Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources
GEOLOGICAL SURVEY BRANCH

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TITLE OF REPORT [type of survey(s)]: Geochemical and Geophysical

TOTAL COST: $43,326.17

AUTHOR(S): RICHARD LODMELL, LARRY D. LUTJEN

SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

YEAR OF WORK: 2001-2002

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S): 3175991 - Feb. 6, 2002

PROPERTY NAME: GM Claim Group

CLAIM NAME(S) (on which work was done): GM1, GM2, M3, GM4, GM5, GM6, GM8, GM9, GM12 and GM13

COMMODITIES SOUGHT: Copper, Molybdenum, Gold, Platinum, Palladium

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Kamloops

NTS: 92I/06E and 92I/05E

LATITUDE: 50 ° 37 ' 5 "

LONGITUDE: 120 ° 28 ' " (at centre of work)

OWNER(S)

1) Gold Mask Ventures Ltd.

2)

MAILING ADDRESS

Box 1192
Kamloops, BC
V2C 6H3

OPERATOR(S) [who paid for the work]

1) Gold Mask Ventures Ltd.

2)

MAILING ADDRESS

Box 1192
Kamloops, BC
V2C 6H3

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

PLEASE SEE ATTACHED

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: N/A

26848

(OVER)

| 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 | | | |
| Photo interpretation | | | |
| GEOPHYSICAL (line-kilometres) | | | |
| Ground | | | |
| Magnetic | | | |
| Electromagnetic | | | |
| Induced Polarization | | | |
| Radiometric | | | |
| Seismic | | | |
| Other | Self Potential - 15.5 Km | GM 1 to 6, 8 & 9 and 12 & 13 | |
| Airborne | | | |
| GEOCHEMICAL (number of samples analysed for ...) | | | |
| Soil | 416 Terrasol Multi Element | Same | |
| Silt | | | |
| Rock | | | |
| Other | | | |
| DRILLING (total metres; number of holes, size) | | | |
| Core | | | |
| Non-core | | | |
| RELATED TECHNICAL | | | |
| Sampling/assaying | | | |
| Petrographic | | | |
| Mineralographic | | | |
| Metallurgic | | | |
| PROSPECTING (scale, area) | | | |
| PREPARATORY/PHYSICAL | | | |
| Line/grid (kilometres) | 1.5 Km Baseline, 15.5 Km Gridlines | Same | |
| Topographic/Photogrammetric (scale, area) | | | |
| Legal surveys (scale, area) | | | |
| Road, local access (kilometres)/trail | | | |
| Trench (metres) | | | |
| Underground dev. (metres) | | | |
| Other | | | |
| | | TOTAL COST | $ 43,326.17 |

## GENERAL OBSERVATIONS AND GEOLOGICAL FRAMEWORK

From a brief examination, during my one-day field visit, of recent core from drill holes beneath the Afton pit it would seem that there is potential for Pd mineralization within the area in general, in addition to concealed Cu/Mo/Au porphyry deposits. Of note is the fact that the Pd mineralization is considered to be associated with mafic rocks, and the GM claim blocks incorporate land that previous workers have interpreted to be underlain by mafic volcanics.

The GM claim blocks comprise an area of rolling hills with a vegetation cover dominated by Ponderosa pine and Douglas fir in an open parkland environment at an elevation of 2700' (approx. 920m a.s.l.). The general consistency to the pale brown colour, silty texture and depth of soil profiles renders the soils as an appropriate medium for collection and inter-site comparisons of analytical data. In some areas, notably draws, the soils are a little more enriched in clays. There are several open areas devoid of trees and shrubs that are present as topographic depressions. One of these was examined, and a soil pit was dug. At a depth of about 1 m the soil was still very rich in organic material. Such areas were avoided and sampled only on their margins in order to obtain soils of a similar nature to the rest of the claim blocks.

The GM claim blocks are covered almost entirely with a blanket of glacial till. The only outcrop has been described as a mafic tuff (Sugar Loaf unit) near the eastern limit of the survey area (L.900S, 500E). Geological work by others suggests that the tills overlie mostly mafic volcanic rocks of the Upper Triassic Nicola Group with the predicted contact with the Iron Mask batholith (Triassic/Jurassic) in the northeastern corner of the survey area. This contact is represented by the Cherry Creek Fault – a major northwest-trending lineament (Kwong, 1987; Monger, 1989). Rocks of the Nicola Group from the general area are known to comprise metabasalts, meta-andesites and tuffs which, at the fault contact, are predicted to be juxtaposed to the Sugar Loaf unit of the Iron Mask batholith comprising porphyritic hornblende +/- augite microdiorite (Kwong, 1987). Ultramafic picrite outcrops approx. 2 km northwest of the survey area.

Geophysical work carried out by Gold Mask Ventures had indicated several magnetic anomalies of interest, but their significance needs to be established. Diamond drilling, overburden drilling, trenching, or geochemical surveys can only effectively carry this out. Because the drilling and trenching will be expensive, it was recommended that they only be undertaken following closer refinement of the anomalous levels of Pd, Pt, Au and base metals that were established during our orientation surveys It was recommended that in order to refine these targets an appropriate geochemical exploration survey should be undertaken.

# GOLD MASK LTD.

## GEOCHEMICAL AND GEOPHYSICAL ASSESSMENT REPORT ON THE GM CLAIM GROUP TO FEBRUARY 6, 2002



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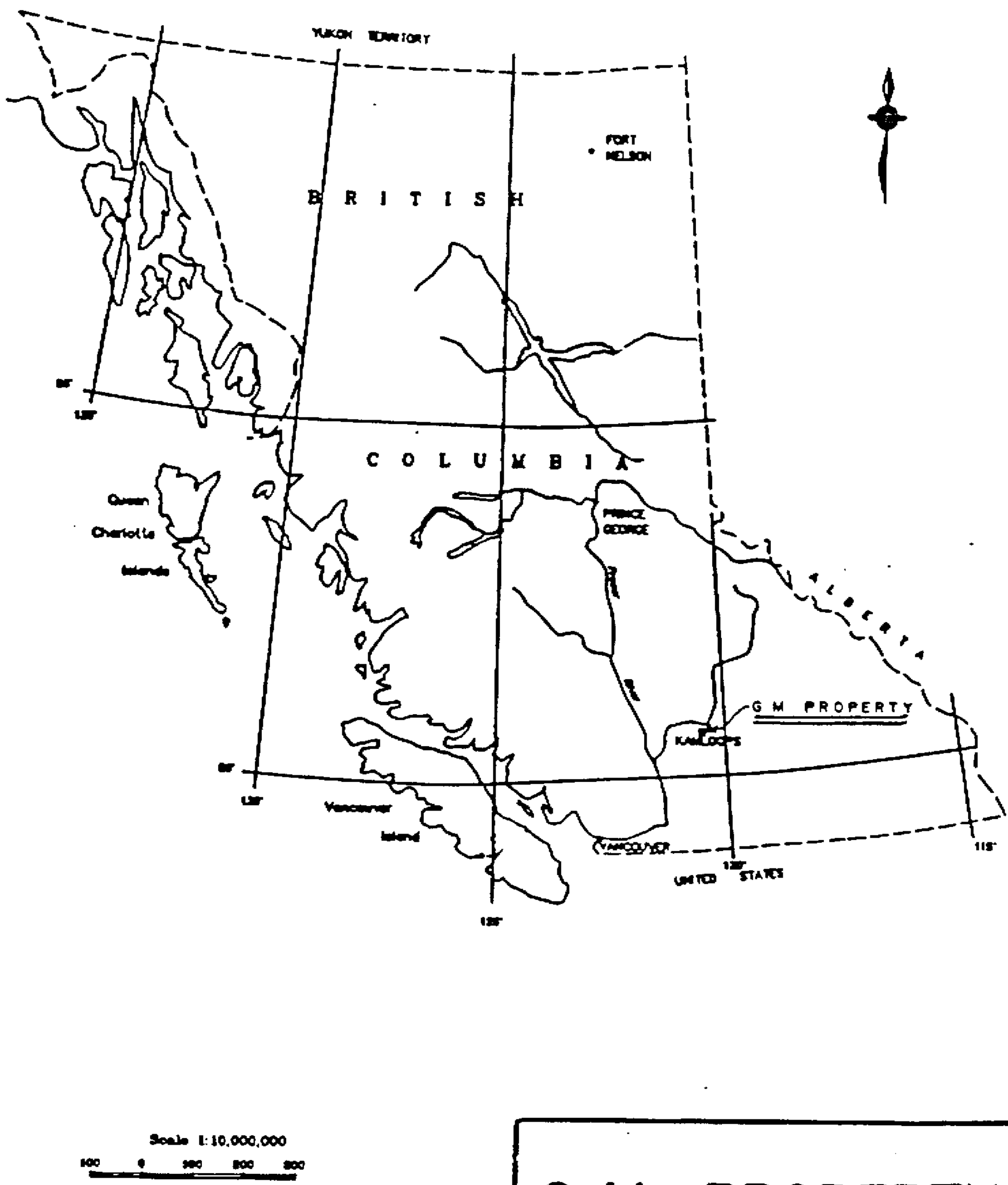
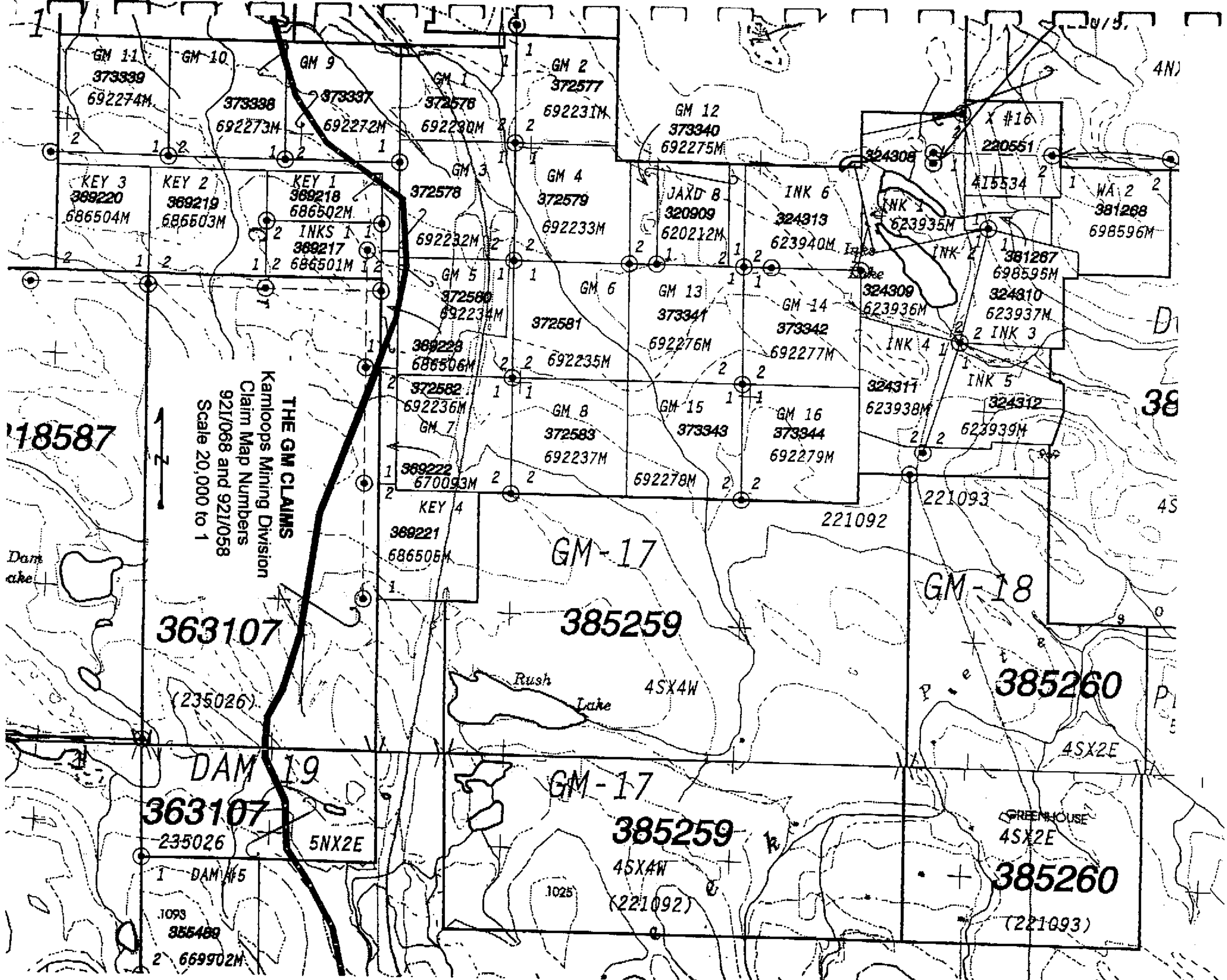



# G M PROPERTY

## LOCATION MAP


THE GM CLAIMS
Kamloops Mining Division
Claim Map Numbers
92I/068 and 92I/058
Scale 20,000 to 1
GM 11
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GM 10
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GM 9
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GM 1
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GM 2
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WA 2
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GM 4
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DAM 19
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235026
5NX2E
GM-17
385259
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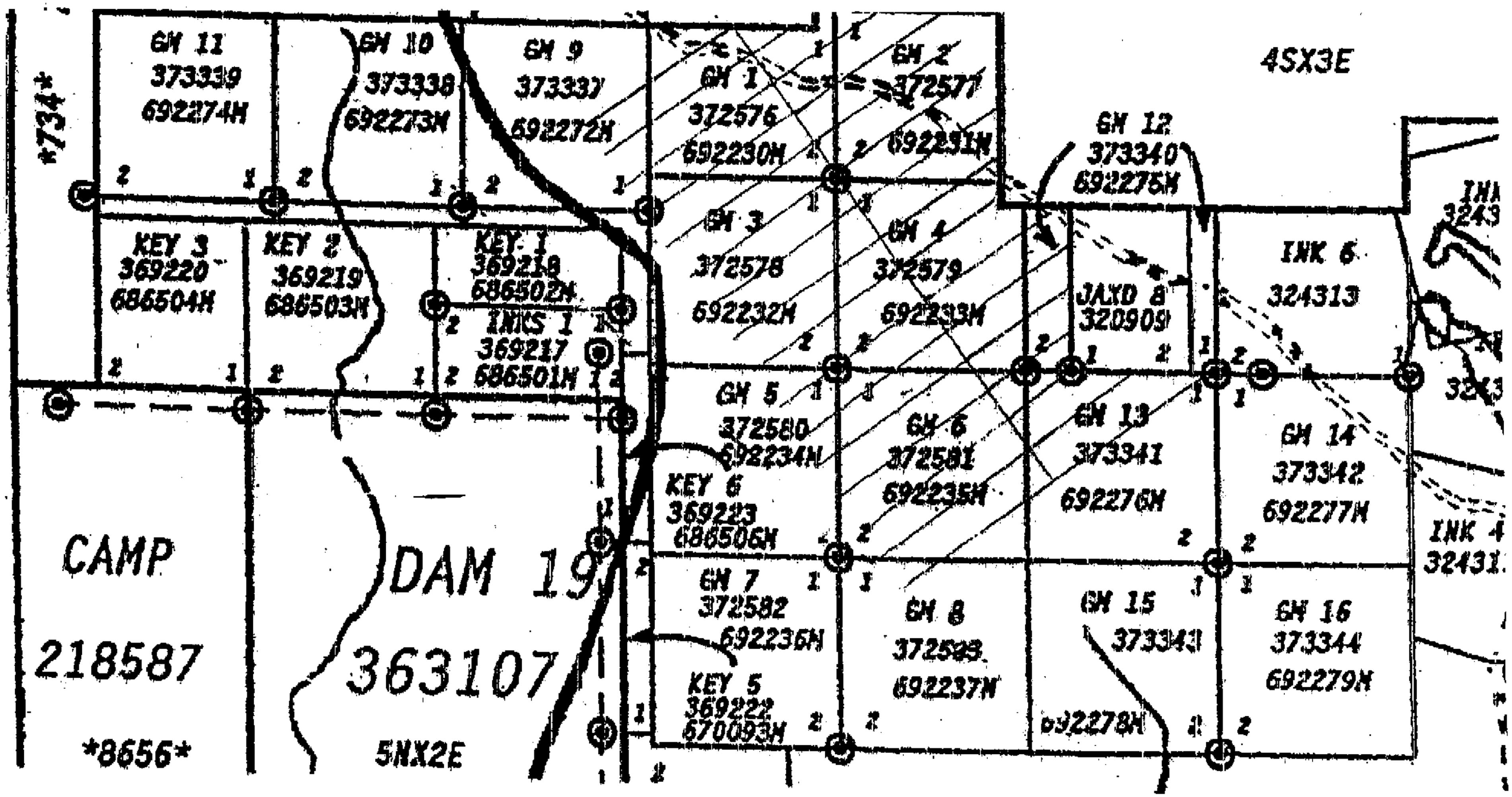
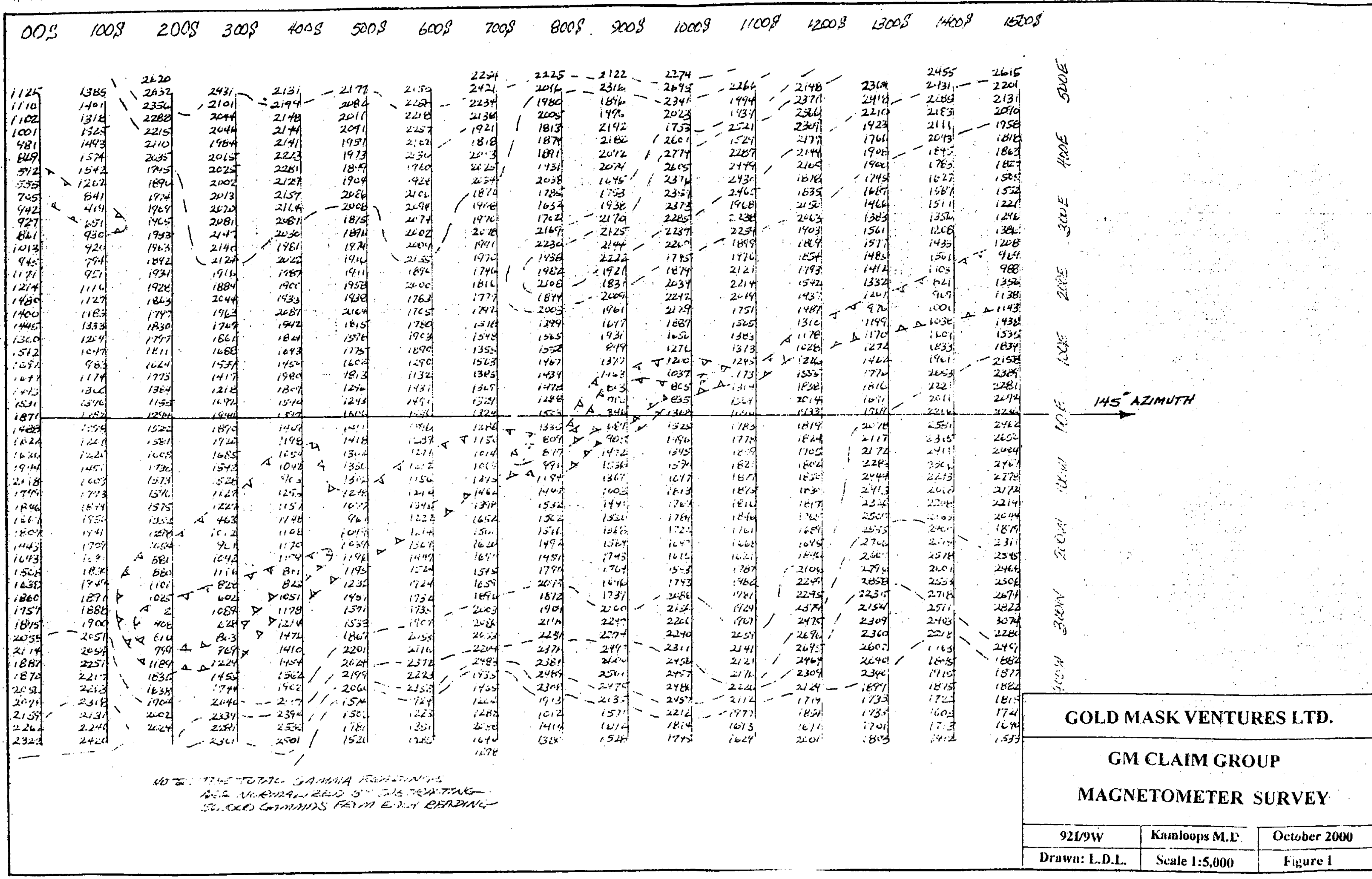



The Exploration Grid Location Map
The Baseline is 1.5 km

The Afton Haul Road - ---- - This road follows along the contact of the Nicola Mafic / Ultramafic rocks with the Iron Mask Batholith.




This plate defines the magnetometer low that is referred to on the terra sol plates

This work was done 2002

# Colin E. Dunn, PhD, P.Geo

*Consulting Geologist/Geochemist*
*8756, Pender Park Drive, SIDNEY, BC, V8L 3Z5, CANADA*
***(Tel. 250-655 9498)***
***(Fax. 250-655 9408)***
***e-mail colindunn@shaw.ca***


Richard Lodmell
Gold Mask Ventures
PO Box 1192
Stn. Main
Kamloops
BC V2C 3K4

13th March 2002

Dear Richard and Larry

I am pleased to submit, herewith, my report on the Terrasol geochemical data obtained on the soil samples from your GM claim blocks. There are some interesting patterns of element distributions and associated suites of elements that appear to make geological and mineralogical sense. This should be considered a first pass assessment of the data, since, as your program develops, I'm sure some of the concepts will evolve. Just to reiterate, keep in mind that from a selective leach dataset of this sort there is no way of assessing whether the 'highs' indicate significant mineralization or just sub-economic geochemical associations. Also, don't just focus on the highs – 'lows' surrounded by a series of 'highs' can be equally significant. As with any exploration program, the final assessment can only come from the drill. The factors that I consider to be of particular interest are the multi-element associations that provide encouragement for further investigation.

As mentioned both on the phone and in my e-mail of yesterday, I can provide the maps in digital form on a CD – let me know the format that you prefer and I can prepare copies for you.

I hope you find the data of use in your exploration program. Please advise me if I can be of further assistance.

Yours sincerely

Colin E. Dunn

# EXECUTIVE SUMMARY

Selective leaching of soil samples provides a means to determine concealed zones of metal enrichment. The PGE TerraSol$^{sm}$ technique offered by Activation Laboratories (ActLabs) relies on a weak acid attack of mostly manganese and iron oxide coatings to soil particles, upon which elements that have migrated upward from zones of metal enrichment may become loosely attached. They are typically present in the ppb range and, once released by selective leaching, can be determined and quantified by inductively-coupled plasma mass spectrometry (ICP-MS).

The GM claim blocks are almost entirely covered by a blanket of glacial deposits such that short of drilling and trenching, exploration must rely upon geophysical and geochemical methods to assist in locating zones of metal enrichment. Further to positive geophysical indications established by Gold Mask Ventures, soils were collected from 359 stations within a 1km x 1.5km block and submitted to ActLabs for PGE TerraSol$^{sm}$ determinations of 60 elements by ICP-MS.

Since the method involves a selective leach, absolute concentrations are not of importance, but analytical precision (reproducibility) is imperative for meaningful interpretation of the multi-element distribution patterns – both positive and negative. After several iterations to obtain stable data, a dataset of adequate quality was obtained. Each element was gridded by kriging and percentile values determined for plotting. In addition, kriged data, unconstrained by percentile values, were forwarded to ActLabs for their interpretation of the element distribution patterns.

The data show that most of the slightly elevated precious metal values, although all close to the detection limit, occur in the northern part of the survey area.

Elevated levels of many elements, including Cu, Mo, Re, As and Hg, occur close to the northwesterly trend of the haulage road. A review of the multi-element associations (high and low values) suggests that this trend is not an artifact of road construction or contamination, but is probably reflecting the location of the Cherry Creek Fault and, therefore, the contact between the Iron Mask batholith to the NE with the Nicola volcanics. Multi-element patterns, notably Hg, also suggest a conjugate set of faults that trend at ~60°.

Nickel closely follows the trend of the main magnetic low, which is flanked on both sides by elevated levels of the high field strength elements niobium, titanium and zirconium.

In the centre of the survey area, within the magnetic low, several elements, including Cu, Mo, V, U, W, Re, As, Sr (with traces of Au and Pt), have elevated levels suggesting the presence of a concealed zone of metal enrichment. However, field notes should be checked to ensure that soil samples did not have an elevated organic content, because organic material can scavenge many of the elements that have elevated concentrations in this area.

In the southwest part of the survey area there appears to be a chalcophile association of elements (Cd, Zn, Pb, Ga, In, Co, Se, Pd) that indicate the possible presence of a zone with concealed sulphide enrichment.

A compilation map (Fig.13) shows an interpretation of the geochemical data. Breaks in geochemical trends suggest that there may be concealed northeast-trending faults that appear to have a dextral offset of about 100m. Five principal zones of interest are shown that would be worthy of closer investigation.

As exploration progresses, the TerraSol data should be reviewed to further refine and extract the information contained within the wealth of numbers and to determine the relevance of the patterns to the underlying geology.

PROFESSIONAL GEOSCIENTIST
C.E. DUNN
MEMBER 4100
02 03 13
YR. MN. DAY
SASKATCHEWAN

*Colin E. Dunn*

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March 2002

# CONTENTS



# FIGURES

# Appendix 1



# Appendix 2

Element plots – listed alphabetically by element

## 1.0 Introduction

On Friday 28th September 2001 I had the opportunity to drive and walk around much of GM claim blocks that comprise the area of the survey covered by this report. This served to provide the basis for the comments and recommendations that I submitted in my letter of opinion dated 29th September 2001. Of particular value were observations of the many soil pits dug during the day at scattered and representative locations over your property. These built upon my review of some preliminary geochemical data (pine bark and soils) that you sent me earlier in the year. Also taken into consideration are the results of my field experience in the general vicinity of your claim blocks.

## 2.0 Background to the Present Survey

### 2.1 Location

The northern end of the GM claim blocks are located 10 km southwest from the centre of Kamloops and 1 km south of Sugar Loaf Hill on NTS map 92I/9W (Fig. 1). The Trans Canada (Coquihalla) highway is located close to the western margin of the claim blocks.

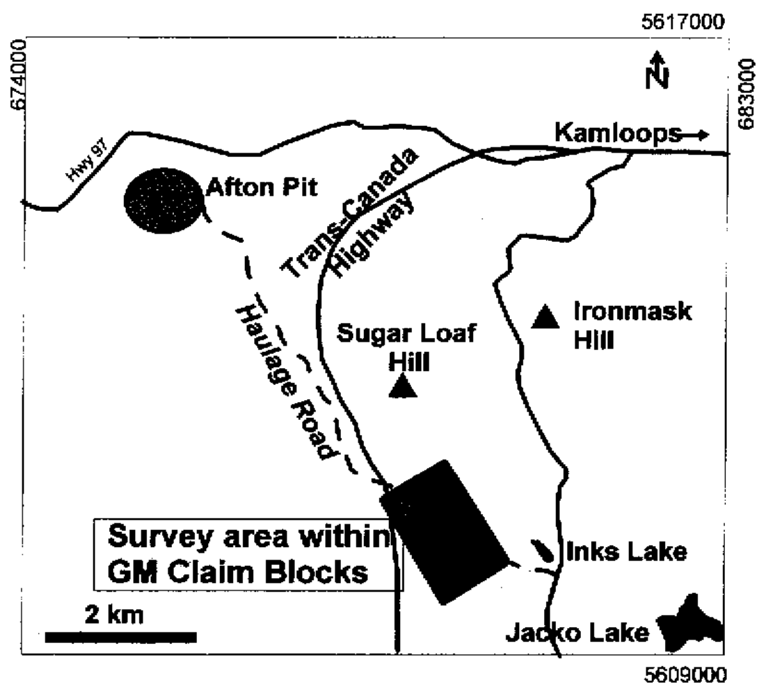


**Fig. 1 Sketch Map showing location of soil survey area**

### 2.2 General Observations and Geological Framework

From a brief examination, during my one-day field visit, of recent core from drill holes beneath the Afton pit it would seem that there is potential for Pd mineralization within the area in general, in addition to concealed Cu/Mo/Au porphyry deposits. Of note is the fact that the Pd mineralization is considered to be associated with mafic rocks, and the GM claim blocks incorporate land that previous workers have interpreted to be underlain by mafic volcanics.

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Geophysical work carried out by Gold Mask Ventures had indicated several magnetic anomalies of interest, but their significance needs to be established. Diamond drilling, overburden drilling, trenching, or geochemical surveys can only effectively carry this out. Because the drilling and trenching will be expensive, it was recommended that they only be undertaken following closer refinement of the anomalous levels of Pd, Pt, Au and base metals that were established during your orientation surveys. It was recommended that in order to refine these targets an appropriate geochemical exploration survey should be undertaken.

**2.3 Geochemical Surveys**

The following rationale was put forward:

- Only one rock outcrop is known, therefore pre-empting the possibility of conducting a lithogeochemical survey.
- The overburden cover is largely glacial till, which is material that has been transported from some considerable distance and is, therefore, exotic. A till geochemical survey may contribute useful knowledge on the vectors of transport and may help in locating the sources of precious metal-rich material. However,

this is a fairly expensive type of survey that is unlikely to provide significant new exploration targets within the claim blocks.

- Conventional soil surveys (e.g. ICP-ES analysis of an aqua regia digestion of a –80 mesh soil sample) will only provide data on the soil profile developed on top of the till cover. Thus, it will be mostly a reflection of the chemistry of the exotic till material and will probably not add significant information to assist in locating any concealed base and precious metals that might be present on the property
- Studies have shown that there are high concentrations of various metals (notably Cu, Au, Ni, Pd) in pine bark from the survey area. Work carried out by the GSC several years ago established the Cu, Ni and Au enrichments, and the orientation surveys undertaken by Gold Mask Ventures have confirmed these high values and shown, for the first time, that Pd enrichment is present. Because the tree roots penetrate the soils to a modest depth, and integrate the geochemical signature of the loosely bound components of these soils, a systematic survey of the area using pine bark could provide new information of value to the exploration program. Since the roots attack the loosely bound metals, they do, in effect, perform a selective leach of the soils. However, the area of the claim blocks has been affected by the extensive mining activities of the past century, and it appears likely that some of the metal enrichments are attributable to airborne contamination – either direct precipitation of metal-bearing dust onto the bark, or precipitation on to the ground with subsequent dissolution and uptake by the tree roots. Furthermore, examination of the property shows that there is probably inadequate coverage of pine to conduct a comprehensive biogeochemical survey. An alternative would be to use the bark of Douglas fir, which is more evenly distributed over the claim blocks.
- Another approach suggested was to collect soils for a selective leach of metals. Most of these leach methods operate on the principle that metals move upward from concealed zones of mineralization (by diffusion, capillary action, galvanic cells, or seismic pumping), perhaps as nanoparticles and are captured on the charged surfaces of amorphous oxide coatings of soil grains – primarily Mn and Fe oxides. There are many commercially available selective leach methods – e.g. enzyme leach, hydroxylamine hydrochloride, MMI (mobile metal ions). A relatively new method is the PGE-Terrasol leach offered by Activation Laboratories Ltd. of Ancaster, Ontario. The Terrasol is a somewhat more rigorous acid attack than most other leaches, and has the particular advantage that it selectively leaches most of the precious metals. In addition, the ICP-MS analysis of the solutions provides data for more than 50 additional elements, some of which may be useful 'pathfinder' elements for locating mineralization. This technique has not been extensively tested, but it has been proven to be of use for defining PGE mineralization at the West Rambler deposit in Wyoming and Cu porphyry mineralization in Arizona.

**2.4 Recommendations**

In light of the above, it was recommended that, as a preliminary test, soil samples should be collected from the B-horizon (generally at a depth of 10-15 cm, as demonstrated in the field) at intervals of 100m along lines spaced 100 m apart, throughout the extent of the established grid of approximately 1000 m by 1500 m. At approximately every 20th site (or less) a duplicate sample should be collected from a second soil pit dug about 1 m from the first. Samples should be placed in standard 'kraft' soil bags, half to ¾ filling the bag. Samples should be clearly labelled and no sample preparation should be undertaken before sending them to Activation Laboratories Ltd for analysis by their PGE-Terrasol technique. Activation Laboratories Ltd. has the highest available accreditation of any laboratory in the country (ISO 17025) and is one of the world's leading analytical facilities – especially for exploration geochemistry. It was strongly recommended that prior to submitting samples for analysis some control ('standard') samples should be inserted – at least one sample in each batch of 20. If possible, a bulk field sample should be collected (e.g. from a site at which elevated levels of Pt and Pd in the soil had been established). This provides control on precision of the analytical data. Ideally, several kilograms of material should be collected, sieved to –80 mesh and thoroughly homogenized.

In my report of 29th September it was stressed that users of PGE-Terrasol should appreciate that, although the technique *may* provide near total concentrations of the precious metals, it is a *selective* extraction, and therefore the results do not indicate the total content of metals in the samples. The extraction attacks primarily the amorphous manganese and iron coatings to soil particles, and attacks also some of the crystalline phases of Mn and Fe. Metals released from concealed zones of mineralization are considered to move upward (through either diffusion, capillary action, electrochemical cells or seismic pumping) and become trapped on the 'chemical sponge' of the oxide coatings of the soils. It is not possible to quantify element concentrations to the point that a certain level can be declared as indicative of mineralization. The technique is one of *pattern recognition* that takes a trained eye to interpret the patterns. Multi-element patterns must be examined and the spatial relationship of inter-element associations ascertained (both positive and negative values) in relation to other geological and geophysical parameters. The process is one of stacking the entire geoscience information base to provide vectors toward potential concealed mineralization. It is possible that encouraging multi-element signatures reflect geochemical signatures of slight element enrichment that are not economically viable. Only drilling and rock analysis will confirm the economic status of subtle enrichments in the surface materials.

It was recommended that once data are received they should be carefully evaluated for precision and accuracy (by examining the analyses of the duplicates and control samples), and then plotted as maps. Subsequently, any trends or anomalies that appear to be of significance should be more closely examined. Any further action at that time will depend on the nature and extent of any multi-element associations.

## 3.0 Sample Collection and Analysis

Richard Lodmell and Larry Lutjen undertook soil sample collection. I am informed that samples were collected at depths of 10-15 cm from 359 pits 40m apart along 15 lines

100m apart, trending northeast throughout several of the GM claim blocks. Figure 2 shows the sample locations with respect to the approximate location of the haulage road, the outline of a magnetic low established by Larry Lutjen, and the predicted geological substrate beneath the till cover, based on previous studies (e.g. Kwong, 1987).

Duplicate samples were not collected, but a bulk sample was obtained, homogenized and split into 15 portions for inclusion at regular intervals within the sample sequence as an over all control on analytical precision. Samples were submitted directly to ActLabs in Ancaster. I did not see the sample collection, but I am assured that samples were collected at constant depth (approx. 15 cm) and that their consistency was similar. I am advised that a few samples from the northern end of the survey area had a slightly greasy feel suggesting that they may have minor clay content. I am further assured that no samples were collected from disturbed sites – in light of the presence of the haulage road through the survey area this observation is key to some of the interpretations of the following dataset. If any sample had been from a disturbed site, or dug from a greater depth (e.g. C horizon) this would result in a different interpretation to that given in the following text and negate some of the conclusions derived from the patterns that parallel the trend of the haulage road (e.g. Cu, Re, As, Hg).

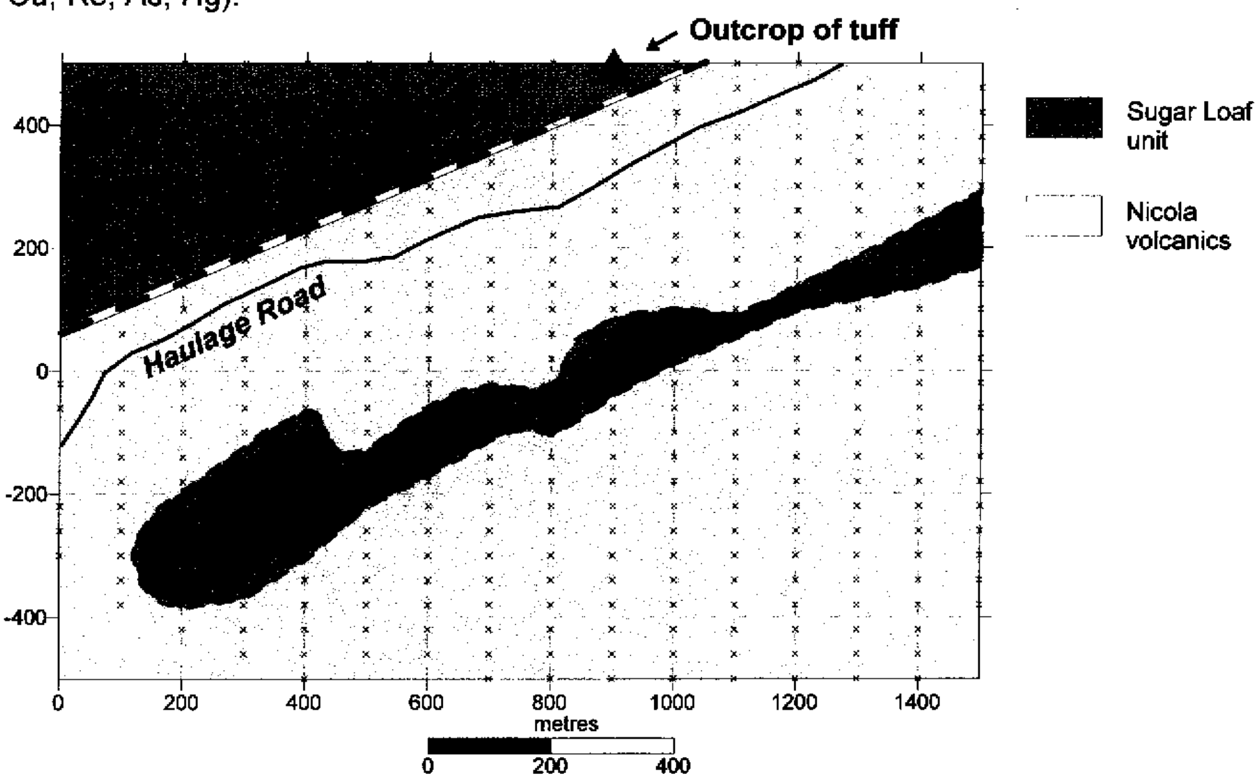



**Fig. 2: Location of soil sample sites in GM claim blocks superimposed on predicted geology (complete till cover except for single outcrop). Approximate locations of haulage road and main magnetic low are plotted.**

The suite of 374 soils samples submitted for analysis comprised 359 survey samples plus 15 quality control samples (bulk sample split to estimate analytical precision). Samples were dried at ActLabs, and prepared for analysis by method 7PGETS (PGE TerraSol$^{sm}$). In their 2001 fee schedule, ActLabs describes this method as:

*"a more aggressive leach (than Enzyme Leach) that attacks all components of amorphous mixed-oxide coatings and certain crystalline iron and manganese oxides. The oxidant used in the process also dissolves a substantial portion of the Au and platinum group elements (PGE) in the soil sample. TerraSol$^{sm}$ performs best over shallower mineral deposits. The PGE option is particularly useful for revealing platinum group and associated trace element patterns in buried mafic sequence.*

*Pattern recognition is the key to proper interpretation of Enzyme Leach$^{sm}$ and TerraSol$^{sm}$ data, since anomaly patterns can be different from conventional geochemical data. Selective extractions have been shown to work effectively in both acidic and alkaline environments, and have been used successfully in desert, tropical, glacial and permafrost terrains."*

Upon receipt of the B-horizon samples at ActLabs they were *"dried in special rooms kept below 40°C and leached (using a proprietary solution) under rigidly controlled conditions. The resultant solutions were analyzed using a state-of-the-art Perkin Elmer Sciex ELAN 6000 ICP-MS (inductively-coupled plasma mass spectrometer)".*

# 4.0 Data

Table 1 (Appendix 1) lists all of the analytical data, as received from ActLabs. These data are included, also, as an Excel Table on the CD included with this report.

### 4.1 Data Quality

Upon receipt in digital form, the data were reviewed and bar graphs of each element in the control samples were plotted. This approach served to evaluate the analytical precision. Absolute accuracy could not be determined, because no standards of known composition were included in the set of samples. Since absolute concentrations of elements are of no real importance to selective leach studies, this was not a concern. It is the patterns of element distribution that are of importance and therefore the analytical *precision* (i.e. reproducibility) is critical. From the bar graphs derived from the first set of data received it was evident that there was some instrumental drift that had occurred during analysis of the sequence of samples. Adjustment of data for a few elements did not solve all of the problems, and consequently the samples were reanalyzed. This dataset also contained some spurious data for a few elements. Detailed discussions with the analysts failed to resolve all of the problems, and so another digestion and analysis was undertaken. On February 14$^{th}$ a final dataset was received that was sufficiently stable for nearly all elements that some meaningful plots could be made of the data. The following observations are based on the Feb. 14$^{th}$ dataset. A review of the analytical precision achieved for this dataset is given in Table 2 (Appendix 1), along with mean value and standard deviations for each element. These data still show a modicum of variation for some elements, but there is no obvious systematic analytical drift. They are, therefore, 'fit for the purpose' (Bettany and Stanley, 2001) and, with a few exceptions, they can be plotted with confidence that distribution patterns are valid natural variations, and not an artifact of analytical determinations.

The critical importance of obtaining data of good precision is demonstrated in the following two figures in which data from the original set of analyses are plotted and compared with data from the final set of analyses used for this report. In the first pair of plots data are shown for rhenium, which, even though the standard deviation of the control samples was quite large, show that the distribution patterns from the two data sets remain essentially the same (Fig. 3).

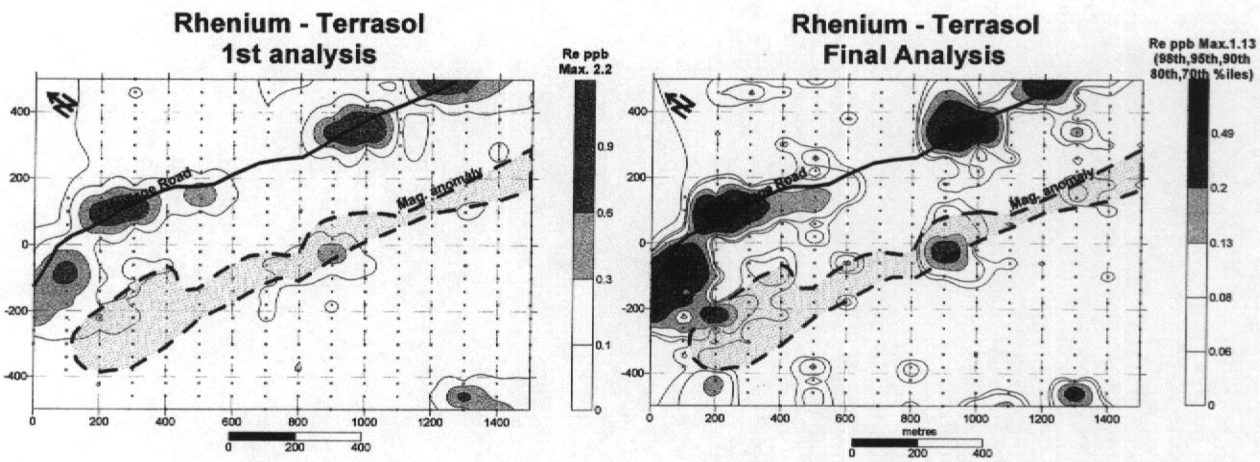



**Fig. 3 Comparison of distribution patterns for rhenium (Re) – first set of analytical data and final data set.**

From Fig. 3 it is evident that, although the absolute numbers are different, the data from either data set could be used to determine the distribution patterns for rhenium. Note, too, that these data are from two completely separate digestions and analytical determinations of the Re content of the soils (2 separate sample splits), attesting to the fact that these variations are, indeed, true natural variations and not an artifact of the analytical methodology. This reproducibility of distribution patterns from the two analyses is typical for *most* elements, but not all. For example, Fig. 4 shows that there are dramatically different distribution patterns for Cr from the two sets of analyses.

