOCHEMISTRY

RAR7 - TREO+Y wt. %

| | | | | |
|-------------|---------------|-----------------|---------|--------|
| Date: | DEC 2011 | Scale: | 1:4,000 | Figure |
| U.T.M. Zone | UTM 9 - NAD83 | Mining District | LIARD | 4b |
| N.T.S. | 094L11/12 | State/Province | BC | |

EQUITY



2011 Grab Sample Geochemistry
 % HREO

- 25 to 100
- 10 to 25
- 5 to 10
- 0 to 5

- BC Minfile - Prospect
- BC Minfile - Showing
- Fault
- ▲— Thrust fault



RARE EARTH INDUSTRIES LTD.

XENO PROJECT

ROCK GEOCHEMISTRY

RAR7 - TREO+Y wt. %

| | | | | | |
|--|-------------|---------------|-----------------|---------|---------------------|
| | Date: | DEC 2011 | Scale: | 1:4,000 | Figure 4c |
| | U.T.M. Zone | UTM 9 - NAD83 | Mining District | LIARD | |
| | N.T.S. | 094L11/12 | State/Province | BC | |
| | | | | | |



- Intrusive Rocks**
 Silurian?
 Alkaline Intrusives (including carbonatite)
- Sedimentary Rocks**
 Middle Silurian
 Sandpile Group
 Kechika Group
 Lower Cambrian
 Atan Group
 Proterozoic
 Ingenika Group

(Geology and ages from Pell et al. 1990 and Massey et al. 2005)

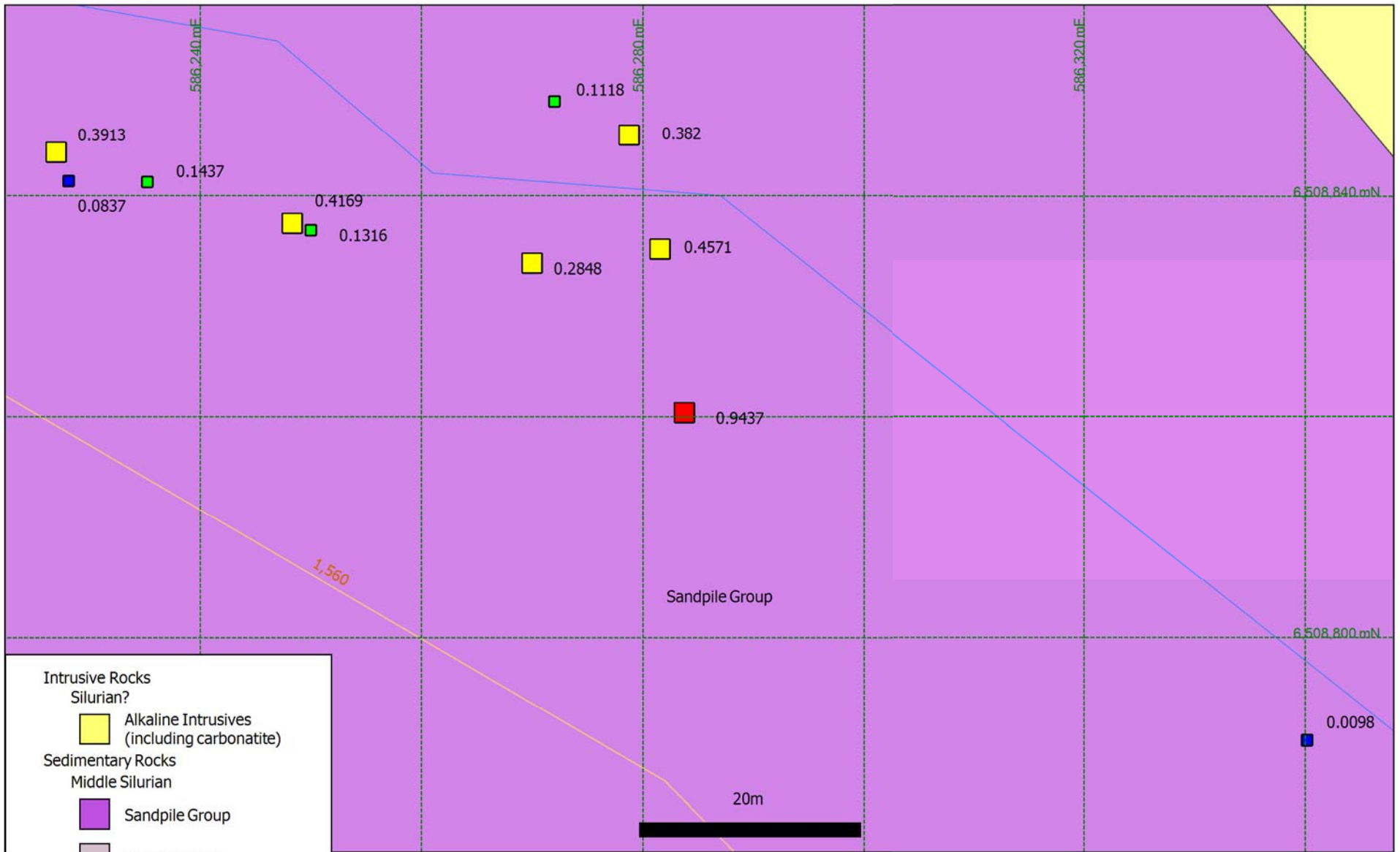
- × BC Minfile - Prospect
 ● BC Minfile - Showing
 Fault
 Thrust fault



RARE EARTH INDUSTRIES LTD.

XENO PROJECT
ROCK SAMPLE LOCATIONS
RAR5

| | | | | | |
|--------|-------------|---------------|-----------------|-------|--------|
| EQUITY | Date: | DEC 2011 | Scale: | 1:500 | Figure |
| | U.T.M. Zone | UTM 9 - NAD83 | Mining District | LIARD | 5a |
| | N.T.S. | 094L11/12 | State/Province | BC | |



Intrusive Rocks

Silurian?

- Alkaline Intrusives (including carbonatite)

Sedimentary Rocks

Middle Silurian

- Sandpile Group

- Kechika Group

Lower Cambrian

- Atan Group

Proterozoic

- Ingenika Group

(Geology and ages from Pell et al. 1990 and Massey et al. 2005)

**2011 Grab Sample Geochemistry
wt.% TREO+Y**

- > 0.5
- 0.25 to 0.5
- 0.1 to 0.25
- < 0.1

× BC Minfile - Prospect

● BC Minfile - Showing

— Fault

— Thrust fault

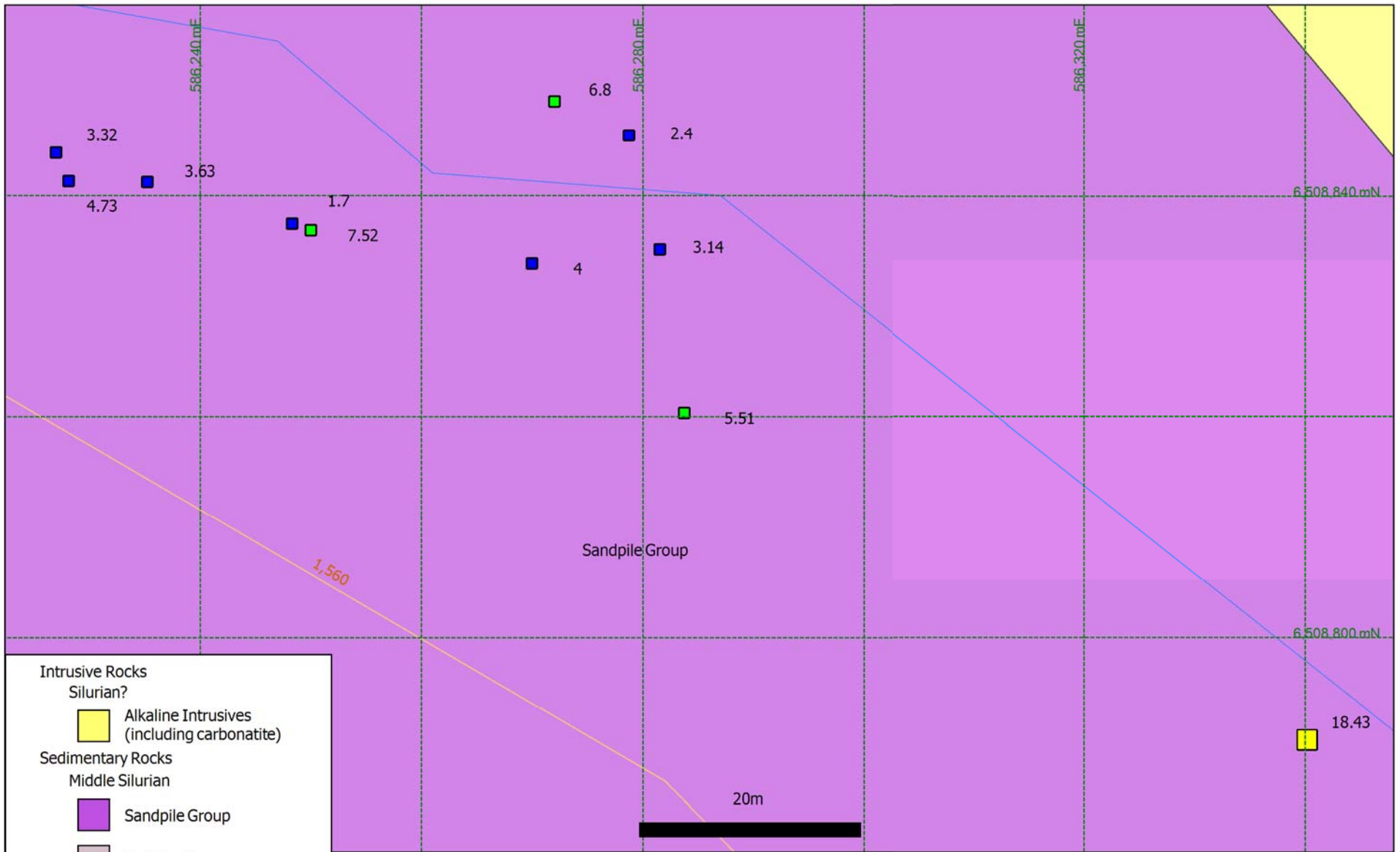


RARE EARTH INDUSTRIES LTD.

**XENO PROJECT
ROCK GEOCHEMISTRY
RAR5 - TREO+Y wt. %**



| | | | | |
|-------------|---------------|-----------------|-------|--------|
| Date: | DEC 2011 | Scale: | 1:500 | Figure |
| U.T.M. Zone | UTM 9 - NAD83 | Mining District | LIARD | 5b |
| N.T.S. | 094L11/12 | State/Province | BC | |



Intrusive Rocks

Silurian?

- Alkaline Intrusives (including carbonatite)

Sedimentary Rocks

Middle Silurian

- Sandpile Group

Kechika Group

Lower Cambrian

Atan Group

Proterozoic

- Ingenika Group

(Geology and ages from Pell et al. 1990 and Massey et al. 2005)

**2011 Grab Sample Geochemistry
% HREO**

- 25 to 100
- 10 to 25
- 5 to 10
- 0 to 5

× BC Minfile - Prospect

● BC Minfile - Showing

— Fault

— Thrust fault

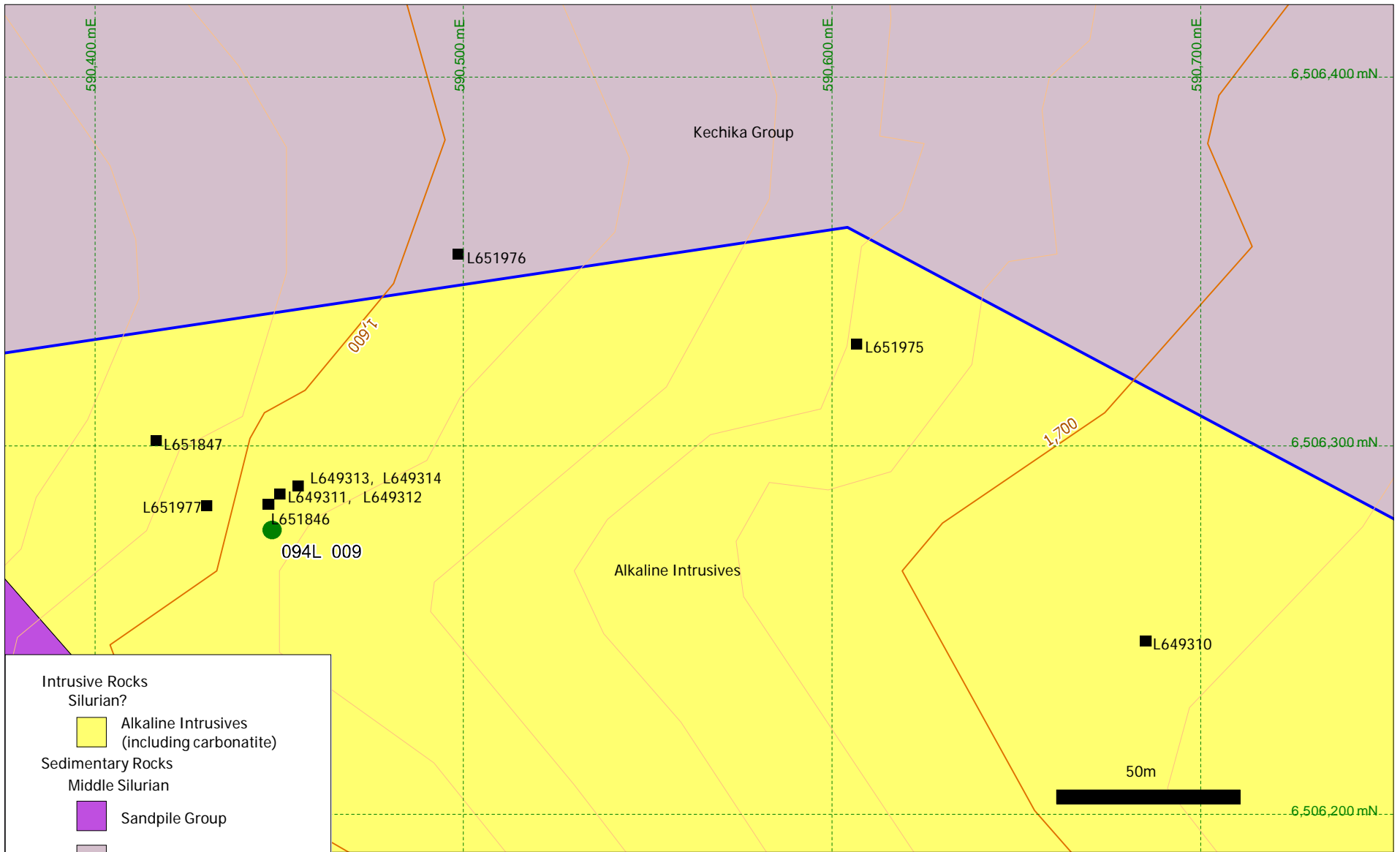


RARE EARTH INDUSTRIES LTD.

**XENO PROJECT
ROCK GEOCHEMISTRY
RAR5 - % HREO**



| | | | | |
|-------------|---------------|-----------------|-------|--------|
| Date: | DEC 2011 | Scale: | 1:500 | Figure |
| U.T.M. Zone | UTM 9 - NAD83 | Mining District | LIARD | 5c |
| N.T.S. | 094L11/12 | State/Province | BC | |



Intrusive Rocks

Silurian?