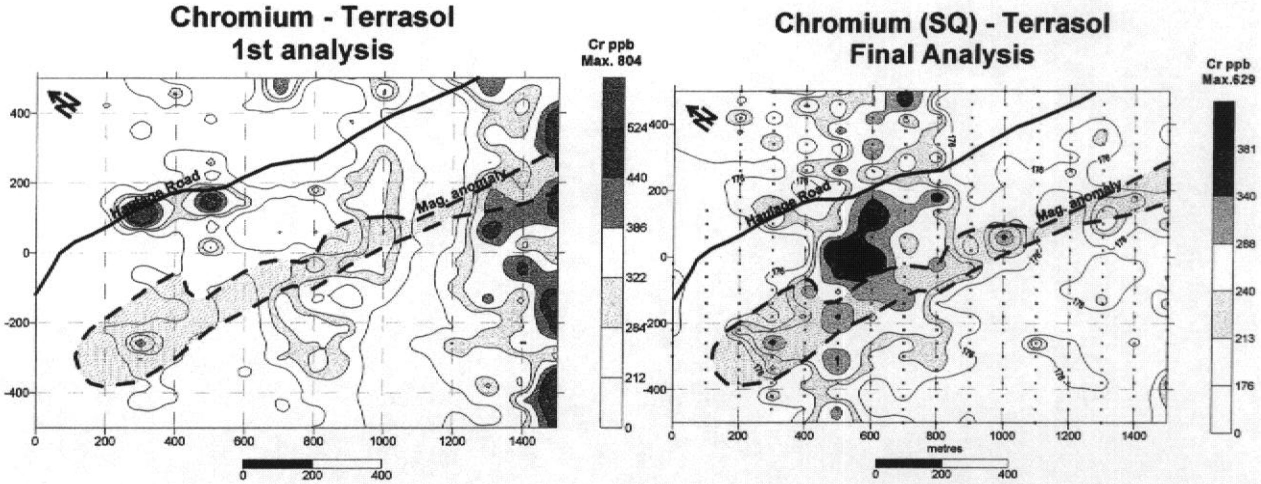



**Fig. 4 Comparison of distribution patterns for chromium – first set of analytical data and final data set.**

Clearly from Fig.4, the wrong conclusions would be drawn from consideration of the distribution patterns obtained from the first data set. The high values to the right of the plot from the 1st analysis represent nothing more than some instrumental drift. This factor was identified from the control samples that were interspersed.

**4.2 Data presentation**

Table 3 (Appendix 1) shows a basic statistical analysis of all elements except those that returned all values below the detection limit (Ag, Te, Rh, Ir). 'SQ' after an element indicates that the data should be considered as semi-quantitative (as reported by ActLabs). Data plots have all been prepared in the same manner after gridding the data using the kriging method. For the purposes of plotting the relative concentrations of elements, percentile values have been calculated and, on the element distribution maps in Appendix 2, the following colour scheme has been applied throughout.

- Purple >98th percentile
- Red 95-98th percentile
- Salmon 90th-95th percentile
- Yellow 80th-90th percentile
- Green 70th-80th percentile

In addition, contours are plotted of the 50th percentile with contour values printed, but (as requested) no colour has been provided for this interval in order that the higher values stand out. This presentation serves to provide a picture of areas where relatively high concentrations of elements are located. However, for Terrasol (and other selective leaches) data interpretation should not rely entirely on relatively high concentrations of elements. It must be remembered that the technique is only a *selective leach* that extracts only those elements attached to oxide coatings of the soil particles.

Consequently, areas of element *depletion* can be as significant as those with element enrichment (i.e. leached zones can be identified).

**The CD** that accompanies this report includes:

- **map plots of the percentile values**, as shown in hard copy in **Appendix 2,** with the maps sorted in alphabetical order of the elements. Since the rare earth elements (REE) all show much the same distribution patterns (because of their chemical coherence in Nature), only representative REE are plotted – La, Ce (representing the light REE), Eu (because of its multi-valency states) and Yb (representing the heavy REE). Consequently there are no plots for Pr, Nd, Sm, Gd, Dy, Ho, Er, Tm and Lu.
- **map plots (also kriged) of all values**, without constraining the data with percentile values. These are the types of plot that ActLabs typically use for elucidating the significance of element distribution patterns. Copies of all of these maps were sent to ActLabs for their review and comments and, after discussions with Greg Hill and Bob Clark (both of ActLabs) additional information that they have supplied is included in this report. Hard copy of these plots is not provided in the appendices, but some relevant plots are included in the following section.

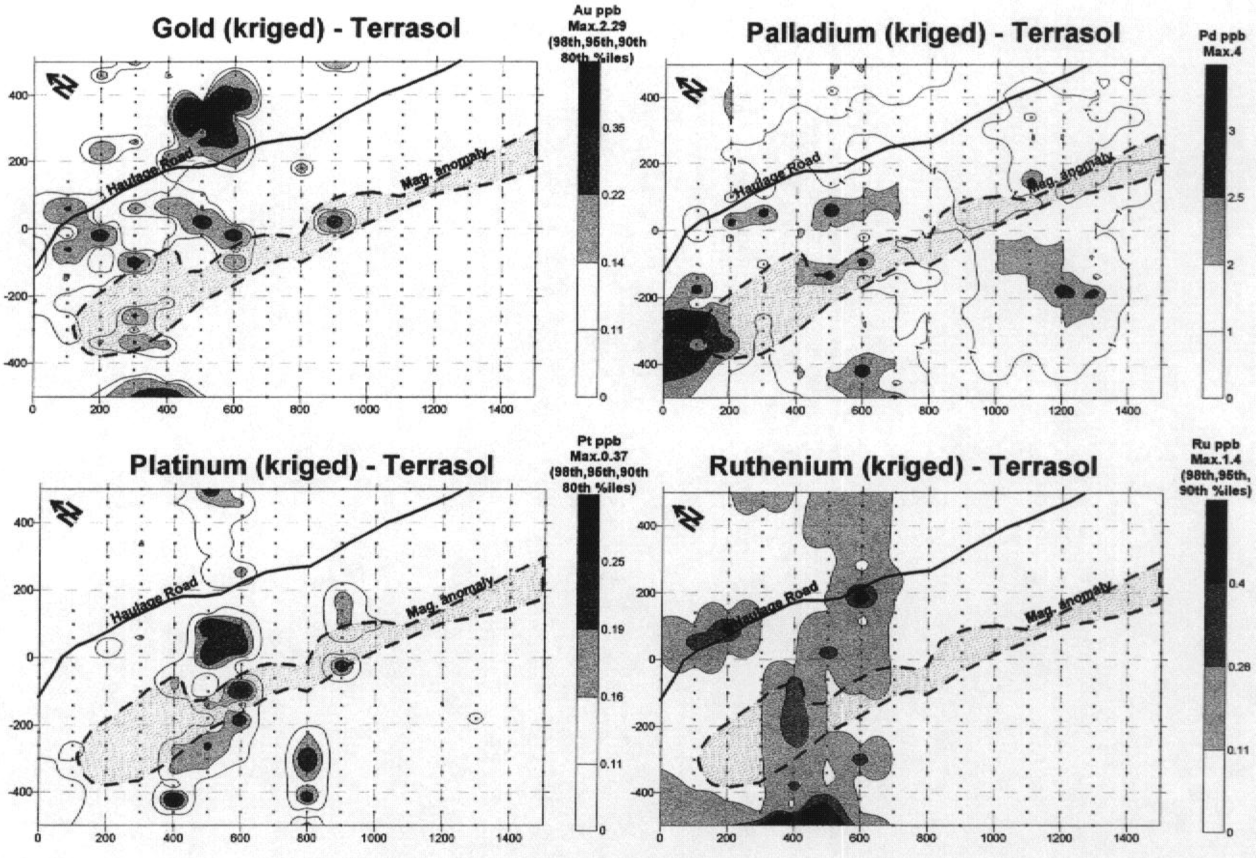
# 5.0 Results

For ease of discussion, the elements have been grouped in accord with similar distribution patterns.

### 5.1 Precious Metals

It is important to note that all samples yielded concentrations of the precious metals either close to or below the detection limit (d.l.). At these concentrations the reproducibility is typically +/- 100%, and therefore these data should be treated with caution and viewed in context of other geochemical associations and any geological and geophysical data.

No sample yielded a detectable level of rhodium (d.l. 5 ppb Rh) or iridium (d.l. 10 ppb Ir). A few samples yielded greater than the detection level of 0.1 ppb Os and 0.2 ppb Ru. Figure 5 shows that detectable levels of the precious metals cluster mostly in the northern part of the survey area (i.e. left side of map). Palladium has slightly elevated levels in a few samples from the southern part of the survey area at sites (e.g. 1200S, 200W) where there appears to be some enrichment of sulphides (see later discussion). Detectable levels of Pd occur at the northwestern end of the magnetic low. Of note are the slightly elevated levels of gold north of the haulage road, and coincident subtle enrichment of Au, Pd, Ru and Os (see osmium map in Appendix 2) around 500S,100-200E. Slightly elevated levels of Au and Pt occur in the center of the magnetic low, around 900S and the baseline.



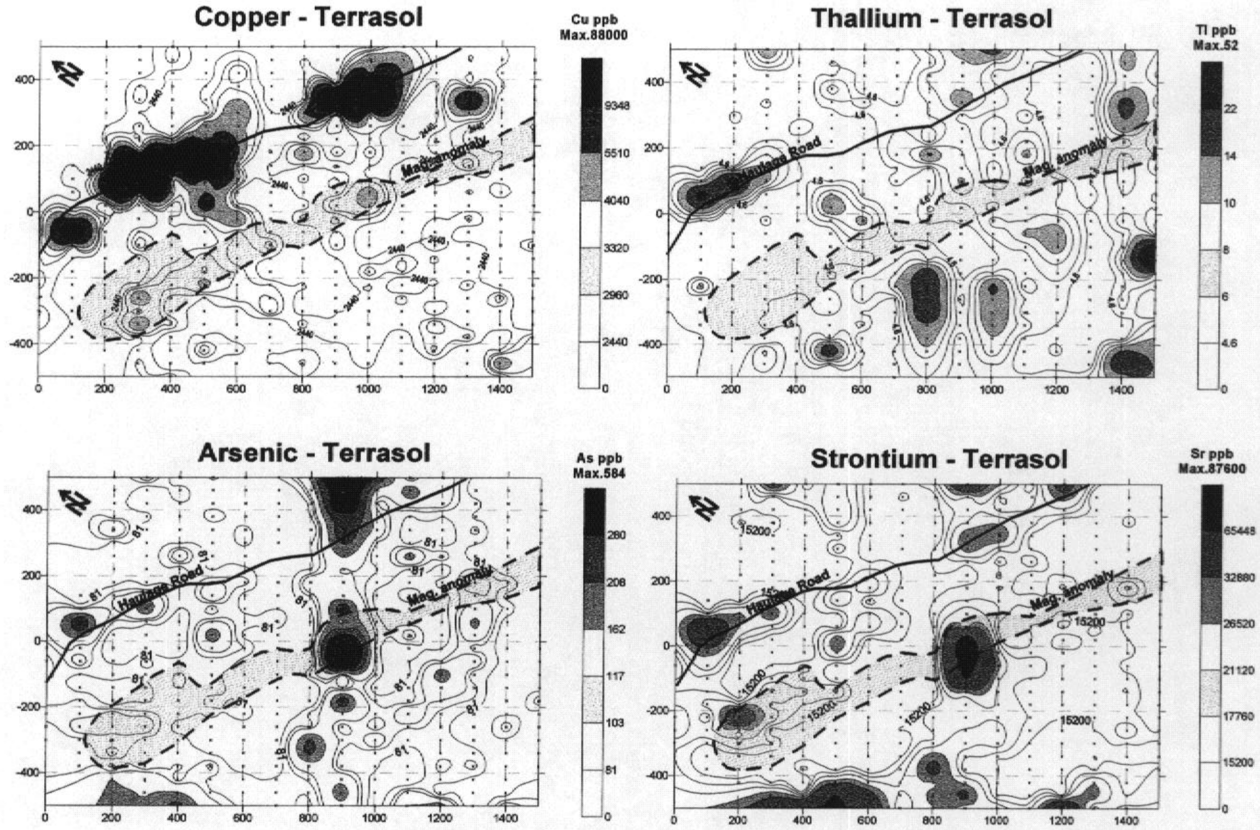

Precious metals - percentile plots of element concentrations

**Fig. 5 Precious metals - Percentile plots of element concentrations**

### 5.2 Element enrichments along haulage road

Figure 6 shows a linear zone of element enrichments that parallel the haulage road. At first sight it would seem that these enrichments might be due to contamination of the samples from the road itself and the haulage traffic that has passed along it. I am told that these samples were not collected from disturbed sites, and it appears unlikely that, since they were collected at depths of about 15 cm, they can be due to any dust contamination from the road. There does remain the possibility that metal-rich dust from the road settled on the surface and was subsequently leached downward, but this appears unlikely, especially in view of the multi-element suite of samples that show this trend.

Figure 6 shows that there are high levels of leachable copper (up to 88,000ppb [88 ppm] Cu) along the trend of the road. Thallium, arsenic and strontium also follow this trend, but also display a northeasterly trend along line 800 and 900S (approximately 060$^{o}$). The implication of this second trend is that it represents a conjugate set of enrichments along the plane of concealed faults.

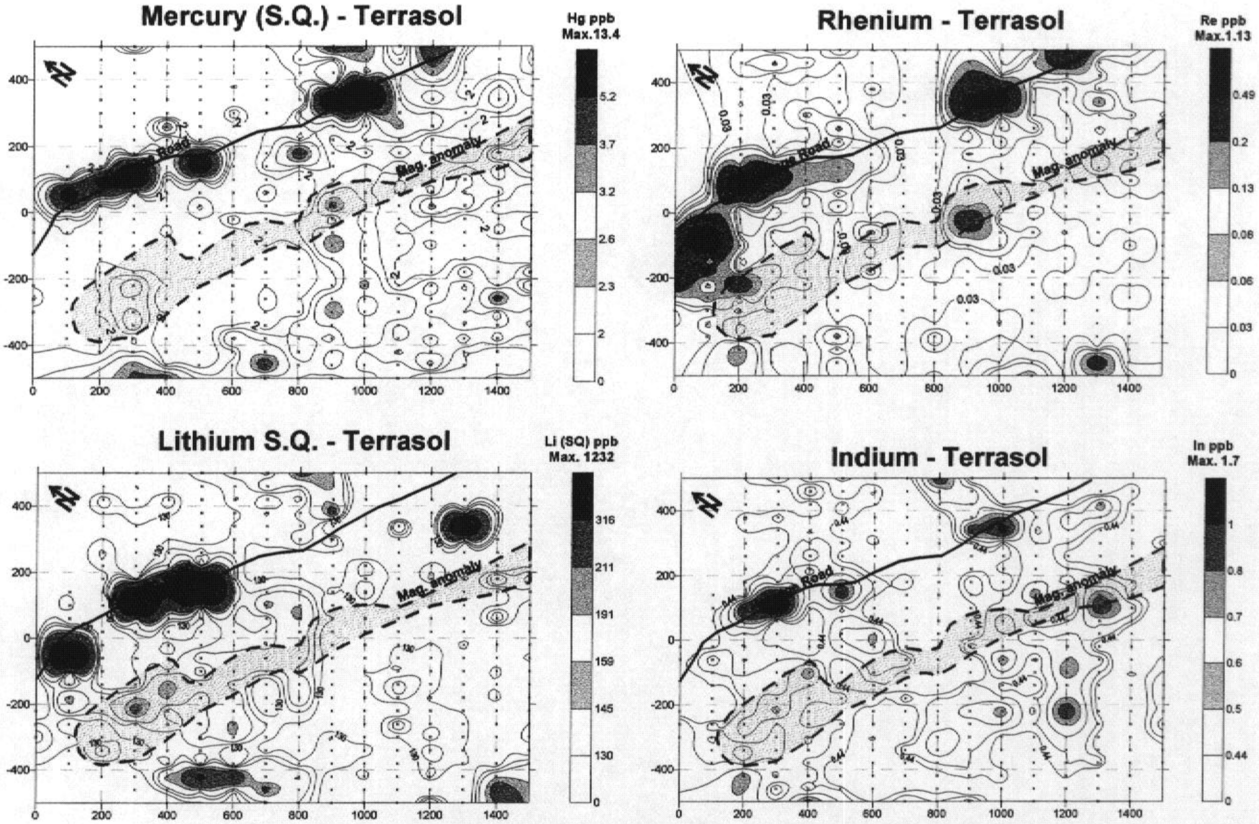



Elevated levels of Cu, Tl, As and Sr along trend of haulage road. Note conjugate (ENE) trends.
Percentile plots (98th, 95th, 90th, 80th, 70th, 50th).

**Fig. 6 Percentile plots of copper, thallium, arsenic and strontium.**

From Fig. 6 it is evident that the highest concentrations of arsenic occur in the northeast, close to the solitary outcrop in the area, and over the central part of the magnetic low. At the latter site there is coincident enrichment of a number of elements, including strontium, molybdenum, vanadium and slight enrichment of Au, Cu, and Pb. Provided this sample did not have a slight enrichment of organic matter (which tends to concentrate these elements), then this site is worthy of closer investigation. The Cu level is also elevated in the southeast (L1300S.320E).

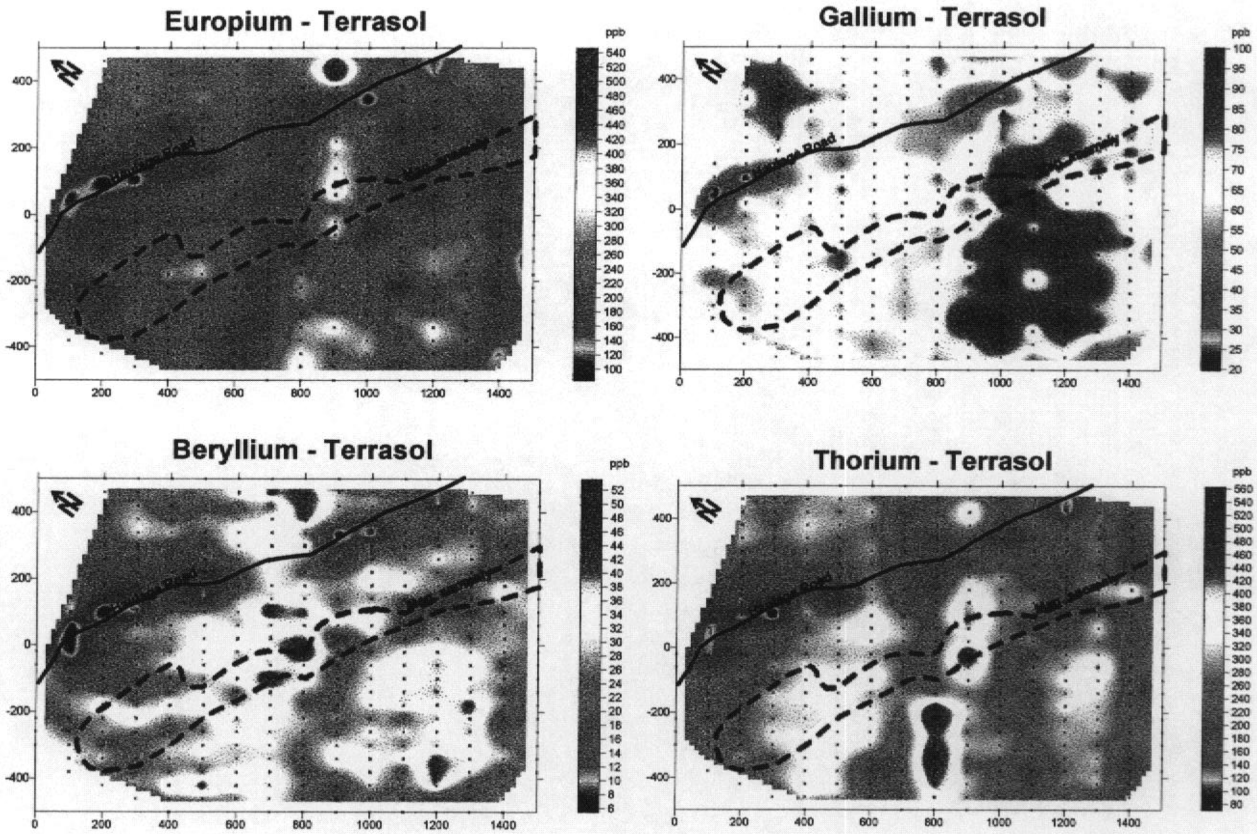
Figure 7 shows that, in addition to elements shown in Fig. 6, there are similar enrichments along the haulage road of mercury, rhenium, lithium and indium. Furthermore, the mercury and, to a lesser extent, the rhenium exhibit the same conjugate patterns of enrichment as those seen for some elements in Fig. 6. In light of the volatile nature of mercury, it is likely that the mercury distribution pattern is reflecting concealed structure and/or breccia zones. If this is the case, the data indicate that the Cherry Creek Fault is a little farther to the southwest than where is has been predicted to occur by others (e.g. Kwong, 1987).




Elevated levels of Hg, Re, Li and In along trend of haulage road. Note conjugate (ENE) of Hg.
Percentile plots (98th, 95th, 90th, 80th, 70th, 50th).

**Fig. 7 Percentile plots of mercury, rhenium, lithium and indium**

Further evidence that the above trends of element enrichments are related to structure, comes from consideration of those elements that are depleted along the trend of the road. Fig. 8 shows the kriged data (not defined as percentiles) of europium, gallium, beryllium and thorium. Other elements that exhibit the same depletions include germanium, hafnium, titanium, niobium and zirconium. The implication is that these elements are depleted because of leaching from a zone of weakness – i.e. the Cherry Creek fault/breccia zone. Note that in the southwest (i.e. around 900S.150W) these elements indicate a break that may reflect an offset fault. This is especially noticeable in Th, and will be discussed later.



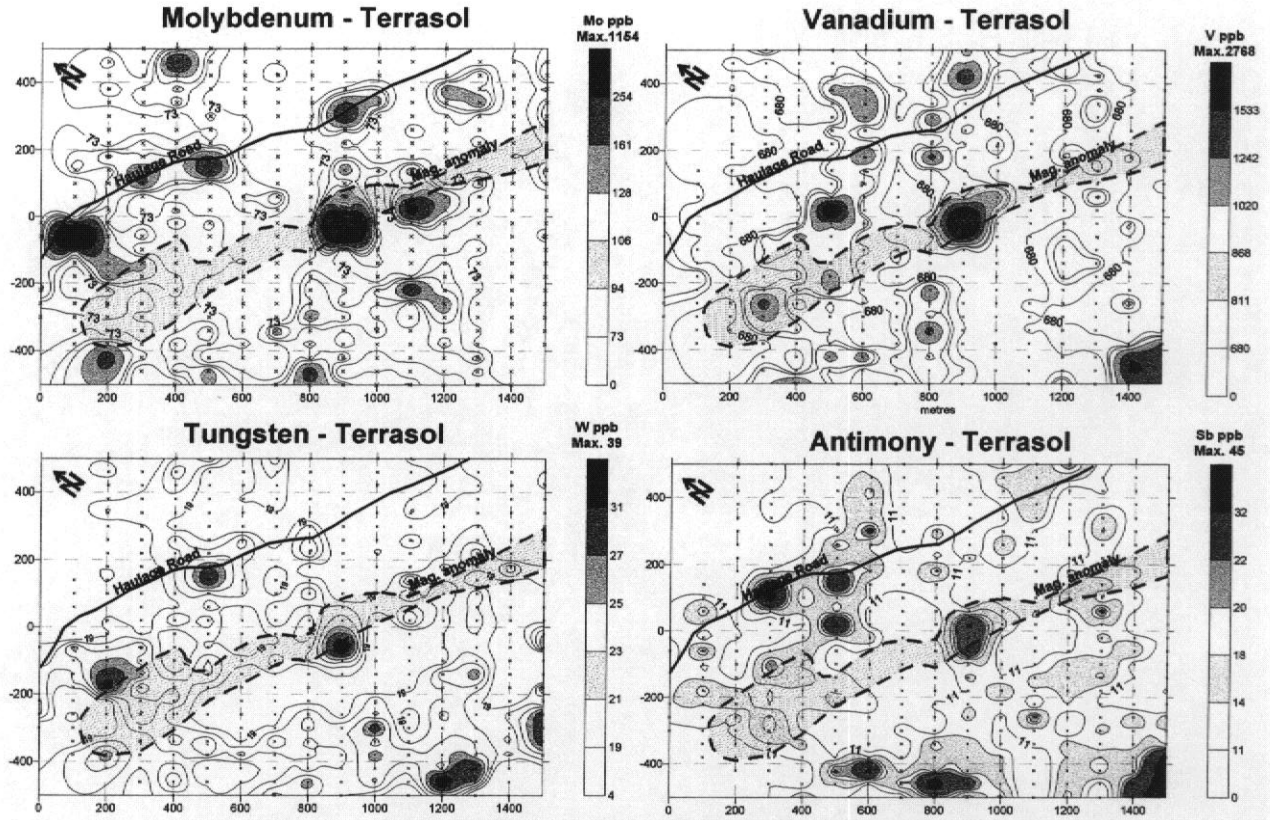

Elements showing relatively low concentrations along a trend parallelling the haulage road (similar depletions in Ge, Hf, Ti, Nb and Zr)

**Fig. 8 Kriged data for europium, beryllium, gallium and thorium, showing 'lows' along road.**

From the above patterns it is concluded that there is leakage of elements upward from concealed faults and/or breccia zones.

### 5.3 Molybdenum, vanadium, tungsten and antimony.

The common factor to these elements is the elevated level that occurs over the central part of the magnetic low, at ~900S and the baseline. The molybdenum distribution is similar to that of Cu (especially along the road) and there is a broadly similar pattern for antimony. There is a long list of elements that are moderately to slightly enriched at the 900S/baseline location, including As, Au, REE, Mn, Mo, Ni, Pt, Re, Sr, Th, W, U, and V.




Elevated levels of Mo, V, W and Sb over central magnetic low. Also elevated in this area are As, Au, REE Ni, Pt, Re, Sr, Tl, Th and U. Percentile plots (98th, 95th, 90th, 80th, 70th, 50th).

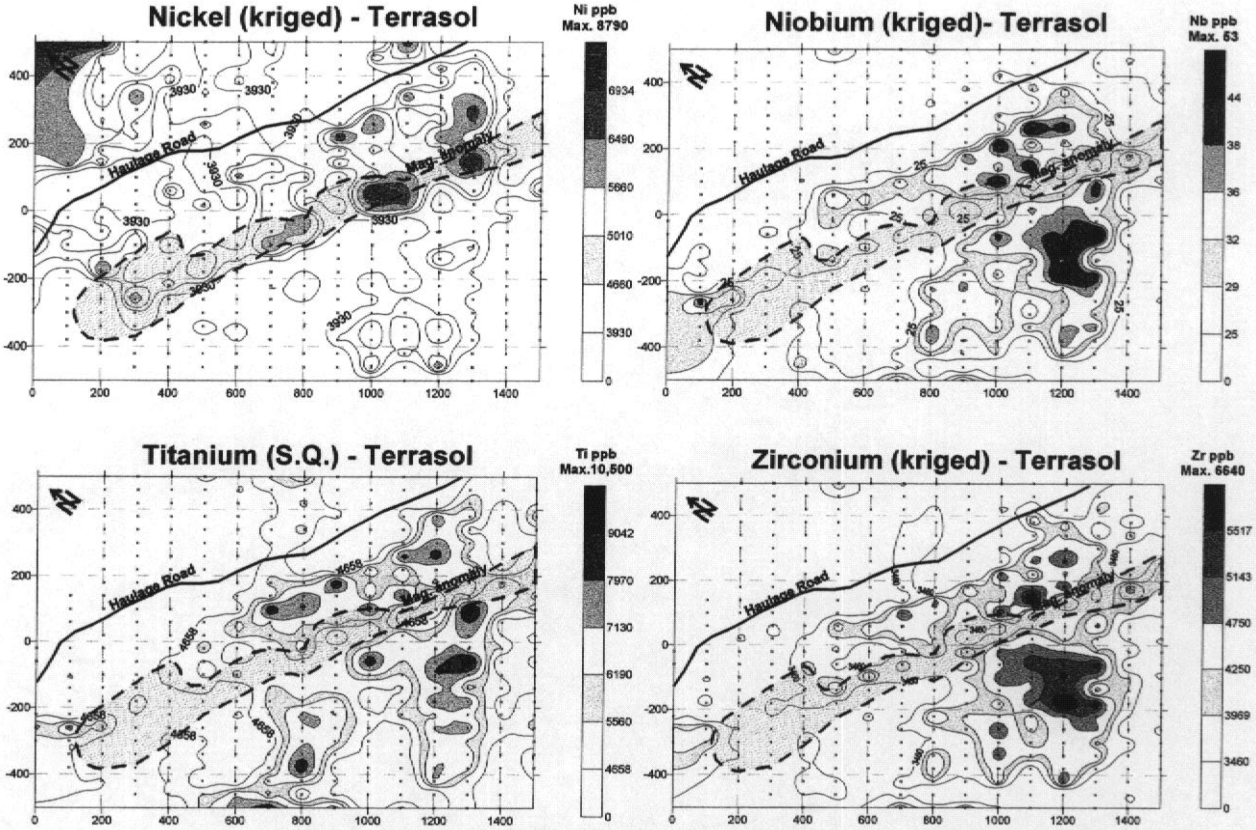
**Fig. 9 Molybdenum, vanadium, tungsten and antimony distribution patterns**

### 5.4 Nickel, niobium, titanium and zirconium

There is a striking similarity to the trends of these elements, with Nb, Ti and Zr mostly running parallel to the margins of the magnetic low, but with similar areas of elevated levels extending to the southwest (Fig. 10). Nickel follows the same southeast-northwest trend, but with elevated levels mostly confined to the magnetic low, therefore sitting central to the peripheral patterns of the other three elements.

With respect to the magnetic low, the following relationships are observed:

- **Over the low**: relative enrichment of Ni, Co, Mo, Pb and locally As, Sb and Pd
- **East of the low**: relative enrichment of As, Be, Cr, Co, REE, Ga, Ge, Hf, In, Li, Mn, Hg, Mo, Nb, Pd, Pt, Re, Ru, Sc, Se, Sr, Tl, Th, Ti, V, Zr.
- **West of low**: relative enrichment of Ba, Cd, Rb, Ti, Rb, Zn

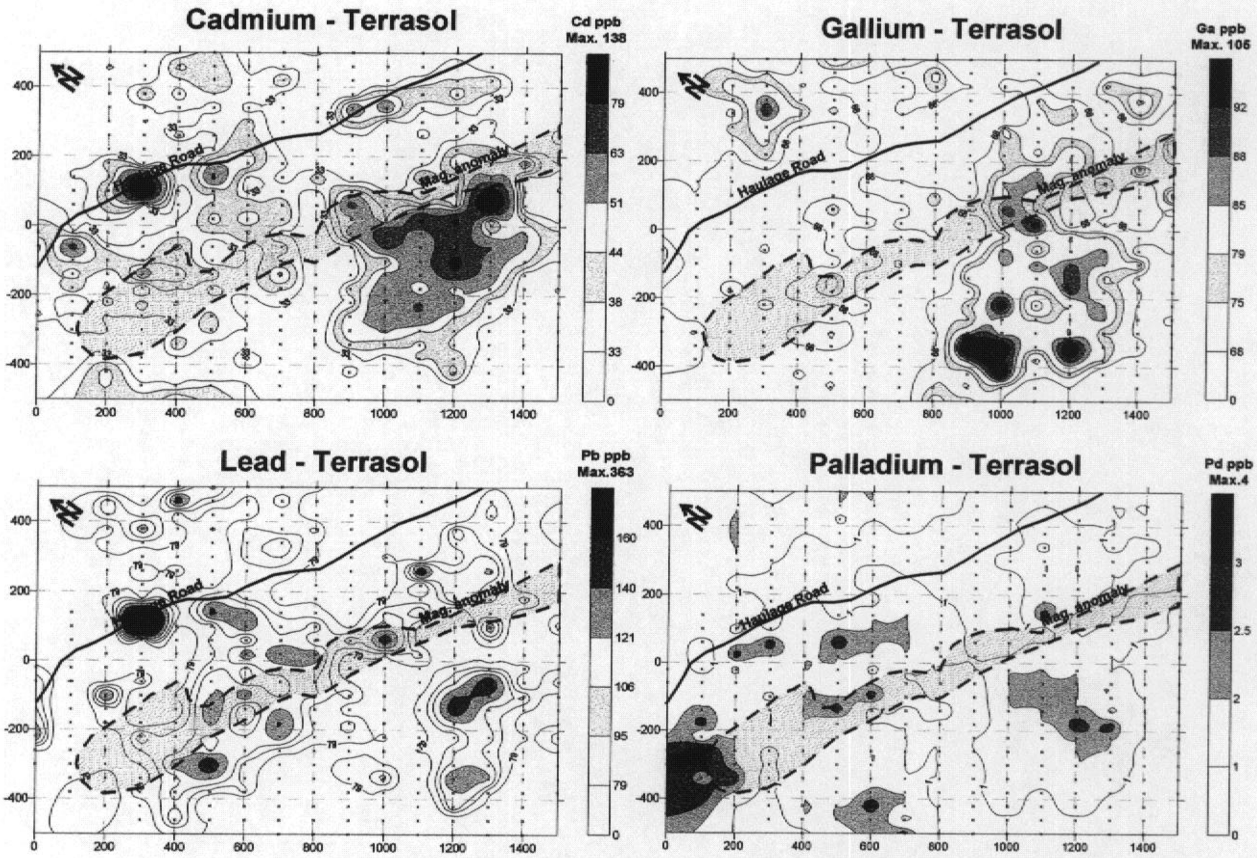



Elevated levels of Ni over linear magnetic low; depleted Nb, Ti and Zr over magnetic low, with elevated levelsalong the north and south margins. Note conjugate trends (ENE). Percentile plots (98th, 95th, 90th, 80th, 70th, 50th).

**Fig. 10 Nickel, niobium, titanium and zirconium distribution patterns**

### 5.5 Sulphide association

Figure 11 shows the distribution patterns of several elements that are commonly associated with sulphides – cadmium and gallium tend to follow zinc. Selenium, too exhibits some enrichment in this area, as do germanium, indium and a subtle enrichment of tin.

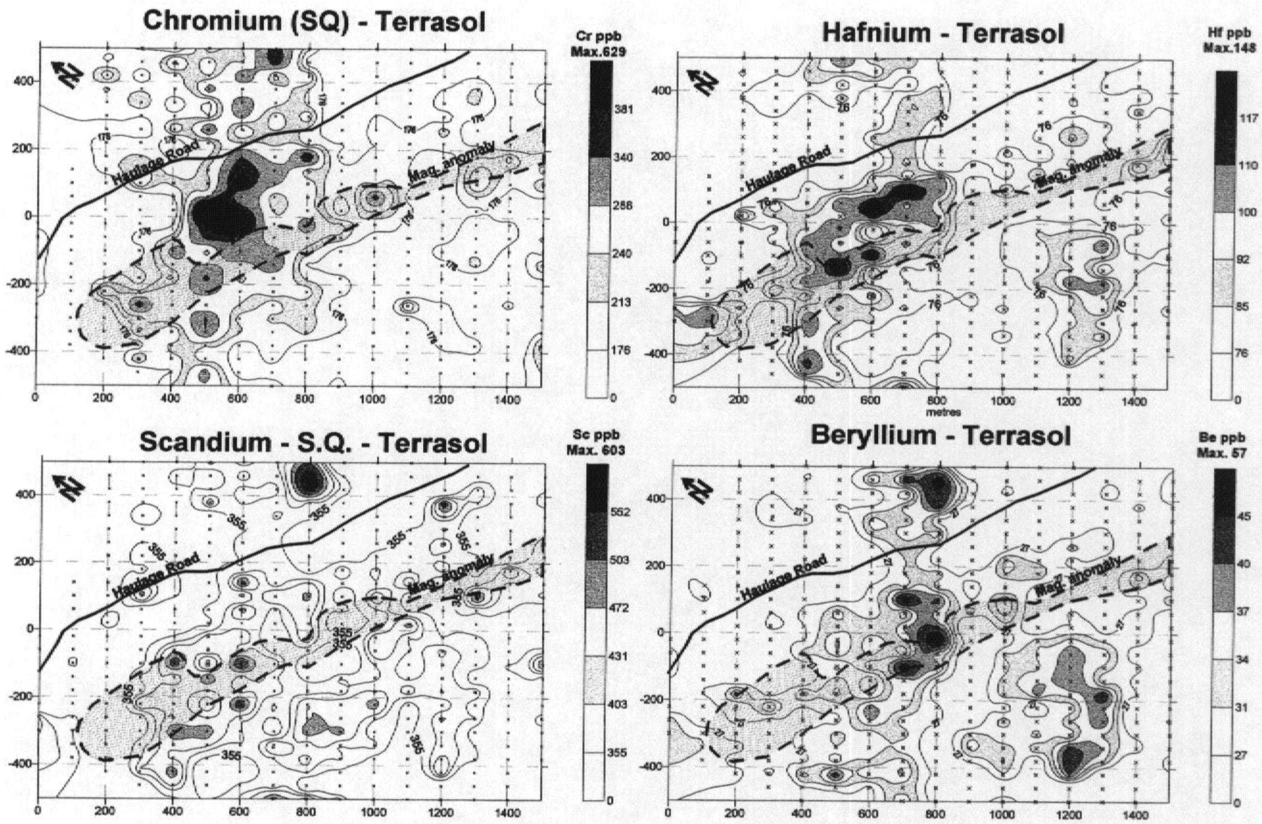



Elements showing relative enrichments in the southern part of survey area

**Fig. 11 Cadmium, lead, gallium and palladium distribution patterns**

### 5.6 Chromium, Hafnium, Scandium and Beryllium

Of note is the area in which Cr values are relatively high (Fig. 12) since this corresponds to the area of elevated levels of most of the precious metals. The implication is that this could be an ultramafic association. The significance of the other elements shown in Fig.12 is uncertain. Other elements exhibiting similar distribution patterns include barium and lead.




Distribtion of Cr, Hf, Sc and Be (similar patterns for Ba and Pb)

**Fig. 12 Chromium, hafnium, scandium and beryllium distribution patterns**

## 6.0 Discussion, Conclusions and Recommendations

The Terrasol partial extraction of oxide-phase elements associated with coatings to soil particles has provided a wealth of data comprising determinations for 60 elements on 374 samples (more than 22,000 items of data). There are many ways to synthesize and view these data, and this report presents them primarily as percentile plots. In addition, plots of kriged data, unconstrained by percentile intervals, have been prepared and examined to help elucidate the element associations and their significance.

Since Terrasol data consist of element concentrations expressed in parts per billion (or less), and only part of each element in the soils is recovered from the extraction procedure (partial leach), the approach to determining the significance of element distribution patterns is somewhat different from that of conventional element extractions using strong acids. Zones of element depletions need to be considered, as do zones of element concentrations that may be peripheral to those of 'commodity' elements that may appear directly above a zone of mineralization. Furthermore, where a zone of element enrichment in the substrate is close to the surface, the response derived from Terrasol may be directly over the source rather than peripheral to it. Consequently, at this stage of data interrogation, the primary objective has been to ascertain the validity of the data (i.e. good precision) and to provide a simple visual portrayal of the element distribution patterns. Obvious associations have been grouped together and briefly described. More subtle associations need to be considered, and the data re-evaluated on a constant basis as more geophysical, geochemical, and geological information becomes available.

Figure 13 provides a preliminary interpretation of the area based upon the Terrasol geochemical database. The inferred faults are based upon shifts in element trends (after due consideration of data quality).

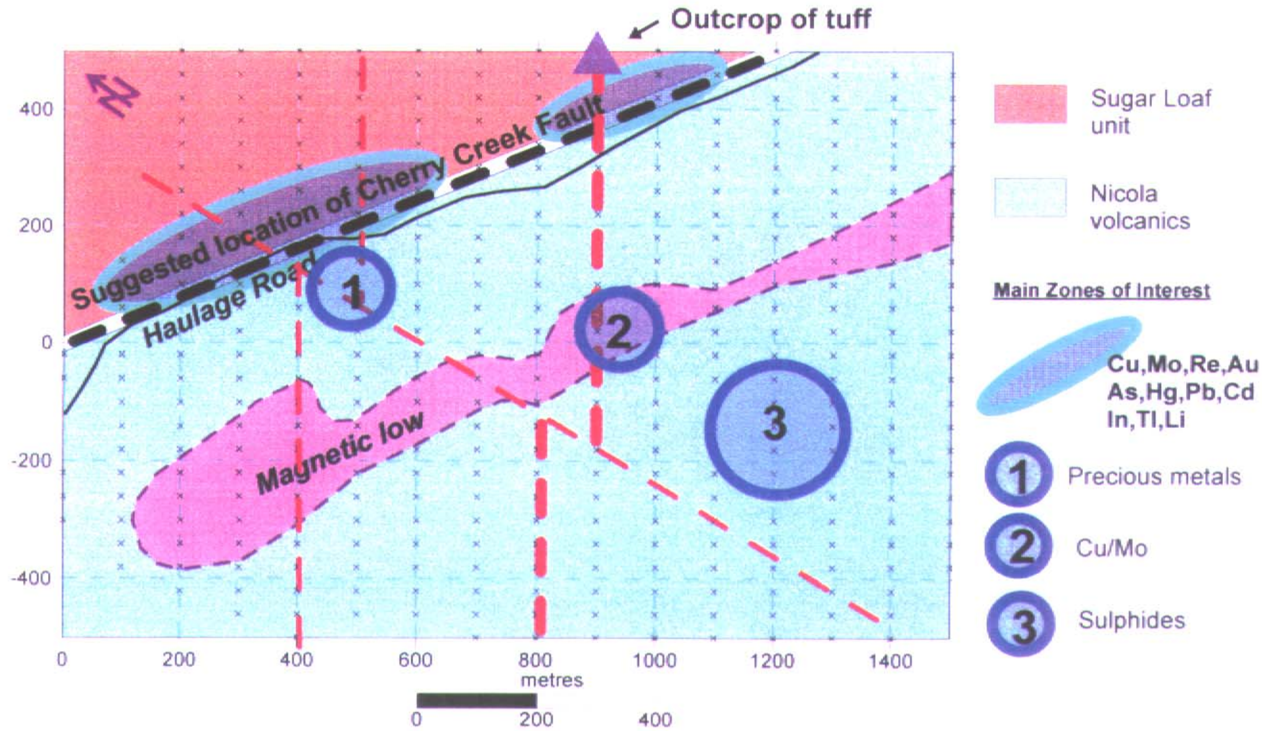



**Fig. 13 Preliminary interpretation of structure and main areas of interest**

At this stage it would seem that the following deductions can be made from the the observations provided in this report:

- **A zone of element enrichment (including Cu, Mo, Re, As and Hg) parallels the haulage road.** A coincident zone of element depletion, indicating leaching, is seen in REE, Be, Th and Ga. After consideration of the information provided on the locations and nature of the samples collected, it seems probable that this zone reflects a significant fault and/or breccia zone in the near subsurface. This may prove to be the true location of the Cherry Creek Fault that juxtaposes the Iron Mask batholith against the Nicola volcanics.
- **A second zone of element enrichments (including Hg, As, Sr, REE, Th, and V [among others]) appears to comprise a feature, striking at ~60°, that reflects a conjugate fault.** The leakage of mercury, in particular, is likely to take place along such a feature.
- **Precious metal concentrations are low** and precision at the near-detection levels is poor. However, there appears to be a consistent northerly trend to the Pt and Ru data in the north part of the survey area, and **coincident subtle enrichment of Pd, Os and Au at around 500S. 0-100E**.

- **A second zone of weakly elevated Pd occurs in the south where there are indications of sulphide enrichments (a chalcophile association) – Cd, Zn, Pb, Ga, In, Co, Se.** This is centred on L1200S.200W and slightly to the north.
- A multi-element association that includes **Cu, Mo and traces of Au and Pt, occurs in the central part of the magnetic low.** Provided the samples from this area did not have an elevated organic component the association would suggest some concealed Cu/Mo enrichment. It should be noted, though, that even slight enrichment of organic matter can scavenge metals and give rise, therefore, to elevated levels
- **The magnetic low** that transects the survey area **has coincident elevated levels of Ni** and **Co, and is flanked on both sides by elevated levels of Nb, Ti and Zr. The inference is that this may represent hydrothermally altered body of mafic to ultramafic rocks.**

The data set is generally of high quality and deserves closer scrutiny, based upon exploration models for the area. For example, it is known that for porphyry Cu/Mo/Au deposits there is commonly a central zone of Cu with coincident Mo, Au, and Ag with possibly Bi, W, B and Sr (Pantaleyev, 1995). Peripheral enrichment in Pb, Zn, Mn, V, Sb, As, Se, Te, Co, Ba, Rb and Hg is documented. These associations, and their various permutations, should be examined to further develop exploration models.