- Alkaline Intrusives (including carbonatite)

Sedimentary Rocks

Middle Silurian

- Sandpile Group

Kechika Group

Lower Cambrian

- Atan Group

Proterozoic

- Ingenika Group

(Geology and ages from Pell et al. 1990 and Massey et al. 2005)

BC Minfile - Prospect

BC Minfile - Showing

Fault

Thrust fault

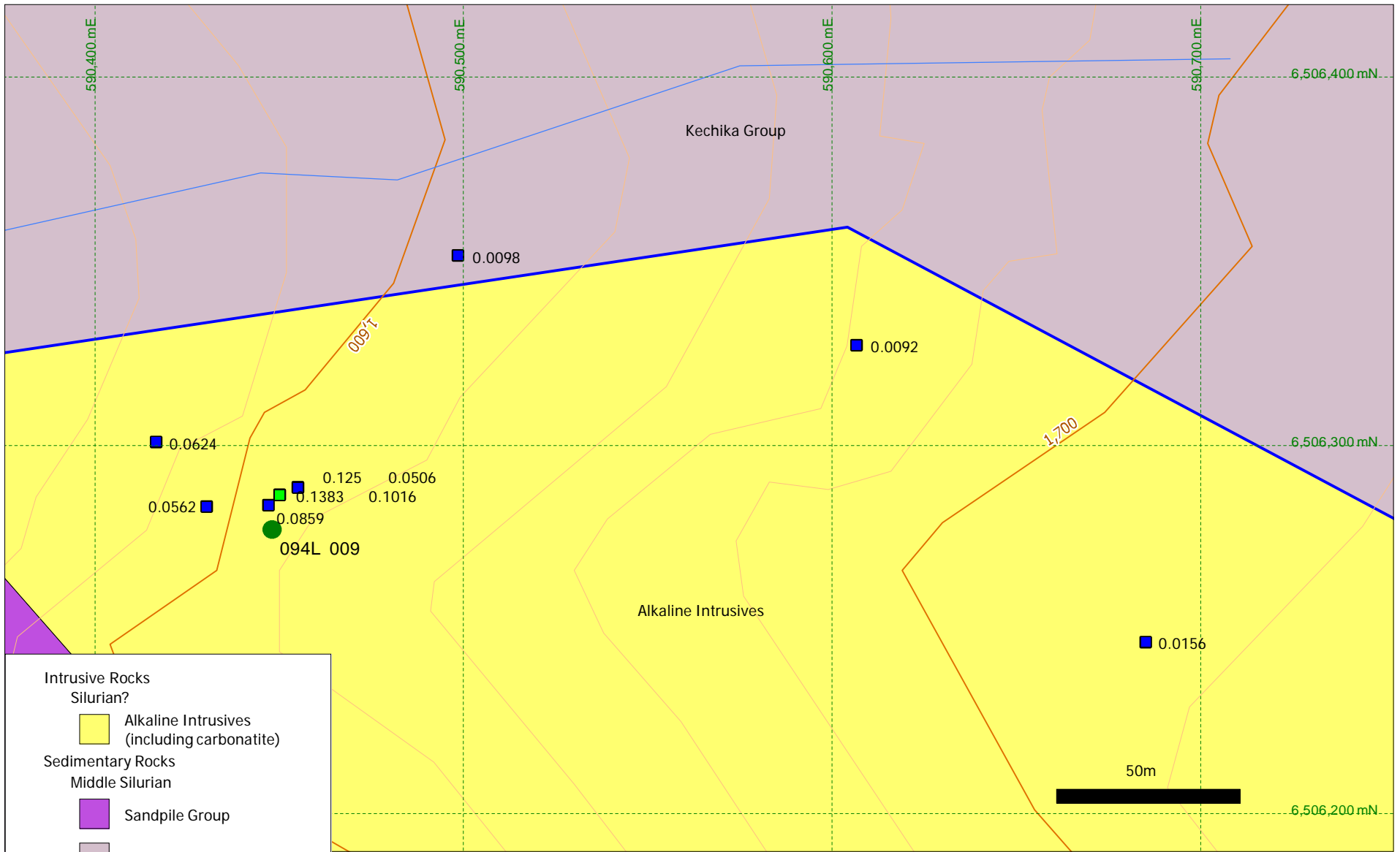


RARE EARTH INDUSTRIES LTD.

**XENO PROJECT
ROCK SAMPLE LOCATIONS
RAR4**



| | | |
|----------------------------------|------------------------------|---------------|
| <i>Date:</i> DEC 2011 | <i>Scale:</i> 1:1,500 | <i>Figure</i> |
| <i>U.T.M. Zone</i> UTM 9 - NAD83 | <i>Mining District</i> LIARD | |
| <i>N.T.S.</i> 094L11/12 | <i>State/Province</i> BC | 6a |



Intrusive Rocks
 Silurian?
 Alkaline Intrusives (including carbonatite)

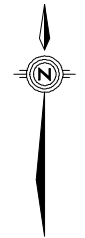
Sedimentary Rocks
 Middle Silurian
 Sandpile Group
 Kechika Group
 Lower Cambrian
 Atan Group
 Proterozoic
 Ingenika Group

(Geology and ages from Pell et al. 1990 and Massey et al. 2005)

2011 Grab Sample Geochemistry
 wt.% TREO+Y

- > 0.5
- 0.25 to 0.5
- 0.1 to 0.25
- < 0.1

- BC Minfile - Prospect
- BC Minfile - Showing
- Fault
- Thrust fault



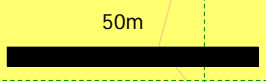
RARE EARTH INDUSTRIES LTD.

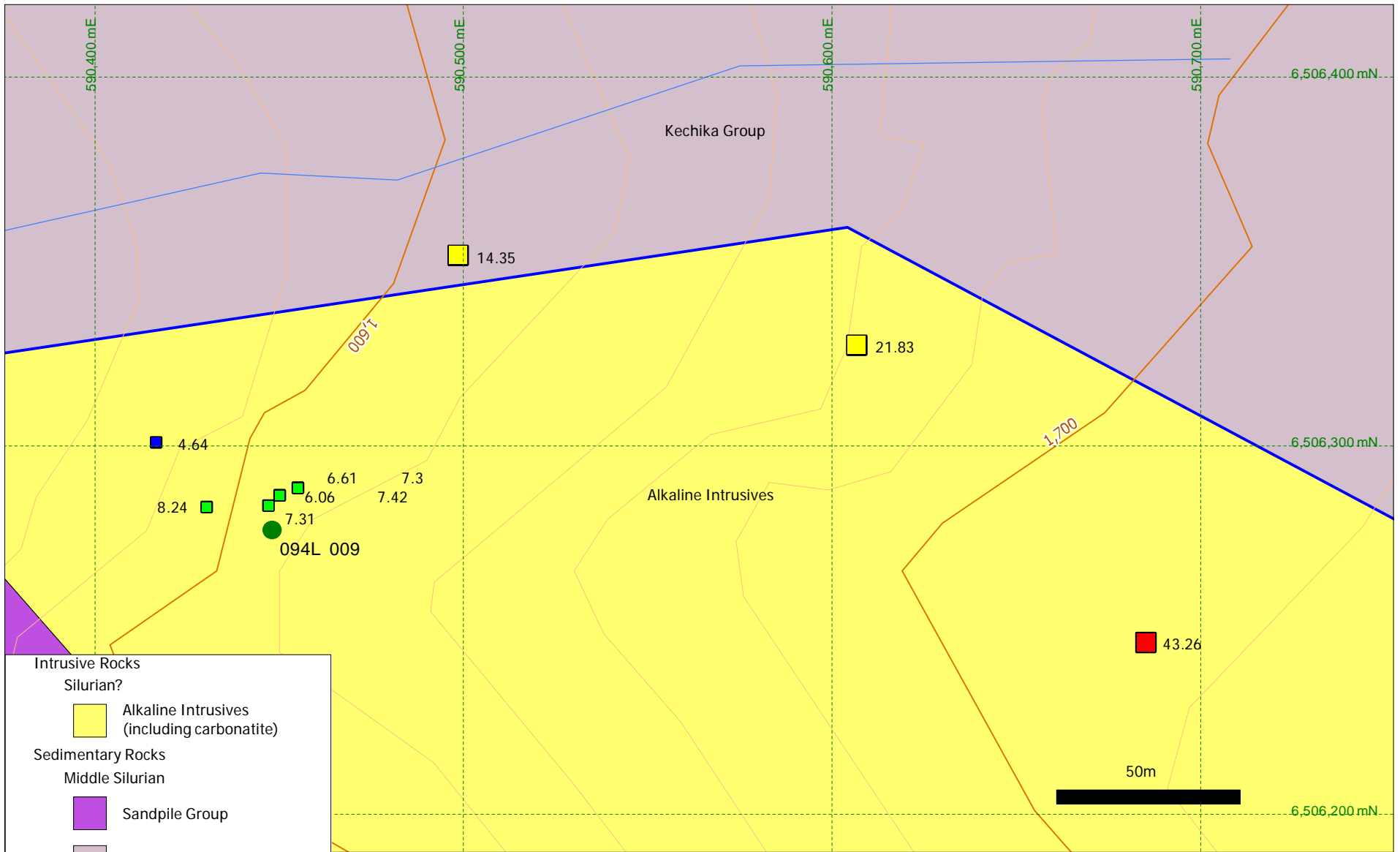
XENO PROJECT

ROCK GEOCHEMISTRY

RAR4 - TREO+Y wt. %

| | | | |
|--|----------------------------------|------------------------------|---------------|
| | <i>Date:</i> DEC 2011 | <i>Scale:</i> 1:1,500 | <i>Figure</i> |
| | <i>U.T.M. Zone</i> UTM 9 - NAD83 | <i>Mining District</i> LIARD | 6b |
| | <i>N.T.S.</i> 094L11/12 | <i>State/Province</i> BC | |





Intrusive Rocks
 Silurian?
 Alkaline Intrusives (including carbonatite)

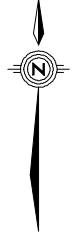
Sedimentary Rocks
 Middle Silurian
 Sandpile Group
 Kechika Group
 Lower Cambrian
 Atan Group
 Proterozoic
 Ingenika Group

(Geology and ages from Pell et al. 1990 and Massey et al. 2005)

2011 Grab Sample Geochemistry % HREO

- 25 to 100
- 10 to 25
- 5 to 10
- 0 to 5

- BC Minfile - Prospect
- BC Minfile - Showing
- Fault
- Thrust fault



RARE EARTH INDUSTRIES LTD.

XENO PROJECT
ROCK GEOCHEMISTRY
RAR4 - % HREO

| | | | | | |
|--------|-------------|---------------|-----------------|---------|--------|
| EQUITY | Date: | DEC 2011 | Scale: | 1:1,500 | Figure |
| | U.T.M. Zone | UTM 9 - NAD83 | Mining District | LIARD | 6C |
| | N.T.S. | 094L11/12 | State/Province | BC | |

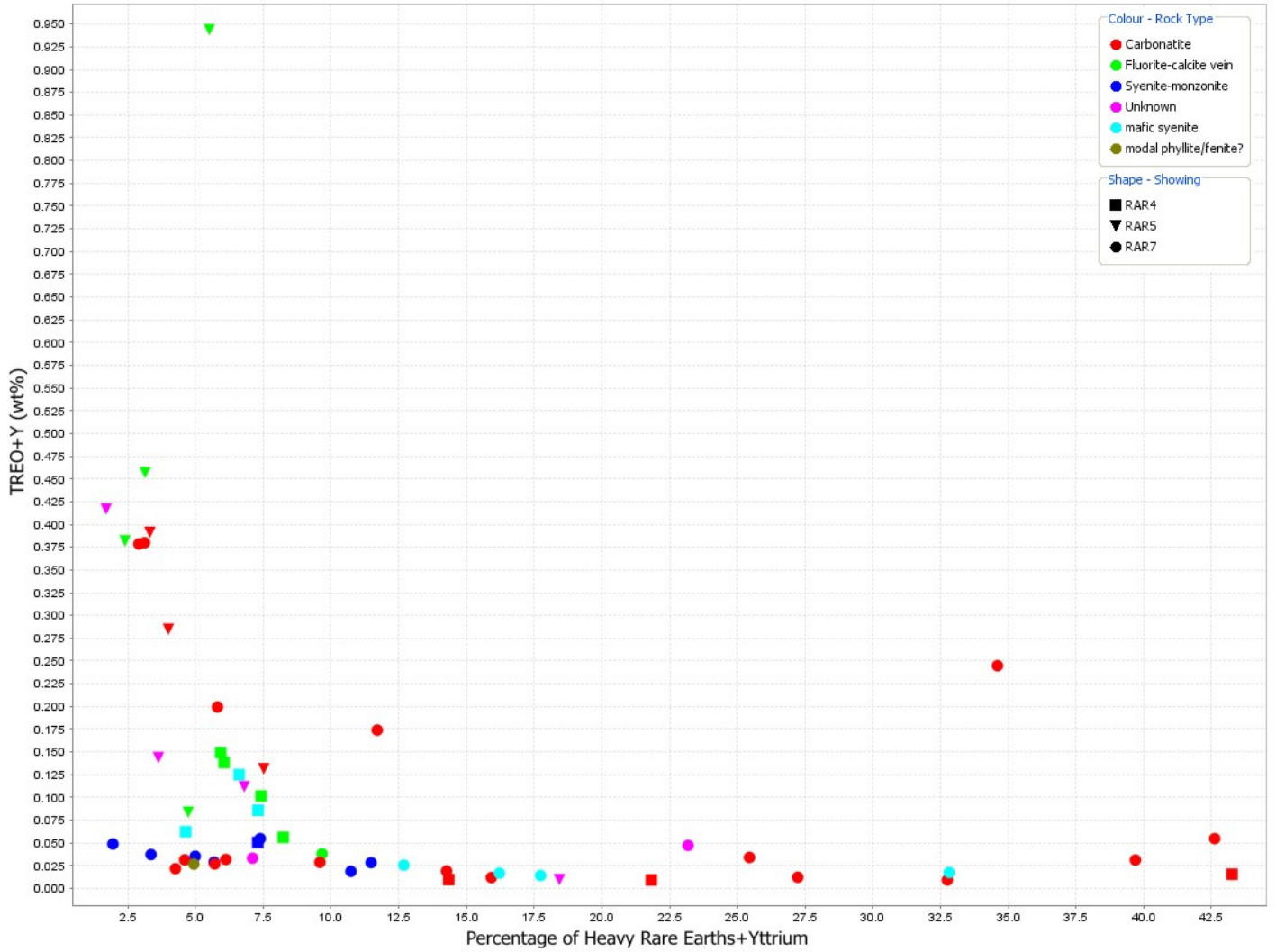


Figure 7: Percentage of heavy rare earths plotted against TREO+Y

10.0 DISCUSSION AND CONCLUSIONS

The 2011 exploration program confirmed and validated the results of previous programs, most notably the 2001 program conducted by Pacific Ridge Explorations Ltd. The Xeno property is shown to host an alkaline intrusive complex dominated by carbonatite which hosts REE+Y mineralization, both within the intrusive complex itself and in associated fluorite-calcite veins. Unfortunately, the relatively low grades found by those previous programs were also confirmed. The best sample taken this year did not exceed 1% TREO+Y, similar to the grades found during historical sampling. A significant proportion of the samples contain highly elevated percentages of heavy rare earths, though most of these high percentage HREO samples are too low in overall rare earth content to be of economic interest. However, given the large size of the alkaline igneous system in the Xeno area and the brief nature of the work this year, it is entirely possible that zones of significant mineralization remain undiscovered. If zones of the system which host a combination of the highest TREO+Y and %HREO found separately on the property, it could be of significant economic interest.

Most promising from a future exploration perspective is the RAR5 zone, which hosted the most consistent elevated TREO+Y values and remains open on all sides due to soil cover obscuring much of the outcrop away from the creek bed. If future work is to be conducted on the Xeno property, then this zone is the logical primary focus. A detailed mapping, prospecting and soil sampling program focussed not on the creek bed itself (which has been satisfactorily sampled and mapped) but on the surrounding area is recommended as the most appropriate next exploration stage. While this focussed work is being conducted, it would also be worthwhile to do a regional silt sampling program. Stream sediment samples from drainages along the length of the fault panel of Sandpile Group rocks may indicate any zones of mineralization which have remained historically un-noticed owing to the large size of the property.