Consideration should be given to additional geophysical surveys (e.g. IP), focusing in zones with multi-element anomalies. Additional geochemical work should focus on similar anomalies. This could include determinations on C-horizon samples, using an ultra-low level fire assay method for the precious metals, and/or biogeochemical methods (e.g. Douglas-fir bark) since the roots of trees penetrate to the C-horizon and in effect sample that part of the soil profile. Ultimately, the validity and significance of the multi-element anomalies and the geophysical information needs to be assessed through trenching and/or drilling.

## References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Kwong, Y.T.J., 1987. Evolution of the Iron Mask Batholith and its Associated Copper *Mineralization. BC Geological Survey Branch, Bull. 77, 55 pp.*

Monger, J.W.H., 1989. Geology of Hope and Ashcroft Map Areas, British Columbia. Geol. Survey Canada Maps 41-1989 and 42-1989, 10 maps.

*Pantaleyev, A., 1995. Porphyry Cu +/- Mo +/- Au. In: Selected BC Mineral Deposit* Profiles – vol.1 – Metallics and Coal (Eds. D.V. Lefebure and G.E. Ray). BC Ministry of Energy, Mines and Petroleum Resources, Geological Survey Branch, Open File 1995-20, p.87-91.

# APPENDIX 1
# Tables

| PGE Package: | Rare Earth Elements: | | | | | | | | | | | | | Lithophile Elements: | | | | | | | | P.G.E.s: | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID: | La | Ce | Pr | Nd | Sm | Eu | Gd | Dy | Ho | Er | Tm | Yb | Lu | S.Q. Li | Be | S.Q. Sc | Mn | Rb | Sr | Cs | Ba | Ru | Rh | Pd | Os | Ir | Pt |
| 00S-20W | 2660 | 7260.0 | 832.0 | 3730.0 | 835.0 | 204.00 | 726.0 | 665.0 | 135.00 | 405.00 | 50.80 | 339.0 | 55.2 | 116 | 20.5 | 245 | 448000 | 171.0 | 15876 | 3.0 | 57760 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 00S-60W | 3150 | 8520.0 | 992.0 | 4530.0 | 1000.0 | 242.00 | 878.0 | 769.0 | 155.00 | 463.00 | 56.80 | 382.0 | 60.0 | 105 | 31.8 | 319 | 473000 | 105.0 | 12247 | 1.4 | 50400 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 00S-220W | 2570 | 6960.0 | 832.0 | 3720.0 | 829.0 | 206.00 | 723.0 | 667.0 | 133.00 | 396.00 | 50.90 | 346.0 | 54.1 | 88 | 21.6 | 210 | 459000 | 388.0 | 24494 | 8.1 | 45440 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 00S-260 | 2890 | 7020.0 | 908.0 | 4030.0 | 904.0 | 221.00 | 751.0 | 696.0 | 138.00 | 419.00 | 53.50 | 364.0 | 59.0 | 152 | 33.9 | 443 | 420000 | 321.0 | 26698 | 8.0 | 59600 | -0.2 | -5 | 3 | -0.1 | -10 | -0.1 |
| 00S-300W | 2730 | 6540.0 | 834.0 | 3710.0 | 822.0 | 204.00 | 712.0 | 653.0 | 134.00 | 401.00 | 51.60 | 347.0 | 56.0 | 169 | 32.9 | 433 | 271000 | 413.0 | 18468 | 11.9 | 75360 | -0.2 | -5 | 3 | -0.1 | -10 | 0.1 |
| 100S-60E | 823 | 876.0 | 226.0 | 1030.0 | 242.0 | 82.60 | 222.0 | 221.0 | 45.20 | 132.00 | 17.20 | 123.0 | 25.0 | 92 | 4.4 | 165 | 100000 | 99.0 | 65448 | 14.4 | 69040 | 0.4 | -5 | -1 | -0.1 | -10 | -0.1 |
| 100S-100E | 2840 | 5796.0 | 838.0 | 3870.0 | 894.0 | 232.00 | 765.0 | 716.0 | 147.00 | 431.00 | 56.80 | 371.0 | 58.1 | 153 | 33.8 | 295 | 226000 | 271.0 | 15163 | 15.7 | 65520 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 100S-140E | 2280 | 7080.0 | 686.0 | 3100.0 | 703.0 | 175.00 | 626.0 | 595.0 | 120.00 | 360.00 | 45.80 | 303.0 | 51.8 | 125 | 26.6 | 245 | 396000 | 308.0 | 12442 | 6.1 | 74320 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| BL100S | 1860 | 4020.0 | 596.0 | 2740.0 | 619.0 | 156.00 | 526.0 | 600.0 | 103.00 | 309.00 | 41.00 | 268.0 | 46.2 | 100 | 24.7 | 378 | 221000 | 239.0 | 14256 | 2.8 | 43360 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 100S-20W | 1830 | 2160.0 | 526.0 | 2370.0 | 534.0 | 141.00 | 464.0 | 424.0 | 84.60 | 248.00 | 30.80 | 211.0 | 38.2 | 357 | 6.2 | 172 | 245000 | 162.0 | 27410 | 3.3 | 49280 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 100S-60W | 2130 | 7140.0 | 615.0 | 2790.0 | 635.0 | 164.00 | 580.0 | 519.0 | 105.00 | 314.00 | 39.50 | 269.0 | 45.2 | 1050 | 14.4 | 336 | 455000 | 276.0 | 25402 | 4.7 | 41760 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 100S-100W | 2620 | 6300.0 | 851.0 | 3800.0 | 858.0 | 209.00 | 712.0 | 660.0 | 133.00 | 394.00 | 51.40 | 349.0 | 57.3 | 104 | 22.1 | 370 | 365000 | 327.0 | 15617 | 7.2 | 23600 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 100S-140W | 2520 | 5688.0 | 818.0 | 3700.0 | 818.0 | 209.00 | 707.0 | 644.0 | 129.00 | 379.00 | 49.70 | 335.0 | 54.8 | 122 | 25.8 | 319 | 362000 | 383.0 | 17431 | 7.8 | 68560 | -0.2 | -5 | 2 | 0.1 | -10 | -0.1 |
| 100S-180W | 2390 | 6240.0 | 795.0 | 3600.0 | 829.0 | 206.00 | 700.0 | 639.0 | 130.00 | 388.00 | 51.30 | 364.0 | 55.9 | 212 | 27.4 | 174 | 267000 | 238.0 | 23522 | 5.1 | 27280 | -0.2 | -5 | 3 | -0.1 | -10 | 0.1 |
| 100S-220W | 1270 | 1462.0 | 414.0 | 1890.0 | 442.0 | 117.00 | 377.0 | 362.0 | 71.30 | 219.00 | 28.20 | 205.0 | 36.2 | 174 | 24.5 | 140 | 54000 | 390.0 | 14256 | 19.3 | 29520 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 100S-260W | 2440 | 6600.0 | 794.0 | 3500.0 | 777.0 | 190.00 | 663.0 | 604.0 | 119.00 | 358.00 | 47.20 | 342.0 | 52.4 | 95 | 22.5 | 394 | 414000 | 103.0 | 20930 | 1.7 | 58480 | -0.2 | -5 | 4 | -0.1 | -10 | 0.1 |
| 100S-300W | 3110 | 7140.0 | 966.0 | 4340.0 | 950.0 | 227.00 | 817.0 | 760.0 | 154.00 | 452.00 | 58.30 | 390.0 | 63.3 | 142 | 30.5 | 354 | 317000 | 185.0 | 15293 | 4.0 | 70240 | -0.2 | -5 | 3 | -0.1 | -10 | 0.1 |
| 100S-340W | 2910 | 6720.0 | 870.0 | 3900.0 | 854.0 | 208.00 | 751.0 | 684.0 | 136.00 | 408.00 | 53.20 | 357.0 | 57.0 | 125 | 31.3 | 360 | 268000 | 165.0 | 11923 | 4.7 | 60560 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 100S-380W | 2900 | 6900.0 | 895.0 | 4090.0 | 933.0 | 226.00 | 807.0 | 743.0 | 153.00 | 450.00 | 59.90 | 406.0 | 63.6 | 111 | 29.7 | 396 | 302000 | 142.0 | 13738 | 2.5 | 68880 | -0.2 | -5 | 3 | -0.1 | -10 | 0.2 |
| 200S-20E | 2930 | 7200.0 | 951.0 | 4220.0 | 923.0 | 221.00 | 815.0 | 744.0 | 149.00 | 453.00 | 60.20 | 393.0 | 62.8 | 120 | 26.3 | 418 | 382000 | 290.0 | 18338 | 6.9 | 53120 | -0.2 | -5 | 3 | -0.1 | -10 | 0.2 |
| 200S-100E | 661 | 750.0 | 170.0 | 782.0 | 193.0 | 64.70 | 173.0 | 179.0 | 37.00 | 115.00 | 15.50 | 106.0 | 23.1 | 23 | 2.5 | 274 | 176000 | 78.7 | 27929 | 5.4 | 32800 | 0.5 | -5 | -1 | -0.1 | -10 | -0.1 |
| 200S-140E | 2820 | 8280.0 | 885.0 | 4010.0 | 928.0 | 230.00 | 808.0 | 718.0 | 147.00 | 450.00 | 56.50 | 366.0 | 62.9 | 129 | 17.4 | 307 | 349000 | 148.0 | 13154 | 2.8 | 42240 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 200S-180E | 2800 | 7380.0 | 854.0 | 3740.0 | 840.0 | 197.00 | 720.0 | 639.0 | 127.00 | 387.00 | 51.00 | 326.0 | 52.2 | 112 | 20.7 | 322 | 405000 | 231.0 | 12766 | 3.3 | 59920 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 200S-220E | 2890 | 7440.0 | 907.0 | 4250.0 | 949.0 | 238.00 | 854.0 | 761.0 | 155.00 | 466.00 | 57.70 | 385.0 | 62.6 | 144 | 21.0 | 264 | 330000 | 219.0 | 11275 | 4.1 | 53280 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 200S-260E | 3040 | 7680.0 | 939.0 | 4410.0 | 967.0 | 241.00 | 871.0 | 800.0 | 159.00 | 480.00 | 61.50 | 415.0 | 64.8 | 150 | 25.5 | 257 | 205000 | 200.0 | 11923 | 3.4 | 51040 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 200S-300E | 3430 | 8280.0 | 1100.0 | 4920.0 | 1070.0 | 256.00 | 940.0 | 841.0 | 171.00 | 508.00 | 62.90 | 418.0 | 66.2 | 135 | 21.5 | 244 | 272000 | 260.0 | 11146 | 4.9 | 56000 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 200S-340E | 2630 | 7560.0 | 832.0 | 3660.0 | 821.0 | 193.00 | 706.0 | 632.0 | 123.00 | 379.00 | 47.50 | 322.0 | 51.7 | 85 | 22.5 | 335 | 301000 | 138.0 | 11664 | 1.3 | 45840 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 200S-380E | 3490 | 8100.0 | 1130.0 | 5140.0 | 1100.0 | 251.00 | 946.0 | 841.0 | 169.00 | 515.00 | 65.70 | 434.0 | 69.7 | 137 | 23.4 | 264 | 284000 | 217.0 | 19505 | 4.4 | 44720 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 200S-420E | 4120 | 10140.0 | 1310.0 | 5990.0 | 1290.0 | 297.00 | 1100.0 | 973.0 | 193.00 | 569.00 | 72.50 | 471.0 | 75.2 | 161 | 25.3 | 275 | 385000 | 155.0 | 13673 | 3.0 | 70800 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 200S-460E | 3190 | 8940.0 | 1010.0 | 4510.0 | 964.0 | 217.00 | 839.0 | 701.0 | 139.00 | 420.00 | 53.20 | 363.0 | 56.5 | 98 | 20.2 | 230 | 445000 | 193.0 | 13284 | 2.8 | 58880 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 200S-500E | 2780 | 6960.0 | 885.0 | 4180.0 | 934.0 | 232.00 | 851.0 | 757.0 | 154.00 | 460.00 | 56.40 | 385.0 | 59.7 | 108 | 20.7 | 319 | 368000 | 198.0 | 10044 | 4.3 | 51840 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| BL200S | 2150 | 4750.0 | 705.0 | 3300.0 | 737.0 | 187.00 | 646.0 | 613.0 | 125.00 | 383.00 | 50.10 | 335.0 | 55.2 | 104 | 31.5 | 404 | 252000 | 250.0 | 14515 | 5.0 | 47840 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 200S-20W | 1980 | 5592.0 | 636.0 | 2960.0 | 676.0 | 170.00 | 608.0 | 557.0 | 116.00 | 348.00 | 44.40 | 300.0 | 49.5 | 86 | 19.0 | 268 | 357000 | 217.0 | 11405 | 5.7 | 47520 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 200S-60W | 2520 | 6600.0 | 781.0 | 3520.0 | 784.0 | 190.00 | 687.0 | 634.0 | 125.00 | 378.00 | 50.10 | 330.0 | 52.7 | 97 | 21.2 | 308 | 379000 | 304.0 | 12053 | 6.0 | 56960 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 200S-100W | 2220 | 6600.0 | 710.0 | 3160.0 | 716.0 | 174.00 | 640.0 | 583.0 | 117.00 | 351.00 | 44.40 | 302.0 | 50.4 | 94 | 23.3 | 292 | 571000 | 211.0 | 11923 | 3.8 | 52480 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 200S-140W | 2620 | 7620.0 | 819.0 | 3680.0 | 814.0 | 199.00 | 731.0 | 659.0 | 129.00 | 385.00 | 49.50 | 338.0 | 52.9 | 119 | 20.3 | 281 | 523000 | 250.0 | 11405 | 4.5 | 65600 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 200S-180W | 3630 | 9720.0 | 1160.0 | 5310.0 | 1170.0 | 288.00 | 1030.0 | 922.0 | 184.00 | 546.00 | 69.20 | 454.0 | 70.9 | 159 | 40.0 | 276 | 577000 | 288.0 | 18403 | 5.3 | 63120 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 200S-220W | 1680 | 2256.0 | 565.0 | 2580.0 | 606.0 | 154.00 | 533.0 | 502.0 | 101.00 | 314.00 | 41.30 | 275.0 | 47.2 | 151 | 26.0 | 209 | 228000 | 225.0 | 65448 | 6.6 | 33920 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 200S-260W | 1990 | 2724.0 | 641.0 | 2960.0 | 674.0 | 171.00 | 598.0 | 566.0 | 113.00 | 343.00 | 45.60 | 303.0 | 50.0 | 118 | 29.2 | 372 | 321000 | 183.0 | 18922 | 4.5 | 62480 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 200S-300W | 1960 | 2700.0 | 656.0 | 3040.0 | 687.0 | 172.00 | 612.0 | 578.0 | 119.00 | 357.00 | 47.50 | 329.0 | 52.7 | 109 | 21.7 | 293 | 264000 | 269.0 | 22680 | 6.5 | 42480 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 200S-340W | 2830 | 7740.0 | 884.0 | 3980.0 | 901.0 | 225.00 | 803.0 | 734.0 | 150.00 | 457.00 | 58.80 | 406.0 | 64.7 | 168 | 31.3 | 247 | 316000 | 217.0 | 13414 | 3.6 | 65440 | -0.2 | -5 | 3 | -0.1 | -10 | -0.1 |
| 200S-380W | 2600 | 7320.0 | 810.0 | 3620.0 | 790.0 | 191.00 | 709.0 | 652.0 | 132.00 | 395.00 | 51.00 | 344.0 | 55.2 | 119 | 21.9 | 266 | 494000 | 257.0 | 11794 | 5.6 | 54880 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 200S-420W | 1950 | 2952.0 | 621.0 | 2710.0 | 621.0 | 149.00 | 547.0 | 498.0 | 102.00 | 298.00 | 38.10 | 248.0 | 42.0 | 105 | 31.3 | 254 | 375000 | 192.0 | 16913 | 4.2 | 39600 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 300S-20E | 2880 | 6720.0 | 890.0 | 4010.0 | 875.0 | 212.00 | 768.0 | 693.0 | 142.00 | 419.00 | 53.10 | 374.0 | 56.6 | 154 | 28.6 | 243 | 273000 | 170.0 | 12960 | 3.2 | 64960 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 300S-60E | 2950 | 5862.0 | 915.0 | 4220.0 | 934.0 | 227.00 | 797.0 | 750.0 | 149.00 | 449.00 | 58.10 | 396.0 | 65.2 | 160 | 28.0 | 299 | 273000 | 371.0 | 18792 | 9.6 | 62880 | -0.2 | -5 | 3 | -0.1 | -10 | 0.1 |
| 300S-180E | 2710 | 7632.0 | 861.0 | 3920.0 | 872.0 | 223.00 | 727.0 | 687.0 | 139.00 | 409.00 | 51.90 | 354.0 | 58.1 | 114 | 20.9 | 326 | 314000 | 187.0 | 11520 | 5.5 | 51520 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 300S-220E | 2960 | 8640.0 | 918.0 | 4120.0 | 931.0 | 224.00 | 772.0 | 722.0 | 142.00 | 424.00 | 54.40 | 351.0 | 57.4 | 105 | 24.2 | 416 | 366000 | 209.0 | 11160 | 3.9 | 59120 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 300S-260E | 2830 | 9576.0 | 858.0 | 4020.0 | 887.0 | 218.00 | 764.0 | 707.0 | 145.00 | 428.00 | 54.80 | 368.0 | 59.5 | 112 | 24.2 | 355 | 418000 | 218.0 | 10512 | 3.7 | 56080 | -0.2 | -5 | 1 | -0.1 | -10 | 0.1 |
| 300S-300E | 3250 | 9432.0 | 1040.0 | 4800.0 | 1090.0 | 257.00 | 910.0 | 823.0 | 168.00 | 510.00 | 64.10 | 424.0 | 68.0 | 116 | 23.2 | 328 | 392000 | 227.0 | 12600 | 3.7 | 50240 | -0.2 | -5 | 1 | 0.1 | -10 | -0.1 |
| 300S-340E | 4160 | 10368.0 | 1300.0 | 5910.0 | 1310.0 | 303.00 | 1100.0 | 1020.0 | 207.00 | 602.00 | 77.30 | 525.0 | 83.1 | 129 | 31.7 | 414 | 352000 | 286.0 | 14040 | 5.6 | 61520 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 300S-380E | 2960 | 9216.0 | 958.0 | 4400.0 | 993.0 | 243.00 | 856.0 | 803.0 | 163.00 | 482.00 | 64.40 | 431.0 | 66.6 | 142 | 29.8 | 347 | 595000 | 327.0 | 18792 | 8.4 | 70320 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 300S-420E | 3800 | 8928.0 | 1180.0 | 5310.0 | 1140.0 | 257.00 | 927.0 | 807.0 | 165.00 | 484.00 | 60.40 | 416.0 | 67.5 | 110 | 27.1 | 276 | 308000 | 268.0 | 12384 | 6.2 | 55040 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 300S-460E | 3310 | 9216.0 | 1080.0 | 4910.0 | 1080.0 | 253.00 | 892.0 | 801.0 | 162.00 | 476.00 | 61.10 | 404.0 | 65.8 | 135 | 21.6 | 269 | 293000 | 194.0 | 11304 | 4.4 | 45600 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 300S-500E | 1270 | 1735.2 | 357.0 | 1620.0 | 373.0 | 102.00 | 311.0 | 297.0 | 59.50 | 174.00 | 22.80 | 154.0 | 29.5 | 70 | 4.9 | 196 | 186000 | 121.0 | 46008 | 5.4 | 57360 | 0.3 | -5 | -1 | -0.1 | -10 | -0.1 |
| BL300S | 1980 | 5292.0 | 683.0 | 3100.0 | 710.0 | 173.00 | 598.0 | 584.0 | 119.00 | 362.00 | 48.30 | 321.0 | 54.9 | 104 | 24.8 | 377 | 237000 | 251.0 | 11664 | 4.9 | 38880 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 300S-20W | 2310 | 3643.2 | 753.0 | 3450.0 | 764.0 | 184.00 | 651.0 | 611.0 | 123.00 | 365.00 | 47.50 | 313.0 | 53.6 | 123 | 21.3 | 332 | 296000 | 374.0 | 11448 | 10.2 | 44480 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 300S-60W | 2900 | 8424.0 | 920.0 | 4190.0 | 944.0 | 231.00 | 804.0 | 732.0 | 148.00 | 424.00 | 56.10 | 383.0 | 60.6 | 146 | 27.5 | 337 | 439000 | 107.0 | 15912 | 1.4 | 54160 | -0.2 | -5 | 2 | 0.1 | -10 | 0.1 |
| 300S-100W | 2380 | 3556.8 | 787.0 | 3750.0 | 897.0 | 235.00 | 747.0 | 706.0 | 145.00 | 427.00 | 55.00 | 381.0 | 63.3 | 134 | 19.8 | 328 | 324000 | 214.0 | 16216 | 4.0 | 52320 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 300S-140W | 2290 | 3780.0 | 790.0 | 3540.0 | 831.0 | 213.00 | 695.0 | 683.0 | 138.00 | 419.00 | 55.40 | 365.0 | 59.5 | 109 | 22.2 | 418 | 413000 | 217.0 | 28872 | 3.9 | 60160 | -0.2 | -5 | 2 | 0.1 | -10 | -0.1 |
| 300S-180W | 2590 | 3902.4 | 839.0 | 3750.0 | 855.0 | 205.00 | 699.0 | 686.0 | 136.00 | 406.00 | 53.40 | 353.0 | 58.4 | 190 | 23.1 | 372 | 335000 | 479.0 | 16648 | 11.9 | 64480 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 300S-220W | 2650 | 4048.4 | 879.0 | 4020.0 | 923.0 | 241.00 | 759.0 | 729.0 | 147.00 | 432.00 | 56.10 | 382.0 | 60.9 | 241 | 40.0 | 492 | 406000 | 415.0 | 26136 | 10.8 | 69680 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 300S-260W | 2510 | 4327.2 | 805.0 | 3670.0 | 859.0 | 234.00 | 724.0 | 704.0 | 140.00 | 419.00 | 53.80 | 372.0 | 60.7 | 132 | 24.8 | 313 | 390000 | 99.4 | 12168 | 2.1 | 60160 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 300S-300W | 3080 | 4536.0 | 1010.0 | 4680.0 | 1070.0 | 261.00 | 863.0 | 844.0 | 172.00 | 511.00 | 67.70 | 440.0 | 69.8 | 137 | 21.4 | 307 | 302000 | 116.0 | 19080 | 3.2 | 54000 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 300S-340W | 2450 | 4443.1 | 794.0 | 3640.0 | 836.0 | 224.00 | 730.0 | 691.0 | 142.00 | 426.00 | 56.90 | 381.0 | 61.7 | 112 | 25.7 | 392 | 292000 | 145.0 | 12816 | 7.5 | 45920 | -0.2 | -5 | -1 | 0.1 | -10 | -0.1 |
| 300S-380W | 2740 | 9234.7 | 876.0 | 3880.0 | 860.0 | 217.00 | 761.0 | 717.0 | 144.00 | 431.00 | 55.90 | 371.0 | 60.6 | 138 | 21.7 | 392 | 368000 | 254.0 | 15552 | 6.4 | 50480 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 300S-420W | 1850 | 3484.8 | 650.0 | 3000.0 | 718.0 | 191.00 | 619.0 | 629.0 | 131.00 | 400.00 | 53.60 | 361.0 | 61.0 | 117 | 30.5 | 443 | 196000 | 107.0 | 13464 | 3.2 | 34880 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 300S-460W | 1860 | 3467.4 | 543.0 | 2440.0 | 567.0 | 157.00 | 486.0 | 478.0 | 97.20 | 292.00 | 38.30 | 266.0 | 46.0 | 99 | 7.8 | 244 | 302000 | 121.0 | 32184 | 4.7 | 58640 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 400S-20E | 2900 | 9757.4 | 908.0 | 4140.0 | 913.0 | 221.00 | 773.0 | 714.0 | 144.00 | 434.00 | 53.80 | 360.0 | 61.4 | 106 | 26.6 | 251 | 370000 | 284.0 | 14184 | 6.4 | 82400 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 400S-60E | 2760 | 9870.3 | 861.0 | 4000.0 | 911.0 | 236.00 | 807.0 | 776.0 | 155.00 | 464.00 | 59.70 | 412.0 | 66.5 | 162 | 28.4 | 297 | 292000 | 275.0 | 11808 | 6.9 | 51440 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 400S-100E | 2650 | 9496.1 | 816.0 | 3760.0 | 832.0 | 208.00 | 718.0 | 667.0 | 134.00 | 406.00 | 51.60 | 358.0 | 58.9 | 227 | 25.6 | 364 | 345000 | 209.0 | 15048 | 3.9 | 72320 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 400S-220E | 2420 | 4800.3 | 771.0 | 3630.0 | 847.0 | 213.00 | 731.0 | 708.0 | 146.00 | 437.00 | 54.70 | 367.0 | 59.4 | 153 | 22.1 | 338 | 270000 | 136.0 | 6833 | 2.7 | 47200 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 400S-260E | 1880 | 4765.5 | 622.0 | 2890.0 | 678.0 | 170.00 | 573.0 | 557.0 | 112.00 | 338.00 | 42.20 | 302.0 | 50.6 | 154 | 20.6 | 267 | 357000 | 204.0 | 16200 | 4.1 | 58800 | -0.2 | -5 | -1 | 0.1 | -10 | -0.1 |
| 400S-300E | 2930 | 5166.2 | 960.0 | 4430.0 | 995.0 | 235.00 | 813.0 | 761.0 | 157.00 | 461.00 | 60.20 | 395.0 | 66.1 | 131 | 21.3 | 302 | 274000 | 145.0 | 6869 | 2.7 | 48480 | -0.2 | -5 | -1 | 0.1 | -10 | -0.1 |
| 400S-340E | 3730 | 12196.8 | 1170.0 | 5270.0 | 1140.0 | 276.00 | 967.0 | 875.0 | 176.00 | 512.00 | 68.30 | 439.0 | 69.7 | 111 | 31.3 | 365 | 413000 | 276.0 | 12240 | 5.6 | 52240 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 400S-380E | 3430 | 11587.0 | 1100.0 | 5090.0 | 1110.0 | 263.00 | 927.0 | 833.0 | 167.00 | 489.00 | 62.00 | 421.0 | 68.1 | 136 | 22.1 | 320 | 354000 | 214.0 | 8689 | 4.5 | 48560 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 400S-420E | 2780 | 5227.2 | 930.0 | 4260.0 | 954.0 | 226.00 | 804.0 | 726.0 | 151.00 | 459.00 | 59.30 | 404.0 | 64.4 | 164 | 17.1 | 317 | 353000 | 216.0 | 15264 | 4.2 | 54480 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 400S-460E | 2670 | 5122.7 | 847.0 | 3890.0 | 876.0 | 211.00 | 749.0 | 704.0 | 144.00 | 429.00 | 57.60 | 386.0 | 62.7 | 95 | 28.7 | 427 | 384000 | 186.0 | 20736 | 3.0 | 52240 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 400S-500E | 3220 | 5087.8 | 1000.0 | 4660.0 | 1050.0 | 254.00 | 885.0 | 802.0 | 163.00 | 496.00 | 63.90 | 422.0 | 66.5 | 132 | 25.2 | 272 | 277000 | 224.0 | 14544 | 4.9 | 49120 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| BL400S | 2320 | 6288.0 | 789.0 | 3690.0 | 847.0 | 218.00 | 732.0 | 711.0 | 106.00 | 439.00 | 57.40 | 396.0 | 65.4 | 107 | 26.9 | 492 | 251000 | 243.0 | 14328 | 5.1 | 47760 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 400S-20W | 2880 | 4300.6 | 922.0 | 4180.0 | 910.0 | 229.00 | 803.0 | 751.0 | 154.00 | 463.00 | 60.70 | 405.0 | 65.4 | 158 | 25.9 | 367 | 255000 | 467.0 | 6811 | 12.9 | 62320 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |

Table 1: Analytical data, as received from Actlabs
14th February 2002

| PGE Package: | Rare Earth Elements: | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID: | La | Ce | Pr | Nd | Sm | Eu | Gd | Dy | Ho | Er | Tm | Yb | Lu |
| 400S-60W | 2850 | 4419.4 | 912.0 | 4090.0 | 933.0 | 235.00 | 783.0 | 752.0 | 149.00 | 453.00 | 60.40 | 404.0 | 66.1 |
| 400S-100W | 2720 | 3975.6 | 832.0 | 3770.0 | 843.0 | 215.00 | 706.0 | 703.0 | 143.00 | 416.00 | 58.90 | 372.0 | 59.6 |
| 400S-140W | 2560 | 4197.6 | 825.0 | 3750.0 | 857.0 | 218.00 | 710.0 | 696.0 | 141.00 | 420.00 | 58.30 | 377.0 | 59.9 |
| 400S-180W | 4030 | 9424.8 | 1280.0 | 5830.0 | 1300.0 | 318.00 | 1060.0 | 1000.0 | 209.00 | 609.00 | 79.20 | 532.0 | 83.4 |
| 400S-220W | 3030 | 5282.6 | 944.0 | 4250.0 | 967.0 | 248.00 | 828.0 | 779.0 | 159.00 | 470.00 | 60.20 | 402.0 | 65.3 |
| 400S-260W | 3210 | 4664.9 | 977.0 | 4520.0 | 997.0 | 252.00 | 846.0 | 790.0 | 161.00 | 479.00 | 62.00 | 421.0 | 69.6 |
| 400S-300W | 3540 | 9662.4 | 1080.0 | 4850.0 | 1060.0 | 271.00 | 930.0 | 862.0 | 179.00 | 524.00 | 68.60 | 460.0 | 72.7 |
| 400S-340W | 3330 | 8725.2 | 1030.0 | 4660.0 | 1070.0 | 271.00 | 912.0 | 884.0 | 180.00 | 544.00 | 68.50 | 477.0 | 76.9 |
| 400S-380W | 2850 | 7774.8 | 912.0 | 4120.0 | 929.0 | 227.00 | 791.0 | 745.0 | 153.00 | 445.00 | 59.60 | 405.0 | 65.4 |
| 400S-420W | 2710 | 8395.2 | 860.0 | 3870.0 | 886.0 | 223.00 | 771.0 | 743.0 | 151.00 | 440.00 | 58.40 | 389.0 | 62.4 |
| 400S-460W | 2730 | 8487.6 | 896.0 | 4130.0 | 944.0 | 234.00 | 785.0 | 783.0 | 161.00 | 474.00 | 60.10 | 423.0 | 66.3 |
| 400S-500W | 1840 | 4668.0 | 510.0 | 2260.0 | 543.0 | 152.00 | 446.0 | 442.0 | 93.20 | 267.00 | 37.70 | 242.0 | 41.8 |
| 500S-20E | 2660 | 5988.0 | 833.0 | 3750.0 | 874.0 | 227.00 | 736.0 | 700.0 | 143.00 | 428.00 | 57.70 | 388.0 | 62.9 |
| 500S-60E | 3450 | 8040.0 | 1050.0 | 4770.0 | 1090.0 | 281.00 | 925.0 | 875.0 | 185.00 | 556.00 | 72.50 | 494.0 | 76.4 |
| 500S-100E | 3160 | 7752.0 | 948.0 | 4310.0 | 987.0 | 235.00 | 814.0 | 746.0 | 156.00 | 459.00 | 60.30 | 387.0 | 63.0 |
| 500S-220E | 2980 | 6804.0 | 929.0 | 4290.0 | 1010.0 | 244.00 | 833.0 | 798.0 | 169.00 | 502.00 | 65.30 | 423.0 | 68.9 |
| 500S-260E | 3000 | 8124.0 | 931.0 | 4290.0 | 973.0 | 248.00 | 839.0 | 779.0 | 160.00 | 467.00 | 61.60 | 397.0 | 62.5 |
| 500S-300E | 2610 | 5626.0 | 809.0 | 3660.0 | 837.0 | 204.00 | 692.0 | 667.0 | 136.00 | 389.00 | 52.60 | 345.0 | 56.2 |
| 500S-340E | 4020 | 7860.0 | 1230.0 | 5800.0 | 1260.0 | 305.00 | 1040.0 | 942.0 | 190.00 | 561.00 | 72.40 | 464.0 | 72.0 |
| 500S-380E | 3300 | 8016.0 | 1060.0 | 4900.0 | 1110.0 | 271.00 | 902.0 | 841.0 | 173.00 | 526.00 | 69.60 | 461.0 | 71.6 |
| 500S-420E | 2620 | 7140.0 | 861.0 | 3930.0 | 878.0 | 209.00 | 734.0 | 653.0 | 137.00 | 409.00 | 53.60 | 358.0 | 58.2 |
| 500S-460E | 3100 | 8496.0 | 967.0 | 4500.0 | 1010.0 | 235.00 | 849.0 | 801.0 | 166.00 | 491.00 | 64.10 | 418.0 | 67.7 |
| 500S-500E | 3940 | 9528.0 | 1200.0 | 5420.0 | 1220.0 | 286.00 | 987.0 | 923.0 | 188.00 | 559.00 | 74.60 | 484.0 | 74.1 |
| BL500S | 2820 | 6190.0 | 809.0 | 3450.0 | 938.0 | 233.00 | 768.0 | 765.0 | 102.00 | 489.00 | 63.60 | 410.0 | 63.8 |
| 500S-20W | 2850 | 5210.0 | 903.0 | 4100.0 | 940.0 | 233.00 | 782.0 | 763.0 | 159.00 | 461.00 | 62.30 | 411.0 | 64.7 |
| 500S-60W | 3220 | 6970.0 | 988.0 | 4430.0 | 1010.0 | 248.00 | 821.0 | 779.0 | 162.00 | 467.00 | 60.30 | 398.0 | 62.0 |
| 500S-100W | 2780 | 7040.0 | 862.0 | 3910.0 | 912.0 | 219.00 | 760.0 | 723.0 | 151.00 | 431.00 | 58.90 | 375.0 | 61.5 |
| 500S-140W | 3860 | 7620.0 | 1200.0 | 5430.0 | 1230.0 | 297.00 | 1020.0 | 965.0 | 204.00 | 588.00 | 76.50 | 513.0 | 82.6 |
| 500S-180W | 4280 | 13900.0 | 1340.0 | 6110.0 | 1390.0 | 336.00 | 1140.0 | 1090.0 | 218.00 | 652.00 | 85.40 | 544.0 | 85.2 |
| 500S-220W | 2630 | 6050.0 | 832.0 | 3820.0 | 893.0 | 222.00 | 745.0 | 734.0 | 149.00 | 442.00 | 59.80 | 397.0 | 63.1 |
| 500S-260W | 2910 | 6350.0 | 890.0 | 4090.0 | 912.0 | 228.00 | 773.0 | 743.0 | 157.00 | 464.00 | 62.10 | 392.0 | 62.9 |
| 500S-300W | 3300 | 7630.0 | 1000.0 | 4500.0 | 996.0 | 249.00 | 860.0 | 801.0 | 165.00 | 480.00 | 63.70 | 410.0 | 64.5 |
| 500S-340W | 3340 | 7350.0 | 1050.0 | 4790.0 | 1110.0 | 262.00 | 901.0 | 870.0 | 176.00 | 507.00 | 67.50 | 432.0 | 72.1 |
| 500S-380W | 2310 | 5250.0 | 734.0 | 3450.0 | 782.0 | 200.00 | 666.0 | 627.0 | 132.00 | 388.00 | 50.60 | 326.0 | 55.0 |
| 500S-420W | 2670 | 5680.0 | 889.0 | 4140.0 | 975.0 | 254.00 | 838.0 | 809.0 | 169.00 | 499.00 | 68.50 | 435.0 | 67.2 |
| 500S-460W | 2560 | 5680.0 | 833.0 | 3800.0 | 896.0 | 228.00 | 743.0 | 746.0 | 156.00 | 461.00 | 61.40 | 404.0 | 64.6 |
| 600S-20E | 3110 | 6370.0 | 961.0 | 4250.0 | 950.0 | 232.00 | 783.0 | 758.0 | 157.00 | 448.00 | 60.80 | 389.0 | 64.2 |
| 600S-60E | 2700 | 5020.0 | 855.0 | 3880.0 | 860.0 | 207.00 | 697.0 | 693.0 | 147.00 | 440.00 | 57.50 | 383.0 | 62.7 |
| 600S-100E | 3080 | 7080.0 | 987.0 | 4650.0 | 1050.0 | 256.00 | 880.0 | 838.0 | 168.00 | 515.00 | 66.30 | 428.0 | 70.3 |
| 600S-140E | 3390 | 7620.0 | 1010.0 | 4580.0 | 1040.0 | 254.00 | 871.0 | 818.0 | 164.00 | 478.00 | 64.10 | 418.0 | 66.3 |
| 600S-180E | 2570 | 5710.0 | 828.0 | 3900.0 | 898.0 | 233.00 | 762.0 | 747.0 | 153.00 | 453.00 | 61.50 | 376.0 | 63.0 |
| 600S-260E | 3120 | 6090.0 | 963.0 | 4500.0 | 1010.0 | 252.00 | 864.0 | 814.0 | 168.00 | 493.00 | 64.80 | 434.0 | 68.8 |
| 600S-300E | 3070 | 6790.0 | 964.0 | 4530.0 | 1020.0 | 256.00 | 860.0 | 802.0 | 164.00 | 493.00 | 65.40 | 434.0 | 68.2 |
| 600S-340E | 2970 | 6070.0 | 914.0 | 4260.0 | 965.0 | 241.00 | 850.0 | 770.0 | 161.00 | 473.00 | 63.80 | 404.0 | 65.1 |
| 600S-380E | 3130 | 5780.0 | 991.0 | 4600.0 | 1040.0 | 264.00 | 857.0 | 823.0 | 169.00 | 504.00 | 66.00 | 428.0 | 68.6 |
| 600S-420E | 2920 | 6010.0 | 945.0 | 4400.0 | 1010.0 | 250.00 | 823.0 | 807.0 | 169.00 | 503.00 | 65.00 | 443.0 | 71.1 |
| 600S-460E | 2890 | 4950.0 | 914.0 | 4410.0 | 991.0 | 241.00 | 861.0 | 841.0 | 174.00 | 519.00 | 71.40 | 450.0 | 73.7 |
| 600S-500E | 3370 | 7170.0 | 1040.0 | 4810.0 | 1090.0 | 256.00 | 905.0 | 829.0 | 170.00 | 508.00 | 65.10 | 433.0 | 68.8 |
| BL600S | 2460 | 5100.0 | 828.0 | 3600.0 | 882.0 | 212.00 | 737.0 | 707.0 | 101.00 | 461.00 | 60.30 | 395.0 | 64.5 |
| 600S-20W | 2470 | 5070.0 | 763.0 | 3530.0 | 830.0 | 230.00 | 711.0 | 692.0 | 141.00 | 424.00 | 57.50 | 381.0 | 61.5 |
| 600S-60W | 3050 | 6090.0 | 960.0 | 4440.0 | 1010.0 | 244.00 | 856.0 | 810.0 | 165.00 | 492.00 | 62.30 | 418.0 | 67.5 |
| 600S-100W | 3490 | 8030.0 | 1090.0 | 4960.0 | 1130.0 | 269.00 | 936.0 | 878.0 | 183.00 | 545.00 | 72.30 | 477.0 | 77.3 |
| 600S-140W | 2410 | 5740.0 | 793.0 | 3640.0 | 847.0 | 215.00 | 738.0 | 710.0 | 146.00 | 425.00 | 54.10 | 372.0 | 56.7 |
| 600S-180W | 2710 | 5280.0 | 865.0 | 4050.0 | 940.0 | 237.00 | 777.0 | 757.0 | 157.00 | 459.00 | 62.40 | 411.0 | 65.2 |
| 600S-220W | 3010 | 5230.0 | 959.0 | 4440.0 | 1010.0 | 248.00 | 829.0 | 810.0 | 170.00 | 493.00 | 65.40 | 429.0 | 67.6 |
| 600S-260W | 2810 | 6200.0 | 898.0 | 4160.0 | 959.0 | 245.00 | 823.0 | 781.0 | 161.00 | 473.00 | 62.90 | 424.0 | 64.3 |
| 600S-300W | 2910 | 5720.0 | 911.0 | 4230.0 | 966.0 | 238.00 | 815.0 | 790.0 | 165.00 | 485.00 | 63.20 | 432.0 | 69.5 |
| 600S-340W | 2699 | 7672.9 | 857.0 | 4011.0 | 902.5 | 212.00 | 706.9 | 732.9 | 147.49 | 434.60 | 55.00 | 373.3 | 66.1 |
| 600S-380W | 2410 | 7174.3 | 748.8 | 3465.0 | 780.4 | 182.60 | 607.9 | 642.6 | 126.28 | 385.40 | 48.40 | 320.3 | 57.9 |
| 600S-420W | 1881 | 4348.9 | 649.0 | 3108.0 | 728.6 | 190.00 | 564.3 | 596.4 | 119.95 | 356.70 | 47.00 | 334.6 | 56.2 |
| 600S-460W | 1982 | 5013.7 | 661.4 | 3087.0 | 718.3 | 172.40 | 546.5 | 590.1 | 118.93 | 352.60 | 45.20 | 308.0 | 53.8 |
| 700S-20E | 2987 | 9528.8 | 946.4 | 4347.0 | 979.1 | 226.00 | 748.4 | 751.8 | 154.43 | 451.00 | 57.20 | 383.5 | 69.1 |
| 700S-60E | 2266 | 8282.3 | 744.6 | 3381.0 | 755.6 | 176.80 | 580.1 | 604.8 | 121.79 | 352.60 | 46.80 | 314.2 | 56.8 |
| 700S-100E | 2781 | 6869.6 | 863.2 | 3906.0 | 875.6 | 200.00 | 689.0 | 682.5 | 142.39 | 430.50 | 55.00 | 359.0 | 67.2 |
| 700S-140E | 2657 | 7395.9 | 873.6 | 4158.0 | 943.9 | 226.00 | 756.4 | 777.0 | 153.61 | 467.40 | 56.60 | 395.8 | 69.9 |
| 700S-180E | 2369 | 6121.7 | 777.9 | 3696.0 | 842.5 | 202.00 | 659.3 | 693.0 | 140.76 | 420.25 | 54.00 | 371.3 | 66.6 |
| 700S-300E | 2451 | 6315.6 | 786.3 | 3759.0 | 861.1 | 204.00 | 677.2 | 705.6 | 143.41 | 422.30 | 53.00 | 369.2 | 68.5 |
| 700S-340E | 2843 | 8420.8 | 904.8 | 4200.0 | 935.6 | 210.00 | 746.5 | 741.3 | 146.27 | 428.45 | 56.00 | 379.4 | 66.3 |
| 700S-380E | 2946 | 7700.6 | 944.3 | 4557.0 | 1014.3 | 240.00 | 817.7 | 816.9 | 166.06 | 492.00 | 61.40 | 420.2 | 75.6 |
| 700S-420E | 1638 | 5207.6 | 540.8 | 2520.0 | 552.7 | 133.40 | 449.5 | 451.5 | 88.33 | 268.55 | 34.20 | 226.4 | 39.0 |
| 700S-460E | 3069 | 9362.6 | 994.2 | 4620.0 | 1001.9 | 232.00 | 790.0 | 760.2 | 152.80 | 451.00 | 56.60 | 395.8 | 68.3 |
| 700S-500E | 2616 | 7368.2 | 873.6 | 4158.0 | 919.1 | 214.00 | 722.7 | 739.2 | 147.70 | 440.75 | 56.40 | 387.6 | 67.7 |
| BL700S | 2163 | 5761.6 | 721.8 | 3360.0 | 784.5 | 175.80 | 592.0 | 630.0 | 106.00 | 387.45 | 49.00 | 334.6 | 58.7 |
| 700S-20W | 2822 | 8365.4 | 909.0 | 4263.0 | 962.6 | 214.00 | 736.6 | 751.8 | 146.47 | 432.55 | 56.20 | 385.6 | 63.3 |
| 700S-60W | 2534 | 7562.1 | 807.0 | 3717.0 | 852.8 | 192.00 | 669.2 | 682.5 | 134.44 | 395.65 | 50.80 | 363.1 | 64.4 |
| 700S-100W | 2534 | 8226.9 | 811.2 | 3760.0 | 865.3 | 204.00 | 677.2 | 716.1 | 144.84 | 430.50 | 53.40 | 377.4 | 65.0 |
| 700S-140W | 2513 | 8171.5 | 823.7 | 3927.0 | 863.2 | 208.00 | 695.0 | 716.1 | 144.02 | 422.30 | 55.60 | 363.1 | 65.5 |
| 700S-180W | 2122 | 6592.6 | 673.9 | 3024.0 | 645.8 | 155.40 | 508.9 | 543.9 | 104.45 | 313.65 | 37.40 | 246.8 | 41.2 |
| 700S-220W | 2348 | 6509.5 | 777.9 | 3612.0 | 815.6 | 202.00 | 645.5 | 686.7 | 138.92 | 410.00 | 52.20 | 355.0 | 65.5 |
| 700S-260W | 2390 | 6454.1 | 771.7 | 3675.0 | 842.5 | 196.20 | 635.6 | 684.6 | 137.70 | 397.70 | 51.40 | 352.9 | 63.1 |

| PGE Package: | Lithophile Elements: | | | | | | | | P.G.E.s: | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID: | S.Q. Li | Be | S.Q. Sc | Mn | Rb | Sr | Cs | Ba | Ru | Rh | Pd | Os | Ir | Pt |
| 400S-60W | 140 | 33.4 | 463 | 309000 | 396.0 | 19728 | 11.0 | 78800 | 0.4 | -5 | 2 | -0.1 | -10 | 0.2 |
| 400S-100W | 143 | 23.2 | 543 | 313000 | 309.0 | 16128 | 10.3 | 88800 | 0.3 | -5 | 2 | -0.1 | -10 | 0.2 |
| 400S-140W | 214 | 19.3 | 396 | 284000 | 340.0 | 22968 | 11.0 | 76640 | 0.3 | -5 | 2 | -0.1 | -10 | -0.1 |
| 400S-180W | 195 | 37.1 | 456 | 275000 | 267.0 | 17352 | 5.3 | 68320 | 0.4 | -5 | 2 | 0.2 | -10 | 0.1 |
| 400S-220W | 131 | 26.1 | 444 | 335000 | 232.0 | 16200 | 4.9 | 72720 | 0.4 | -5 | 1 | -0.1 | -10 | -0.1 |
| 400S-260W | 152 | 22.1 | 427 | 255000 | 217.0 | 13680 | 5.0 | 75600 | 0.3 | -5 | 2 | -0.1 | -10 | 0.2 |
| 400S-300W | 140 | 29.2 | 518 | 316000 | 270.0 | 14616 | 7.9 | 63200 | 0.3 | -5 | 2 | -0.1 | -10 | 0.2 |
| 400S-340W | 146 | 28.8 | 440 | 387000 | 190.0 | 13608 | 5.0 | 74240 | -0.2 | -5 | 2 | -0.1 | -10 | 0.2 |
| 400S-380W | 115 | 24.0 | 419 | 310000 | 190.0 | 20016 | 5.6 | 51600 | 0.4 | -5 | 2 | -0.1 | -10 | -0.1 |
| 400S-420W | 210 | 36.1 | 506 | 331000 | 239.0 | 7632 | 5.7 | 51840 | -0.2 | -5 | 2 | 0.1 | -10 | 0.3 |
| 400S-460W | 146 | 27.7 | 446 | 420000 | 184.0 | 16848 | 3.3 | 50000 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 400S-500W | 93 | 6.3 | 341 | 312000 | 147.0 | 72120 | 13.9 | 65520 | 1.4 | -5 | -1 | 0.1 | -10 | -0.1 |
| 500S-20E | 138 | 31.5 | 329 | 254000 | 210.0 | 32880 | 6.2 | 65600 | 0.4 | -5 | 2 | -0.1 | -10 | 0.2 |
| 500S-60E | 129 | 36.6 | 388 | 236000 | 135.0 | 11580 | 3.2 | 69280 | -0.2 | -5 | 3 | 0.2 | -10 | 0.2 |
| 500S-100E | 132 | 26.2 | 304 | 324000 | 331.0 | 13920 | 10.9 | 65840 | 0.2 | -5 | 2 | -0.1 | -10 | 0.3 |
| 500S-220E | 93 | 13.9 | 340 | 310000 | 228.0 | 11160 | 6.2 | 45200 | -0.2 | -5 | 1 | -0.1 | -10 | 0.1 |
| 500S-260E | 166 | 23.7 | 246 | 335000 | 186.0 | 10728 | 8.9 | 52240 | -0.2 | -5 | -1 | -0.1 | -10 | 0.1 |
| 500S-300E | 112 | 17.4 | 362 | 236000 | 259.0 | 21840 | 9.1 | 47760 | -0.2 | -5 | -1 | -0.1 | -10 | 0.1 |
| 500S-340E | 124 | 24.5 | 275 | 282000 | 215.0 | 11892 | 5.9 | 45360 | -0.2 | -5 | 1 | -0.1 | -10 | 0.1 |
| 500S-380E | 99 | 28.5 | 478 | 283000 | 185.0 | 26520 | 5.3 | 50480 | 0.2 | -5 | 2 | -0.1 | -10 | 0.2 |
| 500S-420E | 102 | 20.3 | 341 | 317000 | 155.0 | 26760 | 5.5 | 50480 | -0.2 | -5 | -1 | 0.1 | -10 | 0.1 |
| 500S-460E | 124 | 27.6 | 288 | 302000 | 230.0 | 22560 | 6.3 | 59200 | 0.2 | -5 | 2 | -0.1 | -10 | 0.2 |
| 500S-500E | 139 | 22.4 | 428 | 416000 | 278.0 | 23520 | 5.0 | 63920 | -0.2 | -5 | 2 | -0.1 | -10 | 0.2 |
| BL500S | 106 | 29.3 | 548 | 380000 | 267.0 | 12800 | 4.1 | 54160 | -0.2 | -5 | 3 | -0.1 | -10 | 0.2 |
| 500S-20W | 135 | 37.5 | 453 | 301000 | 141.0 | 27360 | 3.5 | 67520 | -0.2 | -5 | 2 | -0.1 | -10 | 0.2 |
| 500S-60W | 180 | 37.2 | 478 | 332000 | 286.0 | 11412 | 7.6 | 58960 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 500S-100W | 127 | 25.1 | 303 | 376000 | 166.0 | 11520 | 3.2 | 66240 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 500S-140W | 174 | 33.0 | 525 | 409000 | 244.0 | 23760 | 5.7 | 78320 | -0.2 | -5 | 3 | -0.1 | -10 | 0.2 |
| 500S-180W | 146 | 35.3 | 425 | 360000 | 256.0 | 12600 | 6.0 | 60000 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 500S-220W | 157 | 28.9 | 369 | 266000 | 184.0 | 12960 | 5.8 | 57360 | -0.2 | -5 | 2 | -0.1 | -10 | 0.2 |
| 500S-260W | 143 | 24.6 | 429 | 303000 | 271.0 | 12480 | 8.7 | 67200 | 0.3 | -5 | 1 | -0.1 | -10 | 0.2 |
| 500S-300W | 164 | 32.7 | 501 | 362000 | 215.0 | 12960 | 5.7 | 62320 | -0.2 | -5 | 2 | -0.1 | -10 | 0.2 |
| 500S-340W | 140 | 31.0 | 444 | 361000 | 229.0 | 13080 | 5.4 | 62400 | -0.2 | -5 | 1 | -0.1 | -10 | 0.2 |
| 500S-380W | 98 | 22.3 | 350 | 303000 | 156.0 | 13680 | 3.0 | 38640 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 500S-420W | 393 | 45.2 | 217 | 49800 | 501.0 | 28320 | 17.9 | 27360 | 0.4 | -5 | 2 | 0.1 | -10 | -0.1 |
| 500S-460W | 163 | 28.7 | 330 | 289000 | 200.0 | 69720 | 9.0 | 38080 | 0.5 | -5 | 2 | -0.1 | -10 | -0.1 |
| 600S-20E | 159 | 34.8 | 401 | 226000 | 271.0 | 12960 | 9.3 | 56240 | -0.2 | -5 | 2 | -0.1 | -10 | 0.2 |
| 600S-60E | 143 | 27.9 | 509 | 337000 | 231.0 | 26880 | 5.4 | 68240 | 0.3 | -5 | 2 | 0.1 | -10 | 0.2 |
| 600S-100E | 156 | 29.5 | 302 | 371000 | 184.0 | 22680 | 3.8 | 67360 | -0.2 | -5 | 2 | -0.1 | -10 | 0.2 |
| 600S-140E | 197 | 28.7 | 556 | 390000 | 416.0 | 11376 | 12.1 | 65440 | -0.2 | -5 | 2 | 0.2 | -10 | 0.1 |
| 600S-180E | 156 | 18.5 | 347 | 303000 | 140.0 | 27120 | 3.9 | 48720 | 0.6 | -5 | -1 | -0.1 | -10 | -0.1 |
| 600S-260E | 139 | 24.2 | 386 | 365000 | 227.0 | 14760 | 5.7 | 50480 | -0.2 | -5 | 2 | -0.1 | -10 | 0.2 |
| 600S-300E | 132 | 33.3 | 343 | 347000 | 125.0 | 14160 | 6.8 | 46960 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 600S-340E | 134 | 35.8 | 377 | 238000 | 112.0 | 13440 | 3.2 | 51760 | 0.2 | -5 | 1 | -0.1 | -10 | 0.1 |
| 600S-380E | 124 | 27.2 | 351 | 317000 | 185.0 | 14280 | 5.4 | 44480 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 600S-420E | 150 | 20.4 | 327 | 283000 | 208.0 | 12360 | 5.8 | 48800 | 0.2 | -5 | 1 | -0.1 | -10 | 0.1 |
| 600S-460E | 129 | 39.8 | 448 | 240000 | 195.0 | 13080 | 4.6 | 49840 | -0.2 | -5 | 2 | -0.1 | -10 | 0.2 |
| 600S-500E | 157 | 25.1 | 320 | 281000 | 231.0 | 12480 | 4.8 | 54640 | 0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| BL600S | 105 | 23.7 | 515 | 269000 | 280.0 | 13800 | 5.1 | 43360 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 600S-20W | 145 | 28.6 | 471 | 284000 | 156.0 | 11976 | 10.6 | 46800 | 0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 600S-60W | 173 | 29.5 | 399 | 256000 | 290.0 | 10944 | 8.7 | 44640 | 0.3 | -5 | 2 | -0.1 | -10 | 0.1 |
| 600S-100W | 197 | 37.9 | 579 | 331000 | 268.0 | 15960 | 6.4 | 68560 | -0.2 | -5 | 3 | -0.1 | -10 | 0.4 |
| 600S-140W | 142 | 21.7 | 405 | 392000 | 165.0 | 9708 | 4.0 | 44560 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 600S-180W | 193 | 25.7 | 409 | 260000 | 258.0 | 14760 | 7.2 | 44640 | -0.2 | -5 | 1 | -0.1 | -10 | 0.3 |
| 600S-220W | 164 | 39.9 | 554 | 255000 | 188.0 | 12600 | 4.3 | 43680 | -0.2 | -5 | 2 | 0.1 | -10 | 0.1 |
| 600S-260W | 200 | 37.4 | 404 | 302000 | 193.0 | 13320 | 5.3 | 53360 | -0.2 | -5 | 1 | -0.1 | -10 | 0.1 |
| 600S-300W | 195 | 28.4 | 406 | 308000 | 278.0 | 12480 | 6.1 | 50880 | 0.4 | -5 | 1 | -0.1 | -10 | 0.1 |
| 600S-340W | 99 | 28.1 | 404 | 187680 | 174.0 | 9684 | 3.8 | 49500 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 600S-380W | 79 | 31.1 | 344 | 279680 | 200.0 | 12600 | 6.6 | 45600 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 600S-420W | 332 | 38.3 | 243 | 71944 | 393.0 | 22080 | 15.8 | 29600 | -0.2 | -5 | 3 | -0.1 | -10 | -0.1 |
| 600S-460W | 126 | 24.5 | 376 | 169520 | 269.0 | 41160 | 10.1 | 37700 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 700S-20E | 157 | 37.8 | 399 | 294400 | 276.0 | 15840 | 5.7 | 68700 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 700S-60E | 125 | 26.6 | 383 | 342240 | 251.0 | 17040 | 4.7 | 57100 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 700S-100E | 212 | 51.8 | 485 | 167440 | 543.0 | 16800 | 15.5 | 69800 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 700S-140E | 150 | 28.8 | 365 | 209760 | 240.0 | 12600 | 5.5 | 65300 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 700S-180E | 130 | 31.7 | 404 | 161368 | 269.0 | 14760 | 7.3 | 61100 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 700S-300E | 136 | 35.6 | 364 | 135976 | 221.0 | 13800 | 3.9 | 61000 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 700S-340E | 131 | 32.4 | 419 | 222640 | 177.0 | 12840 | 3.6 | 50500 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 700S-380E | 151 | 36.0 | 374 | 235520 | 262.0 | 15120 | 5.9 | 58900 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 700S-420E | 91 | 20.0 | 336 | 252080 | 279.0 | 12120 | 6.8 | 42500 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 700S-460E | 198 | 47.3 | 381 | 242880 | 222.0 | 17040 | 6.0 | 51600 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 700S-500E | 132 | 24.3 | 403 | 268640 | 270.0 | 11976 | 3.8 | 49700 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| BL700S | 108 | 34.4 | 463 | 174432 | 266.0 | 14760 | 5.6 | 46400 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 700S-20W | 140 | 34.4 | 349 | 281520 | 244.0 | 11352 | 4.6 | 51900 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 700S-60W | 197 | 26.8 | 380 | 244720 | 328.0 | 13800 | 6.7 | 61500 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 700S-100W | 160 | 52.7 | 463 | 257600 | 268.0 | 13440 | 7.0 | 57300 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 700S-140W | 95 | 33.5 | 399 | 252080 | 177.0 | 14880 | 2.9 | 58400 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 700S-180W | 97 | 37.4 | 432 | 154192 | 139.0 | 11340 | 4.6 | 48100 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 700S-220W | 119 | 35.1 | 343 | 222640 | 85.0 | 13680 | 1.5 | 50500 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 700S-260W | 147 | 28.8 | 357 | 204240 | 288.0 | 15720 | 9.2 | 54300 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |

| PGE Package: | Rare Earth Elements: | | | | | | | | | | | | | Lithophile Elements: | | | | | | | | P.G.E.s: | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID: | La | Ce | Pr | Nd | Sm | Eu | Gd | Dy | Ho | Er | Tm | Yb | Lu | S.Q. Li | Be | S.Q. Sc | Mn | Rb | Sr | Cs | Ba | Ru | Rh | Pd | Os | Ir | Pt |
| 700S-300W | 2245 | 5678.5 | 725.9 | 3444.0 | 799.0 | 196.20 | 619.7 | 672.0 | 134.23 | 389.50 | 50.20 | 346.8 | 62.2 | 139 | 33.3 | 289 | 156216 | 191.0 | 10140 | 8.1 | 53700 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 700S-340W | 1963 | 6232.5 | 690.6 | 3255.0 | 751.4 | 194.40 | 603.9 | 665.7 | 134.84 | 399.75 | 51.60 | 346.8 | 60.9 | 112 | 28.1 | 500 | 276000 | 153.0 | 14520 | 12.3 | 37400 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 700S-380W | 2287 | 6841.9 | 813.3 | 3685.0 | 894.2 | 214.00 | 663.3 | 724.5 | 146.68 | 442.80 | 52.40 | 377.4 | 67.2 | 195 | 35.8 | 399 | 231840 | 248.0 | 18960 | 5.3 | 38900 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 700S-420W | 2023 | 5346.1 | 707.2 | 3339.0 | 789.0 | 200.00 | 594.0 | 663.6 | 129.54 | 389.50 | 49.60 | 344.8 | 59.2 | 148 | 38.1 | 387 | 200560 | 179.0 | 21120 | 5.3 | 44800 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 700S-460W | 2101 | 5844.7 | 755.0 | 3654.0 | 846.6 | 222.00 | 669.2 | 718.2 | 146.68 | 446.90 | 55.80 | 381.5 | 69.6 | 236 | 31.5 | 367 | 239200 | 319.0 | 20760 | 14.5 | 39400 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 700S-500W | 2348 | 5955.5 | 769.6 | 3570.0 | 809.4 | 187.00 | 639.5 | 674.1 | 135.86 | 407.95 | 51.00 | 369.2 | 63.9 | 147 | 37.7 | 527 | 204240 | 337.0 | 17160 | 7.1 | 44800 | -0.2 | -5 | 3 | 0.2 | -10 | -0.1 |
| 800S-202 | 2616 | 6758.8 | 852.8 | 4011.0 | 912.9 | 212.00 | 700.9 | 720.3 | 143.41 | 426.40 | 54.00 | 375.4 | 67.7 | 162 | 38.8 | 437 | 184000 | 208.0 | 12840 | 3.7 | 51700 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 800S-60E | 2513 | 7118.9 | 811.2 | 3717.0 | 854.9 | 198.40 | 665.3 | 663.6 | 132.60 | 385.40 | 49.40 | 342.7 | 60.6 | 196 | 34.4 | 448 | 217120 | 300.0 | 15840 | 6.0 | 53400 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 800S-100E | 2966 | 8559.3 | 975.5 | 4389.0 | 979.1 | 230.00 | 774.2 | 774.9 | 152.39 | 448.95 | 57.00 | 399.8 | 67.2 | 193 | 42.6 | 485 | 340400 | 201.0 | 16320 | 3.6 | 61300 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 800S-140E | 2019 | 5983.2 | 669.8 | 3150.0 | 716.2 | 174.00 | 576.2 | 581.7 | 119.95 | 364.90 | 44.80 | 328.4 | 56.0 | 151 | 27.7 | 446 | 241040 | 232.0 | 15360 | 3.8 | 75600 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 800S-180E | 1351 | 4404.3 | 461.8 | 2205.0 | 523.7 | 141.20 | 407.9 | 432.6 | 88.13 | 254.20 | 33.20 | 238.7 | 37.4 | 134 | 34.1 | 311 | 123096 | 184.0 | 14160 | 8.6 | 51400 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 800S-220E | 1936 | 6454.1 | 624.0 | 2835.0 | 639.6 | 153.40 | 510.8 | 506.1 | 98.74 | 295.20 | 36.40 | 253.0 | 42.9 | 83 | 21.1 | 307 | 312800 | 216.0 | 15120 | 5.2 | 45800 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 800S-300E | 1790 | 5706.2 | 611.5 | 2877.0 | 687.2 | 166.40 | 554.4 | 556.5 | 111.18 | 352.60 | 43.60 | 295.8 | 50.0 | 161 | 36.6 | 288 | 176088 | 120.0 | 15720 | 2.0 | 42100 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 800S-340E | 2245 | 4986.0 | 746.7 | 3570.0 | 799.0 | 184.80 | 663.3 | 634.2 | 131.17 | 399.75 | 50.80 | 340.7 | 61.4 | 138 | 23.7 | 381 | 142232 | 243.0 | 10956 | 3.7 | 58100 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 800S-380E | 2472 | 7894.5 | 807.0 | 3780.0 | 867.3 | 202.00 | 710.8 | 690.9 | 137.90 | 407.95 | 52.00 | 367.2 | 62.0 | 155 | 43.9 | 379 | 173144 | 152.0 | 12720 | 2.5 | 52700 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 800S-420E | 2369 | 7672.9 | 844.5 | 3927.0 | 921.2 | 246.00 | 774.2 | 747.6 | 148.31 | 424.35 | 52.60 | 383.5 | 69.9 | 122 | 43.0 | 597 | 181240 | 199.0 | 14640 | 4.9 | 62900 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 800S-460E | 1967 | 5401.5 | 711.4 | 3465.0 | 873.5 | 246.00 | 706.9 | 735.0 | 144.23 | 424.35 | 54.40 | 381.5 | 66.1 | 151 | 49.8 | 603 | 277840 | 77.8 | 14040 | 2.5 | 77400 | -0.2 | -5 | 2 | 0.2 | -10 | -0.1 |
| 800S-500E | 1574 | 4847.5 | 567.8 | 2667.0 | 637.6 | 175.00 | 530.6 | 518.7 | 98.12 | 299.30 | 36.80 | 267.2 | 42.3 | 237 | 33.0 | 500 | 288880 | 175.0 | 18240 | 8.2 | 103000 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| BL800S | 1998 | 5484.6 | 723.8 | 3381.0 | 784.5 | 181.20 | 649.4 | 623.7 | 101.00 | 393.60 | 48.80 | 350.9 | 65.0 | 112 | 39.7 | 474 | 184000 | 293.0 | 15960 | 5.6 | 44000 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 800S-20W | 2699 | 7562.1 | 919.4 | 4242.0 | 977.0 | 230.00 | 746.5 | 798.0 | 154.43 | 467.40 | 57.60 | 406.0 | 68.3 | 184 | 56.7 | 464 | 248400 | 147.0 | 15720 | 1.9 | 50400 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 800S-60W | 2307 | 7423.6 | 787.5 | 3612.0 | 817.7 | 180.80 | 641.5 | 646.8 | 128.11 | 377.20 | 45.20 | 324.4 | 53.8 | 171 | 33.5 | 384 | 253920 | 335.0 | 12360 | 5.1 | 46300 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 800S-100W | 2163 | 7008.1 | 753.0 | 3528.0 | 774.2 | 185.80 | 596.0 | 613.2 | 117.71 | 362.85 | 45.00 | 314.2 | 52.1 | 152 | 39.2 | 287 | 255760 | 165.0 | 13440 | 2.8 | 42600 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 800S-140W | 2122 | 5456.9 | 707.2 | 3192.0 | 720.4 | 161.60 | 566.3 | 569.1 | 112.20 | 330.05 | 38.40 | 285.6 | 48.6 | 181 | 27.5 | 346 | 191360 | 367.0 | 11112 | 8.1 | 50800 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 800S-180W | 5525 | 8825.2 | 1347.8 | 5985.0 | 1279.3 | 304.00 | 1069.2 | 1003.8 | 192.58 | 559.65 | 72.60 | 473.3 | 82.3 | 187 | 23.0 | 376 | 511078 | 351.0 | 16560 | 7.3 | 49500 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 800S-220W | 5284 | 8293.4 | 1260.5 | 5775.0 | 1275.1 | 304.00 | 1047.4 | 1020.6 | 198.90 | 571.95 | 74.60 | 499.8 | 83.6 | 147 | 28.6 | 476 | 508723 | 184.0 | 21600 | 2.8 | 51200 | -0.2 | -5 | 1 | -0.1 | -10 | 0.2 |
| 800S-260W | 5131 | 8343.2 | 1227.2 | 5544.0 | 1246.1 | 296.00 | 1051.4 | 1008.0 | 197.06 | 578.10 | 74.40 | 497.8 | 84.0 | 129 | 27.9 | 462 | 582912 | 198.0 | 17760 | 4.9 | 44700 | -0.2 | -5 | 1 | -0.1 | -10 | 0.2 |
| 800S-300W | 3188 | 6581.5 | 958.8 | 4347.0 | 989.5 | 248.00 | 841.5 | 835.8 | 162.69 | 479.70 | 61.60 | 408.0 | 71.4 | 109 | 23.6 | 503 | 447488 | 140.0 | 17760 | 5.0 | 34600 | -0.2 | -5 | 1 | -0.1 | -10 | 0.3 |
| 800S-340W | 4738 | 7828.0 | 1177.3 | 5313.0 | 1211.0 | 310.00 | 1053.4 | 1005.9 | 201.35 | 592.45 | 78.80 | 516.1 | 85.9 | 120 | 22.1 | 403 | 593510 | 188.0 | 30240 | 5.8 | 47400 | -0.2 | -5 | 1 | -0.1 | -10 | 0.2 |
| 800S-380W | 3603 | 6481.8 | 1139.8 | 5166.0 | 1134.4 | 284.00 | 978.1 | 936.6 | 187.27 | 547.35 | 72.20 | 483.5 | 84.4 | 132 | 23.0 | 442 | 520499 | 291.0 | 39600 | 7.1 | 50300 | -0.2 | -5 | -1 | -0.1 | -10 | 0.2 |
| 800S-420W | 5219 | 7395.9 | 1277.1 | 5859.0 | 1341.4 | 332.00 | 1126.6 | 1113.0 | 214.20 | 629.35 | 80.60 | 544.7 | 89.5 | 197 | 26.6 | 424 | 476106 | 468.0 | 24120 | 16.7 | 50200 | -0.2 | -5 | 1 | -0.1 | -10 | 0.3 |
| 800S-460W | 4651 | 6947.2 | 1235.5 | 5943.0 | 1428.3 | 398.00 | 1233.5 | 1241.1 | 248.88 | 715.45 | 90.80 | 612.0 | 101.6 | 174 | 21.2 | 246 | 499302 | 467.0 | 29520 | 19.1 | 38500 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 800S-500W | 5808 | 9207.5 | 1416.5 | 6321.0 | 1372.4 | 342.00 | 1178.1 | 1138.2 | 224.40 | 670.35 | 84.20 | 559.0 | 91.8 | 159 | 25.0 | 500 | 597043 | 437.0 | 25920 | 14.6 | 51200 | -0.2 | -5 | 1 | -0.1 | -10 | 0.2 |
| 900S-20E | 3013 | 5517.8 | 813.3 | 3570.0 | 774.2 | 218.00 | 685.1 | 625.8 | 120.97 | 352.60 | 44.80 | 304.0 | 58.0 | 99 | 6.2 | 147 | 485171 | 112.0 | 87600 | 4.7 | 55600 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 900S-60E | 7948 | 11983.0 | 1782.6 | 7812.0 | 1668.4 | 404.00 | 1494.9 | 1308.3 | 259.08 | 762.60 | 97.60 | 626.3 | 108.4 | 137 | 33.8 | 407 | 541696 | 296.0 | 21500 | 5.3 | 63300 | -0.2 | -5 | -1 | -0.1 | -10 | 0.1 |
| 900S-100E | 4935 | 7429.1 | 1374.9 | 6111.0 | 1355.9 | 352.00 | 1199.9 | 1115.1 | 226.44 | 658.05 | 86.00 | 573.2 | 103.1 | 89 | 26.8 | 279 | 268493 | 145.0 | 26400 | 2.9 | 73100 | -0.2 | -5 | 1 | -0.1 | -10 | 0.2 |
| 900S-140E | 4913 | 9556.5 | 1424.8 | 6468.0 | 1411.7 | 342.00 | 1199.9 | 1119.3 | 214.20 | 627.30 | 80.80 | 559.0 | 97.9 | 137 | 24.1 | 383 | 383898 | 302.0 | 17400 | 5.6 | 64200 | -0.2 | -5 | -1 | 0.1 | -10 | 0.2 |
| 900S-180E | 5131 | 7977.6 | 1449.8 | 6342.0 | 1384.8 | 312.00 | 1184.0 | 1083.6 | 210.12 | 604.75 | 78.40 | 538.6 | 97.4 | 114 | 29.7 | 446 | 342682 | 195.0 | 15900 | 3.8 | 58700 | -0.2 | -5 | -1 | -0.1 | -10 | 0.2 |
| 900S-220E | 4542 | 9822.4 | 1387.4 | 6426.0 | 1446.9 | 366.00 | 1283.0 | 1173.9 | 228.48 | 694.95 | 87.80 | 589.2 | 104.8 | 119 | 19.9 | 308 | 398029 | 324.0 | 13500 | 7.4 | 43100 | -0.2 | -5 | -1 | -0.1 | -10 | 0.1 |
| 900S-260E | 2410 | 4720.1 | 682.2 | 2982.0 | 674.8 | 171.60 | 617.8 | 558.6 | 107.71 | 307.50 | 39.20 | 269.3 | 60.5 | 124 | 8.3 | 181 | 337971 | 98.6 | 15500 | 3.4 | 42300 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 900S-300E | 3687 | 8143.8 | 1112.8 | 4851.0 | 1039.1 | 256.00 | 918.7 | 814.8 | 155.65 | 461.25 | 59.40 | 395.8 | 76.7 | 176 | 12.7 | 226 | 427469 | 291.0 | 30900 | 6.2 | 46900 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 900S-340E | 1407 | 2160.6 | 359.8 | 1593.9 | 383.0 | 120.60 | 354.4 | 359.1 | 70.38 | 211.15 | 28.20 | 192.0 | 50.0 | 52 | 4.1 | 286 | 412160 | 146.0 | 32700 | 5.5 | 30200 | -0.2 | -5 | 1 | 0.1 | -10 | -0.1 |
| 900S-380E | 3337 | 4670.2 | 1046.2 | 4914.0 | 1111.6 | 266.00 | 952.4 | 942.9 | 187.48 | 549.40 | 71.60 | 487.6 | 91.4 | 253 | 26.3 | 302 | 314840 | 206.0 | 20600 | 6.1 | 37200 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 900S-420E | 3935 | 11185.3 | 1456.0 | 6909.0 | 1786.4 | 588.00 | 1599.8 | 1596.0 | 314.16 | 877.40 | 110.80 | 734.4 | 115.1 | 170 | 27.5 | 393 | 379040 | 208.0 | 20400 | 19.4 | 38200 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 900S-460E | 2616 | 8359.9 | 1040.0 | 5250.0 | 1529.7 | 500.00 | 1391.9 | 1501.5 | 289.68 | 803.60 | 102.40 | 679.3 | 118.9 | 196 | 29.0 | 363 | 345920 | 81.5 | 16600 | 6.0 | 23300 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 900S-500E | 2493 | 3689.1 | 694.7 | 3087.0 | 701.7 | 210.00 | 611.8 | 581.7 | 112.40 | 315.70 | 40.60 | 277.4 | 62.2 | 191 | 6.5 | 164 | 364320 | 195.0 | 60500 | 16.4 | 54500 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| BL900S | 2940 | 7379.3 | 870.0 | 3733.0 | 758.0 | 160.00 | 626.0 | 633.0 | 102.57 | 319.00 | 53.00 | 354.0 | 58.0 | 127 | 30.2 | 422 | 260640 | 303.0 | 16500 | 6.1 | 41800 | -0.2 | -5 | 1 | -0.1 | -10 | 0.2 |
| 900S-20W | 4347 | 10670.0 | 1362.4 | 6006.0 | 1347.6 | 348.00 | 1174.1 | 1148.7 | 224.40 | 686.75 | 91.00 | 628.3 | 112.1 | 102 | 28.6 | 481 | 209760 | 245.0 | 86500 | 3.9 | 16800 | -0.2 | -5 | 1 | -0.1 | -10 | 0.3 |
| 900S-60W | 4182 | 7578.7 | 1318.7 | 5964.0 | 1335.2 | 338.00 | 1166.2 | 1081.5 | 210.12 | 608.85 | 78.00 | 559.0 | 98.1 | 120 | 15.9 | 218 | 837200 | 156.0 | 70800 | 5.3 | 36000 | -0.2 | -5 | -1 | -0.1 | -10 | 0.1 |
| 900S-100W | 3214 | 7628.6 | 950.6 | 4347.0 | 962.6 | 236.00 | 841.5 | 777.0 | 147.29 | 430.50 | 56.20 | 383.5 | 65.1 | 112 | 22.7 | 177 | 421360 | 512.0 | 70700 | 17.8 | 80200 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 900S-140W | 3420 | 5700.7 | 1096.2 | 4956.0 | 1080.5 | 274.00 | 982.1 | 892.5 | 169.32 | 504.30 | 66.20 | 432.5 | 75.6 | 109 | 23.2 | 431 | 292560 | 193.0 | 23400 | 7.3 | 58000 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 900S-180W | 2966 | 4304.6 | 927.7 | 4095.0 | 927.4 | 228.00 | 799.9 | 751.8 | 151.37 | 444.85 | 58.20 | 385.6 | 65.5 | 94 | 22.0 | 370 | 344080 | 154.0 | 17900 | 2.3 | 41100 | -0.2 | -5 | -1 | -0.1 | -10 | 0.1 |
| 900S-220W | 3584 | 6348.8 | 1114.9 | 5040.0 | 1084.7 | 266.00 | 938.5 | 886.2 | 175.24 | 518.65 | 66.40 | 457.0 | 79.4 | 109 | 27.6 | 474 | 360640 | 231.0 | 18600 | 5.5 | 53300 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 900S-260W | 3275 | 5600.9 | 1004.6 | 4494.0 | 983.3 | 244.00 | 861.1 | 837.9 | 168.10 | 483.60 | 63.60 | 440.6 | 77.7 | 104 | 19.2 | 424 | 344080 | 384.0 | 21500 | 15.1 | 48000 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 900S-300W | 3667 | 7279.6 | 1085.8 | 4809.0 | 1041.2 | 264.00 | 922.7 | 858.9 | 165.85 | 485.85 | 61.20 | 420.2 | 73.7 | 150 | 33.3 | 498 | 382720 | 431.0 | 23900 | 13.3 | 71100 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 900S-340W | 4862 | 8310.0 | 1514.2 | 6867.0 | 1521.5 | 372.00 | 1336.5 | 1197.0 | 246.84 | 719.55 | 89.60 | 616.1 | 103.5 | 137 | 35.7 | 393 | 320160 | 365.0 | 17700 | 12.5 | 53300 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 900S-380W | 3543 | 6614.8 | 1117.0 | 5208.0 | 1150.9 | 290.00 | 1035.5 | 959.7 | 190.94 | 569.90 | 72.60 | 487.6 | 83.8 | 143 | 27.7 | 412 | 366160 | 300.0 | 15300 | 7.3 | 49000 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 900S-420W | 2637 | 5883.5 | 896.5 | 4116.0 | 962.6 | 252.00 | 871.2 | 856.8 | 169.12 | 506.35 | 66.80 | 448.8 | 74.6 | 116 | 15.6 | 344 | 469200 | 353.0 | 24700 | 9.4 | 43100 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 900S-460W | 2884 | 6431.9 | 919.4 | 4095.0 | 950.1 | 254.00 | 839.5 | 774.9 | 152.18 | 444.85 | 56.00 | 383.5 | 66.4 | 104 | 10.4 | 180 | 331200 | 215.0 | 38700 | 11.4 | 35400 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 900S-500W | 3234 | 6614.8 | 1004.6 | 4452.0 | 989.5 | 240.00 | 867.2 | 819.0 | 163.81 | 485.85 | 62.20 | 410.0 | 71.4 | 113 | 28.1 | 438 | 368000 | 304.0 | 21600 | 8.5 | 45400 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1000S-20E | 3440 | 6581.5 | 1021.3 | 4683.0 | 1057.8 | 258.00 | 922.7 | 848.4 | 173.81 | 510.45 | 64.80 | 430.4 | 73.9 | 130 | 29.8 | 350 | 279680 | 244.0 | 16200 | 4.9 | 50300 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1000S-60E | 3502 | 7794.8 | 1050.4 | 4620.0 | 1016.4 | 250.00 | 924.7 | 814.8 | 159.53 | 467.40 | 61.00 | 410.0 | 68.5 | 107 | 35.1 | 397 | 524400 | 297.0 | 13700 | 4.4 | 55700 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1000S-100E | 3543 | 6764.3 | 1033.8 | 4368.0 | 939.8 | 224.00 | 819.7 | 747.6 | 150.76 | 436.65 | 55.80 | 373.3 | 67.0 | 132 | 38.1 | 475 | 279680 | 497.0 | 18000 | 13.0 | 66600 | -0.2 | -5 | -1 | -0.1 | -10 | 0.2 |
| 1000S-140E | 3914 | 7612.0 | 1166.9 | 5124.0 | 1105.4 | 270.00 | 958.3 | 867.3 | 171.97 | 506.35 | 65.80 | 430.4 | 74.6 | 164 | 25.4 | 354 | 296240 | 327.0 | 17500 | 6.9 | 61700 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1000S-180E | 3399 | 4371.1 | 998.4 | 4557.0 | 1012.2 | 238.00 | 855.4 | 814.8 | 157.90 | 471.50 | 61.40 | 406.0 | 70.4 | 139 | 34.2 | 344 | 202400 | 139.0 | 14500 | 3.4 | 59700 | -0.2 | -5 | -1 | -0.1 | -10 | 0.1 |
| 1000S-220E | 3564 | 6581.5 | 1054.6 | 4683.0 | 1014.3 | 244.00 | 887.0 | 823.2 | 161.57 | 463.30 | 60.20 | 420.2 | 71.6 | 163 | 35.7 | 399 | 329360 | 465.0 | 19300 | 12.0 | 66500 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1000S-260E | 3502 | 4653.6 | 1067.0 | 4998.0 | 1126.1 | 276.00 | 962.3 | 905.1 | 176.66 | 508.40 | 65.60 | 442.7 | 75.6 | 97 | 23.1 | 309 | 301760 | 288.0 | 13100 | 6.3 | 43000 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1000S-300E | 3193 | 6082.9 | 988.0 | 4431.0 | 966.7 | 230.00 | 855.4 | 791.7 | 158.10 | 465.35 | 59.20 | 401.9 | 69.1 | 122 | 25.7 | 312 | 314640 | 293.0 | 18000 | 5.0 | 51100 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1000S-340E | 857 | 2207.7 | 218.4 | 963.9 | 223.6 | 70.80 | 207.9 | 206.6 | 40.19 | 123.82 | 17.62 | 110.4 | 27.5 | 11 | 4.9 | 290 | 242880 | 110.0 | 35200 | 3.5 | 15100 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1000S-420E | 2884 | 7146.6 | 863.2 | 3906.0 | 867.3 | 224.00 | 748.4 | 711.9 | 136.68 | 401.80 | 49.80 | 336.6 | 60.1 | 100 | 29.3 | 337 | 255760 | 314.0 | 16200 | 6.9 | 74100 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1000S-460E | 1961 | 5789.3 | 613.6 | 2898.0 | 668.6 | 183.00 | 576.2 | 562.3 | 105.67 | 311.60 | 39.00 | 277.4 | 48.7 | 103 | 24.9 | 278 | 277840 | 192.0 | 14900 | 3.9 | 56500 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1000S-500E | 1086 | 2628.7 | 295.4 | 1304.1 | 300.2 | 90.80 | 263.3 | 252.0 | 48.35 | 139.81 | 17.70 | 118.3 | 26.9 | 24 | 4.2 | 147 | 115368 | 93.9 | 27400 | 9.3 | 43100 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| BL1000S | 2225 | 5789.3 | 738.4 | 3318.0 | 724.5 | 176.60 | 631.6 | 594.3 | 121.38 | 364.90 | 48.80 | 314.2 | 56.1 | 116 | 23.0 | 371 | 235520 | 280.0 | 15600 | 4.5 | 43800 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1000S-20W | 2760 | 6564.9 | 819.5 | 3633.0 | 819.7 | 200.00 | 691.0 | 659.4 | 133.01 | 383.35 | 49.00 | 336.6 | 61.5 | 122 | 22.4 | 463 | 272320 | 325.0 | 22900 | 6.0 | 58300 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1000S-60W | 2122 | 5152.2 | 634.4 | 2835.0 | 627.2 | 158.60 | 546.5 | 504.0 | 100.37 | 295.20 | 37.80 | 265.2 | 49.1 | 89 | 32.1 | 472 | 241040 | 400.0 | 28900 | 16.5 | 53400 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1000S-100W | 3049 | 6814.2 | 948.5 | 4158.0 | 910.8 | 226.00 | 813.8 | 707.7 | 141.58 | 418.20 | 54.60 | 361.1 | 62.2 | 133 | 29.2 | 405 | 283360 | 356.0 | 21300 | 7.6 | 48900 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1000S-140W | 3275 | 9168.7 | 950.6 | 4326.0 | 954.3 | 236.00 | 819.7 | 764.4 | 144.84 | 420.25 | 52.60 | 357.0 | 63.4 | 120 | 32.7 | 395 | 268640 | 363.0 | 20100 | 6.4 | 46000 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1000S-180W | 2884 | 6648.0 | 886.1 | 4074.0 | 914.9 | 236.00 | 815.8 | 753.9 | 148.10 | 438.70 | 57.40 | 375.4 | 65.5 | 129 | 33.6 | 430 | 231840 | 305.0 | 21000 | 6.2 | 45200 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1000S-220W | 3811 | 10387.5 | 1146.1 | 5313.0 | 1163.3 | 290.00 | 978.1 | 934.5 | 183.19 | 537.10 | 68.40 | 461.0 | 73.1 | 106 | 23.2 | 504 | 487600 | 223.0 | 20600 | 5.4 | 61000 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1000S-260W | 3337 | 9390.3 | 1023.4 | 4494.0 | 999.8 | 246.00 | 857.3 | 804.3 | 157.49 | 471.50 | 60.80 | 401.9 | 65.7 | 110 | 34.5 | 405 | 322000 | 299.0 | 22600 | 6.5 | 57100 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1000S-300W | 2493 | 10055.1 | 819.5 | 3654.0 | 859.1 | 220.00 | 746.5 | 705.6 | 141.17 | 426.40 | 54.40 | 361.1 | 61.7 | 108 | 26.9 | 367 | 355120 | 230.0 | 23900 | 3.1 | 55700 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |

| PGE Package: | Rare Earth Elements: | | | | | | | | | | | | | Lithophile Elements: | | | | | | | | P.G.E.s: | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID: | La | Ce | Pr | Nd | Sm | Eu | Gd | Dy | Ho | Er | Tm | Yb | Lu | S.Q. Li | Be | S.Q. Sc | Mn | Rb | Sr | Cs | Ba | Ru | Rh | Pd | Os | Ir | Pt |
| 1000S-340W | 3564 | 13240.6 | 1129.4 | 5019.0 | 1107.5 | 272.00 | 1009.8 | 915.6 | 181.97 | 543.25 | 69.40 | 454.9 | 74.8 | 150 | 33.3 | 426 | 515200 | 342.0 | 15200 | 7.2 | 66600 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1000S-380W | 3543 | 10470.6 | 1181.4 | 5397.0 | 1225.4 | 314.00 | 1096.9 | 1083.6 | 212.16 | 633.45 | 81.00 | 552.6 | 88.0 | 110 | 34.5 | 327 | 447120 | 154.0 | 15500 | 2.4 | 49100 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1000S-420W | 3729 | 11717.1 | 1229.3 | 5565.0 | 1227.5 | 314.00 | 1108.8 | 1052.1 | 210.12 | 629.35 | 80.80 | 524.3 | 85.1 | 151 | 31.2 | 344 | 333040 | 373.0 | 15300 | 9.5 | 50900 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1000S-460W | 2431 | 9002.5 | 821.6 | 3759.0 | 871.5 | 228.00 | 782.1 | 724.5 | 146.88 | 428.45 | 54.80 | 369.2 | 63.0 | 66 | 20.8 | 260 | 469200 | 201.0 | 14500 | 4.4 | 37500 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1000S-500W | 2513 | 7257.4 | 836.2 | 3738.0 | 852.8 | 206.00 | 716.8 | 686.7 | 136.68 | 391.55 | 51.00 | 344.6 | 58.6 | 120 | 31.5 | 184 | 299920 | 197.0 | 25100 | 7.0 | 34600 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1100S-20E | 3111 | 13296.0 | 965.1 | 4137.0 | 910.8 | 220.00 | 811.8 | 724.5 | 144.43 | 426.40 | 52.20 | 350.9 | 60.5 | 91 | 19.9 | 507 | 783840 | 229.0 | 15000 | 5.0 | 59100 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1100S-60E | 2863 | 9750.4 | 927.7 | 4116.0 | 917.0 | 212.00 | 792.0 | 718.2 | 142.19 | 428.45 | 54.20 | 373.3 | 64.1 | 103 | 21.6 | 336 | 355120 | 239.0 | 15700 | 3.6 | 45400 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1100S-100E | 2513 | 9362.6 | 792.5 | 3402.0 | 741.1 | 182.00 | 665.3 | 611.1 | 120.77 | 348.50 | 44.20 | 289.7 | 49.8 | 96 | 22.1 | 293 | 312800 | 363.0 | 13100 | 6.6 | 48900 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1100S-140E | 2781 | 10442.9 | 840.3 | 3633.0 | 790.7 | 186.00 | 691.0 | 627.9 | 124.85 | 371.05 | 46.40 | 320.3 | 54.2 | 99 | 24.4 | 474 | 456320 | 401.0 | 17300 | 8.5 | 59200 | -0.2 | -5 | 3 | -0.1 | -10 | 0.1 |
| 1100S-180E | 3090 | 9057.9 | 906.9 | 4053.0 | 888.0 | 214.00 | 782.1 | 724.5 | 143.41 | 416.20 | 52.40 | 361.1 | 61.3 | 129 | 35.1 | 390 | 218960 | 354.0 | 13600 | 5.3 | 58100 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1100S-220E | 2390 | 6426.4 | 792.5 | 3570.0 | 786.7 | 195.20 | 697.0 | 665.7 | 128.32 | 385.40 | 49.60 | 336.6 | 57.8 | 118 | 29.6 | 357 | 180688 | 268.0 | 12400 | 9.0 | 42200 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1100S-260E | 2081 | 6675.7 | 673.9 | 2898.0 | 631.4 | 154.20 | 558.4 | 514.5 | 99.76 | 289.05 | 39.20 | 277.4 | 47.9 | 99 | 25.2 | 387 | 506000 | 190.0 | 21300 | 2.6 | 62500 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1100S-300E | 2905 | 7894.5 | 911.0 | 4011.0 | 873.5 | 214.00 | 776.2 | 703.5 | 137.70 | 407.95 | 50.60 | 338.6 | 60.1 | 117 | 25.2 | 368 | 288880 | 423.0 | 14300 | 9.0 | 48600 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1100S-340E | 2596 | 8060.7 | 840.3 | 4011.0 | 912.9 | 228.00 | 796.0 | 760.2 | 147.29 | 436.65 | 57.00 | 373.3 | 62.2 | 211 | 20.8 | 263 | 323840 | 136.0 | 14000 | 2.1 | 43600 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1100S-380E | 2987 | 6869.6 | 950.6 | 4326.0 | 937.7 | 228.00 | 821.7 | 772.8 | 147.90 | 457.15 | 59.00 | 391.7 | 63.4 | 63 | 23.6 | 305 | 270480 | 233.0 | 19400 | 4.4 | 65000 | -0.2 | -5 | 2 | 0.1 | -10 | -0.1 |
| 1100S-460E | 2081 | 6814.2 | 686.4 | 3150.0 | 720.4 | 162.20 | 621.7 | 598.5 | 120.36 | 356.70 | 47.40 | 320.3 | 55.0 | 108 | 25.3 | 256 | 230000 | 109.0 | 16600 | 1.1 | 40700 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1100S-500E | 2245 | 7506.7 | 767.5 | 3612.0 | 805.2 | 204.00 | 693.0 | 651.0 | 127.50 | 377.20 | 49.40 | 328.4 | 56.5 | 81 | 21.2 | 270 | 369840 | 192.0 | 13100 | 2.7 | 48200 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| BL1100S | 1920 | 5179.9 | 665.6 | 2940.0 | 654.1 | 167.60 | 582.1 | 546.0 | 111.79 | 338.25 | 45.60 | 297.8 | 51.2 | 108 | 27.4 | 409 | 213440 | 298.0 | 15400 | 5.5 | 43900 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1100S-20W | 3770 | 10498.3 | 1092.0 | 4935.0 | 1059.6 | 250.00 | 887.0 | 837.9 | 159.73 | 463.30 | 59.60 | 403.9 | 66.2 | 131 | 33.6 | 394 | 274160 | 522.0 | 16000 | 8.6 | 54100 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 1100S-60W | 2966 | 5872.4 | 921.4 | 4179.0 | 917.0 | 226.00 | 760.3 | 730.8 | 140.76 | 418.20 | 54.00 | 363.1 | 61.5 | 139 | 34.2 | 406 | 128432 | 373.0 | 21600 | 6.6 | 53200 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1100S-100W | 3584 | 10027.4 | 1127.4 | 4914.0 | 1097.1 | 272.00 | 958.3 | 865.2 | 168.71 | 506.35 | 63.40 | 420.2 | 70.1 | 124 | 33.3 | 376 | 277840 | 225.0 | 17100 | 3.3 | 51100 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1100S-140W | 3193 | 7202.0 | 1004.6 | 4578.0 | 1030.9 | 254.00 | 877.1 | 864.7 | 169.73 | 514.55 | 64.40 | 440.6 | 72.0 | 172 | 36.0 | 387 | 237360 | 360.0 | 17400 | 6.7 | 49000 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1100S-180W | 3111 | 7257.4 | 919.4 | 4284.0 | 997.7 | 250.00 | 863.3 | 852.6 | 167.48 | 481.75 | 62.20 | 432.5 | 69.3 | 157 | 39.6 | 467 | 215280 | 318.0 | 17000 | 7.0 | 55400 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1100S-220W | 1887 | 6454.1 | 576.2 | 2583.0 | 552.7 | 137.40 | 475.2 | 453.6 | 88.54 | 254.20 | 32.60 | 220.3 | 40.5 | 87 | 17.8 | 315 | 574080 | 312.0 | 17700 | 6.0 | 61700 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1100S-260W | 2863 | 10803.0 | 931.8 | 4179.0 | 972.9 | 246.00 | 831.6 | 816.9 | 158.51 | 465.35 | 59.00 | 395.8 | 67.2 | 187 | 32.7 | 336 | 364320 | 243.0 | 16200 | 5.9 | 45200 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1100S-300W | 3420 | 9528.8 | 1137.8 | 5334.0 | 1198.5 | 294.00 | 1041.5 | 1020.6 | 198.08 | 588.35 | 77.00 | 516.1 | 81.1 | 128 | 24.0 | 350 | 309120 | 225.0 | 15000 | 5.3 | 52100 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1100S-340W | 3440 | 9972.0 | 1098.2 | 5124.0 | 1142.6 | 272.00 | 974.2 | 972.3 | 188.50 | 559.65 | 70.80 | 481.4 | 78.1 | 119 | 35.7 | 337 | 322000 | 264.0 | 13500 | 4.9 | 45400 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1100S-380W | 2204 | 7645.2 | 730.1 | 3318.0 | 761.8 | 193.00 | 677.2 | 640.5 | 125.87 | 373.10 | 47.80 | 314.2 | 54.0 | 78 | 18.8 | 262 | 458160 | 241.0 | 12500 | 4.6 | 44900 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1100S-420W | 2781 | 9445.7 | 923.5 | 4116.0 | 921.2 | 242.00 | 863.3 | 798.0 | 160.14 | 479.70 | 61.00 | 393.7 | 66.6 | 103 | 26.7 | 331 | 323840 | 312.0 | 12100 | 7.7 | 38900 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1100S-460W | 1825 | 5623.1 | 619.8 | 2877.0 | 666.5 | 162.20 | 556.4 | 562.8 | 109.34 | 321.85 | 43.00 | 291.7 | 49.8 | 89 | 18.0 | 211 | 270480 | 232.0 | 14300 | 3.4 | 34400 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1100S-500W | 1310 | 3711.8 | 459.7 | 2016.0 | 457.5 | 112.40 | 409.9 | 390.6 | 77.52 | 233.70 | 30.00 | 197.9 | 38.9 | 62 | 25.8 | 248 | 195040 | 114.0 | 19400 | 2.2 | 24200 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1200S-20E | 1947 | 5761.6 | 630.2 | 2814.0 | 629.3 | 153.40 | 542.5 | 518.7 | 100.78 | 305.45 | 40.80 | 263.2 | 49.4 | 73 | 26.9 | 335 | 353280 | 215.0 | 21300 | 3.7 | 44000 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1200S-60E | 2616 | 6177.1 | 865.3 | 3948.0 | 871.5 | 212.00 | 742.5 | 724.5 | 145.45 | 428.45 | 55.00 | 389.6 | 64.9 | 88 | 26.0 | 351 | 239200 | 275.0 | 13900 | 5.3 | 36300 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1200S-100E | 2657 | 7008.1 | 852.8 | 3927.0 | 904.6 | 218.00 | 766.3 | 753.9 | 150.76 | 451.00 | 57.80 | 401.9 | 67.8 | 116 | 24.8 | 294 | 255760 | 219.0 | 16800 | 2.9 | 39300 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1200S-140E | 2616 | 7008.1 | 842.4 | 3885.0 | 871.5 | 210.00 | 736.6 | 709.8 | 140.76 | 428.45 | 54.20 | 365.2 | 58.8 | 86 | 20.7 | 250 | 298080 | 222.0 | 10700 | 3.2 | 34700 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1200S-180E | 2987 | 9695.0 | 936.0 | 4242.0 | 962.6 | 232.00 | 809.8 | 795.9 | 157.90 | 465.35 | 60.40 | 418.2 | 69.7 | 153 | 29.1 | 440 | 410320 | 438.0 | 19400 | 9.8 | 59300 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 1200S-220E | 3337 | 11994.1 | 1006.7 | 4389.0 | 954.3 | 240.00 | 867.2 | 760.2 | 151.37 | 453.05 | 56.40 | 367.2 | 62.8 | 140 | 24.4 | 381 | 437920 | 403.0 | 15000 | 8.7 | 54300 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1200S-260E | 2740 | 8836.3 | 796.6 | 3402.0 | 736.9 | 176.00 | 655.4 | 598.5 | 119.34 | 346.45 | 44.60 | 293.8 | 52.5 | 100 | 33.9 | 450 | 355120 | 251.0 | 12500 | 3.5 | 59400 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 1200S-300E | 2760 | 8226.9 | 886.1 | 3822.0 | 815.6 | 197.40 | 728.6 | 663.6 | 133.21 | 395.65 | 49.40 | 322.3 | 56.9 | 102 | 23.9 | 337 | 386400 | 294.0 | 13600 | 6.2 | 49600 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1200S-340E | 3440 | 11163.1 | 1067.0 | 4704.0 | 999.8 | 236.00 | 889.0 | 785.4 | 153.00 | 457.15 | 55.60 | 377.4 | 63.4 | 107 | 25.1 | 433 | 452640 | 279.0 | 9980 | 4.9 | 60600 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1200S-380E | 3543 | 8365.4 | 1021.3 | 4431.0 | 946.0 | 220.00 | 786.1 | 718.2 | 138.52 | 403.85 | 49.00 | 350.9 | 59.2 | 96 | 25.8 | 558 | 483920 | 285.0 | 12100 | 5.8 | 83800 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1200S-420E | 1403 | 5096.8 | 403.5 | 1806.0 | 403.7 | 115.00 | 401.9 | 375.9 | 78.13 | 231.65 | 30.60 | 201.1 | 39.9 | 53 | 9.2 | 212 | 355120 | 135.0 | 20400 | 5.1 | 49800 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| BL1200S | 2307 | 6925.0 | 760.0 | 3507.0 | 782.5 | 187.00 | 653.4 | 655.2 | 106.68 | 383.35 | 50.80 | 350.9 | 59.9 | 118 | 26.2 | 463 | 268000 | 291.0 | 15100 | 5.5 | 40300 | -0.2 | -5 | 1 | -0.1 | -10 | 0.1 |
| 1200S-20W | 3749 | 6930.5 | 1129.4 | 5040.0 | 1107.5 | 262.00 | 908.8 | 867.3 | 164.22 | 467.40 | 62.00 | 406.0 | 68.5 | 141 | 36.0 | 353 | 375360 | 266.0 | 16200 | 4.7 | 48900 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1200S-60W | 3378 | 6315.6 | 983.8 | 4494.0 | 1012.2 | 260.00 | 869.2 | 846.3 | 163.20 | 475.60 | 61.40 | 397.8 | 69.7 | 134 | 39.3 | 448 | 349600 | 234.0 | 16100 | 4.9 | 75200 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1200S-100W | 3502 | 6864.1 | 1127.4 | 5040.0 | 1130.2 | 272.00 | 964.3 | 905.1 | 180.13 | 520.70 | 67.60 | 442.7 | 74.3 | 139 | 36.6 | 411 | 487600 | 177.0 | 16500 | 2.6 | 55100 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 1200S-140W | 3790 | 7479.0 | 1150.2 | 5103.0 | 1196.5 | 308.00 | 1069.2 | 1035.3 | 206.04 | 600.65 | 75.20 | 518.2 | 86.1 | 142 | 39.9 | 416 | 539120 | 264.0 | 16400 | 4.7 | 56900 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 1200S-180W | 3832 | 7163.2 | 1189.8 | 5250.0 | 1167.5 | 288.00 | 1025.6 | 949.2 | 169.72 | 569.90 | 68.20 | 469.2 | 76.2 | 125 | 35.7 | 438 | 406640 | 323.0 | 17300 | 6.6 | 57500 | -0.2 | -5 | 3 | -0.1 | -10 | -0.1 |
| 1200S-220W | 3275 | 6365.5 | 1029.6 | 4557.0 | 1043.3 | 262.00 | 910.8 | 844.2 | 169.93 | 492.00 | 60.80 | 420.2 | 72.5 | 140 | 27.6 | 369 | 494960 | 302.0 | 15600 | 6.6 | 53800 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1200S-260W | 3461 | 7179.6 | 1092.0 | 4914.0 | 1086.8 | 268.00 | 922.7 | 915.6 | 180.13 | 524.80 | 65.00 | 428.4 | 73.1 | 134 | 35.1 | 444 | 445280 | 412.0 | 12700 | 14.3 | 47400 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1200S-300W | 3008 | 6880.7 | 981.8 | 4326.0 | 931.5 | 234.00 | 841.5 | 785.4 | 155.24 | 469.45 | 58.80 | 385.6 | 63.0 | 117 | 27.1 | 411 | 500480 | 240.0 | 15100 | 6.7 | 48300 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1200S-340W | 4285 | 8825.2 | 1343.7 | 6195.0 | 1411.7 | 354.00 | 1237.5 | 1211.7 | 244.80 | 699.05 | 86.60 | 583.4 | 91.8 | 166 | 42.7 | 410 | 483920 | 360.0 | 12800 | 10.4 | 56900 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1200S-380W | 3914 | 7395.9 | 1216.8 | 5628.0 | 1318.6 | 324.00 | 1124.6 | 1117.2 | 222.36 | 637.55 | 77.80 | 530.4 | 86.9 | 140 | 43.0 | 441 | 500480 | 233.0 | 14000 | 4.6 | 56300 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1200S-420W | 3378 | 6016.4 | 1019.2 | 4641.0 | 1090.9 | 264.00 | 898.9 | 915.6 | 174.01 | 508.40 | 64.80 | 434.5 | 71.6 | 160 | 41.4 | 481 | 344080 | 295.0 | 14900 | 7.2 | 61100 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1200S-460W | 2596 | 5700.7 | 867.4 | 3990.0 | 906.7 | 242.00 | 833.6 | 793.8 | 159.32 | 475.60 | 60.00 | 377.4 | 62.4 | 63 | 15.2 | 265 | 642160 | 214.0 | 10700 | 5.5 | 44000 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1200S-500W | 2967 | 4553.9 | 936.0 | 4221.0 | 948.1 | 228.00 | 796.0 | 793.8 | 150.76 | 432.55 | 57.20 | 367.6 | 62.4 | 209 | 8.3 | 101 | 162288 | 281.0 | 63900 | 6.1 | 35800 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1300S-20E | 2596 | 4836.4 | 904.8 | 3990.0 | 875.6 | 222.00 | 774.2 | 730.8 | 150.76 | 446.90 | 58.00 | 363.1 | 63.2 | 110 | 23.7 | 325 | 423200 | 237.0 | 16700 | 6.1 | 33900 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1300S-60E | 3090 | 6731.1 | 969.3 | 4410.0 | 1008.1 | 252.00 | 835.6 | 823.2 | 159.94 | 469.45 | 61.00 | 428.4 | 68.5 | 122 | 27.2 | 357 | 552000 | 276.0 | 19700 | 5.9 | 56700 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1300S-100E | 3111 | 6631.4 | 948.5 | 4116.0 | 929.4 | 224.00 | 772.2 | 739.2 | 142.39 | 418.20 | 52.60 | 355.0 | 60.3 | 89 | 23.2 | 555 | 522560 | 111.0 | 8950 | 2.0 | 46600 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1300S-140E | 3420 | 6431.9 | 1108.6 | 5019.0 | 1101.2 | 278.00 | 990.0 | 942.9 | 188.90 | 557.60 | 71.60 | 457.0 | 77.3 | 103 | 25.3 | 376 | 439760 | 178.0 | 13600 | 3.5 | 47100 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1300S-180E | 3049 | 6299.0 | 958.9 | 4368.0 | 975.0 | 242.00 | 857.3 | 814.8 | 157.90 | 465.35 | 59.00 | 399.8 | 65.7 | 136 | 24.6 | 335 | 379040 | 189.0 | 12700 | 1.6 | 46100 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1300S-220E | 2781 | 5019.2 | 950.6 | 4347.0 | 966.7 | 228.00 | 827.6 | 789.6 | 157.08 | 467.40 | 60.60 | 401.9 | 66.8 | 109 | 24.9 | 372 | 439760 | 238.0 | 14600 | 5.0 | 54100 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1300S-260E | 3255 | 6481.8 | 1040.0 | 4683.0 | 1010.2 | 244.00 | 918.7 | 867.3 | 164.02 | 487.90 | 65.20 | 420.2 | 69.3 | 120 | 30.2 | 288 | 446960 | 307.0 | 13900 | 7.2 | 58100 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1300S-300E | 3317 | 6448.6 | 1056.6 | 4683.0 | 1024.7 | 252.00 | 918.7 | 850.5 | 161.77 | 498.15 | 66.00 | 432.5 | 71.6 | 132 | 28.0 | 307 | 401120 | 433.0 | 11600 | 12.0 | 69300 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 1300S-340E | 2307 | 4936.1 | 721.8 | 3402.0 | 774.2 | 191.00 | 665.3 | 674.1 | 126.93 | 393.60 | 50.00 | 320.3 | 58.6 | 601 | 26.0 | 240 | 294400 | 181.0 | 13300 | 4.6 | 43900 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1300S-380E | 2863 | 5085.7 | 902.7 | 4053.0 | 914.9 | 224.00 | 772.2 | 743.4 | 148.51 | 426.40 | 54.00 | 352.9 | 61.3 | 136 | 20.3 | 407 | 421360 | 296.0 | 12700 | 7.8 | 44300 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1300S-420E | 3749 | 7495.6 | 1216.8 | 5523.0 | 1223.4 | 296.00 | 1045.4 | 1003.6 | 199.51 | 578.10 | 72.80 | 508.0 | 80.2 | 116 | 31.8 | 437 | 557520 | 169.0 | 15200 | 2.3 | 41500 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1300S-460E | 2946 | 4869.7 | 921.4 | 4158.0 | 917.0 | 218.00 | 778.1 | 764.4 | 146.27 | 434.60 | 58.40 | 379.4 | 61.1 | 120 | 25.5 | 310 | 336720 | 203.0 | 9010 | 3.9 | 62200 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| BL1300S | 2390 | 4470.8 | 798.7 | 3612.0 | 832.1 | 204.00 | 714.8 | 686.7 | 107.90 | 407.95 | 52.80 | 361.1 | 62.2 | 125 | 29.3 | 460 | 258000 | 255.0 | 17280 | 4.1 | 38000 | -0.2 | -5 | 1 | -0.1 | -10 | 0.1 |
| 1300S-20W | 3255 | 6049.7 | 1006.8 | 4725.0 | 1070.2 | 266.00 | 912.8 | 926.1 | 184.42 | 533.00 | 67.80 | 459.0 | 74.8 | 140 | 30.6 | 363 | 323840 | 189.0 | 17280 | 2.8 | 52800 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1300S-60W | 3481 | 7412.5 | 1123.2 | 5040.0 | 1068.1 | 262.00 | 908.8 | 861.0 | 165.44 | 494.05 | 64.60 | 416.2 | 65.1 | 109 | 36.6 | 395 | 494960 | 237.0 | 17280 | 3.7 | 67200 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1300S-100W | 3502 | 6980.4 | 1148.2 | 5166.0 | 1161.3 | 294.00 | 1025.6 | 976.5 | 196.66 | 567.85 | 72.20 | 481.4 | 79.2 | 122 | 33.3 | 392 | 430560 | 342.0 | 15120 | 8.4 | 43500 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1300S-140W | 3214 | 6382.1 | 1058.7 | 4956.0 | 1128.2 | 278.00 | 958.3 | 947.1 | 186.66 | 537.10 | 70.40 | 465.1 | 79.4 | 92 | 26.7 | 281 | 417680 | 113.0 | 15360 | 2.8 | 38000 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1300S-180W | 3317 | 6431.9 | 1056.6 | 4809.0 | 1084.7 | 262.00 | 938.5 | 894.6 | 176.26 | 526.85 | 69.80 | 465.1 | 75.0 | 122 | 45.4 | 449 | 436080 | 219.0 | 17040 | 4.2 | 66800 | -0.2 | -5 | 3 | -0.1 | -10 | 0.2 |
| 1300S-220W | 3296 | 7163.2 | 1052.5 | 4851.0 | 1076.4 | 272.00 | 950.4 | 919.8 | 181.36 | 535.05 | 69.60 | 463.1 | 73.7 | 129 | 36.6 | 366 | 406640 | 306.0 | 15120 | 6.4 | 58200 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1300S-260W | 3687 | 6415.3 | 1179.4 | 5229.0 | 1167.5 | 290.00 | 1015.7 | 966.0 | 196.04 | 561.70 | 71.60 | 499.8 | 81.3 | 136 | 40.2 | 413 | 371680 | 357.0 | 15360 | 11.2 | 57900 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 1300S-300W | 3131 | 6016.4 | 985.9 | 4599.0 | 1097.1 | 270.00 | 914.8 | 915.6 | 183.60 | 526.85 | 66.80 | 457.0 | 74.8 | 133 | 33.3 | 304 | 463920 | 306.0 | 12840 | 8.5 | 53700 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1300S-340W | 3008 | 6382.1 | 1002.6 | 4683.0 | 1051.6 | 256.00 | 906.8 | 894.6 | 179.52 | 539.15 | 70.80 | 454.9 | 75.2 | 130 | 37.2 | 357 | 443440 | 303.0 | 15720 | 7.4 | 58500 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| 1300S-380W | 3069 | 9141.0 | 1037.9 | 4914.0 | 1136.4 | 284.00 | 988.0 | 1008.0 | 196.04 | 553.50 | 75.80 | 508.0 | 81.7 | 134 | 34.5 | 379 | 371680 | 232.0 | 14160 | 6.6 | 40700 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1300S-420W | 2348 | 7763.7 | 819.5 | 3801.0 | 865.3 | 212.00 | 738.5 | 739.2 | 144.84 | 426.40 | 58.00 | 385.6 | 63.6 | 103 | 18.4 | 202 | 399280 | 291.0 | 26400 | 6.8 | 27000 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |

**PGE Package:** — Rare Earth Elements:

| Sample ID: | La | Ce | Pr | Nd | Sm | Eu | Gd | Dy | Ho | Er | Tm | Yb | Lu |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1300S-460W | 1564 | 4986.0 | 536.6 | 2415.0 | 548.6 | 133.20 | 431.6 | 432.6 | 83.84 | 250.10 | 32.60 | 228.5 | 39.3 |
| 1300S-500W | 1749 | 4598.2 | 590.7 | 2688.0 | 598.2 | 151.60 | 512.8 | 506.1 | 101.80 | 301.35 | 39.40 | 255.0 | 46.6 |
| 1400S-20E | 2493 | 6315.6 | 792.5 | 3633.0 | 797.0 | 195.00 | 706.9 | 661.5 | 133.62 | 397.70 | 51.20 | 344.8 | 59.6 |
| 1400S-60E | 2740 | 6925.0 | 871.5 | 4032.0 | 927.4 | 222.00 | 762.3 | 758.1 | 147.49 | 434.60 | 55.80 | 385.6 | 62.8 |
| 1400S-100E | 1959 | 3988.8 | 649.0 | 2982.0 | 674.8 | 161.60 | 556.4 | 562.8 | 113.83 | 348.50 | 46.00 | 310.1 | 54.6 |
| 1400S-140E | 3111 | 6703.4 | 975.5 | 4515.0 | 954.3 | 226.00 | 794.0 | 791.7 | 151.16 | 459.20 | 59.80 | 401.9 | 63.4 |
| 1400S-180E | 3996 | 9833.5 | 1273.0 | 5880.0 | 1339.3 | 318.00 | 1073.2 | 1140.3 | 216.24 | 627.30 | 81.40 | 554.9 | 89.3 |
| 1400S-220E | 1667 | 4875.2 | 585.7 | 2656.5 | 548.6 | 134.80 | 465.3 | 464.1 | 92.00 | 268.55 | 34.60 | 236.6 | 43.9 |
| 1400S-260E | 2142 | 4653.6 | 757.3 | 3557.4 | 747.3 | 174.00 | 596.0 | 644.7 | 124.64 | 366.95 | 47.40 | 334.6 | 53.8 |
| 1400S-300E | 1654 | 4044.2 | 606.3 | 2795.1 | 577.5 | 138.60 | 463.1 | 465.1 | 96.70 | 287.00 | 37.80 | 244.8 | 42.2 |
| 1400S-340E | 2451 | 6786.5 | 846.6 | 3973.2 | 848.7 | 199.40 | 758.3 | 829.5 | 169.32 | 518.65 | 69.60 | 457.0 | 71.6 |
| 1400S-380E | 2472 | 6648.0 | 892.3 | 4273.5 | 875.6 | 218.00 | 784.1 | 760.2 | 155.04 | 463.30 | 61.60 | 403.9 | 65.7 |
| 1400S-420E | 2204 | 4847.5 | 814.5 | 3672.9 | 747.3 | 182.80 | 641.5 | 630.0 | 126.48 | 371.05 | 48.80 | 324.4 | 55.2 |
| 1400S-460E | 1634 | 4016.5 | 606.3 | 2748.9 | 569.3 | 139.60 | 493.0 | 483.0 | 99.55 | 289.05 | 38.60 | 261.1 | 43.9 |
| BL-1400S | 2038 | 3933.4 | 581.2 | 2702.7 | 569.3 | 134.60 | 451.4 | 497.7 | 94.66 | 276.75 | 37.60 | 267.2 | 44.9 |
| 1400S-20W | 2919 | 6703.4 | 814.5 | 3811.5 | 751.4 | 186.80 | 659.3 | 648.9 | 126.89 | 375.15 | 49.60 | 334.6 | 55.9 |
| 1400S-60W | 2094 | 4487.4 | 581.2 | 2725.8 | 573.4 | 152.80 | 495.0 | 487.2 | 99.96 | 291.10 | 39.80 | 267.2 | 44.3 |
| 1400S-100W | 3696 | 7423.6 | 990.7 | 4550.7 | 906.7 | 228.00 | 784.1 | 779.1 | 158.51 | 469.45 | 59.20 | 401.9 | 67.0 |
| 1400S-140W | 2641 | 4404.3 | 723.0 | 3418.8 | 712.1 | 178.60 | 582.1 | 661.5 | 129.13 | 385.40 | 52.20 | 363.1 | 58.0 |
| 1400S-180W | 2758 | 5069.1 | 759.6 | 3580.5 | 772.1 | 191.00 | 631.6 | 674.1 | 136.27 | 389.50 | 53.20 | 344.8 | 55.9 |
| 1400S-220W | 2512 | 6371.0 | 709.3 | 3303.3 | 710.0 | 169.20 | 607.9 | 632.1 | 121.79 | 360.80 | 49.40 | 330.5 | 55.0 |
| 1400S-260W | 2440 | 6260.2 | 704.7 | 3260.2 | 697.6 | 187.20 | 578.2 | 590.1 | 116.48 | 328.00 | 43.40 | 289.7 | 46.0 |
| 1400S-300W | 2464 | 5179.9 | 727.6 | 3349.5 | 710.0 | 184.00 | 631.6 | 665.7 | 134.23 | 412.05 | 52.80 | 361.1 | 57.8 |
| 1400S-340W | 2865 | 6121.7 | 810.0 | 3719.1 | 788.7 | 195.40 | 681.1 | 716.1 | 141.17 | 420.25 | 52.60 | 361.1 | 60.1 |
| 1400S-380W | 2225 | 4625.9 | 663.5 | 3118.5 | 668.6 | 171.60 | 584.1 | 590.1 | 115.67 | 346.45 | 45.20 | 304.0 | 50.4 |
| 1400S-420W | 1237 | 2617.7 | 372.9 | 1815.7 | 405.7 | 108.00 | 328.7 | 392.7 | 76.91 | 227.55 | 33.60 | 224.4 | 41.0 |
| 1400S-460W | 1711 | 2963.9 | 549.1 | 2587.2 | 573.4 | 144.00 | 473.2 | 497.7 | 100.16 | 309.55 | 43.20 | 301.9 | 49.8 |
| 1400S-500W | 1500 | 1891.9 | 466.8 | 2196.8 | 494.7 | 129.60 | 425.7 | 462.0 | 95.47 | 297.25 | 41.00 | 306.0 | 52.9 |
| 1500S-20E | 3080 | 5263.0 | 828.3 | 3927.0 | 770.0 | 192.40 | 675.2 | 663.6 | 130.15 | 391.55 | 52.20 | 338.6 | 54.2 |
| 1500S-60E | 2450 | 5096.8 | 688.7 | 3234.0 | 687.2 | 170.00 | 574.2 | 592.2 | 117.30 | 350.55 | 46.40 | 301.9 | 51.5 |
| 1500S-100E | 3321 | 7423.6 | 906.0 | 4065.6 | 811.4 | 188.80 | 653.4 | 680.4 | 128.93 | 375.15 | 50.20 | 334.6 | 55.4 |
| 1500S-140E | 2758 | 5844.7 | 743.6 | 3465.0 | 703.8 | 162.40 | 558.4 | 569.1 | 110.57 | 319.80 | 42.80 | 289.7 | 51.0 |
| 1500S-180E | 2785 | 5207.6 | 755.0 | 3441.9 | 687.2 | 163.40 | 590.0 | 594.3 | 117.91 | 352.60 | 46.80 | 297.8 | 51.0 |
| 1500S-220E | 3240 | 5595.4 | 887.7 | 3927.0 | 763.8 | 182.60 | 663.3 | 646.8 | 129.34 | 379.25 | 48.80 | 318.2 | 54.2 |
| 1500S-260E | 3937 | 6398.7 | 1029.6 | 4781.7 | 989.5 | 244.00 | 833.6 | 867.3 | 167.89 | 494.05 | 65.60 | 446.8 | 73.1 |
| 1500S-300E | 1666 | 3517.9 | 478.2 | 2270.7 | 465.8 | 115.20 | 386.1 | 407.4 | 82.01 | 239.85 | 31.80 | 220.3 | 37.2 |
| 1500S-340E | 2496 | 4819.8 | 688.7 | 3187.8 | 627.2 | 147.80 | 516.8 | 539.7 | 100.16 | 305.45 | 41.60 | 281.5 | 44.9 |
| 1500S-380E | 2705 | 5706.2 | 775.6 | 3534.3 | 716.2 | 170.60 | 605.9 | 592.2 | 116.08 | 336.20 | 44.20 | 301.9 | 51.0 |
| 1500S-420E | 2919 | 6814.2 | 814.5 | 3649.8 | 714.2 | 165.40 | 598.0 | 579.6 | 112.40 | 332.10 | 44.80 | 297.8 | 48.1 |
| 1500S-460E | 2675 | 5013.7 | 750.5 | 3441.9 | 660.3 | 157.00 | 570.2 | 564.9 | 107.51 | 338.25 | 45.20 | 295.8 | 50.8 |
| BL1500S | 2041 | 4044.2 | 604.0 | 2772.0 | 550.6 | 138.80 | 491.0 | 495.6 | 98.53 | 307.50 | 40.40 | 265.2 | 45.8 |
| 1500S-20W | 2584 | 5456.9 | 741.3 | 3372.6 | 685.2 | 170.60 | 582.1 | 564.9 | 114.04 | 342.35 | 46.40 | 304.0 | 50.2 |
| 1500S-60W | 3053 | 7091.2 | 826.0 | 3742.2 | 757.6 | 184.80 | 617.8 | 611.1 | 118.73 | 348.50 | 45.40 | 293.8 | 49.6 |
| 1500S-100W | 1907 | 3684.1 | 446.2 | 1972.7 | 405.7 | 109.40 | 390.1 | 424.2 | 85.68 | 254.20 | 32.40 | 204.0 | 35.9 |
| 1500S-140W | 959 | 1994.4 | 192.9 | 799.3 | 136.2 | 32.60 | 117.2 | 110.0 | 21.83 | 62.12 | 8.02 | 50.6 | 12.2 |
| 1500S-180W | 1802 | 4044.2 | 542.3 | 2564.1 | 546.5 | 140.20 | 457.4 | 499.8 | 97.72 | 293.15 | 37.40 | 263.2 | 43.7 |
| 1500S-220W | 1232 | 3711.8 | 340.9 | 1478.4 | 302.2 | 73.00 | 257.4 | 270.9 | 50.59 | 149.04 | 19.30 | 126.3 | 22.3 |
| 1500S-260W | 2999 | 6315.6 | 876.3 | 4065.6 | 875.6 | 218.00 | 742.5 | 793.8 | 154.02 | 453.05 | 60.20 | 426.4 | 65.9 |
| 1500S-300W | 2161 | 4930.6 | 654.4 | 3095.4 | 654.1 | 161.00 | 544.5 | 594.3 | 118.52 | 348.50 | 44.40 | 299.9 | 51.2 |
| 1500S-340W | 2268 | 5096.8 | 677.2 | 3095.4 | 658.3 | 160.20 | 534.6 | 579.6 | 114.04 | 332.10 | 43.60 | 297.8 | 50.4 |
| 1500S-380W | 2022 | 3517.9 | 617.8 | 2887.5 | 604.4 | 162.40 | 538.6 | 577.5 | 115.46 | 356.70 | 48.40 | 332.5 | 57.1 |
| 300S-100E | 951 | 2152.3 | 233.4 | 1081.1 | 254.6 | 78.20 | 231.7 | 277.2 | 54.88 | 170.56 | 24.60 | 156.1 | 30.0 |
| 500S-140E | 1717 | 3905.7 | 450.7 | 2051.3 | 432.6 | 127.00 | 376.2 | 394.6 | 77.52 | 227.55 | 30.60 | 199.7 | 34.2 |
| 1200S-500E | 1385 | 2728.5 | 363.8 | 1591.6 | 339.5 | 94.40 | 299.0 | 296.1 | 56.75 | 179.38 | 22.00 | 145.9 | 27.3 |

Lithophile Elements: / P.G.E.s:

| Sample ID: | S.Q. Li | Be | S.Q. Sc | Mn | Rb | Sr | Cs | Ba | Ru | Rh | Pd | Os | Ir | Pt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1300S-460W | 99 | 17.3 | 135 | 226320 | 273.0 | 30720 | 8.4 | 6320 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1300S-500W | 99 | 16.5 | 245 | 153824 | 143.0 | 14400 | 4.6 | 21500 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1400S-20E | 80 | 28.4 | 271 | 195040 | 207.0 | 15240 | 4.6 | 49100 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1400S-60E | 193 | 29.2 | 359 | 209760 | 254.0 | 14520 | 5.0 | 46300 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1400S-100E | 124 | 23.9 | 377 | 147568 | 193.0 | 15960 | 3.6 | 48500 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1400S-140E | 99 | 31.8 | 382 | 218960 | 130.0 | 14160 | 3.3 | 47500 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1400S-180E | 211 | 36.6 | 498 | 428720 | 251.0 | 23880 | 4.8 | 76100 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1400S-220E | 66 | 13.4 | 212 | 272088 | 106.0 | 12480 | 1.6 | 28200 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1400S-260E | 86 | 21.8 | 286 | 191270 | 127.0 | 13560 | 1.6 | 32000 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1400S-300E | 114 | 17.0 | 278 | 230332 | 196.0 | 13200 | 3.7 | 39700 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1400S-340E | 141 | 21.7 | 351 | 160020 | 201.0 | 12360 | 5.2 | 37700 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| 1400S-380E | 144 | 29.4 | 298 | 374458 | 174.0 | 16800 | 3.4 | 42300 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1400S-420E | 110 | 21.5 | 312 | 210666 | 165.0 | 14040 | 2.7 | 54000 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1400S-460E | 97 | 22.1 | 314 | 219556 | 161.0 | 10776 | 2.7 | 40200 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| BL-1400S | 120 | 20.7 | 371 | 243533 | 236.0 | 14880 | 4.8 | 44900 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1400S-20W | 120 | 29.7 | 369 | 390622 | 100.0 | 16560 | 1.3 | 39800 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1400S-60W | 113 | 21.4 | 265 | 249729 | 192.0 | 13320 | 7.7 | 41700 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1400S-100W | 139 | 29.3 | 369 | 358295 | 292.0 | 17160 | 6.7 | 45800 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1400S-140W | 125 | 23.8 | 330 | 151938 | 191.0 | 18120 | 4.6 | 46800 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1400S-180W | 140 | 26.1 | 325 | 255386 | 196.0 | 15840 | 2.4 | 44300 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1400S-220W | 110 | 16.0 | 294 | 390622 | 165.0 | 15120 | 2.5 | 39300 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1400S-260W | 76 | 19.2 | 201 | 282864 | 110.0 | 21960 | 4.2 | 38000 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1400S-300W | 130 | 25.2 | 265 | 230602 | 214.0 | 15000 | 5.1 | 38700 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1400S-340W | 128 | 31.2 | 254 | 290946 | 155.0 | 12720 | 3.2 | 43900 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1400S-380W | 109 | 16.7 | 219 | 288252 | 193.0 | 16920 | 5.4 | 28800 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1400S-420W | 186 | 24.4 | 141 | 50107 | 153.0 | 16560 | 2.9 | 13300 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1400S-460W | 245 | 22.6 | 127 | 3556 | 365.0 | 17280 | 9.2 | 13700 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1400S-500W | 215 | 17.0 | 160 | 49299 | 278.0 | 22680 | 6.4 | 15400 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-20E | 107 | 26.3 | 318 | 235451 | 180.0 | 12840 | 3.0 | 52500 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1500S-60E | 111 | 20.4 | 261 | 236798 | 251.0 | 10416 | 4.4 | 33600 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-100E | 127 | 36.3 | 434 | 288252 | 253.0 | 12720 | 5.0 | 41500 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1500S-140E | 134 | 23.4 | 365 | 363682 | 290.0 | 11808 | 7.1 | 46700 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-180E | 176 | 26.8 | 422 | 255655 | 425.0 | 10956 | 10.9 | 47300 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1500S-220E | 120 | 31.2 | 376 | 192348 | 190.0 | 11388 | 3.8 | 43700 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1500S-260E | 136 | 22.7 | 405 | 290946 | 249.0 | 12240 | 5.2 | 47400 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1500S-300E | 92 | 18.3 | 294 | 190731 | 199.0 | 9864 | 4.3 | 32000 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-340E | 106 | 16.9 | 283 | 282864 | 148.0 | 12360 | 2.2 | 53600 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-380E | 100 | 25.9 | 389 | 199891 | 63.9 | 11172 | 1.0 | 34600 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-420E | 122 | 30.6 | 351 | 352907 | 268.0 | 13920 | 6.0 | 40800 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-460E | 101 | 28.7 | 301 | 265558 | 141.0 | 12480 | 2.5 | 39900 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| BL1500S | 122 | 21.9 | 370 | 241647 | 216.0 | 14040 | 3.6 | 43100 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1500S-20W | 110 | 24.3 | 272 | 268586 | 187.0 | 12720 | 4.6 | 34000 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-60W | 142 | 26.8 | 384 | 409479 | 295.0 | 13080 | 10.6 | 60600 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-100W | 99 | 24.5 | 536 | 35829 | 260.0 | 9096 | 4.4 | 50100 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1500S-140W | 56 | 15.4 | 322 | 25161 | 280.0 | 10248 | 10.4 | 43600 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-180W | 90 | 17.2 | 353 | 374458 | 178.0 | 15840 | 4.0 | 39500 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-220W | 97 | 16.9 | 230 | 244071 | 202.0 | 8892 | 4.6 | 32100 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-260W | 132 | 30.6 | 432 | 406786 | 132.0 | 15480 | 5.4 | 43200 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| 1500S-300W | 143 | 16.4 | 288 | 379846 | 248.0 | 15120 | 6.9 | 38500 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-340W | 112 | 25.0 | 353 | 350213 | 124.0 | 11628 | 1.6 | 33000 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1500S-380W | 160 | 28.9 | 239 | 161367 | 155.0 | 19200 | 2.9 | 24600 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 300S-100E | 851 | 6.4 | 507 | 347519 | 561.0 | 33600 | 20.4 | 23300 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 500S-140E | 1232 | 9.0 | 332 | 347519 | 342.0 | 26520 | 9.2 | 32300 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| 1200S-500E | 110 | 10.0 | 193 | 162175 | 123.0 | 42240 | 6.4 | 42700 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |

| PGE Package: | Oxidation Suite: | | | | | | | | | | | | | Base Metals: | | | | | Base Metal - Chalcophile | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID:** | **S.Q. Cl** | **V** | **As** | **Se** | **Mo** | **Sb** | **Te** | **W** | **Re** | **Au** | **S.Q. Hg** | **Th** | **U** | **Co** | **Ni** | **Cu** | **Zn** | **Pb** | **Ga** | **Ge** | **Ag** | **Cd** | **In** |
| BL100S | -25000 | 809 | 127 | 56 | 49 | 11 | -10 | 12 | 0.06 | 0.2 | 2.7 | 195 | 77 | 1260 | 2530 | 2050 | 2120 | 76 | 54 | 9 | -25 | 35 | 0.6 |
| BL200S | -25000 | 737 | 123 | 81 | 55 | 9 | -10 | 15 | 0.08 | -0.1 | 2.2 | 254 | 85 | 1310 | 2990 | 2205 | 2340 | 73 | 64 | 10 | -25 | 47 | 0.7 |
| BL300S | -25000 | 622 | 119 | 71 | 58 | 9 | -10 | 15 | 0.10 | -0.1 | 2.1 | 241 | 79 | 1210 | 2860 | 1649 | 1890 | 61 | 56 | 9 | -25 | 35 | 0.5 |
| BL400S | -25000 | 805 | 113 | 53 | 64 | 11 | -10 | 19 | -0.05 | -0.1 | 1.7 | 244 | 85 | 1460 | 3090 | 2090 | 1850 | 67 | 57 | 12 | -25 | 35 | 0.6 |
| BL500S | -25000 | 800 | 122 | 80 | 55 | 11 | -10 | 19 | 0.06 | -0.1 | 2.1 | 215 | 78 | 1590 | 2660 | 1900 | 1700 | 85 | 66 | 9 | -25 | 43 | 0.7 |
| BL600S | -25000 | 757 | 115 | 74 | 64 | 8 | -10 | 17 | 0.08 | -0.1 | 2.2 | 193 | 91 | 1550 | 2850 | 1620 | 2050 | 80 | 60 | 11 | -25 | 47 | 0.6 |
| BL700S | -25000 | 745 | 128 | 77 | 52 | 9 | -10 | 16 | -0.05 | -0.1 | 1.9 | 254 | 86 | 1240 | 2540 | 1960 | 1890 | 75 | 54 | 7 | -25 | 41 | 0.5 |
| BL800S | -25000 | 872 | 125 | 83 | 55 | 10 | -10 | 19 | -0.05 | -0.1 | 2.8 | 245 | 88 | 1346 | 2630 | 2180 | 2030 | 63 | 62 | 8 | -25 | 35 | 0.5 |
| BL900S | -25000 | 896 | 141 | 84 | 61 | 9 | -10 | 16 | 0.21 | -0.1 | 2.5 | 227 | 90 | 1544 | 2710 | 1800 | 1790 | 73 | 66 | 15 | -25 | 35 | 0.5 |
| BL1000S | -25000 | 625 | 128 | 77 | 44 | 10 | -10 | 15 | 0.06 | -0.1 | 1.9 | 231 | 80 | 1134 | 2680 | 1610 | 1940 | 80 | 65 | 12 | -25 | 30 | 0.5 |
| BL1100S | -25000 | 624 | 105 | 79 | 45 | 8 | -10 | 15 | 0.08 | -0.1 | 2.3 | 230 | 74 | 1146 | 2480 | 1650 | 1820 | 75 | 61 | 9 | -25 | 41 | 0.7 |
| BL1200S | -25000 | 883 | 121 | 84 | 56 | 10 | -10 | 17 | 0.07 | -0.1 | 2.1 | 269 | 79 | 1654 | 2800 | 1670 | 1980 | 79 | 67 | 12 | -25 | 47 | 0.7 |
| BL1300S | -25000 | 797 | 129 | 75 | 57 | 11 | -10 | 16 | -0.05 | -0.1 | 2.4 | 251 | 88 | 1610 | 2920 | 1740 | 1850 | 86 | 66 | 13 | -25 | 45 | 0.7 |
| BL1400S | -25000 | 586 | 126 | 74 | 55 | 7 | -10 | 14 | 0.08 | -0.1 | 2.7 | 210 | 69 | 1121 | 2860 | 1800 | 2010 | 66 | 60 | 7 | -25 | 38 | 0.5 |
| BL1500S | -25000 | 622 | 124 | 69 | 50 | 8 | -10 | 17 | 0.06 | -0.1 | 2.3 | 227 | 80 | 1225 | 2830 | 1950 | 1900 | 74 | 53 | 7 | -25 | 35 | 0.5 |
| **Mean** | | **745** | **123** | **74** | **55** | **9** | | **16** | **0.05** | | **2** | **232** | **82** | **1360** | **2762** | **1858** | **1944** | **74** | **61** | **10** | | **39** | **1** |
| ***Std. Dev.*** | | ***106*** | ***8*** | ***9*** | ***6*** | ***1*** | | ***2.1*** | ***0.07*** | | ***0.3*** | ***22*** | ***6*** | ***190*** | ***177*** | ***206*** | ***155*** | ***7*** | ***5*** | ***2*** | | ***6*** | ***0.1*** |