Respectfully submitted,

David Swanton, M.Sc.

EQUITY EXPLORATION CONSULTANTS LTD.

Vancouver, British Columbia

January 5, 2012

Appendix A: Bibliography

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- Pell, J. 1994. Carbonatites, nephelene syenites, kimberlites and related rocks in British Columbia; British Columbia Ministry of Energy, mines and petroleum resources, mineral resources division, geological survey branch. Bulletin 88, pp 27 – 36.

Appendix B: Statement of Expenditures

STATEMENT OF EXPENDITURES
XENO PROPERTY (RAR5+7/Northern Block)
June 27 - July 3, 2011

PROFESSIONAL FEES AND WAGES:

| | | | |
|---------------------------------|----|---------------|-------------|
| Joe McCreery, Prospector | | | |
| 4.67 days @ \$525/day | \$ | 2,450.00 | |
| Scott Parker, GIS / Logistics | | | |
| 0.67 hours @ \$75/hour | | 50.00 | |
| Dave Swanton, Project Geologist | | | |
| 9.17 days @ \$700/day | | 6,421.33 | |
| Clerical | | | |
| 14.67 hours @ \$35/hour | | 513.33 | |
| | | <u>513.33</u> | \$ 9,434.67 |

EQUIPMENT RENTALS

| | | | |
|----------------------------|----|--------------|----------|
| Chain Saw | | | |
| 4.67 days @ \$30/day | \$ | 140.00 | |
| Channel Saw | | | |
| 4.67 days @ \$50/day | | 233.33 | |
| Field Computers | | | |
| 9.33 days @ \$40/day | | 373.33 | |
| Generator (1kVA) | | | |
| 4.67 days @ \$20/day | | 93.33 | |
| Satellite Phones (Iridium) | | | |
| 1.33 weeks @ \$75.00/week | | 100.00 | |
| 47 minutes @ \$1.89/min | | 89.46 | |
| | | <u>89.46</u> | 1,029.46 |

EXPENSES:

| | | | |
|------------------------------|----|-----------------|------------------|
| Chemical Analyses | \$ | 1,944.65 | |
| Materials and Supplies | | 37.15 | |
| Plot Charges | | 25.16 | |
| Camp Food | | 233.06 | |
| Meals | | 281.75 | |
| Accommodation | | 1,259.17 | |
| Taxis and Airporters | | 59.52 | |
| Truck Rental (Non-Equity) | | 547.17 | |
| Automotive Fuel | | 251.19 | |
| Aircraft Charters | | 4,526.67 | |
| Helicopter Charters | | 8,249.80 | |
| Airfare | | 1,442.75 | |
| Freight | | 383.84 | |
| Drum Deposits | | (216.67) | |
| Geophysical Equipment Rental | | 1,490.37 | |
| Radio Rental (Non-Equity) | | 81.00 | |
| Project Supervision Charge | | 3,688.39 | |
| Report (estimated) | | 1,333.33 | |
| | | <u>1,333.33</u> | <u>25,618.30</u> |

TOTAL:

\$ 36,082.42

STATEMENT OF EXPENDITURES
XENO PROPERTY (RAR4/Southern Block)
June 27 - July 3, 2011

PROFESSIONAL FEES AND WAGES:

| | | | |
|---------------------------------|----|----------|-------------|
| Joe McCreery, Prospector | | | |
| 2.33 days @ \$525/day | \$ | 1,225.00 | |
| Scott Parker, GIS / Logistics | | | |
| 0.33 hours @ \$75/hour | | 25.00 | |
| Dave Swanton, Project Geologist | | | |
| 4.59 days @ \$700/day | | 3,210.67 | |
| Clerical | | | |
| 7.33 hours @ \$35/hour | | 256.67 | |
| | | 256.67 | \$ 4,717.33 |

EQUIPMENT RENTALS

| | | | |
|----------------------------|----|--------|--------|
| Chain Saw | | | |
| 2.33 days @ \$30/day | \$ | 70.00 | |
| Channel Saw | | | |
| 2.33 days @ \$50/day | | 116.67 | |
| Field Computers | | | |
| 4.67 days @ \$40/day | | 186.67 | |
| Generator (1kVA) | | | |
| 2.33 days @ \$20/day | | 46.67 | |
| Satellite Phones (Iridium) | | | |
| 0.67 weeks @ \$75.00/week | | 50.00 | |
| 24 minutes @ \$1.89/min | | 44.73 | |
| | | 44.73 | 514.73 |

EXPENSES:

| | | | |
|------------------------------|----|----------|-----------|
| Chemical Analyses | \$ | 486.16 | |
| Materials and Supplies | | 18.57 | |
| Plot Charges | | 12.58 | |
| Camp Food | | 116.53 | |
| Meals | | 140.87 | |
| Accommodation | | 629.58 | |
| Taxis and Airporters | | 29.76 | |
| Truck Rental (Non-Equity) | | 273.58 | |
| Automotive Fuel | | 125.59 | |
| Aircraft Charters | | 2,263.33 | |
| Helicopter Charters | | 4,124.90 | |
| Airfare | | 721.38 | |
| Freight | | 191.92 | |
| Drum Deposits | | (108.33) | |
| Geophysical Equipment Rental | | 745.19 | |
| Radio Rental (Non-Equity) | | 40.50 | |
| Project Supervision | | | |
| Charge | | 1,844.20 | |
| Report (estimated) | | 666.67 | |
| | | 666.67 | 12,322.98 |

TOTAL: **\$ 17,555.05**



Appendix C: Rock Sample Descriptions

MINERALS AND ALTERATION TYPES

| | | | | | |
|----|---------------|----|---------------------|----|----------------|
| AC | Actinolite | FP | feldspar | PF | plagioclase |
| AL | alunite | GA | garnet | PH | phlogopite |
| AM | amphibole | GE | goethite | PL | pyrolusite |
| AS | arsenopyrite | GL | galena | PO | pyrrhotite |
| AU | augite | GR | graphite | PY | pyrite |
| AZ | azurite | HB | hornblende | QZ | quartz veining |
| BA | barite | HE | haematite | RE | realgar |
| BI | biotite | HS | specularite | RN | rhodonite |
| BO | bornite | HZ | hydrozincite | SB | stibnite |
| BT | pyrobitumen | IL | illite | SD | siderite |
| CA | calcite | JA | jarosite | SI | silicification |
| CB | Fe-carbonate | KF | potassium feldspar | SK | skarn |
| CC | chalcocite | MC | malachite | SM | smithsonite |
| CD | chalcedony | MG | magnetite | SP | sphalerite |
| CL | chlorite | MI | mica | SR | scorodite |
| CP | chalcopyrite | MN | Mn-oxides | SS | sulphosalts |
| CU | native copper | MO | molybdenite | ST | smectite |
| CV | covellite | MR | mariposite/fuchsite | TP | topaz |
| CY | clay | MS | sericite | TT | tetrahedrite |
| DC | dickite | MT | marcasite | VG | gold |
| DS | diaspore | MU | muscovite | ZE | Zeolite |
| DU | dumortierite | NA | natroalunite | ZN | zunyite |
| EN | enargite | NE | neotocite | | |
| EP | epidote | PA | pyrargyrite | | |

ALTERATION INTENSITY

| | | | |
|---|----------|---|---------|
| w | weak | s | strong |
| m | moderate | i | intense |

Rock Sample Descriptions Xeno

Operator: Endurance Gold Corporation

Project: REI11-02 2011

NTS: 94L/12

| | | | | | |
|-----------------|---|---------------|--------------------|--------------|-------------------------|
| L649301 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6508844 N | UTM 586227 E | Strike Length Exp: | Metallics: | 0.3913 0.0323 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : Carbonatite | | | | |
| Sampled By: JMC | Highly deformed with strong foliation and no discernible lineation. Rust stained weathered surface (WS). Cut by extension veins filled with quartz-carbonatite fibres and local purple fluorite. Pacific Ridge site 288903 | | | | |
| 04-Jul-11 | | | | | |
| L649302 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6508837 N | UTM 586250 E | Strike Length Exp: | Metallics: | 0.1316 0.0446 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : Carbonatitic breccia | | | | |
| Sampled By: JMC | Rust stained, 30% mostly angular fragments in 1 by 2 mm to 7 by 15 cm range. Most clasts are carbonatite but odd siliceous vfg felsic clast present. Two ages of crosscutting fluorite-quartz-carbonatite veins. Sparse grains of emerald green mineral (?fluor | | | | |
| 04-Jul-11 | | | | | |
| L649303 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6508834 N | UTM 586270 E | Strike Length Exp: | Metallics: | 0.2848 0.0055 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : Calciocarbonatite? | | | | |
| Sampled By: JMC | Late carbonatite unit, 1.2m wide dyke that crosscuts carbonatite breccia. Mostly exposed in creek bed. 2m from Pacific Ridge site 288867. | | | | |
| 04-Jul-11 | | | | | |
| L649304 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510129 N | UTM 584494 E | Strike Length Exp: | Metallics: | 0.0256 0.0072 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : Mafic rock (called mafic syenite by Pacific Ridge) | | | | |
| Sampled By: JMC | Dark green, strongly lineated, fg-mg | | | | |
| 04-Jul-11 | | | | | |
| L649305 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510127 N | UTM 584527 E | Strike Length Exp: | Metallics: | 0.0353 0.008 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : White feldspar-rich rock (syenite-monzonite?) | | | | |
| Sampled By: JMC | White to light grey on fresh surface (FS), strongly lineated, mg, 10-15% light orange carbonate as disseminated grains | | | | |
| 04-Jul-11 | | | | | |
| L649306 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510102 N | UTM 584547 E | Strike Length Exp: | Metallics: | 0.0175 0.0232 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : Mafic rock | | | | |
| Sampled By: JMC | Dark green, mafic rock of uncertain origin, fg-mg, strongly lineated and foliated. Pervasive carbonate-rich veinlets in 2mm to 2 cm width range | | | | |
| 04-Jul-11 | | | | | |

Rock Sample Descriptions Xeno

Operator: Endurance Gold Corporation

Project: REI11-02 2011

NTS: 94L/12

| | | | | | |
|-----------------|---|---------------|--------------------|--------------|-------------------------|
| L649307 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510047 N | UTM 584616 E | Strike Length Exp: | Metallics: | 0.0372 0.0086 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : White feldspar rock (syenite-monzonite?) | | | | |
| Sampled By: JMC | White to light grey on FS, strongly lineated, mg, 10-15% light orange carbonate as disseminated grains | | | | |
| 04-Jul-11 | | | | | |
| L649308 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510047 N | UTM 584616 E | Strike Length Exp: | Metallics: | 0.0547 0.0089 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : White feldspar rock (syenite-monzonite?) | | | | |
| Sampled By: JMC | Carbonate-rich replacement of white feldspar rock and about 10 cm from L649307. Foliated, mg, deep orange on weathered surface | | | | |
| 04-Jul-11 | | | | | |
| L649309 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6509531 N | UTM 584786 E | Strike Length Exp: | Metallics: | 0.0092 0.0007 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : Carbonatite dyke in dolostone, 2m width | | | | |
| Sampled By: JMC | Deep orange on WS, grey on FS, massive, 2m dyke in dolostone. Rock contains about 5-10% wispy quartz veinlets. Deep blue fibrous mineral occurs in host rocks at contact. | | | | |
| 04-Jul-11 | | | | | |
| L649310 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6506247 N | UTM 590685 E | Strike Length Exp: | Metallics: | 0.0156 0.0027 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : Quartz-carbonatite vein | | | | |
| Sampled By: JMC | 30 cm wide vein with rust weathered carbonate and milky quartz segregations/ Hosted in intensely deformed phyllite (metamudstone) that exhibits strong cleavage and crenulation mineral lineation | | | | |
| 04-Jul-11 | | | | | |
| L649311 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6506287 N | UTM 590450 E | Strike Length Exp: | Metallics: | 0.1383 0.0007 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : Fluorite-calcite vein | | | | |
| Sampled By: JMC | Vein 4 cm thick in talus slope below RAR4 | | | | |
| 04-Jul-11 | | | | | |
| L649312 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6506287 N | UTM 590450 E | Strike Length Exp: | Metallics: | 0.1016 0.0021 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : Fluorite-calcite vein with abundant sulphide content | | | | |
| Sampled By: JMC | Second talus boulder adjacent to L6549311. Hosted in mafic syenite | | | | |
| 04-Jul-11 | | | | | |

Rock Sample Descriptions Xeno

Operator: Endurance Gold Corporation

Project: REI11-02 2011

NTS: 94L/12

| | | | | | |
|-----------------|---|---------------|--------------------|--------------|--------------------------------|
| L649313 | Grid North: | Grid East: | Type: Grab | Alteration: | <u>TREO+Y % Nb2O3 %</u> |
| Xeno | UTM 6506289 N | UTM 590455 E | Strike Length Exp: | Metallics: | 0.125 0.0338 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : "Mafic syenite" as per Pacific Ridge map | | | | |
| Sampled By: JMC | Host rock of fluorite-calcite veins. Rock is grey on FS, porphyritic, mg-cg with phenocrysts of white feldspar and black amphibole. Primary textures appear preserved in comparison to "mafic syenite" at RAR7. | | | | |
| 04-Jul-11 | | | | | |
| L649314 | Grid North: | Grid East: | Type: Grab | Alteration: | <u>TREO+Y % Nb2O3 %</u> |
| Xeno | UTM 6506289 N | UTM 590455 E | Strike Length Exp: | Metallics: | 0.0506 0.0459 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : "Leucocratic syenite" as per Pacific Ridge map | | | | |
| Sampled By: JMC | Massive, mg, equigranular, cream on WS, cut by deformed fluorite-calcite veins | | | | |
| 04-Jul-11 | | | | | |
| L649315 | Grid North: | Grid East: | Type: Grab | Alteration: | <u>TREO+Y % Nb2O3 %</u> |
| Xeno | UTM 650289 N | UTM 590455 E | Strike Length Exp: | Metallics: | 0.1493 0.0012 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : Fluorite-calcite vein | | | | |
| Sampled By: JMC | Deformed vein from nice exposure of en-echelon series of veins at highest level. Hosted in leucosyenite. | | | | |
| 04-Jul-11 | | | | | |
| L649316 | Grid North: | Grid East: | Type: Grab | Alteration: | <u>TREO+Y % Nb2O3 %</u> |
| Xeno | UTM 6510511 N | UTM 584409 E | Strike Length Exp: | Metallics: | 0.0188 0.0087 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : White feldspar-rich rock (syenite-monzonite?) | | | | |
| Sampled By: JMC | Fg, siliceous, grey (WS) | | | | |
| 04-Jul-11 | | | | | |
| L649317 | Grid North: | Grid East: | Type: Grab | Alteration: | <u>TREO+Y % Nb2O3 %</u> |
| Xeno | UTM 6510283 N | UTM 584309 E | Strike Length Exp: | Metallics: | 0.0284 0.0029 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : White feldspar-rich rock (syenite-monzonite?) | | | | |
| Sampled By: JMC | Pacific Ridge site 288963 in shallow trench. Well foliated and lineated, mg, 15-20% disseminated orange carbonate mineral, Sparse grey quartz grains up to 7 mm diameter | | | | |
| 04-Jul-11 | | | | | |
| L649318 | Grid North: | Grid East: | Type: Grab | Alteration: | <u>TREO+Y % Nb2O3 %</u> |
| Xeno | UTM 6510285 N | UTM 584309 E | Strike Length Exp: | Metallics: | 0.029 0.0057 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | Host : White feldspar-rich rock (syenite-monzonite?) | | | | |
| Sampled By: JMC | Pacific Ridge site 288962. Well foliated, mg, with orange carbonate mineral and pale green sericite. | | | | |
| 04-Jul-11 | | | | | |

Rock Sample Descriptions Xeno

Operator: Endurance Gold Corporation

Project: REI11-02 2011

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|--|-------------------|---------------------|--|-----------------------|-------------------------|
| L649319 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510284 N | UTM 584308 E | Strike Length Exp: | Metallics: | 0.3786 0.0053 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | | | Host : Carbonatite | | |
| Sampled By: JMC 04-Jul-11 Massive, rust stained, wispy quartz veinlets 2-5 % | | | | | |
| L649320 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510274 N | UTM 584307 E | Strike Length Exp: | Metallics: | 0.0142 0.0059 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | | | Host : Mafic unit | | |
| Sampled By: JMC 04-Jul-11 Mafic rock of uncertain origin. Strongly invaded by narrow closely spaced carbonate veinlets | | | | | |
| L649321 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510198 N | UTM 584406 E | Strike Length Exp: | Metallics: | 0.0217 0.0048 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | | | Host : Carbonatite dyke | | |
| Sampled By: JMC 04-Jul-11 Massive, rust stained, 15% wispy quartz veinlets | | | | | |
| L649322 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510215 N | UTM 584427 E | Strike Length Exp: | Metallics: | 0.0489 0.0054 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | | | Host : White feldspar-rich rock (?syenite-monzonite) | | |
| Sampled By: JMC 04-Jul-11 Well foliated, mg, streaky appearance due to orange disseminated carbonate mineral | | | | | |
| L649323 | Grid North: | Grid East: | Type: Grab | Alteration: | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510223 N | UTM 584424 E | Strike Length Exp: | Metallics: | 0.0269 0.0041 |
| | Elevation: | Sample Width: | True Width: | Secondaries: | |
| | | | Host : Carbonatite dyke | | |
| Sampled By: JMC 04-Jul-11 Well foliated, near contact with white feldspar-rich rock (L649322), contact is gradational and apparently zone of assimilation of host rock | | | | | |
| L651834 | Grid North: | Grid East: | Type: Grab | Alteration: strong CB | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510509 N | UTM 584113 E | Strike Length Exp: 15 m | Metallics: trace PY | 0.3799 0.0133 |
| | Elevation: 2236 m | Sample Width: 20 cm | True Width: 40 cm | Secondaries: | |
| | | | Host : carbonatite | | |
| Sampled By: JMC 04-Jul-11 carbonatite grading into silicate minerals (quartz). Fluorite and trace pyrite. strong carbonate alteration. sample taken from subcrop | | | | | |

Rock Sample Descriptions Xeno

Operator: Endurance Gold Corporation

Project: REI11-02 2011

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|--|-------------------|---------------------|--------------------------------|-----------------------|--|-------------------------|
| L651835 | Grid North: | Grid East: | Type: Grab | Alteration: strong CB | | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510508 N | UTM 584111 E | Strike Length Exp: 15 m | Metallics: trace PY | | 0.2448 0.0002 |
| | Elevation: 2236 m | Sample Width: 10 cm | True Width: 30 cm | Secondaries: | | |
| | | | Host : carbonatite | | | |
| Sampled By: JMC sample taken right beside L651834 in same unit with trace fluorite. subcrop | | | | | | |
| 04-Jul-11 | | | | | | |
| L651836 | Grid North: | Grid East: | Type: Grab | Alteration: strong CB | | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510501 N | UTM 584075 E | Strike Length Exp: | Metallics: trace CP | | 0.1995 0.0001 |
| | Elevation: 2232 m | Sample Width: 10 cm | True Width: | Secondaries: weak MC | | |
| | | | Host : carbonatite | | | |
| Sampled By: JMC carbonatite rock similar to L651834 and 835, but with 1-2% fluorite. some copper mineralization as well. thin zone. subcrop | | | | | | |
| 04-Jul-11 | | | | | | |
| L651837 | Grid North: | Grid East: | Type: Float | Alteration: strong SI | | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510464 N | UTM 584027 E | Strike Length Exp: | Metallics: 3 PY | | 0.038 0.0187 |
| | Elevation: 2217 m | Sample Width: 10 cm | True Width: 15 cm | Secondaries: | | |
| | | | Host : | | | |
| Sampled By: JMC quartz carbonate stringers with fluorite, within medium to fine grained, medium grey coloured, very hard (silicious) rock. lots of pyrite in altered host rock | | | | | | |
| 04-Jul-11 | | | | | | |
| L651838 | Grid North: | Grid East: | Type: Grab | Alteration: | | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510385 N | UTM 584141 E | Strike Length Exp: | Metallics: | | 0.0313 0.007 |
| | Elevation: 2211 m | Sample Width: 10 cm | True Width: 20 cm | Secondaries: | | |
| | | | Host : Carbonatite? | | | |
| Sampled By: JMC carbonatite looking rock with 2% fluorite | | | | | | |
| 04-Jul-11 | | | | | | |
| L651839 | Grid North: | Grid East: | Type: Grab | Alteration: strong CB | | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510291 N | UTM 584283 E | Strike Length Exp: 5 m | Metallics: | | 0.0191 0.0181 |
| | Elevation: 2193 m | Sample Width: 10 cm | True Width: 2 m | Secondaries: | | |
| | | | Host : carbonate foliated rock | | | |
| Sampled By: JMC the rock is foliated, medium grained, and made up of mostly a brownish yellow mineral. also has fluorite and what looks like mariposite. | | | | | | |
| 04-Jul-11 | | | | | | |
| L651840 | Grid North: | Grid East: | Type: Float | Alteration: BO? | | TREO+Y % Nb2O3 % |
| Xeno | UTM 6510262 N | UTM 584320 E | Strike Length Exp: | Metallics: | | 0.0473 0.0362 |
| | Elevation: 2165 m | Sample Width: 10 cm | True Width: 10 cm | Secondaries: | | |
| | | | Host : | | | |
| Sampled By: JMC strange weathered out rock with what looks like bournite. rock is full of holes/vugs and rusted out | | | | | | |
| 04-Jul-11 | | | | | | |

Rock Sample Descriptions Xeno

Operator: Endurance Gold Corporation

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|-------------------------------|--|---|------------------|----|-------------------------|-------------------------------------|--|--------|
| L651841 Xeno | Grid North: | | Grid East: | | Type: Grab | Alteration: mod CB, strong SI | TREO+Y % Nb2O3 % | |
| | UTM 6508841 | N | UTM 586235 | E | Strike Length Exp: 8 m | Metallics: tarce GL, 2 PY | 0.1437 | 0.0257 |
| | Elevation: 1554 | m | Sample Width: 30 | cm | True Width: 30 cm | Secondaries: mod GE, mod JA | Host : very altered (look to comments) | |
| Sampled By: JMC 05-Jul-11 | medium green coloured, medium grained rock. Strong silica alteration and moderate carbonate alteration. Lots of small quartz stringers. Trace-1% fluorite. Sample taken beside old sample number 860 | | | | | | | |
| L651842 Xeno | Grid North: | | Grid East: | | Type: Grab | Alteration: mod CB | TREO+Y % Nb2O3 % | |
| | UTM 6508838 | N | UTM 586248 | E | Strike Length Exp: 10 m | Metallics: trace GL, 3 PY | 0.4169 | 0.0154 |
| | Elevation: 1552 | m | Sample Width: 20 | cm | True Width: 2 m | Secondaries: | Host : Breccia? (see comments) | |
| Sampled By: JMC 05-Jul-11 | medium to dark green coloured rock with fragments of silica altered rock (brecciated?). Matrix (majority) of rock is quite soft. Fluorite, pyrite, and trace galena in quartz carbonate veins (close to being stockwork) | | | | | | | |
| L651843 Xeno | Grid North: | | Grid East: | | Type: Grab | Alteration: CB | TREO+Y % Nb2O3 % | |
| | UTM 6508846 | N | UTM 586279 | E | Strike Length Exp: 15 m | Metallics: trace GL, 2% PY | 0.382 | 0.0257 |
| | Elevation: 1554 | m | Sample Width: 5 | cm | True Width: 20 cm | Secondaries: | Host : | |
| Sampled By: JMC 05-Jul-11 | quartz carbonate veins with fluorite | | | | | | | |
| L651844 Xeno | Grid North: | | Grid East: | | Type: Grab | Alteration: CA | TREO+Y % Nb2O3 % | |
| | UTM 6508835 | N | UTM 586281 | E | Strike Length Exp: 10 m | Metallics: trace GL, trace MO, 3% P | 0.4571 | 0.0316 |
| | Elevation: 1553 | m | Sample Width: 10 | cm | True Width: 10 cm | Secondaries: mod GE, mod JA, mod | Host : | |
| Sampled By: JMC 05-Jul-11 | quartz carbonate veining (small stringers) with Fluorite, calcite, Moly, pyrite, maybe galena | | | | | | | |
| L651845 Xeno | Grid North: | | Grid East: | | Type: Grab | Alteration: strong CB | TREO+Y % Nb2O3 % | |
| | UTM 6509918 | N | UTM 584649 | E | Strike Length Exp: 2 m | Metallics: 2% PY, 1% Fluorite | 0.0548 | 0.016 |
| | Elevation: 2177 | m | Sample Width: 5 | cm | True Width: 3 m | Secondaries: GE, JA | Host : carbonatite breccia | |
| Sampled By: JMC 05-Jul-11 | interesting carbonate breccia with fluorite. clasts seem mostly light coloured (white) | | | | | | | |
| L651846 Xeno | Grid North: | | Grid East: | | Type: Grab | Alteration: CA, CL, mod EP | TREO+Y % Nb2O3 % | |
| | UTM 6506284 | N | UTM 590447 | E | Strike Length Exp: 5 m | Metallics: PY | 0.0859 | 0.029 |
| | Elevation: 1626 | m | Sample Width: 30 | cm | True Width: 30 cm | Secondaries: weak GE, weak JA | Host : mafic cyanite | |
| Sampled By: JMC 06-Jul-11 | fluorite mineralization in calcite veins and fracture planes. Splashy fluorite but doesn't seem very extensive beyond the small veins and fracture planes. Sample taken beside old sample #288910 | | | | | | | |

Rock Sample Descriptions Xeno

Operator: Endurance Gold Corporation

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| | Grid North: | | Grid East: | | Type: | Alteration: | <u>TREO+Y %</u> | <u>Nb2O3 %</u> |
|-----------------|--|---|------------------|----|------------------------|---------------|-----------------|----------------|
| L651847 | | | | | Select/Grab | CA, mod EP | | |
| Xeno | UTM 6506301 | N | UTM 590417 | E | Strike Length Exp: 2 m | Metallics: PY | 0.0624 | 0.0083 |
| | Elevation: 1585 | m | Sample Width: 10 | cm | True Width: 20 | Secondaries: | | |
| | Host : mafic cyanite | | | | | | | |
| Sampled By: JMC | sampled beside 288939. globs of fluorite within calcite. Pinches out pretty fast. 10-20% fluorite within grab sample | | | | | | | |
| 06-Jul-11 | | | | | | | | |
| L651961 | | | | | Grab | | | |
| Xeno | UTM 6510501 | N | UTM 584096 | E | Strike Length Exp: | Metallics: | 0.174 | 0.0003 |
| | Elevation: 2237 | m | Sample Width: | | True Width: | Secondaries: | | |
| | Host : carbonatite | | | | | | | |
| Sampled By: DS | orange-weathered carbonatite cut by quartz containing blebs of chalcopyrite | | | | | | | |
| 04-Jul-11 | | | | | | | | |
| L651962 | | | | | Grab | | | |
| Xeno | UTM 6510511 | N | UTM 584057 | E | Strike Length Exp: | Metallics: | 0.0168 | 0.0062 |
| | Elevation: 2235 | m | Sample Width: | | True Width: | Secondaries: | | |
| | Host : mafic syenite | | | | | | | |
| Sampled By: DS | tension gashes in mafic syenite (1-5mm) infilled with ankerite? and qtz with 5-10cm alteration halo around gashes into syenite | | | | | | | |
| 04-Jul-11 | | | | | | | | |
| L651963 | | | | | Grab | | | |
| Xeno | UTM 6510513 | N | UTM 584064 | E | Strike Length Exp: | Metallics: | 0.0267 | 0.0103 |
| | Elevation: 2233 | m | Sample Width: | | True Width: | Secondaries: | | |
| | Host : mold phyllite/ferite? | | | | | | | |
| Sampled By: DS | ferite? alteration zone surrounding carbonatite | | | | | | | |
| 04-Jul-11 | | | | | | | | |
| L651964 | | | | | Grab | | | |
| Xeno | UTM 6510474 | N | UTM 584147 | E | Strike Length Exp: | Metallics: | 0.034 | 0.0187 |
| | Elevation: 2232 | m | Sample Width: | | True Width: | Secondaries: | | |
| | Host : carbonatite | | | | | | | |
| Sampled By: DS | more carbonatite with purple fluorite | | | | | | | |
| 04-Jul-11 | | | | | | | | |
| L651965 | | | | | Grab | | | |
| Xeno | UTM 6510471 | N | UTM 584149 | E | Strike Length Exp: | Metallics: | 0.0286 | 0.0131 |
| | Elevation: 2231 | m | Sample Width: | | True Width: | Secondaries: | | |
| | Host : carbonatite | | | | | | | |
| Sampled By: DS | from middle of zone by 964. fine grained highly lineated, slightly greenish | | | | | | | |
| 04-Jul-11 | | | | | | | | |

Rock Sample Descriptions Xeno

Operator: Endurance Gold Corporation

Project: REI11-02 2011

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|--|-----------------|---|---------------|---|--------------------|--------------|-------------------------|--------|--|
| L651966 Xeno | Grid North: | | Grid East: | | Type: | Alteration: | TREO+Y % Nb2O3 % | | |
| | UTM 6510426 | N | UTM 584128 | E | Strike Length Exp: | Metallics: | 0.0318 | 0.0054 | |
| | Elevation: 2278 | m | Sample Width: | | True Width: | Secondaries: | | | |
| Host : | | | | | | | | | |
| Sampled By: DS continuation of carbonatite with unknown pale-green mineral 04-Jul-11 | | | | | | | | | |
| L651967 Xeno | Grid North: | | Grid East: | | Type: Float | Alteration: | TREO+Y % Nb2O3 % | | |
| | UTM 6510277 | N | UTM 584312 | E | Strike Length Exp: | Metallics: | 0.0312 | 0.0094 | |
| | Elevation: 2180 | m | Sample Width: | | True Width: | Secondaries: | | | |
| Host : carbonatite | | | | | | | | | |
| Sampled By: DS float of fluorite-bearing carbonatite 50m down slope 04-Jul-11 | | | | | | | | | |
| L651968 Xeno | Grid North: | | Grid East: | | Type: Float + Grab | Alteration: | TREO+Y % Nb2O3 % | | |
| | UTM 6510206 | N | UTM 584404 | E | Strike Length Exp: | Metallics: | 0.0122 | 0.0055 | |
| | Elevation: 2177 | m | Sample Width: | | True Width: | Secondaries: | | | |
| Host : | | | | | | | | | |
| Sampled By: DS fluorite in qtz-calcite zone of carbonatite dyke 04-Jul-11 | | | | | | | | | |
| L651969 Xeno | Grid North: | | Grid East: | | Type: | Alteration: | TREO+Y % Nb2O3 % | | |
| | UTM 6510206 | N | UTM 584404 | E | Strike Length Exp: | Metallics: | 0.012 | 0.0372 | |
| | Elevation: | | Sample Width: | | True Width: | Secondaries: | | | |
| Host : | | | | | | | | | |
| Sampled By: DS From same site as L651968. fluortie rich layers interlayered with qtz-? rich zones 04-Jul-11 | | | | | | | | | |
| L651970 Xeno | Grid North: | | Grid East: | | Type: Grab | Alteration: | TREO+Y % Nb2O3 % | | |
| | UTM 6508841 | N | UTM 586228 | E | Strike Length Exp: | Metallics: | 0.0837 | 0.0138 | |
| | Elevation: 1559 | m | Sample Width: | | True Width: | Secondaries: | | | |
| Host : | | | | | | | | | |
| Sampled By: DS Quartz-carbonite-fluorite- vein/dyke cutting a fine grained (silicified?) crystalline host rock. (?) Fluorite+chalcopyrite in alteration of host 05-Jul-11 | | | | | | | | | |
| L651971 Xeno | Grid North: | | Grid East: | | Type: Grab | Alteration: | TREO+Y % Nb2O3 % | | |
| | UTM 6508849 | N | UTM 586272 | E | Strike Length Exp: | Metallics: | 0.1118 | 0.0125 | |
| | Elevation: 1557 | m | Sample Width: | | True Width: | Secondaries: | | | |
| Host : | | | | | | | | | |
| Sampled By: DS host rock/matrix of breccia without qtz-carbonate-fluorite dyke, taken for while rock chemistry 05-Jul-11 | | | | | | | | | |