Table 2: Analytical Precision
Repeat analyses of control sample from the survey area, interspersed among the sequence of soil samples

| PGE Package: | e Associati | | | High-Field Strength Elements: | | | | | | | Rare Earth Elements: | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID:** | **Sn** | **Tl** | **Bi** | **S.Q. Ti** | **S.Q. Cr** | **Y** | **Zr** | **Nb** | **Hf** | **Ta** | **La** | **Ce** | **Pr** | **Nd** | **Sm** | **Eu** | **Gd** | **Dy** | **Ho** |
| BL100S | 19 | 6.6 | -0.5 | 4590 | 197 | 2980 | 2830 | 24 | 70 | 1.4 | 1860 | 4020 | 596 | 2740 | 619 | 156 | 526 | 600 | 103 |
| BL200S | -10 | 4.3 | -0.5 | 4710 | 178 | 3360 | 3370 | 27 | 87 | 1.9 | 2150 | 4750 | 705 | 3300 | 737 | 187 | 646 | 613 | 125 |
| BL300S | 14 | 7.0 | -0.5 | 3830 | 128 | 3310 | 3230 | 23 | 81 | 1.2 | 1980 | 5292 | 683 | 3100 | 710 | 173 | 598 | 584 | 119 |
| BL400S | -10 | 6.4 | -0.5 | 4370 | 158 | 3720 | 3620 | 23 | 84 | 2.0 | 2320 | 6288 | 789 | 3690 | 847 | 218 | 732 | 711 | 106 |
| BL500S | -10 | 3.7 | -0.5 | 6460 | 256 | 3940 | 4310 | 30 | 87 | 2.3 | 2820 | 6190 | 809 | 3450 | 938 | 233 | 788 | 765 | 102 |
| BL600S | -10 | 3.9 | -0.5 | 5470 | 203 | 3660 | 3810 | 25 | 88 | 2.3 | 2480 | 5100 | 828 | 3800 | 882 | 212 | 737 | 707 | 101 |
| BL700S | -10 | 3.9 | -0.5 | 6375 | 203 | 2880 | 3750 | 24 | 88 | 1.9 | 2163 | 5762 | 722 | 3360 | 785 | 176 | 592 | 630 | 106 |
| BL800S | -10 | 3.3 | -0.5 | 6500 | 223 | 2990 | 3980 | 26 | 87 | 1.8 | 1998 | 5485 | 724 | 3381 | 785 | 181 | 649 | 624 | 101 |
| BL900S | -10 | 4.9 | -0.5 | 6190 | 159 | 3140 | 4077 | 32 | 72 | 1.4 | 2940 | 7379 | 870 | 3733 | 758 | 160 | 626 | 633 | 103 |
| BL1000S | -10 | 5.8 | -0.5 | 5150 | 141 | 3150 | 3798 | 28 | 82 | 1.5 | 2225 | 5789 | 738 | 3318 | 725 | 179 | 632 | 594 | 121 |
| BL1100S | -10 | 4.3 | -0.5 | 6360 | 174 | 2860 | 4100 | 31 | 90 | 1.8 | 1920 | 5180 | 666 | 2940 | 654 | 168 | 582 | 546 | 112 |
| BL1200S | -10 | 4.8 | -0.5 | 6180 | 184 | 3170 | 4460 | 25 | 79 | 1.6 | 2307 | 6925 | 780 | 3507 | 782 | 187 | 653 | 655 | 107 |
| BL1300S | -10 | 3.8 | -0.5 | 6300 | 200 | 3170 | 4550 | 26 | 90 | 1.5 | 2390 | 4471 | 799 | 3612 | 832 | 204 | 715 | 687 | 108 |
| BL1400S | -10 | 8.3 | -0.5 | 5630 | 120 | 2570 | 3500 | 24 | 70 | 2.1 | 2038 | 3933 | 581 | 2703 | 569 | 135 | 451 | 498 | 95 |
| BL1500S | -10 | 6.4 | -0.5 | 5260 | 137 | 2600 | 3450 | 26 | 73 | 1.8 | 2041 | 4044 | 604 | 2772 | 551 | 139 | 491 | 496 | 99 |
| **Mean** | | **5** | | **5558** | **177** | **3167** | **3790** | **26** | **82** | **2** | **2242** | **5374** | **726** | **3294** | **745** | **180** | **628** | **623** | **107** |
| ***Std. Dev.*** | | ***1.5*** | | ***873*** | ***38*** | ***390*** | ***477*** | ***3*** | ***7*** | ***0.3*** | ***315*** | ***1044*** | ***88*** | ***367*** | ***111*** | ***28*** | ***93*** | ***76*** | ***9*** |

Table 2: Analytical Precision
Repeat analyses of control sample from the survey area,
interspersed among the sequence of soil samples

| ***PGE Package:*** | | | | | ***Lithophile Elements:*** | | | | | | | | ***P.G.E.s:*** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID:** | **Er** | **Tm** | **Yb** | **Lu** | **S.Q. Li** | **Be** | **S.Q. Sc** | **Mn** | **Rb** | **Sr** | **Cs** | **Ba** | **Ru** | **Rh** | **Pd** | **Os** | **Ir** | **Pt** |
| BL100S | 309 | 41 | 268 | 46 | 100 | 25 | 378 | 221000 | 239 | 14256 | 2.8 | 43360 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| BL200S | 383 | 50 | 335 | 55 | 104 | 32 | 404 | 252000 | 250 | 14515 | 5.0 | 47840 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| BL300S | 362 | 48 | 321 | 55 | 104 | 25 | 377 | 237000 | 251 | 11664 | 4.9 | 38880 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| BL400S | 439 | 57 | 396 | 65 | 107 | 27 | 492 | 251000 | 243 | 14328 | 5.1 | 47760 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| BL500S | 489 | 64 | 410 | 64 | 106 | 29 | 548 | 380000 | 267 | 12800 | 4.1 | 54160 | -0.2 | -5 | 3 | -0.1 | -10 | 0.2 |
| BL600S | 461 | 60 | 395 | 65 | 105 | 24 | 515 | 269000 | 280 | 13800 | 5.1 | 43360 | -0.2 | -5 | 2 | -0.1 | -10 | 0.1 |
| BL700S | 387 | 49 | 335 | 59 | 108 | 34 | 463 | 174432 | 266 | 14760 | 5.6 | 46400 | -0.2 | -5 | -1 | -0.1 | -10 | -0.1 |
| BL800S | 394 | 49 | 351 | 65 | 112 | 40 | 474 | 184000 | 293 | 15960 | 5.6 | 44000 | -0.2 | -5 | 2 | -0.1 | -10 | -0.1 |
| BL900S | 319 | 53 | 354 | 58 | 127 | 30 | 422 | 260640 | 303 | 16500 | 6.1 | 41800 | -0.2 | -5 | 1 | -0.1 | -10 | 0.2 |
| BL1000S | 365 | 49 | 314 | 56 | 116 | 23 | 371 | 235520 | 280 | 15600 | 4.5 | 43800 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| BL1100S | 338 | 46 | 298 | 51 | 108 | 27 | 409 | 213440 | 298 | 15400 | 5.5 | 43900 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| BL1200S | 383 | 51 | 351 | 60 | 118 | 26 | 463 | 268000 | 291 | 15100 | 5.5 | 40300 | -0.2 | -5 | 1 | -0.1 | -10 | 0.1 |
| BL1300S | 408 | 53 | 361 | 62 | 125 | 29 | 460 | 258000 | 255 | 17280 | 4.1 | 38000 | -0.2 | -5 | 1 | -0.1 | -10 | 0.1 |
| BL1400S | 277 | 38 | 267 | 45 | 120 | 21 | 371 | 243533 | 236 | 14880 | 4.8 | 44900 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| BL1500S | 308 | 40 | 265 | 46 | 122 | 22 | 370 | 241647 | 216 | 14040 | 3.6 | 43100 | -0.2 | -5 | 1 | -0.1 | -10 | -0.1 |
| **Mean** | **375** | **50** | **335** | **57** | **112** | **28** | **434** | **245947** | **265** | **14726** | **5** | **44104** | | | **1** | | | |
| ***Std. Dev.*** | ***59*** | ***7*** | ***47*** | ***7*** | ***9*** | ***5*** | ***58*** | ***46468*** | ***26*** | ***1399*** | ***0.9*** | ***3973*** | | | ***1*** | | | |

Table 2: Analytical Precision
Repeat analyses of control sample from the survey area,
interspersed among the sequence of soil samples

PGE Package:

| Sample ID | S.Q. Cl | V | As | Se | Mo | Sb | Te | W | Re | Au | S.Q. Hg | Th | U |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Oxidation Suite:* | | | | | | | | | | | | |
| 1300S-460W | 82500 | 351 | 58 | 81 | 59 | 9 | -10 | 27 | 0.40 | -0.1 | 2.1 | 194 | 76.3 |
| 1300S-500W | -25000 | 349 | 48 | 60 | 101 | 5 | -10 | 14 | 0.08 | -0.1 | 1.6 | 171 | 87.5 |
| 1400S-20E | -25000 | 407 | 52 | 72 | 47 | 7 | -10 | 18 | -0.05 | -0.1 | 1.7 | 212 | 92.9 |
| 1400S-60E | -25000 | 651 | 59 | 90 | 47 | 11 | -10 | 16 | -0.05 | -0.1 | 2.6 | 227 | 74.3 |
| 1400S-100E | -25000 | 675 | 107 | 69 | 27 | 14 | -10 | 11 | 0.09 | -0.1 | 1.9 | 218 | 98.5 |
| 1400S-140E | -25000 | 628 | 64 | 83 | 52 | 9 | -10 | 19 | -0.05 | -0.1 | 1.7 | 254 | 128 |
| 1400S-180E | -25000 | 916 | 119 | 122 | 77 | 14 | -10 | 26 | 0.08 | -0.1 | 3.6 | 414 | 126 |
| 1400S-220E | -25000 | 433 | 45 | 42 | 59 | 6 | -10 | 11 | -0.05 | -0.1 | 0.9 | 188 | 66.4 |
| 1400S-260E | -25000 | 530 | 42 | 86 | 26 | 6 | -10 | 13 | -0.05 | -0.1 | 1.2 | 168 | 79.2 |
| 1400S-300E | -25000 | 399 | 75 | 72 | 70 | 7 | -10 | 17 | 0.08 | -0.1 | 2.3 | 185 | 42.3 |
| 1400S-340E | -25000 | 500 | 34 | 110 | 49 | 9 | -10 | 17 | -0.05 | -0.1 | 3.1 | 204 | 179 |
| 1400S-380E | -25000 | 760 | 46 | 95 | 65 | 9 | -10 | 15 | -0.05 | -0.1 | 2.6 | 159 | 108 |
| 1400S-420E | -25000 | 480 | 39 | 89 | 26 | 5 | -10 | 13 | -0.05 | -0.1 | 2.0 | 204 | 82.4 |
| 1400S-460E | -25000 | 527 | 67 | 68 | 75 | 6 | -10 | 15 | 0.07 | -0.1 | 0.9 | 191 | 89.6 |
| BL-1400S | -25000 | 586 | 126 | 74 | 55 | 7 | -10 | 14 | 0.08 | -0.1 | 2.7 | 210 | 68.8 |
| 1400S-20W | -25000 | 917 | 47 | 80 | 74 | 12 | -10 | 18 | -0.05 | -0.1 | 2.2 | 267 | 88.6 |
| 1400S-60W | -25000 | 809 | 80 | 65 | 21 | 19 | -10 | 13 | -0.05 | -0.1 | 2.5 | 206 | 25.7 |
| 1400S-100W | -25000 | 594 | 53 | 87 | 62 | 9 | -10 | 18 | 0.08 | -0.1 | 1.5 | 254 | 114 |
| 1400S-140W | -25000 | 697 | 53 | 71 | 50 | 12 | -10 | 13 | -0.05 | -0.1 | 1.9 | 237 | 95.6 |
| 1400S-180W | -25000 | 478 | 41 | 87 | 73 | 7 | -10 | 14 | -0.05 | -0.1 | 2.3 | 237 | 88.0 |
| 1400S-220W | -25000 | 519 | 76 | 72 | 68 | 6 | -10 | 17 | -0.05 | -0.1 | 1.9 | 233 | 61.7 |
| 1400S-260W | -25000 | 1002 | 122 | 72 | 17 | 18 | -10 | 22 | 0.05 | -0.1 | 4.5 | 263 | 21.4 |
| 1400S-300W | -25000 | 556 | 74 | 78 | 50 | 13 | -10 | 20 | -0.05 | -0.1 | 1.8 | 218 | 79.6 |
| 1400S-340W | -25000 | 488 | 42 | 83 | 36 | 12 | -10 | 18 | -0.05 | -0.1 | 2.1 | 186 | 118 |
| 1400S-380W | -25000 | 644 | 46 | 111 | 33 | 17 | -10 | 22 | -0.05 | -0.1 | 3.0 | 191 | 70.9 |
| 1400S-420W | -25000 | 1544 | 84 | 75 | 57 | 15 | -10 | 14 | -0.05 | -0.1 | 1.5 | 177 | 112 |
| 1400S-460W | -25000 | 1557 | 62 | 95 | 34 | 27 | -10 | -10 | -0.05 | -0.1 | 0.9 | 198 | 247 |
| 1400S-500W | 87800 | 1264 | 139 | 101 | 75 | 30 | -10 | 11 | 0.08 | -0.1 | 2.6 | 185 | 149 |
| 1500S-20E | -25000 | 439 | 34 | 74 | 26 | 7 | -10 | 18 | -0.05 | -0.1 | 1.4 | 194 | 113 |
| 1500S-60E | -25000 | 626 | 44 | 66 | 52 | 7 | -10 | 15 | -0.05 | -0.1 | 1.7 | 215 | 37.6 |
| 1500S-100E | -25000 | 804 | 60 | 86 | 101 | 8 | -10 | 17 | 0.05 | -0.1 | 2.2 | 299 | 68.9 |
| 1500S-140E | -25000 | 417 | 44 | 81 | 116 | 5 | -10 | 21 | -0.05 | -0.1 | 3.1 | 237 | 81.0 |
| 1500S-180E | -25000 | 382 | 72 | 68 | 82 | 2 | -10 | 19 | 0.08 | -0.1 | 2.7 | 266 | 77.8 |
| 1500S-220E | -25000 | 442 | 36 | 86 | 73 | 5 | -10 | 18 | -0.05 | -0.1 | 3.1 | 210 | 107 |
| 1500S-260E | -25000 | 566 | 48 | 75 | 93 | 11 | -10 | 20 | -0.05 | -0.1 | 1.9 | 189 | 137 |
| 1500S-300E | -25000 | 394 | 40 | 53 | 120 | 4 | -10 | 13 | 0.08 | -0.1 | 1.8 | 180 | 31.3 |
| 1500S-340E | -25000 | 443 | 51 | 69 | 110 | 5 | -10 | 15 | -0.05 | -0.1 | 2.3 | 228 | 72.0 |
| 1500S-380E | -25000 | 590 | 49 | 63 | 63 | 6 | -10 | 11 | -0.05 | -0.1 | 1.2 | 224 | 105 |
| 1500S-420E | -25000 | 393 | 40 | 65 | 135 | 3 | -10 | 22 | -0.05 | -0.1 | 2.2 | 264 | 89.1 |
| 1500S-460E | -25000 | 453 | 44 | 59 | 107 | 5 | -10 | 19 | -0.05 | -0.1 | 2.5 | 222 | 82.3 |
| BL1500S | -25000 | 622 | 124 | 69 | 50 | 8 | -10 | 17 | 0.06 | -0.1 | 2.3 | 227 | 79.7 |
| 1500S-20W | -25000 | 586 | 61 | 78 | 37 | 11 | -10 | 26 | -0.05 | -0.1 | 2.7 | 233 | 59.6 |
| 1500S-60W | -25000 | 445 | 35 | 80 | 122 | 9 | -10 | 27 | -0.05 | -0.1 | 2.3 | 284 | 50.2 |
| 1500S-100W | -25000 | 570 | 46 | 66 | -1 | 8 | -10 | -10 | -0.05 | -0.1 | 1.4 | 129 | 111 |
| 1500S-140W | -25000 | 630 | 65 | 47 | 12 | -1 | -10 | -10 | -0.05 | -0.1 | 1.1 | 111 | 37.8 |
| 1500S-180W | -25000 | 558 | 128 | 51 | 33 | 15 | -10 | 29 | -0.05 | -0.1 | 3.6 | 236 | 27.0 |
| 1500S-220W | -25000 | 250 | 63 | 36 | 72 | -1 | -10 | 17 | -0.05 | -0.1 | 1.0 | 186 | 26.6 |
| 1500S-260W | -25000 | 606 | 51 | 92 | 52 | 18 | -10 | 32 | -0.05 | -0.1 | 3.1 | 275 | 90.9 |
| 1500S-300W | -25000 | 414 | 38 | 51 | 21 | 14 | -10 | 29 | -0.05 | -0.1 | 2.3 | 206 | 47.0 |
| 1500S-340W | -25000 | 522 | 44 | 78 | 49 | 12 | -10 | 30 | -0.05 | -0.1 | 2.7 | 237 | 63.9 |
| 1500S-380W | -25000 | 1308 | 71 | 74 | 37 | 39 | -10 | 23 | -0.05 | -0.1 | 2.1 | 227 | 236 |
| 300S-100E | -25000 | 763 | 220 | 83 | 191 | 40 | -10 | 15 | 0.44 | -0.1 | 11.4 | 46.4 | 21.2 |
| 500S-140E | -25000 | 972 | 169 | 69 | 270 | 31 | -10 | 32 | 0.18 | -0.1 | 9.3 | 115 | 22.5 |
| 1200S-500E | -25000 | 910 | 141 | 78 | 5 | 23 | -10 | 20 | 0.61 | -0.1 | 5.2 | 110 | 32.9 |

| Sample ID | Co | Ni | Cu | Zn | Pb | Ga | Ge | Ag | Cd | In | Sn | Tl | Bi |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Base Met:* | | | | | *Base Metal - Chalcophile Associat.* | | | | | | | |
| 1300S-460W | 1245.4 | 1490 | 385 | 76 | 33 | 42.9 | 6 | -25 | 13.7 | -0.2 | -10 | 3.0 | -0.5 |
| 1300S-500W | 1181.3 | 2180 | 967 | 222 | 35 | 45.5 | 8 | -25 | 13.5 | 0.3 | -10 | 6.5 | -0.5 |
| 1400S-20E | 1697.6 | 2700 | 2000 | 298 | 50 | 59.8 | 10 | -25 | 41.6 | 0.3 | 11 | 6.3 | -0.5 |
| 1400S-60E | 2386.1 | 4780 | 2750 | 233 | 48 | 66.0 | 14 | -25 | 27.5 | 0.5 | -10 | 8.2 | -0.5 |
| 1400S-100E | 1387.1 | 2600 | 2270 | 416 | 44 | 49.7 | 10 | -25 | 30.7 | 0.7 | -10 | 8.7 | -0.5 |
| 1400S-140E | 2021.6 | 3270 | 2110 | 291 | 60 | 63.3 | 12 | -25 | 26.8 | 0.4 | -10 | 8.7 | -0.5 |
| 1400S-180E | 2774.3 | 5150 | 2650 | 1240 | 110 | 88.2 | 19 | -25 | 62.3 | 0.5 | 11 | 9.3 | -0.5 |
| 1400S-220E | 1589.6 | 2270 | 1220 | 415 | 53 | 47.3 | 6 | -25 | 24.9 | 0.2 | -10 | 3.5 | -0.5 |
| 1400S-260E | 1316.3 | 2900 | 1420 | 262 | 62 | 63.0 | 11 | -25 | 19.3 | 0.4 | -10 | 13.0 | -0.5 |
| 1400S-300E | 1343.3 | 4150 | 1620 | 962 | 47 | 61.8 | 8 | -25 | 30.3 | 0.4 | -10 | 14.7 | -0.5 |
| 1400S-340E | 1036.1 | 3300 | 1510 | 777 | 59 | 80.8 | 13 | -25 | 28.4 | 0.4 | -10 | 17.4 | -0.5 |
| 1400S-380E | 2102.6 | 4650 | 2780 | 435 | 78 | 87.8 | 13 | -25 | 31.0 | 0.4 | -10 | 9.0 | -0.5 |
| 1400S-420E | 895.5 | 2670 | 2020 | 485 | 73 | 73.9 | 9 | -25 | 27.9 | 0.4 | -10 | 9.2 | -0.5 |
| 1400S-460E | 828.0 | 2570 | 2800 | 769 | 62 | 66.9 | 8 | -25 | 31.1 | 0.5 | 19 | 11.5 | -0.5 |
| BL-1400S | 1120.5 | 2860 | 1800 | 2010 | 66 | 59.7 | 7 | -25 | 38.0 | 0.5 | -10 | 8.3 | -0.5 |
| 1400S-20W | 1896.8 | 4530 | 2040 | 140 | 91 | 76.6 | 11 | -25 | 52.8 | 0.4 | -10 | 11.0 | -0.5 |
| 1400S-60W | 1363.5 | 2680 | 2400 | 304 | 50 | 59.0 | 9 | -25 | 51.1 | -0.2 | -10 | 5.5 | -0.5 |
| 1400S-100W | 1842.8 | 3420 | 2340 | 437 | 113 | 87.8 | 15 | -25 | 46.9 | 0.5 | -10 | 6.2 | -0.5 |
| 1400S-140W | 1032.8 | 1880 | 2300 | 259 | 80 | 62.3 | 9 | -25 | 28.6 | 0.3 | -10 | 9.5 | -0.5 |
| 1400S-180W | 1555.9 | 2460 | 1880 | 358 | 67 | 70.8 | 11 | -25 | 29.3 | 0.3 | -10 | 5.6 | -0.5 |
| 1400S-220W | 1866.4 | 3510 | 1860 | 337 | 83 | 67.2 | 11 | -25 | 31.9 | 0.3 | -10 | 5.8 | -0.5 |
| 1400S-260W | 1221.8 | 2530 | 3860 | 119 | 68 | 66.7 | 10 | -25 | 31.3 | 0.3 | -10 | 6.8 | -0.5 |
| 1400S-300W | 1508.6 | 2780 | 2390 | 445 | 69 | 65.3 | 11 | -25 | 31.1 | 0.4 | -10 | 6.1 | -0.5 |
| 1400S-340W | 2305.1 | 3330 | 3090 | 109 | 54 | 72.7 | 12 | -25 | 26.7 | -0.2 | -10 | 2.5 | -0.5 |
| 1400S-380W | 2136.4 | 3460 | 1600 | 105 | 34 | 65.2 | 10 | -25 | 13.1 | 0.3 | -10 | 2.8 | -0.5 |
| 1400S-420W | 597.4 | 1270 | 2280 | 67 | 22 | 43.1 | 6 | -25 | 16.4 | -0.2 | 34 | 15.3 | -0.5 |
| 1400S-460W | 143.3 | 1030 | 5710 | 40 | 12 | 54.0 | 13 | -25 | 13.9 | -0.2 | -10 | 23.6 | -0.5 |
| 1400S-500W | 429.8 | 1120 | 2030 | -20 | 14 | 44.3 | 7 | -25 | 13.7 | -0.2 | -10 | 10.1 | -0.5 |
| 1500S-20E | 1660.5 | 3000 | 2200 | 196 | 74 | 77.3 | 11 | -25 | 30.9 | 0.3 | -10 | 6.3 | -0.5 |
| 1500S-60E | 2031.8 | 6090 | 2460 | 168 | 54 | 62.7 | 9 | -25 | 27.0 | -0.2 | -10 | 5.4 | -0.5 |
| 1500S-100E | 2460.4 | 4610 | 2070 | 287 | 110 | 92.6 | 15 | -25 | 34.5 | 0.4 | -10 | 8.0 | -0.5 |
| 1500S-140E | 2112.8 | 3860 | 1110 | 172 | 76 | 69.3 | 10 | -25 | 31.6 | 0.4 | -10 | 3.7 | -0.5 |
| 1500S-180E | 1339.9 | 3180 | 1700 | 570 | 76 | 72.4 | 9 | -25 | 33.7 | 0.3 | -10 | 6.2 | -0.5 |
| 1500S-220E | 1667.3 | 3220 | 1910 | 189 | 67 | 80.2 | 11 | -25 | 27.3 | 0.3 | -10 | 4.7 | -0.5 |
| 1500S-260E | 2055.4 | 4980 | 2890 | 289 | 85 | 88.7 | 11 | -25 | 40.2 | 0.3 | -10 | 3.2 | -0.5 |
| 1500S-300E | 837.0 | 3240 | 1240 | 870 | 52 | 54.7 | 7 | -25 | 26.8 | 0.6 | 27 | 9.4 | -0.5 |
| 1500S-340E | 1576.1 | 3330 | 1420 | 531 | 87 | 62.9 | 11 | -25 | 25.2 | 0.3 | -10 | 6.0 | -0.5 |
| 1500S-380E | 1360.1 | 2380 | 1770 | 216 | 96 | 68.1 | 11 | -25 | 20.5 | 0.4 | -10 | 8.9 | -0.5 |
| 1500S-420E | 1856.3 | 3050 | 903 | 417 | 92 | 76.6 | 6 | -25 | 31.5 | 0.3 | -10 | 4.9 | -0.5 |
| 1500S-460E | 1441.1 | 3450 | 1500 | 659 | 78 | 66.9 | 6 | -25 | 30.7 | 0.3 | -10 | 7.2 | -0.5 |
| BL1500S | 1225.1 | 2830 | 1950 | 1900 | 74 | 53.2 | 7 | -25 | 34.6 | 0.5 | -10 | 6.4 | -0.5 |
| 1500S-20W | 1593.0 | 3130 | 1580 | 246 | 76 | 66.3 | 7 | -25 | 39.8 | 0.3 | -10 | 4.5 | -0.5 |
| 1500S-60W | 1488.4 | 3200 | 770 | 288 | 109 | 74.8 | 10 | -25 | 34.4 | 0.5 | -10 | 4.5 | -0.5 |
| 1500S-100W | 361.1 | 1070 | 4010 | 322 | 69 | 40.9 | 4 | -25 | 34.6 | 0.5 | 13 | 29.9 | -0.5 |
| 1500S-140W | 260.6 | 563 | 630 | 430 | 56 | 32.3 | 2 | -25 | 12.8 | 0.6 | 62 | 52.4 | -0.5 |
| 1500S-180W | 968.6 | 2100 | 1210 | 2110 | 76 | 67.5 | 6 | -25 | 38.4 | 0.6 | -10 | 6.8 | -0.5 |
| 1500S-220W | 918.0 | 1370 | 597 | 992 | 109 | 48.3 | 3 | -25 | 19.5 | 0.5 | 12 | 5.3 | -0.5 |
| 1500S-260W | 2106.0 | 2210 | 1870 | 237 | 83 | 77.3 | 12 | -25 | 28.1 | 0.7 | 75 | 3.1 | -0.5 |
| 1500S-300W | 1586.3 | 2520 | 1420 | 465 | 47 | 55.2 | 8 | -25 | 23.8 | 0.5 | 93 | 1.9 | -0.5 |
| 1500S-340W | 1761.8 | 2780 | 1600 | 211 | 65 | 64.9 | 8 | -25 | 28.2 | 0.4 | -10 | 8.9 | -0.5 |
| 1500S-380W | 742.5 | 2020 | 3520 | 367 | 54 | 60.0 | 9 | -25 | 26.4 | 0.2 | -10 | 10.1 | -0.5 |
| 300S-100E | 1339.9 | 1800 | 88000 | 2060 | 363 | 29.8 | 3 | -25 | 138.0 | 1.7 | -10 | 12.0 | -0.5 |
| 500S-140E | 1576.1 | 3840 | 37200 | 871 | 155 | 47.4 | 5 | -25 | 69.4 | 1.0 | -10 | 2.9 | -0.5 |
| 1200S-500E | 614.3 | 1770 | 2500 | 243 | 47 | 32.3 | 6 | -25 | 32.4 | 0.2 | 12 | 7.9 | -0.5 |

| Sample ID | S.Q. Ti | S.Q. Cr | Y | Zr | Nb | Hf | Ta |
|---|---|---|---|---|---|---|---|
| | *High-Field Strength Elements:* | | | | | | |
| 1300S-460W | 4880 | 60 | 1970.0 | 2460.0 | 21.6 | 38.7 | -0.1 |
| 1300S-500W | 5270 | 101 | 2380.0 | 2430.0 | 20.6 | 43.2 | 0.3 |
| 1400S-20E | 4640 | 101 | 3140.0 | 3280.0 | 22.8 | 67.2 | 0.4 |
| 1400S-60E | 3740 | 165 | 3380.0 | 2570.0 | 17.4 | 56.7 | 0.3 |
| 1400S-100E | 6630 | 178 | 2570.0 | 4140.0 | 29.9 | 79.6 | 0.2 |
| 1400S-140E | 6290 | 200 | 3440.0 | 3970.0 | 30.2 | 79.5 | 0.5 |
| 1400S-180E | 7680 | 264 | 4700.0 | 5380.0 | 39.6 | 107.0 | 0.9 |
| 1400S-220E | 4130 | 101 | 2030.0 | 2380.0 | 18.1 | 47.0 | -0.1 |
| 1400S-260E | 3820 | 110 | 3380.0 | 2620.0 | 17.7 | 53.7 | 0.2 |
| 1400S-300E | 4540 | 143 | 2580.0 | 2570.0 | 18.2 | 55.3 | -0.1 |
| 1400S-340E | 4370 | 168 | 4830.0 | 4550.0 | 21.5 | 96.4 | 0.5 |
| 1400S-380E | 3370 | 120 | 4170.0 | 2750.0 | 17.3 | 62.8 | 0.4 |
| 1400S-420E | 4380 | 119 | 3380.0 | 3870.0 | 25.4 | 79.2 | 0.3 |
| 1400S-460E | 5560 | 135 | 2700.0 | 3980.0 | 29.7 | 79.3 | -0.1 |
| BL-1400S | 5630 | 120 | 2570.0 | 3500.0 | 24.0 | 69.6 | 2.1 |
| 1400S-20W | 5760 | 206 | 3440.0 | 4100.0 | 30.2 | 86.1 | 0.3 |
| 1400S-60W | 3140 | 180 | 2710.0 | 2570.0 | 14.5 | 47.8 | 0.2 |
| 1400S-100W | 4540 | 168 | 3970.0 | 4090.0 | 26.0 | 87.0 | 0.5 |
| 1400S-140W | 5280 | 139 | 3480.0 | 3940.0 | 26.4 | 76.2 | 0.3 |
| 1400S-180W | 4100 | 135 | 3460.0 | 3760.0 | 24.9 | 76.1 | 0.3 |
| 1400S-220W | 4460 | 131 | 3140.0 | 3540.0 | 23.7 | 69.1 | 0.4 |
| 1400S-260W | 5010 | 208 | 2880.0 | 2410.0 | 19.3 | 36.8 | 0.2 |
| 1400S-300W | 4540 | 103 | 3540.0 | 3970.0 | 24.6 | 79.3 | 0.2 |
| 1400S-340W | 3390 | 78 | 3700.0 | 3160.0 | 18.4 | 65.3 | 0.3 |
| 1400S-380W | 3910 | 59 | 3080.0 | 2720.0 | 17.2 | 54.0 | 0.2 |
| 1400S-420W | 3550 | 177 | 2240.0 | 2680.0 | 18.6 | 43.5 | 0.1 |
| 1400S-460W | 3510 | 93 | 3160.0 | 3600.0 | 22.2 | 53.4 | 0.1 |
| 1400S-500W | 3060 | 152 | 2860.0 | 3350.0 | 15.9 | 46.1 | -0.1 |
| 1500S-20E | 5380 | 142 | 3490.0 | 3890.0 | 25.0 | 92.5 | 0.4 |
| 1500S-60E | 2690 | 173 | 2950.0 | 1790.0 | 11.1 | 44.1 | 0.1 |
| 1500S-100E | 7100 | 265 | 3250.0 | 4120.0 | 34.4 | 95.5 | 0.5 |
| 1500S-140E | 5030 | 151 | 2750.0 | 3320.0 | 23.2 | 71.7 | 0.3 |
| 1500S-180E | 6350 | 208 | 2980.0 | 4030.0 | 28.8 | 95.2 | 0.5 |
| 1500S-220E | 5700 | 132 | 3320.0 | 4360.0 | 27.8 | 98.1 | 0.3 |
| 1500S-260E | 5760 | 148 | 4390.0 | 4190.0 | 25.4 | 95.9 | 0.4 |
| 1500S-300E | 3910 | 161 | 2120.0 | 2050.0 | 15.3 | 47.9 | -0.1 |
| 1500S-340E | 5210 | 176 | 2610.0 | 3720.0 | 26.5 | 76.0 | 0.3 |
| 1500S-380E | 6810 | 209 | 2800.0 | 3550.0 | 31.6 | 82.2 | 0.2 |
| 1500S-420E | 5500 | 155 | 2800.0 | 3740.0 | 24.6 | 82.6 | 0.2 |
| 1500S-460E | 4770 | 144 | 2830.0 | 3560.0 | 25.3 | 83.1 | 0.2 |
| BL1500S | 5260 | 137 | 2600.0 | 3450.0 | 26.1 | 73.2 | 1.8 |
| 1500S-20W | 4130 | 116 | 2940.0 | 2930.0 | 18.7 | 64.0 | 0.3 |
| 1500S-60W | 5220 | 185 | 2870.0 | 3140.0 | 19.1 | 71.1 | 0.2 |
| 1500S-100W | 4100 | 157 | 2240.0 | 3710.0 | 15.4 | 91.7 | 0.2 |
| 1500S-140W | 4260 | 255 | 507.0 | 2150.0 | 8.1 | 63.0 | -0.1 |
| 1500S-180W | 5570 | 170 | 2310.0 | 2380.0 | 25.4 | 59.8 | -0.1 |
| 1500S-220W | 5320 | 154 | 1190.0 | 1940.0 | 20.0 | 49.4 | -0.1 |
| 1500S-260W | 6180 | 131 | 3870.0 | 4170.0 | 28.3 | 94.5 | 0.5 |
| 1500S-300W | 3510 | 71 | 2860.0 | 2360.0 | 13.2 | 56.7 | -0.1 |
| 1500S-340W | 5860 | 193 | 2780.0 | 3080.0 | 24.4 | 70.2 | 0.3 |
| 1500S-380W | 5200 | 256 | 3140.0 | 3300.0 | 25.1 | 65.8 | 0.4 |
| 300S-100E | 944 | 289 | 1490.0 | 501.0 | 1.8 | 17.6 | -0.1 |
| 500S-140E | 2040 | 247 | 2040.0 | 929.0 | 4.2 | 24.0 | -0.1 |
| 1200S-500E | 2310 | 159 | 1570.0 | 944.0 | 5.6 | 17.5 | -0.1 |