Rock Sample Descriptions Xeno

Operator: Endurance Gold Corporation

Project: REI11-02 2011

NTS: 94L/12

| | Grid North: | | Grid East: | | Type: | Alteration: | <u>TREO+Y %</u> | <u>Nb2O3 %</u> |
|-----------------|---|---|---------------|---|--------------------|--------------|-----------------|----------------|
| L651972 | | | | | Grab | | | |
| Xeno | UTM 6508820 | N | UTM 586283 | E | Strike Length Exp: | Alteration: | 0.9437 | 0.0092 |
| | Elevation: 1559 | m | Sample Width: | | True Width: | Secondaries: | | |
| | Host : | | | | | | | |
| Sampled By: DS | same qtz-carb-fluorite as elsewhere, but fluorite rich (~5%) | | | | | | | |
| 05-Jul-11 | | | | | | | | |
| L651973 | | | | | Grab | | | |
| Xeno | UTM 6508791 | N | UTM 586340 | E | Strike Length Exp: | Alteration: | 0.0098 | 0.0016 |
| | Elevation: 1547 | m | Sample Width: | | True Width: | Secondaries: | | |
| | Host : ? | | | | | | | |
| Sampled By: DS | fine grained white rock cut by "breccia" dyke. "Breccia" is not actually breccia, rock fizzes under acid, so no quartzite though it looks like it | | | | | | | |
| 05-Jul-11 | | | | | | | | |
| L651974 | | | | | Grab | | | |
| Xeno | UTM 6509999 | N | UTM 584613 | E | Strike Length Exp: | Alteration: | 0.0332 | 0.004 |
| | Elevation: 2185 | m | Sample Width: | | True Width: | Secondaries: | | |
| | Host : | | | | | | | |
| Sampled By: DS | Felsenmear | | | | | | | |
| 05-Jul-11 | | | | | | | | |
| L651975 | | | | | Grab | | | |
| Xeno | UTM 6506328 | N | UTM 590606 | E | Strike Length Exp: | Alteration: | 0.0092 | 0.0004 |
| | Elevation: 1671 | m | Sample Width: | | True Width: | Secondaries: | | |
| | Bedding 120°/66° | | | | | | | |
| | Host : carbonatite/quartz dyke in... | | | | | | | |
| Sampled By: DS | foliation is in host... | | | | | | | |
| 06-Jul-11 | | | | | | | | |
| L651976 | | | | | | | | |
| Xeno | UTM 6506352 | N | UTM 590499 | E | Strike Length Exp: | Alteration: | 0.0098 | 0.0001 |
| | Elevation: 1617 | m | Sample Width: | | True Width: | Secondaries: | | |
| | Host : | | | | | | | |
| Sampled By: DS | 10cm wide carbonate-? vein/dyke with minor fluorite and an unknown emerald green mineral | | | | | | | |
| 06-Jul-11 | | | | | | | | |
| L651977 | | | | | Grab | | | |
| Xeno | UTM 6506284 | N | UTM 590431 | E | Strike Length Exp: | Alteration: | 0.0562 | 0.0278 |
| | Elevation: 1609 | m | Sample Width: | | True Width: | Secondaries: | | |
| | Host : | | | | | | | |
| Sampled By: JMC | vein of fluorite-carbonate cutting fine grained dark host rock. same sample site as 9131914 of Pacific Ridge | | | | | | | |
| 06-Jul-11 | | | | | | | | |

Appendix D: Certificate of Analysis



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

To: EQUITY EXPLORATION CONSULTANTS LTD.
 SUITE 200, 900 WEST HASTINGS STREET
 VANCOUVER BC V6C 1E5

Page: 1
 Finalized Date: 5-AUG-2011
 Account: EIAREI

CERTIFICATE WH11128715

Project: REI11-02
 P.O. No.: REI11-02_1
 This report is for 54 Rock samples submitted to our lab in Whitehorse, YT, Canada on 7-JUL-2011.
 The following have access to data associated with this certificate:


| | | |
|-----------------------------|------------------|-------|
| FRED BREAKS DAVE SWANTON | EQUITY ENG EMAIL | R. S. |
|-----------------------------|------------------|-------|

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

| ANALYTICAL PROCEDURES | | |
|-----------------------|--------------------------------|------------|
| ALS CODE | DESCRIPTION | INSTRUMENT |
| ME-AQ81 | Base Metals by Aqua Regia dig. | ICP-AES |
| ME-ICP06 | Whole Rock Package - ICP-AES | ICP-AES |
| OA-GRA05 | Loss on Ignition at 1000C | WST-SEQ |
| ME-MS81 | 38 element fusion ICP-MS | ICP-MS |
| TOT-ICP06 | Total Calculation for ICP06 | ICP-AES |

To: EQUITY EXPLORATION CONSULTANTS LTD.
 ATTN: DAVE SWANTON
 SUITE 200, 900 WEST HASTINGS STREET
 VANCOUVER BC V6C 1E5

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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To: EQUITY EXPLORATION CONSULTANTS LTD.
 SUITE 200, 900 WEST HASTINGS STREET
 VANCOUVER BC V6C 1E5

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 Total # Pages: 3 (A - E)
 Finalized Date: 5-AUG-2011
 Account: EIAREI

Project: REI11-02

CERTIFICATE OF ANALYSIS WH11128715

| Sample Description | Method Analyte Units LOR | WEI-21 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |
|--------------------|--------------------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | Recvd Wt. kg | Ag ppm | Ba ppm | Ce ppm | Co ppm | Cr ppm | Cs ppm | Cu ppm | Dy ppm | Er ppm | Eu ppm | Ga ppm | Gd ppm | Hf ppm | Ho ppm |
| | | 0.02 | 1 | 0.5 | 0.5 | 0.5 | 10 | 0.01 | 5 | 0.05 | 0.03 | 0.03 | 0.1 | 0.05 | 0.2 | 0.01 |
| L649301 | | 1.30 | <1 | 508 | 1555 | 33.0 | 700 | 1.09 | 36 | 13.25 | 6.54 | 8.25 | 23.9 | 20.1 | 3.3 | 2.50 |
| L649302 | | 0.44 | <1 | 376 | 475 | 24.4 | 450 | 0.77 | 33 | 11.10 | 6.55 | 4.27 | 17.7 | 10.65 | 4.7 | 2.26 |
| L649303 | | 0.77 | <1 | 513 | 1105 | 5.4 | 60 | 0.17 | <5 | 13.55 | 6.51 | 7.26 | 6.2 | 16.05 | 1.3 | 2.49 |
| L649304 | | 0.78 | <1 | 229 | 79.8 | 44.0 | 30 | 5.26 | 48 | 4.76 | 2.48 | 2.10 | 18.0 | 5.67 | 3.7 | 0.91 |
| L649305 | | 0.76 | <1 | 1090 | 129.5 | 1.4 | 40 | 0.41 | 5 | 3.31 | 1.13 | 2.53 | 19.6 | 7.39 | 4.7 | 0.51 |
| L649306 | | 0.94 | <1 | 499 | 36.2 | 70.9 | 1020 | 4.61 | 54 | 5.31 | 3.99 | 1.28 | 10.3 | 4.04 | 4.8 | 1.19 |
| L649307 | | 1.00 | <1 | 322 | 144.0 | 1.2 | 30 | 0.25 | <5 | 2.41 | 0.80 | 2.12 | 19.4 | 6.00 | 5.2 | 0.36 |
| L649308 | | 0.92 | <1 | 362 | 198.5 | 2.3 | 30 | 0.36 | <5 | 6.53 | 3.29 | 2.29 | 19.3 | 8.02 | 5.1 | 1.22 |
| L649309 | | 0.86 | <1 | 279 | 17.8 | 0.9 | 20 | 0.13 | <5 | 3.27 | 1.98 | 0.69 | 2.5 | 3.07 | 3.6 | 0.69 |
| L649310 | | 0.79 | <1 | 47.3 | 21.9 | 4.6 | 20 | 0.40 | <5 | 6.77 | 5.13 | 1.29 | 7.4 | 4.87 | 1.0 | 1.53 |
| L649311 | | 0.73 | <1 | 608 | 532 | 3.1 | <10 | 0.16 | <5 | 8.60 | 4.95 | 6.56 | 3.2 | 12.70 | 0.2 | 1.77 |
| L649312 | | 1.57 | <1 | 201 | 378 | 18.8 | <10 | 0.17 | 25 | 8.05 | 3.98 | 4.37 | 14.4 | 9.42 | 0.4 | 1.57 |
| L649313 | | 0.59 | <1 | 1380 | 464 | 19.4 | 60 | 5.71 | 6 | 10.65 | 5.24 | 6.07 | 22.3 | 13.55 | 6.3 | 1.97 |
| L649314 | | 0.89 | <1 | 3920 | 184.0 | 11.9 | <10 | 1.36 | 23 | 4.45 | 2.53 | 2.13 | 29.7 | 5.30 | 4.8 | 0.88 |
| L649315 | | 0.96 | 1 | 456 | 580 | 3.3 | <10 | 0.45 | 11 | 9.60 | 5.63 | 6.13 | 4.7 | 12.70 | 0.2 | 1.89 |
| L649316 | | 0.67 | <1 | 371 | 89.6 | 0.5 | 10 | 0.56 | <5 | 2.16 | 1.77 | 0.69 | 25.8 | 2.11 | 8.8 | 0.50 |
| L649317 | | 0.79 | <1 | 2940 | 90.2 | 2.4 | 30 | 0.24 | 5 | 4.95 | 1.80 | 2.61 | 19.5 | 8.28 | 2.2 | 0.81 |
| L649318 | | 0.86 | <1 | >10000 | 102.0 | 2.1 | 20 | 0.34 | 77 | 3.12 | 0.89 | 2.75 | 17.0 | 8.16 | 2.4 | 0.44 |
| L649319 | | 0.90 | <1 | 94.3 | 1365 | 5.4 | 80 | 0.19 | 9 | 18.75 | 2.31 | 27.3 | 9.6 | 60.5 | 1.6 | 1.94 |
| L649320 | | 0.95 | <1 | 1165 | 38.5 | 92.0 | 1260 | 1.17 | 44 | 2.99 | 1.54 | 1.22 | 10.8 | 3.19 | 3.8 | 0.59 |
| L649321 | | 0.57 | <1 | 258 | 74.8 | 5.0 | 30 | 0.12 | <5 | 1.99 | 0.56 | 1.84 | 12.1 | 4.88 | 2.2 | 0.28 |
| L649322 | | 1.24 | <1 | 255 | 188.5 | 2.6 | 30 | 0.36 | 6 | 1.96 | 0.46 | 3.09 | 20.9 | 5.61 | 3.7 | 0.25 |
| L649323 | | 0.52 | <1 | 58.2 | 94.1 | 1.8 | 40 | 0.12 | <5 | 2.80 | 1.00 | 2.19 | 8.6 | 5.42 | 2.6 | 0.45 |
| L651834 | | 0.71 | <1 | >10000 | 1415 | 8.2 | 70 | 0.08 | 14 | 14.25 | 5.13 | 13.20 | 8.7 | 25.7 | 0.9 | 2.30 |
| L651835 | | 1.00 | <1 | 832 | 427 | 1.5 | 100 | <0.01 | 121 | 95.8 | 44.9 | 36.8 | 2.5 | 120.0 | 0.6 | 18.05 |
| L651836 | | 1.03 | <1 | >10000 | 701 | 3.1 | 50 | 0.01 | 171 | 14.40 | 5.01 | 15.15 | 6.1 | 28.1 | 0.2 | 2.33 |
| L651837 | | 0.60 | <1 | 1775 | 129.0 | 9.4 | 10 | 0.71 | 8 | 5.36 | 2.20 | 2.37 | 23.2 | 6.19 | 3.7 | 0.94 |
| L651838 | | 0.85 | <1 | 2250 | 108.5 | 2.6 | 30 | 0.43 | <5 | 2.67 | 0.76 | 2.48 | 48.8 | 5.99 | 3.7 | 0.38 |
| L651839 | | 0.93 | <1 | 327 | 58.7 | 57.4 | 1370 | 0.54 | 62 | 3.08 | 1.79 | 1.14 | 15.9 | 2.79 | 3.7 | 0.65 |
| L651840 | | 0.82 | <1 | 1005 | 112.5 | 82.2 | 740 | 0.52 | 83 | 14.05 | 5.95 | 5.66 | 18.0 | 17.00 | 3.5 | 2.54 |
| L651841 | | 0.73 | <1 | 634 | 553 | 31.4 | 700 | 1.08 | 18 | 5.25 | 2.88 | 3.28 | 15.6 | 4.23 | 6.1 | 1.07 |
| L651842 | | 0.92 | 1 | 537 | 1540 | 32.5 | 630 | 3.03 | 40 | 7.01 | 3.21 | 4.75 | 16.8 | 2.21 | 3.1 | 1.33 |
| L651843 | | 0.73 | <1 | 557 | 1510 | 40.4 | 860 | 1.25 | 20 | 10.15 | 4.09 | 8.16 | 19.8 | 9.01 | 3.6 | 1.84 |
| L651844 | | 1.18 | <1 | 120.0 | 1790 | 12.9 | 130 | 0.09 | 78 | 15.15 | 7.22 | 9.41 | 7.1 | 11.65 | 0.9 | 2.89 |
| L651845 | | 0.83 | <1 | 335 | 86.6 | 11.1 | 70 | 0.24 | 7 | 25.6 | 12.30 | 3.93 | 8.7 | 16.20 | 2.0 | 5.23 |
| L651846 | | 0.85 | <1 | 1795 | 292 | 10.2 | 60 | 3.78 | 5 | 7.71 | 3.70 | 4.21 | 20.7 | 8.45 | 4.9 | 1.49 |
| L651847 | | 1.32 | <1 | 1080 | 227 | 5.6 | 10 | 0.56 | 24 | 3.38 | 1.55 | 2.80 | 17.5 | 4.30 | 1.1 | 0.64 |
| L651961 | | 1.00 | <1 | 9040 | 539 | 1.1 | 80 | 0.02 | 579 | 25.8 | 9.86 | 16.65 | 3.0 | 43.1 | 0.3 | 4.44 |
| L651962 | | 0.68 | <1 | 754 | 46.4 | 47.7 | 200 | 4.00 | 104 | 3.70 | 1.86 | 1.49 | 15.0 | 3.97 | 3.1 | 0.71 |
| L651963 | | 0.75 | <1 | 840 | 101.0 | 0.7 | 10 | 0.75 | <5 | 1.84 | 0.95 | 1.12 | 22.5 | 2.27 | 5.8 | 0.36 |

Comments: Low whole rock total confirmed by re-analysis.



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To: EQUITY EXPLORATION CONSULTANTS LTD.
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 VANCOUVER BC V6C 1E5

Page: 2 - B
 Total # Pages: 3 (A - E)
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 Account: EIAREI

Project: REI11-02

CERTIFICATE OF ANALYSIS WH11128715

| Sample Description | Method Analyte Units LOR | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 |
|--------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | La ppm | Lu ppm | Mo ppm | Nb ppm | Nd ppm | Ni ppm | Pb ppm | Pr ppm | Rb ppm | Sm ppm | Sn ppm | Sr ppm | Ta ppm | Tb ppm | Th ppm |
| | | 0.5 | 0.01 | 2 | 0.2 | 0.1 | 5 | 5 | 0.03 | 0.2 | 0.03 | 1 | 0.1 | 0.1 | 0.01 | 0.05 |
| L649301 | | 1130 | 0.77 | 54 | 226 | 348 | 206 | 65 | 124.0 | 153.5 | 34.7 | 3 | 823 | 4.4 | 2.50 | 66.6 |
| L649302 | | 371 | 0.67 | 137 | 312 | 105.0 | 171 | 495 | 37.1 | 151.0 | 14.25 | 5 | 949 | 5.8 | 1.85 | 60.9 |
| L649303 | | 837 | 0.86 | 905 | 38.7 | 240 | 34 | 19 | 84.5 | 16.1 | 27.0 | 1 | 688 | 0.3 | 2.57 | 102.5 |
| L649304 | | 48.1 | 0.29 | 10 | 50.4 | 32.1 | 71 | 46 | 8.31 | 103.5 | 6.28 | 1 | 498 | 2.6 | 0.86 | 7.00 |
| L649305 | | 72.0 | 0.15 | 9 | 56.0 | 45.9 | 5 | 6 | 13.05 | 117.0 | 9.21 | 3 | 102.5 | 3.2 | 0.84 | 42.2 |
| L649306 | | 17.9 | 0.63 | <2 | 162.0 | 16.8 | 519 | 9 | 4.11 | 238 | 3.66 | 2 | 398 | 1.5 | 0.77 | 23.1 |
| L649307 | | 74.8 | 0.11 | 4 | 59.8 | 52.4 | <5 | 5 | 14.85 | 99.0 | 8.85 | 3 | 87.2 | 3.8 | 0.63 | 24.1 |
| L649308 | | 110.5 | 0.38 | 5 | 61.9 | 69.1 | 9 | 6 | 19.90 | 97.3 | 11.30 | 6 | 241 | 3.5 | 1.19 | 33.0 |
| L649309 | | 8.8 | 0.24 | <2 | 5.1 | 9.2 | <5 | 34 | 2.07 | 18.5 | 2.43 | <1 | 483 | 0.2 | 0.52 | 2.81 |
| L649310 | | 11.3 | 0.79 | 2 | 18.9 | 9.8 | 7 | 12 | 2.29 | 14.6 | 3.49 | 1 | 353 | 0.1 | 0.99 | 7.61 |
| L649311 | | 289 | 0.60 | 40 | 4.7 | 173.5 | <5 | 22 | 51.3 | 3.7 | 26.7 | <1 | >10000 | <0.1 | 1.63 | 21.0 |
| L649312 | | 241 | 0.37 | 1270 | 14.4 | 105.5 | <5 | 24 | 33.3 | 17.3 | 15.15 | 1 | 7300 | 0.2 | 1.44 | 46.3 |
| L649313 | | 271 | 0.60 | 52 | 236 | 155.0 | 42 | 6 | 45.1 | 243 | 22.7 | 2 | 2490 | 12.7 | 1.98 | 36.2 |
| L649314 | | 126.5 | 0.37 | 88 | 321 | 49.6 | <5 | 174 | 16.10 | 142.0 | 7.10 | 2 | 6510 | 10.7 | 0.77 | 28.8 |
| L649315 | | 328 | <0.75 | 225 | 8.1 | 175.5 | <5 | 66 | 54.8 | 20.4 | 23.7 | <1 | >10000 | <0.1 | 1.82 | 140.5 |
| L649316 | | 23.8 | 0.35 | 3 | 60.5 | 14.1 | <5 | 7 | 4.28 | 169.0 | 2.73 | 11 | 54.5 | 3.9 | 0.34 | 20.0 |
| L649317 | | 52.3 | 0.12 | 4 | 20.3 | 33.4 | 12 | 6 | 9.00 | 127.5 | 9.43 | 1 | 116.5 | 0.9 | 1.04 | 33.2 |
| L649318 | | 56.5 | 0.12 | 5 | 40.0 | 39.0 | <5 | 8 | 10.45 | 107.0 | 10.40 | 2 | 135.5 | 2.5 | 0.87 | 61.3 |
| L649319 | | 1025 | 0.29 | 30 | 36.7 | 435 | 34 | 9 | 138.0 | 13.0 | 93.2 | 1 | 356 | 0.7 | 6.01 | 481 |
| L649320 | | 20.4 | 0.29 | <2 | 41.4 | 19.6 | 623 | 11 | 4.92 | 185.5 | 4.11 | 1 | 398 | 1.4 | 0.52 | 4.24 |
| L649321 | | 41.8 | 0.13 | 2 | 33.8 | 32.6 | 24 | <5 | 9.04 | 86.8 | 7.55 | 1 | 211 | 1.8 | 0.50 | 52.0 |
| L649322 | | 113.0 | 0.10 | 4 | 37.6 | 63.9 | 11 | 7 | 20.6 | 176.5 | 10.65 | 2 | 27.8 | 2.5 | 0.57 | 50.8 |
| L649323 | | 56.4 | 0.21 | 18 | 29.0 | 35.2 | 9 | 5 | 10.65 | 63.5 | 7.86 | 2 | 261 | 1.4 | 0.67 | 41.4 |
| L651834 | | 1145 | 0.90 | 52 | 93.1 | 352 | 36 | 24 | 129.5 | 21.4 | 52.3 | 3 | 424 | 0.8 | 3.21 | 318 |
| L651835 | | 227 | 3.86 | <2 | 1.1 | 258 | 16 | 9 | 61.1 | 1.8 | 108.5 | 2 | 523 | 0.1 | 17.75 | 911 |
| L651836 | | 365 | 0.74 | <2 | 0.5 | 323 | 17 | 9 | 90.4 | 2.9 | 62.6 | 1 | 1130 | <0.1 | 3.15 | 174.0 |
| L651837 | | 72.4 | 0.32 | 5 | 131.0 | 49.1 | 9 | 29 | 14.55 | 164.0 | 9.18 | 4 | 182.5 | 6.8 | 0.99 | 31.6 |
| L651838 | | 63.6 | 0.14 | 11 | 48.9 | 46.0 | 7 | 7 | 13.30 | 177.5 | 9.91 | 2 | 253 | 2.8 | 0.65 | 42.5 |
| L651839 | | 34.4 | 0.34 | 4 | 126.5 | 24.0 | 411 | 19 | 7.08 | 146.0 | 4.17 | 4 | 277 | 2.2 | 0.50 | 16.30 |
| L651840 | | 57.2 | 0.74 | 31 | 253 | 57.5 | 688 | 60 | 14.40 | 145.0 | 17.20 | 6 | 13.9 | 4.6 | 2.62 | 51.8 |
| L651841 | | 397 | 0.55 | 199 | 180.0 | 144.5 | 248 | 61 | 53.1 | 189.5 | 15.00 | 4 | 637 | 3.3 | 0.85 | 55.6 |
| L651842 | | 1535 | 0.49 | 416 | 108.0 | 266 | 235 | 772 | 119.0 | 216 | 21.5 | 3 | 1500 | 2.2 | 1.20 | 91.8 |
| L651843 | | 1090 | 0.59 | 87 | 180.0 | 375 | 206 | 55 | 142.5 | 198.5 | 38.4 | 4 | 517 | 4.5 | 1.90 | 40.3 |
| L651844 | | 1335 | 1.28 | 595 | 221 | 415 | 60 | 136 | 162.0 | 14.5 | 42.3 | 2 | 1310 | 0.9 | 2.60 | 168.0 |
| L651845 | | 55.3 | 0.88 | 4 | 111.5 | 35.2 | 36 | 10 | 10.05 | 209 | 10.45 | 2 | 267 | 4.1 | 3.73 | 128.0 |
| L651846 | | 204 | 0.56 | 270 | 203 | 104.5 | 29 | 8 | 33.1 | 206 | 16.60 | 2 | 3050 | 9.7 | 1.34 | 31.6 |
| L651847 | | 164.0 | 0.25 | 18 | 58.1 | 68.6 | <5 | 8 | 22.1 | 35.9 | 12.50 | 1 | 3740 | 1.2 | 0.61 | 16.05 |
| L651961 | | 286 | 1.18 | 8 | 1.9 | 256 | 14 | 8 | 69.5 | 3.0 | 66.1 | 1 | 399 | 0.1 | 5.38 | 207 |
| L651962 | | 25.0 | 0.32 | <2 | 43.4 | 23.6 | 106 | 6 | 6.09 | 160.0 | 5.05 | 2 | 419 | 2.0 | 0.61 | 4.90 |
| L651963 | | 58.8 | 0.20 | 3 | 71.7 | 34.0 | 5 | 6 | 11.25 | 83.5 | 5.27 | 7 | 87.8 | 4.1 | 0.31 | 12.55 |

Comments: Low whole rock total confirmed by re-analysis.



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Page: 2 - C
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CERTIFICATE OF ANALYSIS WH11128715

| Sample Description | Method Analyte Units LOR | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 |
|--------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
| | | Tl | Tm | U | V | W | Y | Yb | Zn | Zr | SiO2 | Al2O3 | Fe2O3 | CaO | MgO | Na2O |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % |
| | | 0.5 | 0.01 | 0.05 | 5 | 1 | 0.5 | 0.03 | 5 | 2 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| L649301 | | 0.8 | 1.01 | 6.48 | 134 | 54 | 83.9 | 5.70 | 243 | 167 | 28.4 | 9.24 | 7.53 | 16.95 | 6.94 | 0.03 |
| L649302 | | <0.5 | 0.96 | 4.68 | 210 | 70 | 73.3 | 5.14 | 564 | 218 | 31.8 | 9.24 | 6.01 | 14.70 | 6.43 | 0.15 |
| L649303 | | <0.5 | 1.02 | 1.29 | 64 | 10 | 77.0 | 5.92 | 93 | 74 | 4.01 | 0.81 | 5.54 | 27.8 | 15.90 | 0.02 |
| L649304 | | <0.5 | 0.35 | 1.07 | 334 | 5 | 25.2 | 2.02 | 145 | 128 | 41.0 | 13.35 | 10.90 | 10.25 | 7.21 | 2.40 |
| L649305 | | <0.5 | 0.17 | 0.75 | 74 | 8 | 13.3 | 1.04 | 18 | 113 | 64.3 | 9.09 | 2.99 | 5.20 | 1.95 | 0.12 |
| L649306 | | 0.5 | 0.69 | 3.80 | 219 | 9 | 44.5 | 4.42 | 58 | 89 | 34.4 | 6.27 | 10.35 | 10.85 | 12.55 | 0.07 |
| L649307 | | 0.6 | 0.11 | 0.77 | 26 | 6 | 9.5 | 0.70 | 5 | 110 | 70.4 | 9.85 | 1.48 | 2.74 | 1.16 | 0.27 |
| L649308 | | <0.5 | 0.50 | 1.21 | 91 | 6 | 30.8 | 2.78 | 14 | 111 | 42.3 | 8.93 | 5.36 | 12.35 | 5.15 | 0.49 |
| L649309 | | <0.5 | 0.28 | 1.15 | 17 | 2 | 23.3 | 1.65 | 16 | 126 | 26.8 | 1.72 | 3.94 | 20.7 | 12.35 | <0.01 |
| L649310 | | <0.5 | 0.86 | 0.33 | 116 | 1 | 52.7 | 5.40 | 19 | 35 | 21.8 | 2.40 | 3.49 | 22.2 | 13.55 | 0.86 |
| L649311 | | <0.5 | 0.79 | 0.44 | 5 | 1 | 61.1 | 4.59 | 65 | 6 | 0.78 | 0.30 | 1.24 | 58.9 | 0.43 | <0.01 |
| L649312 | | <0.5 | 0.54 | 2.89 | 29 | <1 | 56.7 | 2.86 | 90 | 12 | 12.75 | 6.07 | 10.70 | 45.8 | 0.15 | 0.30 |
| L649313 | | <0.5 | 0.76 | 4.49 | 212 | 18 | 60.4 | 4.31 | 352 | 301 | 43.8 | 16.85 | 8.18 | 10.55 | 4.14 | 3.00 |
| L649314 | | <0.5 | 0.41 | 11.00 | 67 | 8 | 28.0 | 2.47 | 66 | 348 | 49.8 | 19.60 | 7.12 | 6.28 | 0.53 | 2.31 |
| L649315 | | <0.5 | 0.91 | 2.08 | 5 | <1 | 64.4 | 5.53 | 833 | 8 | 2.23 | 1.00 | 3.96 | 56.1 | 0.16 | 0.01 |
| L649316 | | <0.5 | 0.32 | 2.48 | 34 | 6 | 15.6 | 2.25 | 8 | 166 | 77.1 | 11.50 | 0.70 | 0.14 | 0.49 | 0.05 |
| L649317 | | <0.5 | 0.20 | 1.19 | 29 | 3 | 25.0 | 0.98 | 8 | 51 | 73.0 | 8.95 | 1.52 | 2.51 | 1.04 | 0.03 |
| L649318 | | <0.5 | 0.12 | 0.63 | 24 | 5 | 12.7 | 0.74 | 18 | 55 | 71.4 | 8.05 | 2.12 | 2.98 | 0.62 | 0.05 |
| L649319 | | <0.5 | 0.35 | 2.64 | 182 | 3 | 55.2 | 1.88 | 49 | 70 | 10.75 | 2.39 | 11.30 | 24.2 | 11.40 | 0.76 |
| L649320 | | <0.5 | 0.29 | 0.71 | 211 | 13 | 19.5 | 1.74 | 156 | 108 | 33.8 | 6.60 | 8.54 | 14.05 | 8.94 | <0.01 |
| L649321 | | <0.5 | 0.11 | 0.75 | 72 | 4 | 7.3 | 0.67 | 20 | 80 | 28.2 | 6.01 | 6.71 | 18.15 | 9.04 | 0.05 |
| L649322 | | 0.5 | 0.09 | 0.44 | 28 | 4 | 7.0 | 0.54 | 9 | 94 | 71.7 | 11.00 | 1.84 | 2.07 | 0.62 | 0.18 |
| L649323 | | <0.5 | 0.20 | 1.68 | 156 | 4 | 12.2 | 1.16 | 40 | 94 | 18.70 | 4.48 | 10.05 | 21.7 | 9.90 | 0.04 |
| L651834 | | <0.5 | 0.94 | 1.89 | 249 | 5 | 73.1 | 5.67 | 35 | 37 | 11.95 | 1.44 | 9.10 | 26.7 | 10.50 | 0.01 |
| L651835 | | <0.5 | 6.88 | 7.83 | 463 | 2 | 592 | 31.2 | 27 | 4 | 1.30 | 0.10 | 11.50 | 30.1 | 12.15 | 0.01 |
| L651836 | | <0.5 | 0.89 | 1.09 | 179 | 1 | 80.1 | 4.93 | 30 | 4 | 7.06 | 2.12 | 8.72 | 26.7 | 12.10 | 1.06 |
| L651837 | | <0.5 | 0.37 | 1.94 | 108 | 12 | 28.1 | 2.02 | 14 | 148 | 56.0 | 17.00 | 4.32 | 3.47 | 0.72 | 4.64 |
| L651838 | | <0.5 | 0.13 | 0.47 | 116 | 4 | 11.4 | 0.75 | 7 | 88 | 48.0 | 11.30 | 3.76 | 9.01 | 4.08 | 0.11 |
| L651839 | | <0.5 | 0.34 | 1.07 | 254 | 22 | 21.2 | 2.08 | 127 | 102 | 33.7 | 8.71 | 7.04 | 15.40 | 6.54 | 0.05 |
| L651840 | | 0.6 | 0.91 | 3.54 | 412 | 35 | 84.4 | 4.77 | 3130 | 75 | 37.9 | 9.01 | 35.5 | 0.19 | 0.25 | 0.08 |
| L651841 | | <0.5 | 0.58 | 4.21 | 162 | 97 | 38.7 | 3.67 | 141 | 321 | 36.5 | 10.20 | 4.50 | 15.00 | 6.31 | 0.37 |
| L651842 | | <0.5 | 0.58 | 4.72 | 132 | 34 | 48.1 | 3.31 | 1135 | 175 | 27.8 | 7.20 | 5.91 | 17.05 | 9.45 | 0.94 |
| L651843 | | <0.5 | 0.72 | 3.94 | 191 | 88 | 60.8 | 4.02 | 278 | 172 | 31.1 | 10.90 | 5.59 | 15.05 | 7.32 | 0.65 |
| L651844 | | <0.5 | 1.32 | 4.84 | 108 | 24 | 92.8 | 8.00 | 190 | 44 | 10.95 | 1.18 | 6.06 | 27.2 | 13.65 | 0.15 |
| L651845 | | <0.5 | 1.70 | 2.85 | 114 | 9 | 180.0 | 7.31 | 18 | 77 | 34.3 | 9.76 | 3.97 | 15.70 | 6.93 | 0.14 |
| L651846 | | <0.5 | 0.64 | 4.92 | 143 | 11 | 46.9 | 3.55 | 226 | 253 | 37.8 | 15.90 | 6.39 | 17.75 | 2.68 | 2.45 |
| L651847 | | <0.5 | 0.24 | 3.67 | 82 | 2 | 22.3 | 1.48 | 21 | 75 | 18.05 | 7.77 | 3.27 | 42.7 | 0.43 | 0.93 |
| L651961 | | <0.5 | 1.53 | 1.81 | 301 | 1 | 144.5 | 8.12 | 35 | 3 | 28.0 | 0.15 | 9.84 | 22.2 | 8.42 | <0.01 |
| L651962 | | <0.5 | 0.32 | 1.02 | 273 | 10 | 20.9 | 1.90 | 89 | 117 | 34.5 | 11.80 | 8.96 | 12.95 | 5.26 | 2.49 |
| L651963 | | <0.5 | 0.19 | 1.34 | 45 | 8 | 10.5 | 1.19 | 8 | 103 | 73.1 | 11.20 | 1.44 | 2.53 | 1.19 | 1.28 |

Comments: Low whole rock total confirmed by re-analysis.