Table 1: Analytical data, as received from Actlabs
14th February 2002

| PGE Package: | Oxidation Suite: | | | | | | | | | | | | | Base Met: | | | | | Base Metal - Chalcophile Associat | | | | | | | | High-Field Strength Elements: | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID: | S.Q. Cl | V | As | Se | Mo | Sb | Te | W | Re | Au | S.Q. Hg | Th | U | Co | Ni | Cu | Zn | Pb | Ga | Ge | Ag | Cd | In | Sn | Tl | Bi | S.Q. Ti | S.Q. Cr | Y | Zr | Nb | Hf | Ta |
| 1000S-340W | -25000 | 508 | 83 | 109 | 113 | 9 | -10 | 21 | 0.07 | -0.1 | 3.1 | 282 | 95.6 | 2812.5 | 5350 | 2620 | 476 | 117 | 101.7 | 15 | -25 | 40.1 | 0.4 | -10 | 12.0 | -0.5 | 4730 | 145 | 4580.0 | 5110.0 | 34.3 | 84.5 | 0.6 |
| 1000S-380W | -25000 | 706 | 89 | 94 | 79 | 15 | -10 | 27 | -0.05 | -0.1 | 3.1 | 234 | 113 | 2365.0 | 5320 | 2970 | 450 | 69 | 90.9 | 18 | -25 | 29.9 | 0.4 | -10 | 9.7 | -0.5 | 3500 | 118 | 5530.0 | 4200.0 | 29.0 | 68.9 | 1.0 |
| 1000S-420W | -25000 | 579 | 68 | 97 | 67 | 15 | -10 | 23 | -0.05 | -0.1 | 2.3 | 270 | 80.3 | 2236.5 | 4820 | 2620 | 246 | 81 | 102.6 | 18 | -25 | 29.5 | 0.5 | -10 | 9.7 | -0.5 | 4300 | 159 | 5440.0 | 4740.0 | 31.0 | 74.9 | 0.9 |
| 1000S-460W | -25000 | 509 | 68 | 65 | 71 | 16 | -10 | 26 | -0.05 | -0.1 | 2.1 | 191 | 53.3 | 2587.5 | 5890 | 2820 | 297 | 59 | 71.9 | 14 | -25 | 22.2 | 0.4 | 10 | 5.7 | -0.5 | 2630 | 89 | 3770.0 | 2040.0 | 15.0 | 36.2 | 0.4 |
| 1000S-500W | -25000 | 659 | 62 | 77 | 95 | 21 | -10 | 19 | 0.13 | -0.1 | 2.5 | 234 | 52.9 | 1566.0 | 3310 | 1910 | 32 | 52 | 69.4 | 13 | -25 | 20.9 | 0.3 | -10 | 5.5 | -0.5 | 4220 | 112 | 3500.0 | 3760.0 | 30.2 | 54.3 | 0.4 |
| 1100S-20E | -25000 | 535 | 135 | 68 | 344 | 10 | -10 | 26 | -0.05 | -0.1 | 2.3 | 305 | 64.4 | 2722.5 | 6790 | 2000 | 1710 | 104 | 97.2 | 14 | -25 | 88.3 | 0.7 | -10 | 6.3 | -0.5 | 7260 | 195 | 3560.0 | 4590.0 | 37.5 | 73.8 | 0.7 |
| 1100S-60E | -25000 | 500 | 63 | 90 | 128 | 11 | -10 | 22 | 0.07 | -0.1 | 1.9 | 236 | 77.6 | 2223.0 | 6720 | 2150 | 288 | 67 | 74.8 | 13 | -25 | 38.3 | 0.3 | -10 | 6.6 | -0.5 | 3930 | 153 | 3680.0 | 3870.0 | 27.4 | 63.8 | 0.5 |
| 1100S-100E | -25000 | 530 | 53 | 71 | 98 | 7 | -10 | 15 | -0.05 | -0.1 | 1.9 | 272 | 33.5 | 1845.0 | 6140 | 1470 | 383 | 70 | 78.8 | 12 | -25 | 27.3 | 0.5 | 12 | 9.0 | -0.5 | 4280 | 188 | 2980.0 | 2960.0 | 20.5 | 51.2 | 0.3 |
| 1100S-140E | -25000 | 577 | 113 | 63 | 158 | 6 | -10 | 28 | -0.05 | -0.1 | 2.8 | 314 | 88.7 | 2171.3 | 4930 | 2350 | 559 | 123 | 89.2 | 11 | -25 | 48.4 | 0.8 | -10 | 6.7 | -0.5 | 8900 | 174 | 3090.0 | 6310.0 | 44.7 | 98.6 | 0.3 |
| 1100S-180E | -25000 | 518 | 59 | 81 | 44 | 5 | -10 | 13 | -0.05 | -0.1 | 1.5 | 266 | 97.0 | 1622.3 | 4800 | 2550 | 218 | 86 | 85.0 | 13 | -25 | 29.9 | 0.6 | 25 | 11.5 | -0.5 | 5510 | 182 | 3610.0 | 4970.0 | 34.9 | 80.7 | 0.5 |
| 1100S-220E | -25000 | 565 | 63 | 58 | 58 | 10 | -10 | 17 | -0.05 | -0.1 | 2.5 | 248 | 61.0 | 1273.5 | 4740 | 2800 | 455 | 46 | 64.7 | 13 | -25 | 19.9 | 0.5 | -10 | 8.6 | -0.5 | 4600 | 184 | 3220.0 | 3360.0 | 24.1 | 57.1 | 0.4 |
| 1100S-260E | -25000 | 503 | 212 | 65 | 97 | 10 | -10 | 22 | 0.12 | -0.1 | 3.5 | 260 | 68.8 | 1728.0 | 4100 | 1580 | 1230 | 184 | 69.8 | 13 | -25 | 36.6 | 0.6 | -10 | 5.2 | -0.5 | 8960 | 178 | 2540.0 | 5090.0 | 50.3 | 84.5 | 0.4 |
| 1100S-300E | -25000 | 428 | 56 | 75 | 37 | 10 | -10 | 15 | -0.05 | -0.1 | 2.9 | 245 | 78.1 | 1685.3 | 4250 | 2300 | 526 | 50 | 73.8 | 14 | -25 | 30.0 | 0.5 | 21 | 7.4 | -0.5 | 4830 | 139 | 3490.0 | 4160.0 | 27.7 | 75.0 | 0.5 |
| 1100S-340E | -25000 | 694 | 75 | 83 | 38 | 16 | -10 | 22 | -0.05 | -0.1 | 2.6 | 225 | 52.2 | 2011.5 | 6610 | 3930 | 229 | 48 | 73.0 | 13 | -25 | 33.4 | 0.4 | -10 | 4.2 | -0.5 | 3120 | 156 | 3770.0 | 2970.0 | 18.4 | 47.1 | 0.5 |
| 1100S-380E | -25000 | 681 | 75 | 80 | 51 | 18 | -10 | 19 | -0.05 | -0.1 | 2.1 | 237 | 122 | 1449.0 | 3390 | 5210 | 521 | 57 | 77.0 | 15 | -25 | 42.1 | 0.5 | 33 | 5.2 | -0.5 | 5310 | 95 | 3970.0 | 4660.0 | 31.7 | 71.4 | 0.6 |
| 1100S-460E | -25000 | 856 | 208 | 66 | 33 | 18 | -10 | 15 | 0.14 | -0.1 | 2.2 | 261 | 61.2 | 1588.5 | 5190 | 4690 | 400 | 46 | 65.8 | 13 | -25 | 28.0 | 0.4 | -10 | 5.1 | -0.5 | 3260 | 159 | 3130.0 | 3270.0 | 20.3 | 50.0 | 0.3 |
| 1100S-500E | -25000 | 636 | 79 | 73 | 56 | 14 | -10 | 22 | -0.05 | -0.1 | 1.5 | 215 | 62.6 | 2317.5 | 7500 | 3540 | 596 | 47 | 64.9 | 13 | -25 | 30.5 | 0.2 | -10 | 4.6 | -0.5 | 2770 | 116 | 3390.0 | 2420.0 | 16.6 | 41.1 | 0.5 |
| BL1100S | -25000 | 624 | 105 | 79 | 45 | 8 | -10 | 15 | 0.08 | -0.1 | 2.3 | 230 | 74.3 | 1146.0 | 2480 | 1650 | 1820 | 75 | 60.9 | 9 | -25 | 41.0 | 0.7 | -10 | 4.3 | -0.5 | 6360 | 174 | 2860.0 | 4100.0 | 31.3 | 89.7 | 1.8 |
| 1100S-20W | -25000 | 520 | 57 | 88 | 93 | 8 | -10 | 16 | -0.05 | -0.1 | 2.0 | 251 | 127 | 1599.8 | 3650 | 1510 | 335 | 74 | 82.2 | 15 | -25 | 51.3 | 0.6 | -10 | 7.9 | -0.5 | 6460 | 152 | 4080.0 | 5050.0 | 34.3 | 86.2 | 0.7 |
| 1100S-60W | -25000 | 732 | 82 | 77 | 46 | 10 | -10 | -10 | 0.09 | -0.1 | 1.9 | 288 | 108 | 1104.8 | 2900 | 2490 | 484 | 63 | 69.6 | 14 | -25 | 56.5 | 0.4 | -10 | 11.1 | -0.5 | 6130 | 181 | 3620.0 | 5410.0 | 37.3 | 83.5 | 0.4 |
| 1100S-100W | -25000 | 695 | 75 | 97 | 81 | 10 | -10 | 18 | -0.05 | -0.1 | 2.3 | 266 | 118 | 1703.3 | 4430 | 2110 | 458 | 78 | 90.0 | 15 | -25 | 56.6 | 0.5 | -10 | 6.4 | -0.5 | 5470 | 154 | 4330.0 | 4750.0 | 35.8 | 77.0 | 0.8 |
| 1100S-140W | -25000 | 636 | 101 | 86 | 38 | 15 | -10 | 18 | -0.05 | -0.1 | 1.9 | 233 | 112 | 1482.8 | 3870 | 3340 | 380 | 86 | 79.2 | 15 | -25 | 58.4 | 0.3 | -10 | 5.0 | -0.5 | 4420 | 122 | 4380.0 | 4700.0 | 26.5 | 78.8 | 0.6 |
| 1100S-180W | -25000 | 643 | 86 | 76 | 61 | 14 | -10 | 18 | -0.05 | -0.1 | 1.9 | 263 | 149 | 1536.8 | 3820 | 3580 | 236 | 77 | 78.4 | 14 | -25 | 41.0 | 0.5 | 14 | 5.3 | -0.5 | 5260 | 130 | 4210.0 | 5280.0 | 33.9 | 91.9 | 0.6 |
| 1100S-220W | -25000 | 326 | 166 | 51 | 256 | 5 | -10 | 21 | -0.05 | -0.1 | 1.9 | 234 | 45.2 | 1305.0 | 2640 | 761 | 1160 | 68 | 60.1 | 8 | -25 | 65.3 | 0.4 | 14 | 3.2 | -0.5 | 6080 | 88 | 2180.0 | 3640.0 | 32.0 | 63.4 | 0.1 |
| 1100S-260W | -25000 | 842 | 101 | 82 | 46 | 26 | -10 | 17 | -0.05 | -0.1 | 3.0 | 288 | 42.1 | 1968.8 | 5040 | 3560 | 533 | 85 | 79.7 | 13 | -25 | 61.9 | 0.5 | -10 | 6.2 | -0.5 | 4130 | 312 | 3980.0 | 3910.0 | 25.7 | 62.5 | 0.5 |
| 1100S-300W | -25000 | 568 | 87 | 99 | 50 | 10 | -10 | 18 | -0.05 | -0.1 | 3.1 | 225 | 79.9 | 1824.8 | 4870 | 2370 | 377 | 46 | 81.9 | 17 | -25 | 43.7 | 0.4 | -10 | 4.1 | -0.5 | 3570 | 121 | 5070.0 | 4080.0 | 20.4 | 69.0 | 0.7 |
| 1100S-340W | -25000 | 764 | 74 | 73 | 80 | 13 | -10 | 20 | -0.05 | -0.1 | 2.2 | 245 | 107 | 1674.0 | 4100 | 2910 | 368 | 72 | 83.1 | 16 | -25 | 35.6 | 0.4 | 13 | 8.0 | -0.5 | 4390 | 128 | 4770.0 | 4500.0 | 33.5 | 77.5 | 0.8 |
| 1100S-380W | -25000 | 400 | 58 | 47 | 84 | 5 | -10 | 25 | -0.05 | -0.1 | 2.2 | 191 | 47.2 | 1741.5 | 3780 | 1680 | 867 | 61 | 62.7 | 10 | -25 | 40.4 | 0.4 | 27 | 3.7 | -0.5 | 3200 | 47 | 3170.0 | 3010.0 | 18.4 | 51.6 | 0.4 |
| 1100S-420W | -25000 | 484 | 42 | 79 | 89 | 6 | -10 | 21 | -0.05 | -0.1 | 2.7 | 182 | 68.8 | 2115.0 | 5110 | 2440 | 206 | 39 | 76.0 | 13 | -25 | 21.0 | 0.3 | -10 | 3.4 | -0.5 | 3090 | 93 | 3980.0 | 2760.0 | 14.5 | 52.8 | 0.4 |
| 1100S-460W | -25000 | 232 | 135 | 56 | 43 | 3 | -10 | 20 | 0.07 | -0.1 | 2.1 | 228 | 20.5 | 967.5 | 2790 | 828 | 1740 | 44 | 51.7 | 8 | -25 | 19.5 | 0.3 | -10 | 2.8 | -0.5 | 3360 | 61 | 2760.0 | 2490.0 | 22.6 | 40.4 | 0.1 |
| 1100S-500W | -25000 | 439 | 162 | 36 | 103 | 6 | -10 | 14 | 0.17 | -0.1 | 2.3 | 165 | 55.4 | 812.3 | 1750 | 465 | 750 | 40 | 45.5 | 7 | -25 | 18.4 | 0.4 | -10 | 5.4 | -0.5 | 5970 | 85 | 1980.0 | 2350.0 | 27.1 | 47.4 | 0.2 |
| 1200S-20E | -25000 | 521 | 57 | 54 | 130 | 8 | -10 | 18 | -0.05 | -0.1 | 3.7 | 236 | 77.9 | 1163.3 | 2970 | 1090 | 1720 | 45 | 60.4 | 10 | -25 | 85.3 | 0.6 | -10 | 5.6 | -0.5 | 6410 | 131 | 2610.0 | 3780.0 | 37.5 | 70.9 | 0.4 |
| 1200S-60E | -25000 | 626 | 61 | 72 | 143 | 12 | -10 | 19 | -0.05 | -0.1 | 1.8 | 233 | 103 | 1266.8 | 3910 | 1770 | 531 | 44 | 62.9 | 12 | -25 | 34.9 | 0.5 | -10 | 6.1 | -0.5 | 5060 | 146 | 3630.0 | 3770.0 | 29.6 | 65.4 | 0.3 |
| 1200S-100E | -25000 | 830 | 72 | 66 | 61 | 19 | -10 | 17 | -0.05 | -0.1 | 2.2 | 234 | 104 | 1737.0 | 5120 | 3110 | 355 | 47 | 64.2 | 12 | -25 | 35.6 | 0.3 | 11 | 6.7 | -0.5 | 3960 | 137 | 3800.0 | 3770.0 | 27.3 | 62.1 | 0.7 |
| 1200S-140E | -25000 | 575 | 62 | 68 | 41 | 12 | -10 | 19 | -0.05 | -0.1 | 2.3 | 206 | 55.1 | 1705.5 | 5590 | 2000 | 437 | 44 | 63.5 | 15 | -25 | 34.1 | 0.3 | 10 | 3.0 | -0.5 | 2940 | 82 | 3710.0 | 2500.0 | 16.7 | 43.2 | 0.4 |
| 1200S-180E | -25000 | 910 | 97 | 79 | 60 | 15 | -10 | 22 | 0.06 | -0.1 | 2.0 | 275 | 114 | 2430.0 | 4370 | 3150 | 558 | 125 | 84.8 | 14 | -25 | 50.9 | 0.7 | 14 | 2.4 | -0.5 | 7800 | 166 | 3940.0 | 5530.0 | 38.0 | 94.6 | 0.6 |
| 1200S-220E | -25000 | 800 | 48 | 61 | 71 | 8 | -10 | 18 | -0.05 | -0.1 | 1.5 | 254 | 97.4 | 2947.5 | 6570 | 3440 | 531 | 116 | 85.6 | 12 | -25 | 41.9 | 0.5 | -10 | 2.5 | -0.5 | 5970 | 188 | 3620.0 | 3900.0 | 29.2 | 74.5 | 0.7 |
| 1200S-260E | -25000 | 644 | 130 | 53 | 72 | 6 | -10 | 18 | -0.05 | -0.1 | 3.1 | 276 | 99.2 | 2497.5 | 4500 | 2560 | 353 | 106 | 76.3 | 10 | -25 | 30.1 | 0.4 | -10 | 3.1 | -0.5 | 8670 | 239 | 2800.0 | 5380.0 | 41.3 | 97.0 | 0.5 |
| 1200S-300E | -25000 | 673 | 64 | 71 | 64 | 8 | -10 | 17 | -0.05 | -0.1 | 2.7 | 239 | 93.1 | 2250.0 | 4760 | 2190 | 282 | 81 | 71.4 | 12 | -25 | 29.6 | 0.5 | -10 | 1.6 | -0.5 | 7360 | 136 | 3200.0 | 4650.0 | 35.1 | 84.4 | 0.6 |
| 1200S-340E | -25000 | 672 | 69 | 75 | 114 | 7 | -10 | 18 | 0.06 | -0.1 | 1.6 | 282 | 85.1 | 2317.5 | 5870 | 2390 | 733 | 102 | 77.8 | 17 | -25 | 33.4 | 0.6 | -10 | 2.1 | -0.5 | 6790 | 220 | 3710.0 | 4110.0 | 30.3 | 71.1 | 0.5 |
| 1200S-380E | -25000 | 469 | 78 | 66 | 161 | 6 | -10 | 20 | -0.05 | -0.1 | 2.3 | 266 | 96.3 | 1674.0 | 3820 | 2110 | 1410 | 117 | 73.6 | 13 | -25 | 50.0 | 0.7 | 12 | 1.5 | -0.5 | 8150 | 181 | 3320.0 | 4480.0 | 34.7 | 82.0 | 0.3 |
| 1200S-420E | -25000 | 972 | 134 | 44 | 46 | 9 | -10 | 19 | 0.09 | -0.1 | 3.6 | 86.6 | 54.4 | 1521.0 | 5420 | 2900 | 372 | 42 | 41.2 | 5 | -25 | 37.8 | 0.4 | 15 | 1.7 | -0.5 | 2280 | 126 | 2060.0 | 1640.0 | 10.7 | 27.8 | 0.2 |
| BL1200S | -25000 | 883 | 121 | 64 | 56 | 10 | -10 | 17 | 0.07 | -0.1 | 2.1 | 269 | 79.0 | 1653.8 | 2800 | 1670 | 1980 | 79 | 67.0 | 12 | -25 | 46.6 | 0.7 | -10 | 4.8 | -0.5 | 6180 | 184 | 3170.0 | 4480.0 | 25.4 | 78.6 | 1.6 |
| 1200S-20W | -25000 | 780 | 80 | 117 | 75 | 11 | -10 | 19 | -0.05 | -0.1 | 1.9 | 303 | 106 | 2362.5 | 4570 | 2620 | 279 | 92 | 88.1 | 16 | -25 | 70.2 | 0.7 | 25 | 9.3 | -0.5 | 6240 | 160 | 4040.0 | 4830.0 | 36.8 | 85.7 | 0.7 |
| 1200S-60W | -25000 | 854 | 101 | 131 | 77 | 10 | -10 | 19 | 0.07 | -0.1 | 1.8 | 284 | 145 | 2317.5 | 3870 | 3050 | 374 | 101 | 78.4 | 15 | -25 | 60.3 | 0.7 | -10 | 11.8 | -0.5 | 7750 | 145 | 3860.0 | 5400.0 | 37.5 | 94.3 | 0.5 |
| 1200S-100W | -25000 | 925 | 206 | 108 | 55 | 18 | -10 | 17 | -0.05 | -0.1 | 2.2 | 366 | 78.7 | 2317.5 | 4330 | 1780 | 1280 | 139 | 89.7 | 15 | -25 | 88.1 | 0.8 | 30 | 11.7 | -0.5 | 8110 | 214 | 4290.0 | 5620.0 | 48.0 | 95.9 | 0.8 |
| 1200S-140W | -25000 | 914 | 131 | 111 | 101 | 16 | -10 | 25 | -0.05 | -0.1 | 1.5 | 290 | 133 | 2790.0 | 5780 | 3230 | 779 | 161 | 89.0 | 14 | -25 | 73.6 | 0.6 | -10 | 8.5 | -0.5 | 6280 | 148 | 4830.0 | 5030.0 | 35.5 | 89.4 | 0.7 |
| 1200S-180W | -25000 | 899 | 117 | 123 | 100 | 14 | -10 | 21 | -0.05 | -0.1 | 1.7 | 363 | 169 | 2385.0 | 4220 | 2510 | 262 | 114 | 90.9 | 13 | -25 | 43.4 | 0.7 | 10 | 7.4 | -0.5 | 8360 | 157 | 4420.0 | 6640.0 | 49.4 | 114.0 | 0.9 |
| 1200S-220W | -25000 | 757 | 96 | 111 | 102 | 14 | -10 | 21 | 0.07 | -0.1 | 2.9 | 282 | 107 | 2857.5 | 4420 | 2390 | 461 | 85 | 77.8 | 16 | -25 | 61.2 | 1.0 | 148 | 5.3 | -0.5 | 5730 | 118 | 3990.0 | 4470.0 | 32.1 | 78.4 | 0.5 |
| 1200S-260W | -25000 | 712 | 87 | 125 | 154 | 8 | -10 | 24 | -0.05 | -0.1 | 2.5 | 314 | 95.4 | 2745.0 | 4630 | 2760 | 502 | 107 | 85.8 | 13 | -25 | 43.0 | 0.7 | -10 | 6.1 | -0.5 | 7360 | 203 | 4120.0 | 4650.0 | 30.2 | 86.1 | 0.7 |
| 1200S-300W | -25000 | 552 | 90 | 99 | 120 | 7 | -10 | 22 | -0.05 | -0.1 | 2.0 | 299 | 79.6 | 2587.5 | 4470 | 1680 | 1000 | 107 | 75.8 | 12 | -25 | 39.1 | 0.6 | -10 | 5.5 | -0.5 | 6470 | 177 | 3600.0 | 4440.0 | 31.7 | 78.5 | 0.6 |
| 1200S-340W | -25000 | 816 | 95 | 153 | 93 | 17 | -10 | 23 | -0.05 | -0.1 | 2.7 | 285 | 124 | 2835.0 | 5760 | 4060 | 373 | 147 | 101.7 | 18 | -25 | 36.1 | 0.5 | -10 | 4.5 | -0.5 | 6670 | 221 | 5600.0 | 4650.0 | 36.4 | 92.3 | 1.1 |
| 1200S-380W | -25000 | 778 | 113 | 119 | 121 | 14 | -10 | 25 | -0.05 | -0.1 | 2.1 | 273 | 130 | 2947.5 | 5120 | 2960 | 392 | 115 | 90.0 | 15 | -25 | 42.2 | 0.5 | -10 | 4.1 | -0.5 | 7160 | 185 | 4990.0 | 4530.0 | 37.2 | 89.0 | 0.9 |
| 1200S-420W | -25000 | 665 | 94 | 93 | 73 | 17 | -10 | 21 | -0.05 | -0.1 | 2.4 | 300 | 165 | 2236.5 | 4660 | 3620 | 260 | 121 | 77.8 | 12 | -25 | 47.5 | 0.5 | -10 | 5.6 | -0.5 | 7320 | 151 | 4060.0 | 5450.0 | 35.6 | 97.9 | 0.6 |
| 1200S-460W | -25000 | 638 | 49 | 83 | 94 | 17 | -10 | 39 | -0.05 | -0.1 | 3.6 | 191 | 43.2 | 3105.0 | 6640 | 2070 | 78 | 58 | 69.1 | 10 | -25 | 31.1 | 0.2 | -10 | 3.2 | -0.5 | 3200 | 65 | 3880.0 | 1880.0 | 13.8 | 41.3 | 0.7 |
| 1200S-500W | -25000 | 1070 | 204 | 128 | 15 | 20 | -10 | 21 | -0.05 | -0.1 | 0.9 | 324 | 53.1 | 571.5 | 1560 | 1100 | -20 | 33 | 47.1 | 11 | -25 | 16.3 | -0.2 | -10 | 6.4 | -0.5 | 4300 | 148 | 3680.0 | 2070.0 | 21.3 | 22.0 | 0.4 |
| 1300S-20E | -25000 | 681 | 149 | 102 | 97 | 12 | -10 | 22 | -0.05 | -0.1 | 3.1 | 264 | 81.0 | 2295.0 | 4220 | 1590 | 439 | 65 | 65.4 | 11 | -25 | 30.4 | 0.6 | 50 | 4.8 | -0.5 | 7420 | 164 | 3510.0 | 3740.0 | 32.8 | 67.7 | 0.5 |
| 1300S-60E | -25000 | 1110 | 182 | 95 | 69 | 25 | -10 | 21 | -0.05 | -0.1 | 2.5 | 351 | 103 | 2632.5 | 5660 | 2680 | 1550 | 92 | 71.0 | 11 | -25 | 126.0 | 0.6 | -10 | 3.5 | -0.5 | 7970 | 206 | 3790.0 | 4980.0 | 39.3 | 82.8 | 0.6 |
| 1300S-100E | -25000 | 621 | 129 | 77 | 128 | 9 | -10 | 23 | -0.05 | -0.1 | 2.8 | 278 | 93.2 | 2295.0 | 5010 | 1660 | 2930 | 142 | 74.6 | 11 | -25 | 94.8 | 1.0 | -10 | 4.9 | -0.5 | 10100 | 286 | 3240.0 | 4250.0 | 40.1 | 81.6 | 0.5 |
| 1300S-140E | -25000 | 906 | 103 | 122 | 65 | 18 | -10 | 16 | 0.11 | -0.1 | 2.3 | 270 | 64.8 | 3037.5 | 8780 | 3810 | 313 | 78 | 81.3 | 14 | -25 | 51.9 | 0.8 | 88 | 3.4 | -0.5 | 5320 | 251 | 4310.0 | 3330.0 | 21.6 | 66.3 | 0.5 |
| 1300S-180E | -25000 | 861 | 162 | 105 | 35 | 10 | -10 | 20 | 0.08 | -0.1 | 1.0 | 320 | 64.6 | 2340.0 | 5940 | 2920 | 551 | 100 | 67.1 | 12 | -25 | 44.5 | 0.5 | 37 | 2.8 | -0.5 | 5050 | 213 | 3650.0 | 3400.0 | 25.7 | 60.7 | 0.4 |
| 1300S-220E | -25000 | 677 | 103 | 90 | 91 | 12 | -10 | 25 | 0.05 | -0.1 | 2.2 | 293 | 71.5 | 2083.5 | 4690 | 2040 | 1290 | 97 | 70.5 | 9 | -25 | 40.1 | 0.5 | -10 | 3.4 | -0.5 | 6960 | 172 | 3520.0 | 4240.0 | 35.7 | 80.1 | 0.7 |
| 1300S-260E | -25000 | 771 | 65 | 107 | 57 | 12 | -10 | 20 | 0.07 | -0.1 | 2.0 | 267 | 123 | 2902.5 | 6560 | 2590 | 293 | 128 | 71.5 | 13 | -25 | 32.9 | 0.3 | -10 | 2.4 | -0.5 | 4950 | 102 | 3830.0 | 3900.0 | 26.2 | 73.2 | 0.7 |
| 1300S-300E | -25000 | 933 | 82 | 90 | 52 | 19 | -10 | 20 | -0.05 | -0.1 | 2.6 | 300 | 77.0 | 2700.0 | 6970 | 4150 | 216 | 108 | 66.1 | 14 | -25 | 35.1 | 0.3 | -10 | 3.6 | -0.5 | 6390 | 197 | 3700.0 | 4790.0 | 32.8 | 84.0 | 0.7 |
| 1300S-340E | -25000 | 1060 | 117 | 81 | 170 | 17 | -10 | 14 | 0.20 | -0.1 | 1.9 | 270 | 61.4 | 2090.3 | 5710 | 11200 | 435 | 86 | 58.3 | 9 | -25 | 27.5 | 0.4 | -10 | 3.5 | -0.5 | 3900 | 214 | 2950.0 | 3010.0 | 24.8 | 56.9 | 0.4 |
| 1300S-380E | -25000 | 613 | 70 | 66 | 97 | 9 | -10 | 18 | -0.05 | -0.1 | 1.9 | 288 | 76.9 | 2272.5 | 4960 | 2280 | 616 | 79 | 66.5 | 10 | -25 | 36.3 | 0.6 | -10 | 2.8 | -0.5 | 7050 | 224 | 3200.0 | 3430.0 | 23.7 | 68.2 | 0.5 |
| 1300S-420E | -25000 | 935 | 98 | 126 | 141 | 12 | -10 | 20 | 0.10 | -0.1 | 1.9 | 293 | 106 | 2880.0 | 5810 | 2420 | 534 | 102 | 82.0 | 17 | -25 | 46.0 | 0.8 | -10 | 1.8 | -0.5 | 5950 | 170 | 4540.0 | 4210.0 | 23.5 | 86.2 | 0.8 |
| 1300S-460E | -25000 | 633 | 52 | 108 | 51 | 11 | -10 | 18 | -0.05 | -0.1 | 1.9 | 251 | 109 | 2083.5 | 4390 | 3080 | 175 | 95 | 65.2 | 12 | -25 | 23.9 | 0.3 | -10 | 2.4 | -0.5 | 5380 | 132 | 3330.0 | 3700.0 | 28.9 | 75.4 | 0.3 |
| BL1300S | -25000 | 797 | 129 | 75 | 57 | 11 | -10 | 16 | -0.05 | -0.1 | 2.4 | 251 | 88.0 | 1610.0 | 2920 | 1740 | 1850 | 86 | 66.0 | 13 | -25 | 44.7 | 0.7 | -10 | 3.8 | -0.5 | 6300 | 200 | 3170.0 | 4550.0 | 25.5 | 90.4 | 1.5 |
| 1300S-20W | -25000 | 798 | 86 | 99 | 52 | 15 | -10 | 21 | -0.05 | -0.1 | 1.5 | 306 | 132 | 2340.0 | 4460 | 3490 | 354 | 93 | 81.3 | 13 | -25 | 45.0 | 0.3 | -10 | 3.6 | -0.5 | 5950 | 204 | 4030.0 | 4020.0 | 32.3 | 80.2 | 0.6 |
| 1300S-60W | -25000 | 668 | 154 | 102 | 69 | 12 | -10 | 20 | -0.05 | -0.1 | 1.6 | 447 | 137 | 2031.8 | 3930 | 1560 | 1490 | 172 | 85.8 | 16 | -25 | 65.0 | 0.7 | -10 | 4.2 | -0.5 | 10500 | 197 | 3670.0 | 5860.0 | 53.0 | 110.0 | 0.6 |
| 1300S-100W | -25000 | 717 | 80 | 108 | 67 | 16 | -10 | 22 | -0.05 | -0.1 | 1.9 | 332 | 126 | 2632.5 | 5120 | 2780 | 430 | 135 | 86.1 | 15 | -25 | 55.6 | 0.5 | -10 | 3.7 | -0.5 | 7130 | 201 | 4260.0 | 4750.0 | 31.9 | 94.3 | 0.6 |
| 1300S-140W | -25000 | 949 | 112 | 104 | 56 | 19 | -10 | 27 | 0.06 | -0.1 | 1.8 | 348 | 62.6 | 2272.5 | 4790 | 2610 | 606 | 97 | 72.3 | 15 | -25 | 56.8 | 0.4 | -10 | 4.0 | -0.5 | 5000 | 237 | 3980.0 | 2920.0 | 22.8 | 57.3 | 0.6 |
| 1300S-180W | -25000 | 717 | 101 | 78 | 70 | 11 | -10 | 22 | -0.05 | -0.1 | 3.1 | 309 | 166 | 2632.5 | 3540 | 2680 | 398 | 105 | 80.8 | 14 | -25 | 48.7 | 0.4 | -10 | 2.6 | -0.5 | 8070 | 127 | 3950.0 | 6020.0 | 41.8 | 117.0 | 0.6 |
| 1300S-220W | -25000 | 642 | 65 | 89 | 82 | 11 | -10 | 19 | -0.06 | -0.1 | 1.9 | 315 | 137 | 2497.5 | 4660 | 2310 | 232 | 114 | 85.3 | 13 | -25 | 33.8 | 0.4 | -10 | 2.7 | -0.5 | 5900 | 133 | 4060.0 | 4650.0 | 36.0 | 91.4 | 0.7 |
| 1300S-260W | -25000 | 607 | 47 | 90 | 49 | 13 | -10 | 20 | -0.05 | -0.1 | 2.1 | 311 | 129 | 2133.0 | 3250 | 2610 | 274 | 98 | 86.6 | 16 | -25 | 37.4 | 0.5 | -10 | 2.2 | -0.5 | 7860 | 167 | 4180.0 | 4910.0 | 35.6 | 103.0 | 0.7 |
| 1300S-300W | -25000 | 646 | 74 | 92 | 47 | 16 | -10 | 21 | -0.05 | -0.1 | 2.3 | 263 | 123 | 2497.5 | 4170 | 2650 | 145 | 111 | 73.9 | 12 | -25 | 26.2 | 0.4 | 18 | 2.1 | -0.5 | 5820 | 120 | 3870.0 | 3790.0 | 29.0 | 72.8 | 0.6 |
| 1300S-340W | -25000 | 617 | 87 | 105 | 86 | 10 | -10 | 23 | -0.05 | -0.1 | 1.9 | 326 | 149 | 2362.5 | 3750 | 2520 | 312 | 127 | 79.5 | 11 | -25 | 33.1 | 0.4 | -10 | 1.8 | -0.5 | 6930 | 143 | 3840.0 | 4850.0 | 39.1 | 98.8 | 0.8 |
| 1300S-380W | -25000 | 810 | 116 | 95 | 57 | 19 | -10 | 23 | -0.05 | -0.1 | 3.0 | 296 | 78.8 | 2317.5 | 4510 | 3670 | 392 | 82 | 79.5 | 13 | -25 | 26.9 | 0.6 | -10 | 3.5 | -0.5 | 6530 | 224 | 4220.0 | 3610.0 | 26.9 | 76.9 | 0.8 |
| 1300S-420W | -25000 | 614 | 69 | 87 | 124 | 20 | -10 | 32 | -0.05 | -0.1 | 1.9 | 327 | 121 | 2103.8 | 3520 | 1440 | 51 | 72 | 55.0 | 14 | -25 | 18.4 | 0.2 | 18 | 1.7 | -0.5 | 4920 | 138 | 3250.0 | 3030.0 | 24.7 | 58.0 | 0.4 |

Table 1: Analytical data, as received from Actlabs
14th February 2002

| PGE Package: | Oxidation Suite: | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID: | S.Q. Cl | V | As | Se | Mo | Sb | Te | W | Re | Au | S.Q. Hg | Th | U |
| 700S-300W | -25000 | 720 | 66 | 59 | 18 | 14 | -10 | 19 | -0.05 | -0.1 | 2.0 | 197 | 45.5 |
| 700S-340W | -25000 | 760 | 67 | 57 | 164 | 8 | -10 | 26 | -0.05 | -0.1 | 1.7 | 221 | 76.7 |
| 700S-380W | -25000 | 581 | 59 | 90 | 64 | 11 | -10 | 20 | -0.05 | -0.1 | 2.6 | 227 | 75.8 |
| 700S-420W | -25000 | 861 | 86 | 104 | 36 | 12 | -10 | 19 | -0.05 | -0.1 | 2.7 | 230 | 59.2 |
| 700S-460W | -25000 | 796 | 103 | 90 | 37 | 22 | -10 | 21 | -0.05 | -0.1 | 4.9 | 182 | 87.1 |
| 700S-500W | -25000 | 515 | 95 | 92 | 101 | 7 | -10 | 26 | -0.05 | -0.1 | 1.8 | 239 | 128 |
| 800S-202 | -25000 | 629 | 55 | 57 | 33 | 7 | -10 | 18 | -0.05 | -0.1 | 1.5 | 236 | 123 |
| 800S-60E | -25000 | 585 | 63 | 63 | 38 | 10 | -10 | 20 | -0.05 | -0.1 | 1.2 | 242 | 116 |
| 800S-100E | -25000 | 828 | 79 | 107 | 68 | 13 | -10 | 26 | -0.05 | -0.1 | 1.6 | 279 | 141 |
| 800S-140E | -25000 | 669 | 105 | 92 | 51 | 11 | -10 | 20 | -0.05 | -0.1 | 2.2 | 243 | 70.6 |
| 800S-180E | -25000 | 1488 | 164 | 102 | 18 | 22 | -10 | 16 | -0.05 | 0.2 | 5.1 | 179 | 29.5 |
| 800S-220E | -25000 | 600 | 73 | 56 | 91 | 10 | -10 | 26 | -0.05 | -0.1 | 1.8 | 198 | 64.3 |
| 800S-300E | -25000 | 1261 | 80 | 81 | 68 | 17 | -10 | 22 | -0.05 | -0.1 | 2.7 | 210 | 44.3 |
| 800S-340E | -25000 | 462 | 38 | 77 | 72 | 6 | -10 | 15 | -0.05 | -0.1 | 0.8 | 179 | 129 |
| 800S-380E | -25000 | 827 | 84 | 104 | 16 | 6 | -10 | 13 | -0.05 | -0.1 | 2.4 | 225 | 100 |
| 800S-420E | -25000 | 745 | 91 | 66 | 24 | 7 | -10 | 13 | -0.05 | -0.1 | 2.0 | 251 | 60.3 |
| 800S-460E | -25000 | 561 | 139 | 83 | 25 | 11 | -10 | 16 | -0.05 | -0.1 | 2.6 | 180 | 61.0 |
| 800S-500E | -25000 | 481 | 169 | 90 | 28 | 7 | -10 | -10 | -0.05 | -0.1 | 2.2 | 216 | 50.4 |
| BL800S | -25000 | 872 | 125 | 83 | 55 | 10 | -10 | 19 | -0.05 | -0.1 | 2.8 | 245 | 86.4 |
| 800S-20W | -25000 | 998 | 67 | 141 | 71 | 12 | -10 | 18 | -0.05 | -0.1 | 2.4 | 248 | 137 |
| 800S-60W | -25000 | 542 | 39 | 60 | 78 | 6 | -10 | 20 | -0.05 | -0.1 | 2.3 | 257 | 83.0 |
| 800S-100W | -25000 | 604 | 113 | 84 | 44 | 10 | -10 | 22 | -0.05 | -0.1 | 2.1 | 261 | 69.7 |
| 800S-140W | -25000 | 357 | 40 | 72 | 85 | 3 | -10 | 14 | -0.05 | -0.1 | 1.2 | 225 | 56.9 |
| 800S-180W | -25000 | 637 | 42 | 83 | 104 | 6 | -10 | 15 | 0.05 | -0.1 | 1.8 | 473 | 68.8 |
| 800S-220W | -25000 | 1264 | 113 | 84 | 122 | 12 | -10 | 18 | -0.05 | -0.1 | 1.6 | 594 | 108 |
| 800S-260W | -25000 | 976 | 90 | 79 | 101 | 9 | -10 | 23 | -0.05 | -0.1 | 2.0 | 437 | 105 |
| 800S-300W | -25000 | 790 | 226 | 81 | 159 | 7 | -10 | 24 | -0.05 | -0.1 | 1.7 | 471 | 60.1 |
| 800S-340W | -25000 | 1416 | 230 | 79 | 68 | 21 | -10 | 20 | -0.05 | -0.1 | 2.6 | 567 | 91.4 |
| 800S-380W | -25000 | 1016 | 130 | 82 | 105 | 15 | -10 | 22 | 0.11 | -0.1 | 2.2 | 486 | 164 |
| 800S-420W | -25000 | 816 | 106 | 88 | 76 | 14 | -10 | 19 | 0.07 | -0.1 | 1.9 | 455 | 103 |
| 800S-460W | -25000 | 1056 | 84 | 87 | 206 | 45 | -10 | 27 | -0.05 | -0.1 | 2.5 | 353 | 68.8 |
| 800S-500W | -25000 | 904 | 71 | 97 | 151 | 15 | -10 | 23 | 0.08 | -0.1 | 2.3 | 458 | 144 |
| 900S-20E | -25000 | 1632 | 286 | 73 | 45 | 37 | -10 | 24 | 0.09 | 0.4 | 4.3 | 293 | 33.5 |
| 900S-60E | -25000 | 808 | 133 | 80 | 198 | 12 | -10 | 22 | 0.10 | -0.1 | 2.6 | 423 | 162 |
| 900S-100E | -25000 | 824 | 280 | 75 | 80 | 6 | -10 | 15 | 0.12 | -0.1 | 2.2 | 425 | 74.3 |
| 900S-140E | -25000 | 832 | 110 | 75 | 165 | 10 | -10 | 16 | -0.05 | -0.1 | 2.3 | 416 | 152 |
| 900S-180E | -25000 | 647 | 140 | 77 | 87 | 6 | -10 | 17 | 0.10 | -0.1 | 2.1 | 351 | 193 |
| 900S-220E | -25000 | 856 | 107 | 75 | 67 | 13 | -10 | 18 | -0.05 | -0.1 | 1.9 | 320 | 79.4 |
| 900S-260E | -25000 | 603 | 170 | 56 | 95 | 6 | -10 | 13 | -0.05 | -0.1 | 2.2 | 145 | 53.3 |
| 900S-300E | -25000 | 782 | 216 | 63 | 246 | 12 | -10 | 17 | 0.33 | -0.1 | 3.1 | 273 | 85.1 |
| 900S-340E | -25000 | 734 | 272 | 47 | 163 | 7 | -10 | -10 | 0.71 | -0.1 | 12.4 | 188 | 50.4 |
| 900S-380E | -25000 | 952 | 190 | 65 | 81 | 10 | -10 | 14 | 0.29 | -0.1 | 1.5 | 338 | 155 |
| 900S-420E | -25000 | 1656 | 512 | 87 | 20 | 10 | -10 | 20 | 0.25 | -0.1 | 1.4 | 407 | 32.9 |
| 900S-460E | -25000 | 936 | 212 | 75 | 20 | 9 | -10 | 14 | 0.14 | -0.1 | 2.0 | 294 | 50.0 |
| 900S-500E | -25000 | 1112 | 560 | 67 | 15 | 13 | -10 | 17 | 0.09 | 0.2 | 5.1 | 207 | 32.4 |
| BL900S | -25000 | 896 | 141 | 84 | 61 | 9 | -10 | 16 | 0.21 | -0.1 | 2.5 | 227 | 90.0 |
| 900S-20W | -25000 | 2768 | 580 | 115 | 1154 | 22 | -10 | 27 | 0.46 | -0.1 | 1.8 | 558 | 2410 |
| 900S-60W | -25000 | 1816 | 584 | 93 | 474 | 32 | -10 | 39 | 0.18 | -0.1 | 3.1 | 422 | 170 |
| 900S-100W | -25000 | 471 | 47 | 89 | 27 | 10 | -10 | 23 | 0.07 | -0.1 | 3.9 | 363 | 17.6 |
| 900S-140W | -25000 | 624 | 72 | 101 | 69 | 16 | -10 | 19 | -0.05 | -0.1 | 2.5 | 266 | 95.8 |
| 900S-180W | -25000 | 624 | 278 | 88 | 84 | 11 | -10 | 19 | -0.05 | -0.1 | 2.3 | 318 | 99.4 |
| 900S-220W | -25000 | 680 | 143 | 91 | 99 | 14 | -10 | 18 | -0.05 | -0.1 | 2.1 | 320 | 113 |
| 900S-260W | -25000 | 580 | 89 | 86 | 80 | 15 | -10 | 17 | -0.05 | -0.1 | 3.1 | 267 | 114 |
| 900S-300W | -25000 | 647 | 114 | 90 | 125 | 11 | -10 | 23 | 0.05 | -0.1 | 3.8 | 318 | 75.2 |
| 900S-340W | -25000 | 715 | 95 | 107 | 72 | 17 | -10 | 22 | -0.05 | -0.1 | 2.6 | 267 | 111 |
| 900S-380W | -25000 | 574 | 84 | 87 | 51 | 16 | -10 | 20 | 0.05 | -0.1 | 2.1 | 275 | 82.4 |
| 900S-420W | -25000 | 665 | 152 | 83 | 130 | 14 | -10 | 21 | -0.05 | -0.1 | 2.7 | 327 | 60.1 |
| 900S-460W | -25000 | 865 | 193 | 77 | 21 | 30 | -10 | 22 | -0.05 | -0.1 | 2.8 | 290 | 22.9 |
| 900S-500W | -25000 | 667 | 149 | 85 | 118 | 10 | -10 | 21 | -0.05 | -0.1 | 2.1 | 339 | 101 |
| 1000S-20E | -25000 | 848 | 109 | 93 | 53 | 16 | -10 | 17 | 0.09 | -0.1 | 2.7 | 265 | 62.3 |
| 1000S-60E | -25000 | 1240 | 92 | 70 | 67 | 12 | -10 | 20 | 0.07 | -0.1 | 2.3 | 288 | 65.2 |
| 1000S-100E | -25000 | 713 | 75 | 80 | 66 | 10 | -10 | 19 | 0.06 | -0.1 | 2.5 | 294 | 156 |
| 1000S-140E | -25000 | 555 | 68 | 80 | 114 | 10 | -10 | 17 | -0.05 | -0.1 | 2.5 | 302 | 115 |
| 1000S-180E | -25000 | 796 | 93 | 73 | 29 | 10 | -10 | 15 | 0.07 | -0.1 | 1.8 | 279 | 97.0 |
| 1000S-220E | -25000 | 901 | 106 | 93 | 65 | 13 | -10 | 20 | 0.10 | -0.1 | 2.5 | 315 | 83.7 |
| 1000S-260E | -25000 | 738 | 84 | 100 | 54 | 18 | -10 | 17 | 0.05 | -0.1 | 2.2 | 230 | 66.6 |
| 1000S-300E | -25000 | 603 | 97 | 76 | 39 | 12 | -10 | 16 | 0.05 | -0.1 | 2.1 | 255 | 90.7 |
| 1000S-340E | -25000 | 546 | 155 | 51 | 147 | 9 | -10 | -10 | 0.80 | -0.1 | 13.4 | 109 | 34.9 |
| 1000S-420E | -25000 | 560 | 95 | 106 | 58 | 13 | -10 | 20 | 0.07 | -0.1 | 2.0 | 221 | 102 |
| 1000S-460E | -25000 | 644 | 142 | 80 | 33 | 18 | -10 | 13 | -0.05 | 0.1 | 3.6 | 179 | 52.9 |
| 1000S-500E | -25000 | 601 | 264 | 51 | -1 | 8 | -10 | -10 | -0.05 | -0.1 | 3.8 | 75.0 | 14.7 |
| BL1000S | -25000 | 625 | 128 | 77 | 44 | 10 | -10 | 15 | 0.06 | -0.1 | 1.9 | 231 | 80.3 |
| 1000S-20W | -25000 | 508 | 92 | 98 | 38 | 11 | -10 | 16 | -0.05 | -0.1 | 2.3 | 228 | 72.7 |
| 1000S-60W | -25000 | 559 | 101 | 82 | 92 | 8 | -10 | 13 | 0.10 | -0.1 | 2.6 | 233 | 73.4 |
| 1000S-100W | -25000 | 524 | 101 | 91 | 68 | 10 | -10 | 16 | 0.09 | -0.1 | 2.4 | 260 | 85.0 |
| 1000S-140W | -25000 | 498 | 59 | 104 | 88 | 11 | -10 | 16 | 0.05 | -0.1 | 2.5 | 258 | 107 |
| 1000S-180W | -25000 | 679 | 100 | 93 | 43 | 17 | -10 | 15 | -0.05 | -0.1 | 2.7 | 216 | 65.5 |
| 1000S-220W | -25000 | 553 | 111 | 104 | 117 | 13 | -10 | 24 | -0.05 | -0.1 | 3.6 | 273 | 110 |
| 1000S-260W | -25000 | 516 | 81 | 92 | 94 | 10 | -10 | 20 | -0.05 | -0.1 | 2.3 | 266 | 114 |
| 1000S-300W | -25000 | 636 | 159 | 78 | 90 | 11 | -10 | 31 | -0.05 | -0.1 | 2.3 | 315 | 38.9 |