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Project: REI11-02

CERTIFICATE OF ANALYSIS WH11128715

| Sample Description | Method Analyte Units LOR | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | OA-GRA05 | TOT-ICP06 | ME-AQ81 | ME-AQ81 | ME-AQ81 | ME-AQ81 | ME-AQ81 | ME-AQ81 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|---------|---------|---------|---------|---------|---------|
| | | K2O % | Cr2O3 % | TiO2 % | MnO % | P2O5 % | SrO % | BaO % | LOI % | Total % | Ag ppm | As ppm | Cd ppm | Co ppm | Cu ppm | Hg ppm |
| L649301 | | 5.03 | 0.10 | 1.16 | 0.50 | 0.27 | 0.09 | 0.05 | 15.50 | 91.8 | 1.6 | 29 | 0.5 | 27 | 37 | <1 |
| L649302 | | 7.21 | 0.07 | 1.12 | 0.41 | 0.41 | 0.10 | 0.04 | 16.10 | 93.8 | 3.2 | 43 | 1.7 | 21 | 25 | <1 |
| L649303 | | 0.48 | 0.01 | 0.14 | 0.54 | 0.29 | 0.08 | 0.05 | 41.8 | 97.5 | 1.4 | 7 | <0.5 | 4 | 5 | <1 |
| L649304 | | 1.56 | <0.01 | 1.89 | 0.17 | 0.28 | 0.06 | 0.02 | 9.59 | 98.7 | 0.6 | 6 | <0.5 | 38 | 50 | 1 |
| L649305 | | 8.00 | 0.01 | 0.14 | 0.09 | <0.01 | 0.01 | 0.11 | 7.93 | 99.9 | <0.5 | <5 | <0.5 | 1 | 4 | <1 |
| L649306 | | 5.14 | 0.15 | 1.29 | 0.15 | 0.59 | 0.05 | 0.05 | 17.35 | 99.3 | 0.6 | 28 | <0.5 | 60 | 57 | <1 |
| L649307 | | 7.80 | 0.01 | 0.13 | 0.05 | <0.01 | 0.01 | 0.03 | 5.85 | 99.8 | <0.5 | <5 | <0.5 | 1 | 2 | <1 |
| L649308 | | 6.32 | <0.01 | 0.14 | 0.19 | 0.05 | 0.03 | 0.04 | 18.35 | 99.7 | 0.5 | <5 | <0.5 | 2 | 2 | <1 |
| L649309 | | 0.66 | <0.01 | 0.15 | 0.18 | 0.05 | 0.06 | 0.03 | 32.8 | 99.4 | 0.6 | <5 | <0.5 | 1 | 1 | <1 |
| L649310 | | 0.44 | <0.01 | 0.10 | 0.16 | 0.01 | 0.04 | <0.01 | 34.4 | 99.5 | 0.6 | <5 | <0.5 | 4 | <1 | <1 |
| L649311 | | 0.07 | <0.01 | 0.01 | 0.31 | 0.04 | 1.17 | 0.06 | 27.6 | 90.9 | 10.3 | <5 | 3.2 | 2 | 4 | <1 |
| L649312 | | 0.90 | <0.01 | 0.02 | 0.08 | 0.35 | 0.87 | 0.02 | 0.69 | 78.7 | 4.9 | 33 | 2.3 | 15 | 27 | <1 |
| L649313 | | 4.95 | 0.01 | 1.78 | 0.34 | 0.59 | 0.29 | 0.14 | 4.69 | 99.3 | 1.0 | 27 | <0.5 | 16 | 7 | <1 |
| L649314 | | 7.17 | <0.01 | 0.68 | 0.09 | 0.11 | 0.73 | 0.38 | 3.84 | 98.6 | 2.1 | 12 | 0.8 | 11 | 23 | <1 |
| L649315 | | 0.37 | <0.01 | 0.02 | 0.33 | 0.14 | 1.26 | 0.05 | 23.0 | 88.6 | 13.0 | 14 | 11.1 | 4 | 12 | <1 |
| L649316 | | 8.53 | <0.01 | 0.13 | 0.01 | 0.01 | 0.01 | 0.04 | 1.49 | 100.0 | <0.5 | <5 | <0.5 | <1 | 2 | <1 |
| L649317 | | 6.64 | <0.01 | 0.05 | 0.05 | 0.05 | 0.01 | 0.29 | 4.09 | 98.2 | <0.5 | 10 | <0.5 | 2 | 2 | <1 |
| L649318 | | 4.23 | 0.01 | 0.11 | 0.07 | <0.01 | 0.02 | 2.65 | 5.29 | 97.6 | <0.5 | 7 | <0.5 | 2 | 84 | <1 |
| L649319 | | 0.40 | 0.01 | 0.08 | 0.49 | 0.02 | 0.05 | 0.01 | 37.0 | 98.9 | 1.1 | 13 | <0.5 | 3 | 8 | <1 |
| L649320 | | 3.24 | 0.18 | 1.30 | 0.15 | 0.20 | 0.05 | 0.13 | 21.9 | 99.1 | 0.6 | 100 | <0.5 | 73 | 44 | <1 |
| L649321 | | 4.90 | <0.01 | 0.30 | 0.22 | 0.02 | 0.03 | 0.03 | 27.2 | 101.0 | 0.6 | 7 | <0.5 | 4 | 5 | <1 |
| L649322 | | 9.04 | 0.01 | 0.12 | 0.05 | 0.01 | <0.01 | 0.03 | 4.15 | 101.0 | <0.5 | 6 | <0.5 | 2 | 2 | <1 |
| L649323 | | 3.25 | 0.01 | 0.08 | 0.36 | 0.01 | 0.03 | 0.01 | 31.6 | 100.0 | 0.5 | 6 | <0.5 | 3 | 10 | <1 |
| L651834 | | 1.13 | 0.01 | 0.17 | 0.43 | 0.05 | 0.05 | 1.70 | 33.1 | 96.3 | 1.1 | 11 | <0.5 | 5 | 14 | <1 |
| L651835 | | 0.07 | 0.01 | <0.01 | 0.62 | 2.35 | 0.07 | 0.10 | 40.1 | 98.5 | 1.0 | 7 | <0.5 | <1 | 115 | <1 |
| L651836 | | 0.10 | 0.01 | <0.01 | 0.40 | <0.01 | 0.14 | 2.84 | 36.6 | 97.9 | 1.0 | 5 | <0.5 | 1 | 181 | <1 |
| L651837 | | 6.71 | <0.01 | 1.12 | 0.04 | 0.31 | 0.02 | 0.21 | 3.14 | 97.7 | <0.5 | 7 | <0.5 | 8 | 8 | <1 |
| L651838 | | 9.16 | 0.01 | 0.13 | 0.15 | <0.01 | 0.03 | 0.28 | 13.05 | 99.1 | 0.6 | 6 | <0.5 | 2 | 3 | <1 |
| L651839 | | 5.03 | 0.20 | 1.79 | 0.26 | 0.01 | 0.03 | 0.04 | 21.4 | 100.0 | 1.0 | 51 | <0.5 | 45 | 66 | <1 |
| L651840 | | 6.73 | 0.10 | 1.93 | 0.07 | 0.17 | <0.01 | 0.12 | 6.38 | 98.4 | 0.6 | 151 | 0.8 | 68 | 89 | 1 |
| L651841 | | 7.18 | 0.10 | 1.16 | 0.20 | 0.26 | 0.08 | 0.07 | 15.75 | 97.7 | <0.5 | 64 | <0.5 | 22 | 19 | 1 |
| L651842 | | 4.60 | 0.09 | 0.73 | 0.53 | 0.28 | 0.18 | 0.06 | 19.75 | 94.6 | 0.8 | 56 | 3.3 | 26 | 45 | 1 |
| L651843 | | 5.75 | 0.13 | 1.46 | 0.34 | 0.37 | 0.07 | 0.07 | 18.80 | 97.6 | <0.5 | 33 | 0.5 | 31 | 23 | 1 |
| L651844 | | 0.68 | 0.02 | 0.65 | 0.82 | 0.35 | 0.16 | 0.01 | 35.2 | 97.1 | 0.7 | 44 | <0.5 | 8 | 89 | <1 |
| L651845 | | 8.13 | 0.01 | 0.89 | 0.16 | 0.45 | 0.03 | 0.04 | 18.50 | 99.0 | <0.5 | <5 | <0.5 | 8 | 8 | <1 |
| L651846 | | 3.94 | 0.01 | 1.32 | 0.29 | 0.46 | 0.37 | 0.21 | 11.55 | 101.0 | <0.5 | 33 | 0.7 | 8 | 7 | <1 |
| L651847 | | 1.41 | <0.01 | 0.17 | 0.14 | 0.04 | 0.45 | 0.12 | 22.0 | 97.5 | <0.5 | 10 | <0.5 | 4 | 29 | 1 |
| L651961 | | 0.06 | 0.01 | 0.01 | 0.52 | 0.26 | 0.05 | 1.02 | 29.6 | 100.0 | <0.5 | 7 | <0.5 | <1 | 585 | <1 |
| L651962 | | 3.19 | 0.03 | 1.42 | 0.15 | 0.29 | 0.05 | 0.08 | 17.95 | 99.1 | <0.5 | 10 | <0.5 | 37 | 114 | <1 |
| L651963 | | 3.55 | <0.01 | 0.14 | 0.04 | 0.03 | 0.01 | 0.09 | 4.17 | 98.8 | <0.5 | <5 | <0.5 | <1 | 3 | <1 |

Comments: Low whole rock total confirmed by re-analysis.



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Project: REI11-02

CERTIFICATE OF ANALYSIS WH11128715

| Sample Description | Method Analyte Units LOR | ME-AQ81 | ME-AQ81 | ME-AQ81 | ME-AQ81 |
|--------------------|--------------------------|---------|---------|---------|---------|
| | | Mo ppm | Ni ppm | Pb ppm | Zn ppm |
| | | 1 | 1 | 2 | 2 |
| L649301 | | 40 | 148 | 92 | 177 |
| L649302 | | 99 | 141 | 698 | 534 |
| L649303 | | 614 | 26 | 18 | 86 |
| L649304 | | 7 | 60 | 42 | 120 |
| L649305 | | 6 | 4 | 3 | 15 |
| L649306 | | 1 | 448 | 7 | 38 |
| L649307 | | 1 | 4 | <2 | 3 |
| L649308 | | 2 | 7 | 3 | 9 |
| L649309 | | <1 | 1 | 42 | 12 |
| L649310 | | 2 | 5 | 3 | 16 |
| L649311 | | 29 | <1 | 33 | 65 |
| L649312 | | 1045 | 4 | 30 | 93 |
| L649313 | | 40 | 35 | 4 | 320 |
| L649314 | | 73 | <1 | 200 | 45 |
| L649315 | | 170 | <1 | 123 | 862 |
| L649316 | | 2 | <1 | 2 | 6 |
| L649317 | | 2 | 8 | 2 | 2 |
| L649318 | | 4 | 3 | 6 | 8 |
| L649319 | | 21 | 21 | 13 | 36 |
| L649320 | | <1 | 370 | 11 | 104 |
| L649321 | | 16 | 22 | 5 | 16 |
| L649322 | | 3 | 8 | 6 | 4 |
| L649323 | | 14 | 9 | 6 | 35 |
| L651834 | | 39 | 24 | 23 | 24 |
| L651835 | | 1 | 9 | 11 | 20 |
| L651836 | | 1 | 10 | 11 | 20 |
| L651837 | | 3 | 6 | 22 | 2 |
| L651838 | | 7 | 4 | 5 | 3 |
| L651839 | | 3 | 262 | 16 | 82 |
| L651840 | | 26 | 616 | 48 | 2760 |
| L651841 | | 138 | 172 | 57 | 113 |
| L651842 | | 339 | 196 | 833 | 1165 |
| L651843 | | 69 | 132 | 52 | 212 |
| L651844 | | 444 | 46 | 159 | 178 |
| L651845 | | 3 | 29 | 8 | 8 |
| L651846 | | 232 | 20 | 6 | 213 |
| L651847 | | 15 | 5 | 7 | 19 |
| L651961 | | 6 | 9 | 8 | 28 |
| L651962 | | 1 | 71 | 4 | 70 |
| L651963 | | 1 | 1 | <2 | 2 |

Comments: Low whole rock total confirmed by re-analysis.



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Project: REI11-02

CERTIFICATE OF ANALYSIS WH11128715

| Sample Description | Method Analyte Units LOR | WEI-21 Recvd Wt. kg | ME-MS81 Ag ppm | ME-MS81 Ba ppm | ME-MS81 Ce ppm | ME-MS81 Co ppm | ME-MS81 Cr ppm | ME-MS81 Cs ppm | ME-MS81 Cu ppm | ME-MS81 Dy ppm | ME-MS81 Er ppm | ME-MS81 Eu ppm | ME-MS81 Ga ppm | ME-MS81 Gd ppm | ME-MS81 Hf ppm | ME-MS81 Ho ppm |
|--------------------|--------------------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | 0.02 | 1 | 0.5 | 0.5 | 0.5 | 10 | 0.01 | 5 | 0.05 | 0.03 | 0.03 | 0.1 | 0.05 | 0.2 | 0.01 |
| L651964 | | 0.68 | <1 | 4360 | 72.0 | 10.5 | 60 | 0.69 | 26 | 8.23 | 5.83 | 3.72 | 5.5 | 10.00 | 0.9 | 1.81 |
| L651965 | | 0.98 | <1 | 624 | 93.5 | 36.1 | 400 | 1.06 | 61 | 3.85 | 1.83 | 1.88 | 15.0 | 4.37 | 3.8 | 0.76 |
| L651966 | | 0.64 | <1 | 5530 | 110.5 | 6.3 | 40 | 0.53 | 14 | 3.05 | 1.05 | 2.33 | 19.1 | 6.00 | 3.0 | 0.48 |
| L651967 | | 0.93 | <1 | 2860 | 45.7 | 21.1 | 70 | 0.30 | 26 | 16.95 | 7.72 | 2.85 | 10.9 | 13.50 | 2.1 | 3.22 |
| L651968 | | 0.77 | <1 | 2000 | 25.0 | 34.8 | 120 | 0.04 | 270 | 4.75 | 2.33 | 1.37 | 3.0 | 4.73 | 1.0 | 0.92 |
| L651969 | | 1.26 | <1 | 185.0 | 35.3 | 62.6 | 660 | 0.31 | 102 | 2.19 | 1.19 | 1.12 | 16.0 | 2.70 | 4.5 | 0.43 |
| L651970 | | 0.87 | <1 | 336 | 297 | 32.1 | 660 | 0.66 | 14 | 4.60 | 2.62 | 2.34 | 15.1 | 3.65 | 3.7 | 0.94 |
| L651971 | | 1.20 | <1 | 572 | 400 | 36.9 | 800 | 7.65 | 55 | 8.44 | 4.11 | 4.82 | 14.2 | 9.37 | 3.3 | 1.64 |
| L651972 | | 0.89 | <1 | 193.0 | 3330 | 13.2 | 100 | 0.20 | 6 | 53.4 | 10.40 | 78.0 | 14.0 | 178.5 | 2.5 | 6.60 |
| L651973 | | 0.79 | <1 | 56.7 | 27.6 | 2.7 | 30 | 0.31 | <5 | 1.93 | 1.10 | 0.63 | 3.8 | 1.87 | 1.2 | 0.40 |
| L651974 | | 0.95 | <1 | 196.0 | 111.0 | 5.5 | 20 | 0.10 | 8 | 3.58 | 1.50 | 2.38 | 14.9 | 6.58 | 4.2 | 0.62 |
| L651975 | | 0.85 | <1 | 111.5 | 23.3 | 4.3 | 10 | 0.96 | <5 | 2.45 | 1.21 | 0.83 | 4.7 | 2.29 | 0.6 | 0.47 |
| L651976 | | 0.67 | <1 | 34.0 | 31.1 | 0.8 | 20 | 0.26 | <5 | 1.93 | 0.78 | 1.27 | 1.1 | 1.92 | 0.3 | 0.33 |
| L651977 | | 0.95 | <1 | 1600 | 192.0 | 10.9 | 80 | 4.39 | 7 | 5.48 | 2.99 | 3.02 | 21.9 | 5.89 | 2.6 | 1.08 |

Comments: Low whole rock total confirmed by re-analysis.



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CERTIFICATE OF ANALYSIS WH11128715

| Sample Description | Method Analyte Units LOR | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | |
|--------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| | | La ppm | Lu ppm | Mo ppm | Nb ppm | Nd ppm | Ni ppm | Pb ppm | Pr ppm | Rb ppm | Sm ppm | Sn ppm | Sr ppm | Ta ppm | Tb ppm | Th ppm |
| | | 0.5 | 0.01 | 2 | 0.2 | 0.1 | 5 | 5 | 0.03 | 0.2 | 0.03 | 1 | 0.1 | 0.1 | 0.01 | 0.05 |
| L651964 | | 36.9 | 1.35 | 9 | 131.0 | 42.9 | 64 | 30 | 9.99 | 56.8 | 14.35 | 5 | 315 | 2.9 | 1.36 | 60.9 |
| L651965 | | 57.4 | 0.31 | 2 | 91.8 | 37.6 | 146 | 10 | 10.75 | 173.0 | 6.76 | 1 | 476 | 5.6 | 0.67 | 11.35 |
| L651966 | | 66.4 | 0.15 | 21 | 37.7 | 40.8 | 44 | 33 | 11.85 | 148.5 | 10.20 | 3 | 60.1 | 2.0 | 0.69 | 72.2 |
| L651967 | | 24.5 | 0.77 | 2 | 65.9 | 24.2 | 70 | 10 | 6.04 | 94.1 | 8.66 | 1 | 312 | 1.7 | 2.71 | 41.3 |
| L651968 | | 12.6 | 0.38 | 2 | 38.6 | 13.8 | 268 | 12 | 3.41 | 18.2 | 4.69 | 2 | 256 | 0.8 | 0.83 | 16.40 |
| L651969 | | 19.0 | 0.27 | 3 | 260 | 16.1 | 482 | 7 | 4.36 | 123.0 | 3.62 | 7 | 181.5 | 4.0 | 0.40 | 20.7 |
| L651970 | | 257 | 0.49 | 44 | 96.6 | 72.1 | 177 | 91 | 27.8 | 186.0 | 9.12 | 5 | 553 | 2.9 | 0.77 | 36.6 |
| L651971 | | 275 | 0.56 | 86 | 87.5 | 122.0 | 320 | 28 | 41.5 | 243 | 18.45 | 5 | 569 | 3.8 | 1.57 | 15.15 |
| L651972 | | 2430 | 1.14 | 276 | 64.0 | 1145 | 81 | 17 | 332 | 34.0 | 288 | 2 | 880 | 0.7 | 16.10 | >1000 |
| L651973 | | 16.7 | 0.15 | 2 | 11.1 | 11.9 | 10 | 19 | 3.37 | 17.3 | 2.63 | 1 | 371 | 0.6 | 0.31 | 15.05 |
| L651974 | | 63.7 | 0.33 | 5 | 27.8 | 47.0 | 14 | 6 | 13.40 | 45.9 | 10.30 | 3 | 240 | 2.1 | 0.77 | 39.0 |
| L651975 | | 11.1 | 0.18 | <2 | 2.5 | 13.1 | 9 | 13 | 3.24 | 27.9 | 2.94 | <1 | 454 | 0.1 | 0.40 | 3.86 |
| L651976 | | 15.2 | 0.08 | <2 | 0.7 | 13.3 | <5 | <5 | 3.62 | 6.3 | 2.76 | <1 | 407 | <0.1 | 0.33 | 1.86 |
| L651977 | | 136.5 | 0.42 | 80 | 194.5 | 61.2 | 27 | 12 | 19.40 | 156.5 | 10.05 | 2 | 3350 | 5.3 | 0.92 | 34.6 |

Comments: Low whole rock total confirmed by re-analysis.



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CERTIFICATE OF ANALYSIS WH11128715

| Sample Description | Method Analyte Units LOR | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-MS81 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 |
|--------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
| | | Tl | Tm | U | V | W | Y | Yb | Zn | Zr | SiO2 | Al2O3 | Fe2O3 | CaO | MgO | Na2O |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % |
| | | 0.5 | 0.01 | 0.05 | 5 | 1 | 0.5 | 0.03 | 5 | 2 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| L651964 | | <0.5 | 1.25 | 0.38 | 159 | 10 | 66.6 | 8.45 | 26 | 14 | 46.9 | 2.73 | 4.12 | 16.60 | 7.02 | <0.01 |
| L651965 | | <0.5 | 0.32 | 2.05 | 224 | 16 | 21.5 | 1.80 | 60 | 156 | 35.8 | 11.65 | 7.92 | 12.30 | 6.40 | 0.01 |
| L651966 | | <0.5 | 0.17 | 1.09 | 57 | 3 | 14.7 | 0.99 | 15 | 59 | 76.6 | 9.43 | 4.86 | 0.13 | 0.15 | 0.03 |
| L651967 | | <0.5 | 1.14 | 1.42 | 131 | 19 | 96.2 | 5.44 | 371 | 59 | 49.7 | 7.45 | 6.61 | 11.15 | 3.76 | 0.14 |
| L651968 | | <0.5 | 0.41 | 0.35 | 100 | 7 | 26.2 | 2.21 | 120 | 35 | 25.3 | 1.44 | 9.19 | 22.7 | 9.19 | 0.05 |
| L651969 | | <0.5 | 0.23 | 1.67 | 408 | 30 | 15.2 | 1.52 | 70 | 136 | 40.2 | 9.10 | 4.55 | 14.40 | 5.50 | 0.07 |
| L651970 | | <0.5 | 0.50 | 2.61 | 181 | 70 | 30.1 | 2.91 | 147 | 188 | 36.1 | 9.93 | 4.24 | 14.65 | 6.94 | 0.77 |
| L651971 | | 0.9 | 0.72 | 2.89 | 182 | 21 | 56.5 | 3.85 | 299 | 143 | 36.8 | 9.65 | 7.22 | 11.15 | 9.92 | 2.93 |
| L651972 | | <0.5 | 1.52 | 9.60 | 126 | 36 | 173.5 | 7.63 | 123 | 131 | 20.2 | 2.13 | 5.54 | 23.6 | 11.25 | 0.11 |
| L651973 | | <0.5 | 0.18 | 1.76 | 40 | 7 | 14.2 | 1.00 | 308 | 43 | 11.15 | 2.82 | 2.17 | 27.8 | 16.45 | 1.29 |
| L651974 | | <0.5 | 0.30 | 1.20 | 159 | 3 | 18.2 | 1.82 | 11 | 129 | 41.2 | 6.50 | 6.15 | 14.40 | 6.72 | 1.67 |
| L651975 | | <0.5 | 0.20 | 0.29 | 30 | 3 | 15.5 | 1.08 | 26 | 22 | 25.6 | 2.53 | 6.70 | 25.2 | 8.22 | 0.07 |
| L651976 | | <0.5 | 0.10 | 0.06 | <5 | 1 | 11.3 | 0.67 | <5 | 10 | 63.9 | 1.08 | 0.73 | 18.40 | 0.33 | 0.32 |
| L651977 | | <0.5 | 0.50 | 5.81 | 103 | 5 | 35.2 | 3.25 | 130 | 158 | 37.3 | 15.00 | 6.06 | 19.70 | 2.79 | 2.28 |

Comments: Low whole rock total confirmed by re-analysis.



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 VANCOUVER BC V6C 1E5

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Project: REI11-02

CERTIFICATE OF ANALYSIS WH11128715

| Sample Description | Method Analyte Units LOR | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | ME-ICP06 | OA-GRA05 | TOT-ICP06 | ME-AQ81 | ME-AQ81 | ME-AQ81 | ME-AQ81 | ME-AQ81 | |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|---------|---------|---------|---------|---------|--------|
| | | K2O % | Cr2O3 % | TiO2 % | MnO % | P2O5 % | SrO % | BaO % | LOI % | Total % | Ag ppm | As ppm | Cd ppm | Co ppm | Cu ppm | Hg ppm |
| L651964 | | 1.33 | 0.01 | 0.49 | 0.27 | 0.04 | 0.04 | 0.51 | 21.2 | 101.5 | <0.5 | 13 | <0.5 | 7 | 28 | <1 |
| L651965 | | 4.40 | 0.05 | 1.54 | 0.15 | 0.31 | 0.06 | 0.07 | 19.70 | 100.5 | <0.5 | 13 | <0.5 | 29 | 69 | <1 |
| L651966 | | 6.72 | 0.01 | 0.08 | 0.01 | 0.03 | 0.01 | 0.65 | 1.08 | 99.8 | <0.5 | 14 | <0.5 | 6 | 14 | <1 |
| L651967 | | 5.61 | 0.01 | 1.00 | 0.20 | 0.29 | 0.04 | 0.37 | 14.85 | 101.0 | <0.5 | 41 | 1.1 | 17 | 31 | <1 |
| L651968 | | 0.83 | 0.02 | 0.26 | 0.35 | 0.02 | 0.03 | 0.26 | 30.3 | 99.9 | <0.5 | 179 | <0.5 | 29 | 340 | 1 |
| L651969 | | 6.41 | 0.10 | 2.09 | 0.16 | <0.01 | 0.02 | 0.02 | 16.65 | 99.3 | <0.5 | 362 | <0.5 | 54 | 127 | 1 |
| L651970 | | 6.84 | 0.10 | 0.94 | 0.23 | 0.17 | 0.07 | 0.04 | 18.90 | 99.9 | <0.5 | 28 | <0.5 | 27 | 17 | 1 |
| L651971 | | 3.40 | 0.12 | 1.07 | 0.31 | 0.25 | 0.07 | 0.07 | 16.70 | 99.7 | <0.5 | 33 | <0.5 | 31 | 63 | <1 |
| L651972 | | 1.37 | 0.01 | 0.23 | 0.44 | 0.21 | 0.11 | 0.02 | 31.2 | 96.4 | 1.5 | <5 | <0.5 | 9 | 6 | 1 |
| L651973 | | 0.43 | <0.01 | 0.17 | 0.11 | 0.03 | 0.05 | 0.01 | 38.6 | 101.0 | <0.5 | 9 | 0.9 | 1 | 3 | <1 |
| L651974 | | 2.72 | <0.01 | 0.06 | 0.15 | 0.01 | 0.03 | 0.02 | 20.5 | 100.0 | <0.5 | 8 | <0.5 | 4 | 8 | <1 |
| L651975 | | 0.69 | <0.01 | 0.08 | 0.27 | 0.16 | 0.06 | 0.01 | 31.5 | 101.0 | <0.5 | <5 | <0.5 | 2 | 6 | 1 |
| L651976 | | 0.16 | <0.01 | 0.01 | 0.06 | <0.01 | 0.05 | <0.01 | 15.75 | 101.0 | <0.5 | <5 | <0.5 | <1 | 2 | <1 |
| L651977 | | 3.58 | 0.01 | 0.74 | 0.24 | 0.23 | 0.41 | 0.19 | 12.15 | 100.5 | <0.5 | 17 | 0.5 | 8 | 12 | 1 |

Comments: Low whole rock total confirmed by re-analysis.



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CERTIFICATE OF ANALYSIS WH11128715

| Sample Description | Method Analyte Units LOR | ME-AQ81 | ME-AQ81 | ME-AQ81 | ME-AQ81 |
|--------------------|-----------------------------------|----------------|----------------|----------------|----------------|
| | | Mo ppm 1 | Ni ppm 1 | Pb ppm 2 | Zn ppm 2 |
| L651964 | | 7 | 39 | 28 | 17 |
| L651965 | | 1 | 63 | 8 | 32 |
| L651966 | | 18 | 42 | 34 | 10 |
| L651967 | | 2 | 60 | 8 | 380 |
| L651968 | | 1 | 233 | 11 | 129 |
| L651969 | | 2 | 393 | 6 | 47 |
| L651970 | | 35 | 141 | 103 | 131 |
| L651971 | | 74 | 281 | 25 | 282 |
| L651972 | | 223 | 64 | 29 | 107 |
| L651973 | | 2 | 8 | 19 | 335 |
| L651974 | | 4 | 11 | 6 | 10 |
| L651975 | | 1 | 7 | 9 | 22 |
| L651976 | | <1 | 1 | 3 | 3 |
| L651977 | | 68 | 26 | 10 | 133 |

Comments: Low whole rock total confirmed by re-analysis.

Appendix E: Compact Disc

Report text, geochemical and drill databases, geophysical files, drafting and plot files, photographs

Appendix F: Geologist's Certificate

GEOLOGIST'S CERTIFICATE

David Swanton
402-1595 East 6th Ave.
Vancouver, BC, Canada
daves@equityexploration.com

I, David Swanton, do hereby certify that:

- I am a Project Geologist with Equity Exploration Consultants Ltd, with offices at Suite 200-900 West Hastings St., Vancouver, British Columbia.
- I am a graduate of the University of British Columbia (2004) with a Bachelor of Science degree and of Acadia University (2010) with a Master of Science degree in Geology.
- I am a registered Member-in-Training (MIT) of the Association of Professional Geoscientists of Nova Scotia
- I have been involved in the mineral exploration industry since 2006.
- I supervised the 2011 exploration program on the Xeno property and have first-hand field knowledge of said property.

Dated at Vancouver, British Columbia, this _____ day of _____, 2012.



David Swanton, M.Sc.