| PGE Package: | Base Meta | | | | | Base Metal - Chalcophile Associat | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID: | Co | Ni | Cu | Zn | Pb | Ga | Ge | Ag | Cd | In | Sn | Tl | Bi |
| 700S-300W | 1626.8 | 3170 | 4090 | 152 | 58 | 55.2 | 9 | -25 | 18.4 | 0.3 | -10 | 3.6 | -0.5 |
| 700S-340W | 1806.8 | 3270 | 1070 | 1350 | 63 | 58.6 | 9 | -25 | 32.6 | 0.6 | -10 | 4.7 | -0.5 |
| 700S-380W | 1813.5 | 4040 | 1570 | 541 | 61 | 65.2 | 11 | -25 | 31.0 | 0.3 | -10 | 3.0 | -0.5 |
| 700S-420W | 1552.5 | 2680 | 2370 | 190 | 60 | 60.7 | 8 | -25 | 28.9 | 0.3 | -10 | 5.0 | -0.5 |
| 700S-460W | 2002.5 | 3220 | 2600 | 261 | 52 | 62.7 | 7 | -25 | 19.6 | 0.4 | -10 | 4.1 | -0.5 |
| 700S-500W | 1480.5 | 2120 | 1090 | 289 | 79 | 60.1 | 7 | -25 | 31.8 | 0.6 | -10 | 4.2 | -0.5 |
| 800S-202 | 1635.8 | 3690 | 1920 | 177 | 133 | 67.2 | 11 | -25 | 31.4 | 0.3 | -10 | 6.5 | -0.5 |
| 800S-60E | 2184.8 | 4270 | 3010 | 144 | 90 | 73.1 | 12 | -25 | 23.6 | 0.3 | 64 | 3.9 | -0.5 |
| 800S-100E | 2825.0 | 5430 | 2220 | 270 | 117 | 79.6 | 11 | -25 | 31.3 | 0.3 | -10 | 3.4 | -0.5 |
| 800S-140E | 1773.0 | 4390 | 2790 | 546 | 84 | 60.1 | 11 | -25 | 43.8 | 0.2 | -10 | 3.2 | -0.5 |
| 800S-180E | 1338.8 | 4040 | 6090 | 305 | 78 | 53.6 | 4 | -25 | 25.1 | 0.4 | -10 | 16.8 | -0.5 |
| 800S-220E | 2157.8 | 4380 | 1690 | 279 | 55 | 54.6 | 8 | -25 | 27.3 | 0.2 | -10 | 2.5 | -0.5 |
| 800S-300E | 1838.3 | 4210 | 5820 | 170 | 82 | 58.0 | 9 | -25 | 28.2 | 0.4 | -10 | 6.2 | -0.5 |
| 800S-340E | 1219.5 | 2350 | 2140 | 247 | 78 | 62.0 | 9 | -25 | 25.5 | 0.2 | -10 | 6.0 | -0.5 |
| 800S-380E | 1714.5 | 3570 | 2430 | 240 | 102 | 70.2 | 10 | -25 | 21.8 | 0.3 | -10 | 7.5 | -0.5 |
| 800S-420E | 1521.0 | 2320 | 2490 | 774 | 62 | 78.2 | 11 | -25 | 26.6 | 0.6 | -10 | 9.2 | -0.5 |
| 800S-460E | 1901.3 | 1450 | 2800 | 2320 | 37 | 81.7 | 9 | -25 | 29.9 | 0.6 | -10 | 4.0 | -0.5 |
| 800S-500E | 1298.3 | 1990 | 1100 | 3360 | 101 | 66.2 | 8 | -25 | 33.8 | 1.0 | -10 | 7.1 | -0.5 |
| BL800S | 1345.5 | 2630 | 2180 | 2030 | 63 | 61.6 | 8 | -25 | 35.0 | 0.5 | -10 | 3.3 | -0.5 |
| 800S-20W | 2542.5 | 6250 | 3520 | 363 | 114 | 69.6 | 11 | -25 | 25.0 | 0.4 | -10 | 5.2 | -0.5 |
| 800S-60W | 1856.3 | 5780 | 1310 | 307 | 106 | 58.2 | 3 | -25 | 29.4 | 0.2 | -10 | 3.1 | -0.5 |
| 800S-100W | 1928.3 | 4890 | 2190 | 554 | 109 | 56.8 | 10 | -25 | 26.9 | 0.3 | -10 | 6.1 | -0.5 |
| 800S-140W | 906.8 | 2230 | 724 | 1080 | 86 | 54.6 | 8 | -25 | 25.1 | 0.3 | -10 | 5.3 | -0.5 |
| 800S-180W | 1901.3 | 4210 | 1480 | 332 | 92 | 64.2 | 13 | -25 | 30.0 | 0.5 | -10 | 19.8 | -0.5 |
| 800S-220W | 2362.5 | 4790 | 2710 | 394 | 94 | 72.6 | 14 | -25 | 24.7 | 0.6 | -10 | 18.5 | -0.5 |
| 800S-260W | 2520.0 | 4060 | 2010 | 317 | 66 | 70.9 | 14 | -25 | 24.7 | 0.5 | -10 | 17.6 | -0.5 |
| 800S-300W | 2011.5 | 3400 | 1940 | 632 | 70 | 65.2 | 11 | -25 | 27.2 | 0.7 | 22 | 22.4 | -0.5 |
| 800S-340W | 2385.0 | 4070 | 3510 | 307 | 80 | 66.5 | 14 | -25 | 31.3 | 0.7 | 15 | 12.4 | -0.5 |
| 800S-380W | 1908.0 | 2570 | 1740 | 301 | 50 | 67.1 | 15 | -25 | 26.0 | 0.5 | 14 | 11.9 | -0.5 |
| 800S-420W | 2040.8 | 2720 | 2540 | 483 | 58 | 74.4 | 16 | -25 | 28.5 | 0.4 | -10 | 9.3 | -0.5 |
| 800S-460W | 1797.8 | 3190 | 3160 | 249 | 36 | 75.2 | 20 | -25 | 22.4 | 0.4 | -10 | 7.2 | -0.5 |
| 800S-500W | 2677.5 | 3500 | 2460 | 223 | 53 | 82.7 | 20 | -25 | 26.6 | 0.5 | -10 | 6.1 | -0.5 |
| 900S-20E | 1590.8 | 2950 | 4200 | 116 | 74 | 42.1 | 12 | -25 | 45.2 | 0.3 | -10 | 4.9 | -0.5 |
| 900S-60E | 3690.0 | 4800 | 2470 | 754 | 119 | 82.3 | 19 | -25 | 71.5 | 0.4 | -10 | 8.1 | -0.5 |
| 900S-100E | 1530.0 | 2290 | 2210 | 1720 | 72 | 60.8 | 14 | -25 | 46.2 | 0.4 | -10 | 11.0 | -0.5 |
| 900S-140E | 3262.5 | 6100 | 3650 | 339 | 61 | 65.0 | 14 | -25 | 27.1 | 0.5 | 13 | 8.3 | -0.5 |
| 900S-180E | 2295.0 | 3440 | 1800 | 694 | 63 | 66.2 | 14 | -25 | 28.9 | 0.6 | -10 | 8.4 | -0.5 |
| 900S-220E | 3397.5 | 7960 | 3280 | 632 | 48 | 67.6 | 14 | -25 | 31.5 | 0.4 | -10 | 7.2 | -0.5 |
| 900S-260E | 2036.3 | 2860 | 1690 | 546 | 52 | 37.0 | 7 | -25 | 30.7 | 0.3 | -10 | 7.1 | -0.5 |
| 900S-300E | 2058.8 | 3040 | 1210 | 1560 | 77 | 52.7 | 12 | -25 | 43.7 | 0.4 | -10 | 4.7 | -0.5 |
| 900S-340E | 1257.8 | 1230 | 44700 | 261 | 44 | 19.1 | 4 | -25 | 62.9 | 1.0 | 13 | 13.7 | -0.5 |
| 900S-380E | 1215.0 | 2450 | 1510 | 985 | 40 | 58.8 | 13 | -25 | 25.8 | 0.5 | -10 | 9.5 | -0.5 |
| 900S-420E | 1980.0 | 945 | 2260 | 988 | 34 | 69.6 | 19 | -25 | 23.5 | 0.6 | -10 | 9.5 | -0.5 |
| 900S-460E | 2148.8 | 779 | 1850 | 1620 | 33 | 57.3 | 13 | -25 | 18.5 | 0.7 | 14 | 9.1 | -0.5 |
| 900S-500E | 693.0 | 1300 | 1990 | 125 | 30 | 29.8 | 9 | -25 | 34.7 | 0.3 | -10 | 12.4 | -0.5 |
| BL900S | 1543.5 | 2710 | 1800 | 1790 | 73 | 66.3 | 15 | -25 | 35.3 | 0.5 | -10 | 4.9 | -0.5 |
| 900S-20W | 1233.0 | 4300 | 2040 | 649 | 54 | 63.5 | 19 | -25 | 58.6 | 0.7 | -10 | 5.4 | 0.5 |
| 900S-60W | 2407.5 | 3880 | 3050 | 625 | 79 | 61.8 | 19 | -25 | 29.0 | 0.3 | -10 | 2.2 | -0.5 |
| 900S-100W | 1300.5 | 3350 | 3420 | 113 | 106 | 76.4 | 19 | -25 | 30.8 | -0.2 | -10 | 1.1 | -0.5 |
| 900S-140W | 1527.8 | 2610 | 2350 | 270 | 57 | 84.9 | 21 | -25 | 24.2 | 0.6 | -10 | 3.2 | -0.5 |
| 900S-180W | 1581.8 | 3850 | 2150 | 1300 | 106 | 67.3 | 19 | -25 | 44.1 | 0.5 | -10 | 4.1 | -0.5 |
| 900S-220W | 1723.5 | 3660 | 1980 | 799 | 91 | 79.1 | 19 | -25 | 31.0 | 0.7 | -10 | 4.5 | -0.5 |
| 900S-260W | 1336.5 | 2460 | 1930 | 960 | 63 | 73.7 | 18 | -25 | 49.4 | 0.5 | -10 | 3.7 | -0.5 |
| 900S-300W | 1881.0 | 3610 | 2440 | 871 | 95 | 83.9 | 19 | -25 | 49.6 | 0.6 | -10 | 4.4 | -0.5 |
| 900S-340W | 1615.5 | 4160 | 2440 | 391 | 91 | 105.3 | 23 | -25 | 42.5 | 0.5 | -10 | 5.3 | -0.5 |
| 900S-380W | 2038.5 | 4650 | 2920 | 318 | 57 | 66.5 | 20 | -25 | 27.0 | 0.5 | -10 | 3.4 | -0.5 |
| 900S-420W | 1309.5 | 2930 | 1620 | 3850 | 67 | 70.7 | 17 | -25 | 38.1 | 0.5 | 12 | 3.7 | -0.5 |
| 900S-460W | 1028.3 | 2410 | 2600 | 237 | 52 | 65.8 | 14 | -25 | 25.6 | 0.2 | -10 | 4.2 | -0.5 |
| 900S-500W | 1311.8 | 3390 | 1460 | 623 | 77 | 78.8 | 15 | -25 | 34.5 | 0.7 | -10 | 3.6 | -0.5 |
| 1000S-20E | 2106.0 | 6740 | 4310 | 352 | 81 | 84.4 | 18 | -25 | 41.9 | 0.6 | -10 | 4.8 | -0.5 |
| 1000S-60E | 2542.5 | 8790 | 4940 | 537 | 169 | 90.0 | 18 | -25 | 42.9 | 0.7 | -10 | 7.4 | -0.5 |
| 1000S-100E | 2166.8 | 4030 | 2650 | 270 | 104 | 82.6 | 15 | -25 | 33.7 | 0.5 | -10 | 3.8 | -0.5 |
| 1000S-140E | 2092.5 | 5500 | 2970 | 356 | 110 | 86.0 | 20 | -25 | 24.2 | 0.5 | -10 | 3.4 | -0.5 |
| 1000S-180E | 1723.5 | 4830 | 3710 | 284 | 76 | 73.4 | 16 | -25 | 21.3 | 0.3 | -10 | 5.2 | -0.5 |
| 1000S-220E | 2124.0 | 5270 | 3090 | 255 | 77 | 77.6 | 16 | -25 | 34.7 | 0.5 | 18 | 3.2 | -0.5 |
| 1000S-260E | 2103.8 | 6750 | 4040 | 339 | 51 | 77.3 | 19 | -25 | 22.5 | 0.4 | -10 | 2.8 | -0.5 |
| 1000S-300E | 1561.5 | 5150 | 2910 | 641 | 92 | 83.8 | 19 | -25 | 27.5 | 0.4 | -10 | 4.6 | -0.5 |
| 1000S-340E | 688.5 | 1060 | 37900 | 273 | 45 | 18.3 | 4 | -25 | 61.5 | 1.2 | 56 | 7.7 | -0.5 |
| 1000S-420E | 1563.8 | 3820 | 4450 | 739 | 76 | 77.0 | 16 | -25 | 25.7 | 0.4 | -10 | 5.1 | -0.5 |
| 1000S-460E | 1903.5 | 5800 | 5980 | 415 | 55 | 61.1 | 13 | -25 | 31.9 | 0.3 | 17 | 7.3 | -0.5 |
| 1000S-500E | 263.3 | 901 | 1960 | 45 | 21 | 23.9 | 7 | -25 | 29.1 | 0.3 | -10 | 18.5 | -0.5 |
| BL1000S | 1134.0 | 2680 | 1610 | 1940 | 80 | 65.2 | 12 | -25 | 29.5 | 0.5 | -10 | 5.8 | -0.5 |
| 1000S-20W | 1480.5 | 4480 | 2910 | 1280 | 61 | 72.4 | 14 | -25 | 80.8 | 0.5 | 37 | 9.4 | -0.5 |
| 1000S-60W | 580.5 | 1790 | 1670 | 2160 | 57 | 88.1 | 13 | -25 | 66.0 | 0.8 | -10 | 6.5 | -0.5 |
| 1000S-100W | 1521.0 | 3280 | 1820 | 398 | 74 | 65.2 | 17 | -25 | 35.1 | 0.6 | -10 | 4.9 | -0.5 |
| 1000S-140W | 1980.0 | 3520 | 2330 | 143 | 68 | 81.5 | 19 | -25 | 54.8 | 0.4 | -10 | 4.0 | -0.5 |
| 1000S-180W | 1561.5 | 3870 | 3880 | 356 | 59 | 83.6 | 16 | -25 | 57.1 | 0.5 | -10 | 5.8 | -0.5 |
| 1000S-220W | 2155.5 | 4950 | 2300 | 1400 | 85 | 98.1 | 19 | -25 | 65.1 | 0.6 | 11 | 16.7 | -0.5 |
| 1000S-260W | 2020.5 | 3380 | 2640 | 326 | 65 | 82.5 | 17 | -25 | 51.4 | 0.6 | 15 | 13.0 | -0.5 |
| 1000S-300W | 2148.8 | 4630 | 2730 | 886 | 79 | 81.1 | 13 | -25 | 53.1 | 0.4 | -10 | 13.7 | -0.5 |

| PGE Package: | High-Field Strength Elements: | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID: | S.Q. Ti | S.Q. Cr | Y | Zr | Nb | Hf | Ta |
| 700S-300W | 3524 | 233 | 3150.0 | 2330.0 | 14.7 | 60.8 | 0.5 |
| 700S-340W | 4884 | 176 | 3050.0 | 2460.0 | 18.0 | 66.1 | 0.6 |
| 700S-380W | 4771 | 203 | 3400.0 | 2580.0 | 17.7 | 63.8 | 0.8 |
| 700S-420W | 6893 | 191 | 3100.0 | 3980.0 | 29.7 | 89.6 | 0.6 |
| 700S-460W | 5054 | 154 | 3500.0 | 2980.0 | 21.6 | 71.9 | 0.7 |
| 700S-500W | 9234 | 201 | 3140.0 | 4660.0 | 37.8 | 120.0 | 0.8 |
| 800S-202 | 5873 | 244 | 3300.0 | 4250.0 | 28.9 | 101.0 | 0.9 |
| 800S-60E | 6245 | 265 | 3120.0 | 4040.0 | 26.0 | 89.3 | 0.7 |
| 800S-100E | 8181 | 270 | 3420.0 | 4620.0 | 33.9 | 108.0 | 0.9 |
| 800S-140E | 7525 | 196 | 2810.0 | 4940.0 | 33.8 | 109.0 | 0.6 |
| 800S-180E | 5832 | 439 | 1930.0 | 2140.0 | 14.8 | 41.3 | 0.5 |
| 800S-220E | 3483 | 166 | 2470.0 | 2880.0 | 19.1 | 60.3 | 0.4 |
| 800S-300E | 4722 | 268 | 2820.0 | 3380.0 | 22.9 | 69.5 | 0.4 |
| 800S-340E | 5978 | 197 | 3080.0 | 3950.0 | 26.1 | 89.7 | 0.7 |
| 800S-380E | 4795 | 210 | 3340.0 | 3680.0 | 22.0 | 84.9 | 0.9 |
| 800S-420E | 5937 | 261 | 3410.0 | 3660.0 | 24.1 | 84.8 | 0.7 |
| 800S-460E | 4487 | 134 | 3400.0 | 2980.0 | 21.4 | 73.1 | 0.7 |
| 800S-500E | 7250 | 220 | 2290.0 | 2510.0 | 26.7 | 73.6 | 0.7 |
| BL800S | 6500 | 223 | 2990.0 | 3980.0 | 26.3 | 86.6 | 1.8 |
| 800S-20W | 6683 | 331 | 3710.0 | 4260.0 | 31.3 | 98.9 | 0.9 |
| 800S-60W | 5216 | 265 | 2910.0 | 3640.0 | 23.0 | 79.8 | 0.6 |
| 800S-100W | 5362 | 229 | 2850.0 | 3470.0 | 23.5 | 82.0 | 0.8 |
| 800S-140W | 4990 | 170 | 2500.0 | 2910.0 | 16.9 | 72.1 | 0.6 |
| 800S-180W | 5500 | 204 | 4960.0 | 3339.0 | 22.6 | 65.4 | 1.7 |
| 800S-220W | 7530 | 266 | 5200.0 | 4995.0 | 38.2 | 86.1 | 1.9 |
| 800S-260W | 6850 | 219 | 5230.0 | 3663.0 | 30.6 | 69.0 | 1.8 |
| 800S-300W | 6980 | 226 | 4330.0 | 3402.0 | 27.2 | 65.8 | 1.5 |
| 800S-340W | 7600 | 231 | 5350.0 | 4554.0 | 38.3 | 79.0 | 1.9 |
| 800S-380W | 9040 | 142 | 4950.0 | 4662.0 | 38.2 | 83.5 | 1.8 |
| 800S-420W | 6600 | 139 | 5710.0 | 4131.0 | 31.6 | 78.1 | 2.2 |
| 800S-460W | 3160 | 100 | 6620.0 | 1701.0 | 15.0 | 41.8 | 2.1 |
| 800S-500W | 7080 | 160 | 5830.0 | 4176.0 | 28.3 | 79.9 | 2.0 |
| 900S-20E | 2700 | 130 | 2410.0 | 1890.0 | 11.7 | 26.7 | 0.9 |
| 900S-60E | 7250 | 174 | 4990.0 | 4149.0 | 36.7 | 80.8 | 1.5 |
| 900S-100E | 6250 | 175 | 3410.0 | 3474.0 | 35.1 | 62.6 | 1.3 |
| 900S-140E | 6060 | 193 | 3170.0 | 3996.0 | 32.5 | 73.0 | 1.1 |
| 900S-180E | 9500 | 155 | 3110.0 | 4752.0 | 40.6 | 91.7 | 1.2 |
| 900S-220E | 3400 | 187 | 3440.0 | 1863.0 | 15.2 | 42.8 | 1.2 |
| 900S-260E | 2460 | 82 | 1590.0 | 1485.0 | 13.3 | 26.8 | 0.4 |
| 900S-300E | 3690 | 91 | 2420.0 | 2025.0 | 16.3 | 39.6 | 0.9 |
| 900S-340E | 688 | 119 | 1040.0 | 382.5 | 1.5 | 9.6 | 0.2 |
| 900S-380E | 5600 | 146 | 2860.0 | 3465.0 | 30.8 | 68.6 | 1.2 |
| 900S-420E | 3850 | 72 | 5620.0 | 1602.0 | 11.4 | 33.9 | 1.8 |
| 900S-460E | 3450 | -40 | 5450.0 | 1782.0 | 15.5 | 37.8 | 1.6 |
| 900S-500E | 2830 | 161 | 1650.0 | 580.5 | 5.7 | 10.5 | 0.5 |
| BL900S | 6190 | 159 | 3140.0 | 4077.0 | 32.1 | 71.8 | 1.4 |
| 900S-20W | 5550 | 255 | 3440.0 | 5274.0 | 29.6 | 84.0 | 1.4 |
| 900S-60W | 4670 | 234 | 3200.0 | 2718.0 | 26.0 | 41.2 | 1.4 |
| 900S-100W | 4940 | 141 | 3220.0 | 4239.0 | 34.0 | 55.4 | 0.6 |
| 900S-140W | 4860 | 110 | 3920.0 | 3528.0 | 27.1 | 67.8 | 0.9 |
| 900S-180W | 6830 | 201 | 3310.0 | 3969.0 | 35.2 | 69.3 | 0.9 |
| 900S-220W | 7200 | 213 | 3800.0 | 4311.0 | 37.2 | 78.9 | 0.9 |
| 900S-260W | 6440 | 108 | 3640.0 | 4165.0 | 32.8 | 75.3 | 0.7 |
| 900S-300W | 6550 | 203 | 3580.0 | 3528.0 | 33.5 | 66.5 | 0.7 |
| 900S-340W | 5150 | 174 | 6630.0 | 3672.0 | 29.2 | 76.0 | 1.3 |
| 900S-380W | 4100 | 147 | 4190.0 | 3420.0 | 23.4 | 68.4 | 1.1 |
| 900S-420W | 5030 | 134 | 3770.0 | 3465.0 | 31.3 | 60.1 | 0.8 |
| 900S-460W | 4150 | 171 | 3370.0 | 2025.0 | 15.7 | 28.1 | 0.6 |
| 900S-500W | 7920 | 192 | 3640.0 | 4680.0 | 39.6 | 79.5 | 0.8 |
| 1000S-20E | 5000 | 237 | 3850.0 | 3843.0 | 29.2 | 70.9 | 0.9 |
| 1000S-60E | 5370 | 382 | 3540.0 | 2772.0 | 27.7 | 52.7 | 0.6 |
| 1000S-100E | 8870 | 197 | 3300.0 | 5778.0 | 47.1 | 99.3 | 0.6 |
| 1000S-140E | 4940 | 202 | 3740.0 | 3951.0 | 28.2 | 72.4 | 0.7 |
| 1000S-180E | 5400 | 189 | 3580.0 | 4005.0 | 35.6 | 71.5 | 0.6 |
| 1000S-220E | 7080 | 174 | 3540.0 | 5463.0 | 45.7 | 95.9 | 0.9 |
| 1000S-260E | 3370 | 212 | 3970.0 | 2052.0 | 14.7 | 42.7 | 0.9 |
| 1000S-300E | 4630 | 186 | 4060.0 | 4167.0 | 33.5 | 71.6 | 0.7 |
| 1000S-340E | 677 | 122 | 1110.0 | 439.2 | 1.8 | 8.3 | -0.1 |
| 1000S-420E | 4600 | 104 | 3630.0 | 3816.0 | 32.8 | 66.8 | 0.5 |
| 1000S-460E | 2630 | 173 | 2840.0 | 2052.0 | 12.8 | 39.0 | 0.2 |
| 1000S-500E | 1800 | 143 | 1300.0 | 353.7 | 2.9 | 5.4 | -0.1 |
| BL1000S | 5150 | 141 | 3150.0 | 3798.0 | 27.7 | 82.2 | 1.5 |
| 1000S-20W | 6430 | 195 | 3550.0 | 5020.0 | 25.0 | 77.8 | 0.6 |
| 1000S-60W | 9170 | 160 | 2700.0 | 4510.0 | 40.2 | 79.4 | 0.4 |
| 1000S-100W | 6160 | 148 | 3770.0 | 5050.0 | 35.5 | 79.4 | 0.6 |
| 1000S-140W | 4560 | 131 | 3820.0 | 4520.0 | 28.7 | 74.4 | 0.6 |
| 1000S-180W | 3550 | 148 | 3950.0 | 3700.0 | 22.5 | 62.1 | 0.7 |
| 1000S-220W | 5090 | 145 | 4810.0 | 4310.0 | 29.3 | 67.9 | 0.7 |
| 1000S-260W | 5010 | 102 | 4250.0 | 5290.0 | 33.9 | 81.2 | 0.6 |
| 1000S-300W | 4190 | 143 | 3620.0 | 4540.0 | 31.8 | 64.1 | 0.6 |

| PGE Package: | Oxidation Suite: | | | | | | | | | | | | | Base Meta | | | | | Base Metal - Chalcophile Associat. | | | | | | | | High-Field Strength Elements: | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID: | S.Q. Cl | V | As | Se | Mo | Sb | Te | W | Re | Au | S.Q. Hg | Th | U | Co | Ni | Cu | Zn | Pb | Ga | Ge | Ag | Cd | In | Sn | Tl | Bi | S.Q. Ti | S.Q. Cr | Y | Zr | Nb | Hf | Ta |
| 400S-60W | -25000 | 1140 | 90 | 136 | 99 | 18 | -10 | 17 | 0.09 | 0.1 | 2.2 | 340 | 103 | 1950.0 | 4740 | 2920 | 485 | 62 | 57.8 | 10 | -25 | 47.6 | 0.5 | -10 | 1.7 | -0.5 | 5570 | 223 | 3890.0 | 4130.0 | 28.4 | 110.0 | 1.9 |
| 400S-100W | -25000 | 828 | 106 | 110 | 78 | 13 | -10 | 16 | 0.10 | -0.1 | 1.8 | 327 | 72.5 | 1530.0 | 2910 | 2760 | 807 | 85 | 62.8 | 9 | -25 | 37.1 | 0.8 | -10 | 2.6 | -0.5 | 5560 | 318 | 3650.0 | 3910.0 | 26.6 | 103.0 | 1.8 |
| 400S-140W | -25000 | 883 | 107 | 120 | 73 | 17 | -10 | 19 | 0.07 | -0.1 | 1.8 | 357 | 58.9 | 1780.0 | 4530 | 2710 | 898 | 60 | 65.7 | 10 | -25 | 51.1 | 0.6 | -10 | 2.4 | -0.5 | 4480 | 265 | 3660.0 | 3270.0 | 24.2 | 82.7 | 1.8 |
| 400S-180W | -25000 | 741 | 82 | 133 | 99 | 13 | -10 | 23 | -0.05 | -0.1 | 1.7 | 319 | 149 | 2280.0 | 4500 | 3360 | 501 | 83 | 76.6 | 16 | -25 | 38.2 | 0.5 | -10 | 2.6 | -0.5 | 4360 | 198 | 5330.0 | 4040.0 | 27.0 | 115.0 | 2.9 |
| 400S-220W | -25000 | 946 | 103 | 100 | 103 | 12 | -10 | 24 | 0.09 | 0.2 | 2.0 | 317 | 78.0 | 2540.0 | 5400 | 3550 | 365 | 104 | 63.9 | 11 | -25 | 31.9 | 0.5 | -10 | 3.9 | -0.5 | 3630 | 288 | 3890.0 | 2600.0 | 19.2 | 76.3 | 2.2 |
| 400S-260W | -25000 | 533 | 58 | 117 | 89 | 10 | -10 | 18 | -0.05 | -0.1 | 1.3 | 319 | 106 | 1640.0 | 3280 | 2770 | 725 | 93 | 62.7 | 11 | -25 | 35.7 | 0.4 | -10 | 5.2 | -0.5 | 4070 | 236 | 3980.0 | 3390.0 | 24.7 | 98.2 | 2.2 |
| 400S-300W | -25000 | 834 | 102 | 111 | 77 | 10 | -10 | 22 | 0.05 | -0.1 | 2.0 | 372 | 116 | 1960.0 | 3320 | 2340 | 475 | 135 | 72.2 | 13 | -25 | 32.1 | 0.6 | -10 | 5.3 | -0.5 | 5570 | 277 | 4380.0 | 3750.0 | 29.9 | 107.0 | 2.9 |
| 400S-340W | -25000 | 906 | 76 | 115 | 88 | 16 | -10 | 24 | -0.05 | 0.2 | 1.6 | 343 | 131 | 2560.0 | 3910 | 3700 | 771 | 97 | 67.7 | 13 | -25 | 43.7 | 0.6 | -10 | 4.5 | -0.5 | 4500 | 161 | 4580.0 | 3620.0 | 23.7 | 101.0 | 2.3 |
| 400S-380W | -25000 | 757 | 110 | 102 | 120 | 12 | -10 | 20 | 0.06 | 0.1 | 1.8 | 331 | 107 | 1800.0 | 2840 | 1470 | 498 | 112 | 58.9 | 9 | -25 | 31.6 | 0.5 | 17 | 4.1 | -0.5 | 5560 | 224 | 3790.0 | 3280.0 | 26.2 | 94.6 | 2.2 |
| 400S-420W | -25000 | 583 | 91 | 59 | 95 | 7 | -10 | 22 | -0.05 | -0.1 | 1.8 | 391 | 106 | 2030.0 | 3430 | 1990 | 1070 | 104 | 71.3 | 11 | -25 | 29.2 | 0.6 | -10 | 3.8 | -0.5 | 4690 | 204 | 3610.0 | 3970.0 | 28.2 | 115.0 | 2.1 |
| 400S-460W | -25000 | 631 | 165 | 72 | 118 | 8 | -10 | 26 | -0.05 | 0.1 | 1.9 | 361 | 117 | 2000.0 | 3260 | 1280 | 1310 | 121 | 63.5 | 11 | -25 | 32.3 | 0.4 | 390 | 3.5 | -0.5 | 5150 | 169 | 3830.0 | 3680.0 | 32.4 | 108.0 | 2.1 |
| 400S-500W | -25000 | 1360 | 230 | 80 | 43 | 18 | -10 | 19 | -0.05 | 0.4 | 4.6 | 161 | 46.7 | 1390.0 | 2750 | 3500 | 421 | 77 | 39.3 | 6 | -25 | 51.3 | 0.9 | -10 | 3.3 | -0.5 | 2430 | 217 | 2390.0 | 1520.0 | 12.9 | 35.9 | 1.3 |
| 500S-20E | -25000 | 2270 | 206 | 121 | 45 | 39 | -10 | 23 | 0.14 | 0.3 | 2.5 | 322 | 60.4 | 2090.0 | 5360 | 7380 | 408 | 90 | 67.9 | 11 | -25 | 48.2 | 0.6 | -10 | 14.5 | 0.5 | 5050 | 629 | 3650.0 | 3820.0 | 31.6 | 92.7 | 2.3 |
| 500S-60E | -25000 | 849 | 120 | 91 | 24 | 12 | -10 | 18 | -0.05 | 0.1 | 1.8 | 327 | 110 | 1930.0 | 3650 | 5510 | 1170 | 101 | 80.6 | 15 | -25 | 38.4 | 0.6 | -10 | 10.0 | -0.5 | 4960 | 259 | 4940.0 | 4560.0 | 37.3 | 112.0 | 2.6 |
| 500S-100E | -25000 | 697 | 53 | 133 | 47 | 15 | -10 | 20 | 0.15 | 0.1 | 1.7 | 285 | 123 | 2140.0 | 3630 | 3340 | 304 | 83 | 66.0 | 12 | -25 | 37.9 | 0.4 | -10 | 3.9 | -0.5 | 4060 | 224 | 3840.0 | 3320.0 | 22.7 | 82.2 | 1.8 |
| 500S-220E | -25000 | 665 | 75 | 122 | 74 | 13 | -10 | 22 | -0.05 | 0.1 | 1.3 | 244 | 86.8 | 1880.0 | 3640 | 3290 | 559 | 66 | 67.6 | 12 | -25 | 32.9 | 0.5 | -10 | 3.4 | -0.5 | 3430 | 172 | 4230.0 | 2490.0 | 17.7 | 67.0 | 2.1 |
| 500S-260E | -25000 | 1020 | 71 | 105 | 64 | 22 | -10 | 19 | 0.16 | 0.3 | 1.3 | 265 | 38.1 | 2230.0 | 5360 | 5370 | 246 | 80 | 65.4 | 10 | -25 | 31.8 | 0.4 | -10 | 4.4 | -0.5 | 2380 | 369 | 3960.0 | 2110.0 | 13.3 | 57.2 | 2.0 |
| 500S-300E | -25000 | 482 | 76 | 96 | 111 | 10 | -10 | 16 | -0.05 | -0.1 | 1.0 | 266 | 85.7 | 1190.0 | 2400 | 1670 | 1360 | 46 | 60.4 | 10 | -25 | 37.7 | 0.5 | 15 | 4.2 | -0.5 | 3510 | 174 | 3450.0 | 2530.0 | 15.6 | 70.2 | 1.7 |
| 500S-340E | -25000 | 744 | 53 | 112 | 55 | 12 | -10 | 17 | -0.05 | 2.3 | 1.4 | 254 | 124 | 1790.0 | 4050 | 2920 | 496 | 63 | 77.6 | 18 | -25 | 29.8 | 0.3 | -10 | 5.1 | -0.5 | 2590 | 160 | 4830.0 | 2400.0 | 15.1 | 70.3 | 2.1 |
| 500S-380E | -25000 | 1150 | 102 | 119 | 73 | 13 | -10 | 17 | -0.05 | -0.1 | 1.6 | 310 | 131 | 2010.0 | 3820 | 2490 | 872 | 82 | 72.6 | 13 | -25 | 38.0 | 0.5 | 14 | 10.3 | -0.5 | 4530 | 331 | 4340.0 | 3590.0 | 22.7 | 94.9 | 2.3 |
| 500S-420E | -25000 | 783 | 65 | 103 | 85 | 13 | -10 | 18 | -0.05 | -0.1 | 1.6 | 273 | 68.3 | 1780.0 | 3870 | 1870 | 1670 | 61 | 61.6 | 11 | -25 | 44.7 | 0.6 | -10 | 3.9 | -0.5 | 3440 | 204 | 3520.0 | 2270.0 | 15.9 | 64.9 | 2.1 |
| 500S-460E | -25000 | 812 | 63 | 94 | 79 | 12 | -10 | 16 | -0.05 | -0.1 | 1.0 | 304 | 159 | 1990.0 | 3640 | 2390 | 548 | 99 | 71.0 | 11 | -25 | 39.9 | 0.3 | -10 | 5.0 | -0.5 | 3550 | 191 | 4080.0 | 3630.0 | 24.9 | 94.3 | 1.9 |
| 500S-500E | -25000 | 814 | 86 | 101 | 106 | 11 | -10 | 26 | 0.12 | -0.1 | 1.2 | 369 | 153 | 2210.0 | 3760 | 1690 | 1530 | 127 | 87.2 | 15 | -25 | 39.7 | 0.5 | 22 | 3.6 | -0.5 | 5310 | 261 | 4660.0 | 4280.0 | 32.1 | 113.0 | 2.7 |
| BL500S | -25000 | 800 | 122 | 80 | 55 | 11 | -10 | 19 | 0.06 | -0.1 | 2.1 | 215 | 78.0 | 1590.0 | 2660 | 1900 | 1700 | 85 | 66.4 | 9 | -25 | 43.2 | 0.7 | -10 | 3.7 | -0.5 | 6460 | 256 | 3940.0 | 4310.0 | 30.2 | 87.2 | 2.3 |
| 500S-20W | -25000 | 1090 | 129 | 77 | 108 | 14 | -10 | 20 | -0.05 | 0.1 | 2.0 | 292 | 121 | 1950.0 | 3930 | 3370 | 941 | 101 | 68.6 | 14 | -25 | 38.4 | 0.6 | -10 | 5.9 | -0.5 | 6190 | 356 | 3920.0 | 4110.0 | 32.5 | 116.0 | 2.0 |
| 500S-60W | -25000 | 868 | 93 | 89 | 83 | 9 | -10 | 19 | -0.05 | -0.1 | 1.2 | 312 | 83.2 | 2280.0 | 4250 | 2560 | 614 | 121 | 71.9 | 12 | -25 | 26.5 | 0.4 | -10 | 3.5 | -0.5 | 4470 | 373 | 3810.0 | 3070.0 | 26.0 | 88.1 | 2.4 |
| 500S-100W | -25000 | 947 | 78 | 91 | 70 | 9 | -10 | 23 | -0.05 | -0.1 | 1.0 | 365 | 93.4 | 2350.0 | 4700 | 2730 | 543 | 120 | 62.4 | 8 | -25 | 28.0 | 0.3 | 11 | 3.5 | -0.5 | 4380 | 217 | 3590.0 | 3930.0 | 29.2 | 103.0 | 2.1 |
| 500S-140W | -25000 | 976 | 97 | 125 | 96 | 14 | -10 | 24 | -0.05 | -0.1 | 1.7 | 336 | 161 | 2580.0 | 5450 | 3760 | 288 | 135 | 82.0 | 14 | -25 | 44.5 | 0.4 | -10 | 3.0 | -0.5 | 5560 | 287 | 4920.0 | 4800.0 | 34.4 | 137.0 | 3.0 |
| 500S-180W | -25000 | 1080 | 69 | 128 | 73 | 13 | -10 | 19 | -0.05 | -0.1 | 1.6 | 329 | 99.0 | 2270.0 | 5630 | 3080 | 289 | 126 | 80.2 | 16 | -25 | 29.2 | 0.6 | -10 | 6.8 | -0.5 | 3650 | 358 | 5330.0 | 3040.0 | 20.3 | 90.1 | 2.6 |
| 500S-220W | -25000 | 1120 | 91 | 83 | 47 | 17 | -10 | 16 | -0.05 | 0.1 | 1.3 | 335 | 84.2 | 2030.0 | 4410 | 4790 | 371 | 103 | 66.3 | 9 | -25 | 36.8 | 0.4 | -10 | 5.1 | -0.5 | 3920 | 306 | 3670.0 | 3480.0 | 21.5 | 94.1 | 1.9 |
| 500S-260W | -25000 | 645 | 57 | 106 | 61 | 6 | -10 | 16 | -0.05 | -0.1 | 1.4 | 330 | 69.3 | 1650.0 | 2910 | 2220 | 666 | 101 | 63.0 | 13 | -25 | 38.6 | 0.5 | -10 | 3.2 | -0.5 | 3860 | 238 | 3810.0 | 2880.0 | 19.8 | 82.1 | 1.6 |
| 500S-300W | -25000 | 700 | 68 | 94 | 83 | 8 | -10 | 19 | -0.05 | -0.1 | 1.7 | 379 | 95.0 | 1700.0 | 2890 | 2210 | 723 | 172 | 76.6 | 13 | -25 | 40.3 | 0.4 | -10 | 4.1 | -0.5 | 5050 | 348 | 3950.0 | 3420.0 | 24.6 | 93.6 | 2.3 |
| 500S-340W | -25000 | 822 | 73 | 100 | 117 | 10 | -10 | 25 | -0.05 | -0.1 | 2.0 | 361 | 92.7 | 2450.0 | 4770 | 2130 | 315 | 121 | 73.3 | 12 | -25 | 30.9 | 0.5 | -10 | 6.2 | -0.5 | 4330 | 340 | 4270.0 | 2940.0 | 21.4 | 81.0 | 2.1 |
| 500S-380W | -25000 | 801 | 129 | 77 | 103 | 10 | -10 | 24 | 0.17 | -0.1 | 1.6 | 319 | 77.8 | 1770.0 | 3360 | 2480 | 291 | 90 | 57.1 | 10 | -25 | 28.2 | 0.4 | -10 | 4.0 | -0.5 | 4890 | 214 | 3220.0 | 2780.0 | 25.0 | 74.7 | 1.9 |
| 500S-420W | -25000 | 1179 | 96 | 129 | 24 | 24 | -10 | 12 | -0.05 | -0.1 | 1.2 | 338 | 281 | 639.0 | 2010 | 3930 | 91 | 30 | 65.0 | 15 | -25 | 21.1 | 0.2 | -10 | 24.1 | -0.5 | 3490 | 180 | 4810.0 | 3760.0 | 19.3 | 84.0 | 2.2 |
| 500S-460W | 30700 | 782 | 105 | 103 | 154 | 14 | -10 | 19 | 0.12 | -0.1 | 1.9 | 321 | 90.9 | 1610.0 | 2970 | 2240 | 247 | 79 | 70.3 | 12 | -25 | 39.4 | 0.5 | -10 | 3.5 | -0.5 | 5780 | 320 | 3930.0 | 3610.0 | 27.4 | 101.0 | 1.9 |
| 600S-20E | -25000 | 683 | 66 | 107 | 82 | 9 | -10 | 14 | -0.05 | -0.1 | 1.1 | 349 | 136 | 2080.0 | 3450 | 2530 | 621 | 142 | 75.5 | 9 | -25 | 29.9 | 0.7 | -10 | 6.4 | -0.5 | 6110 | 379 | 3690.0 | 4220.0 | 32.0 | 123.0 | 2.0 |
| 600S-60E | -25000 | 792 | 98 | 74 | 99 | 9 | -10 | 19 | -0.05 | -0.1 | 1.7 | 371 | 116 | 1590.0 | 2940 | 1720 | 1490 | 74 | 59.9 | 13 | -25 | 44.7 | 0.4 | -10 | 3.6 | -0.5 | 6370 | 280 | 3510.0 | 4630.0 | 32.7 | 127.0 | 2.0 |
| 600S-100E | -25000 | 1098 | 71 | 92 | 78 | 14 | -10 | 22 | -0.05 | -0.1 | 1.3 | 370 | 93.0 | 2340.0 | 6310 | 4740 | 386 | 142 | 66.1 | 13 | -25 | 29.6 | 0.2 | -10 | 4.2 | 0.5 | 3700 | 420 | 4050.0 | 3200.0 | 24.9 | 83.9 | 2.1 |
| 600S-140E | -25000 | 748 | 66 | 87 | 79 | 12 | -10 | 21 | 0.11 | -0.1 | 1.7 | 314 | 108 | 2440.0 | 4370 | 3180 | 495 | 131 | 74.9 | 15 | -25 | 30.3 | 0.5 | -10 | 2.4 | -0.5 | 5310 | 371 | 3880.0 | 3300.0 | 24.8 | 99.4 | 2.0 |
| 600S-180E | -25000 | 1332 | 115 | 92 | 49 | 18 | -10 | 21 | 0.13 | 0.1 | 2.0 | 306 | 54.3 | 2000.0 | 4670 | 5720 | 668 | 90 | 61.3 | 11 | -25 | 50.0 | 0.5 | -10 | 2.4 | -0.5 | 3080 | 343 | 3790.0 | 2140.0 | 15.5 | 56.7 | 2.1 |
| 600S-260E | -25000 | 638 | 61 | 92 | 89 | 13 | -10 | 24 | -0.05 | 0.2 | 1.7 | 276 | 141 | 2490.0 | 4410 | 4200 | 352 | 81 | 76.5 | 13 | -25 | 38.1 | 0.2 | -10 | 3.8 | -0.5 | 4090 | 158 | 4280.0 | 3400.0 | 21.5 | 93.9 | 2.1 |
| 600S-300E | -25000 | 1242 | 89 | 100 | 77 | 26 | -10 | 15 | -0.05 | 0.2 | 2.8 | 307 | 55.7 | 2300.0 | 4180 | 5670 | 245 | 105 | 67.8 | 12 | -25 | 40.9 | 0.5 | -10 | 4.0 | -0.5 | 2740 | 323 | 4170.0 | 2310.0 | 15.3 | 62.9 | 2.0 |
| 600S-340E | -25000 | 1215 | 87 | 111 | 36 | 14 | -10 | 16 | -0.05 | -0.1 | 1.3 | 283 | 142 | 1630.0 | 3120 | 4080 | 342 | 99 | 66.4 | 12 | -25 | 29.3 | 0.4 | -10 | 7.9 | -0.5 | 4050 | 321 | 4120.0 | 2570.0 | 21.3 | 77.9 | 1.8 |
| 600S-380E | -25000 | 1107 | 69 | 83 | 72 | 17 | -10 | 20 | 0.10 | 0.7 | 2.2 | 262 | 92.2 | 2180.0 | 5100 | 3010 | 707 | 99 | 64.5 | 15 | -25 | 38.4 | 0.3 | -10 | 2.0 | -0.5 | 3270 | 247 | 4460.0 | 1940.0 | 15.1 | 62.9 | 2.1 |
| 600S-420E | -25000 | 814 | 75 | 87 | 62 | 19 | -10 | 17 | -0.05 | 0.2 | 1.1 | 332 | 77.9 | 1900.0 | 4150 | 4120 | 688 | 69 | 65.2 | 13 | -25 | 33.3 | 0.5 | 11 | 4.7 | -0.5 | 3700 | 332 | 4170.0 | 2840.0 | 15.5 | 76.9 | 1.7 |
| 600S-460E | -25000 | 700 | 69 | 93 | 53 | 14 | -10 | 18 | 0.07 | 0.2 | 2.1 | 260 | 183 | 1710.0 | 3190 | 2880 | 1240 | 74 | 70.1 | 11 | -25 | 31.7 | 0.5 | 16 | 3.7 | -0.5 | 4930 | 230 | 4360.0 | 3580.0 | 25.2 | 104.0 | 2.2 |
| 600S-500E | -25000 | 606 | 62 | 79 | 63 | 14 | -10 | 17 | -0.05 | -0.1 | 1.4 | 294 | 140 | 1930.0 | 3700 | 2270 | 620 | 87 | 77.2 | 15 | -25 | 28.6 | 0.4 | -10 | 2.7 | -0.5 | 3890 | 239 | 4170.0 | 2960.0 | 21.4 | 80.2 | 2.0 |
| BL600S | -25000 | 757 | 115 | 74 | 64 | 8 | -10 | 17 | 0.08 | -0.1 | 2.2 | 193 | 91.0 | 1550.0 | 2850 | 1620 | 2050 | 60 | 60.1 | 11 | -25 | 46.6 | 0.6 | -10 | 3.9 | -0.5 | 5470 | 203 | 3660.0 | 3810.0 | 24.9 | 88.0 | 2.3 |
| 600S-20W | -25000 | 972 | 109 | 86 | 30 | 18 | -10 | 18 | -0.05 | 0.4 | 2.8 | 293 | 28.6 | 1870.0 | 4570 | 5990 | 343 | 68 | 54.4 | 6 | -25 | 47.7 | 0.7 | -10 | 11.9 | -0.5 | 3310 | 494 | 3460.0 | 1880.0 | 12.7 | 49.8 | 1.7 |
| 600S-60W | -25000 | 676 | 67 | 98 | 63 | 9 | -10 | 17 | 0.17 | -0.1 | 1.6 | 338 | 95.4 | 1920.0 | 4140 | 2710 | 247 | 92 | 69.4 | 12 | -25 | 33.0 | 0.5 | 21 | 6.6 | -0.5 | 4300 | 308 | 3990.0 | 3160.0 | 20.5 | 86.3 | 1.8 |
| 600S-100W | -25000 | 881 | 63 | 88 | 61 | 10 | -10 | 20 | -0.05 | 0.3 | 1.4 | 423 | 185 | 2580.0 | 4350 | 3040 | 470 | 141 | 74.7 | 9 | -25 | 33.3 | 0.5 | -10 | 5.4 | -0.5 | 6190 | 340 | 4410.0 | 5140.0 | 34.1 | 136.0 | 2.2 |
| 600S-140W | -25000 | 714 | 72 | 68 | 79 | 8 | -10 | 17 | -0.05 | -0.1 | 2.0 | 288 | 39.4 | 2340.0 | 5120 | 2580 | 1310 | 71 | 61.6 | 9 | -25 | 34.1 | 0.4 | -10 | 3.3 | -0.5 | 3460 | 270 | 3500.0 | 1880.0 | 13.5 | 64.2 | 1.8 |
| 600S-180W | -25000 | 802 | 78 | 68 | 41 | 11 | -10 | 16 | 0.11 | -0.1 | 1.3 | 331 | 107 | 1700.0 | 3170 | 3340 | 446 | 91 | 61.3 | 15 | -25 | 36.2 | 0.5 | -10 | 5.8 | -0.5 | 3250 | 225 | 3860.0 | 2680.0 | 17.0 | 79.0 | 1.9 |
| 600S-220W | -25000 | 768 | 97 | 75 | 77 | 13 | -10 | 17 | -0.05 | -0.1 | 1.3 | 354 | 154 | 1670.0 | 2640 | 3170 | 304 | 107 | 72.4 | 10 | -25 | 28.9 | 0.4 | -10 | 6.4 | -0.5 | 5050 | 260 | 4140.0 | 3750.0 | 27.4 | 108.0 | 2.4 |
| 600S-260W | -25000 | 862 | 65 | 72 | 66 | 10 | -10 | 15 | -0.05 | -0.1 | 1.6 | 346 | 100 | 2010.0 | 3290 | 3340 | 284 | 119 | 64.3 | 9 | -25 | 32.6 | 0.3 | -10 | 7.1 | -0.5 | 3800 | 240 | 4010.0 | 3020.0 | 20.7 | 82.5 | 2.0 |
| 600S-300W | -25000 | 569 | 52 | 103 | 70 | 6 | -10 | 18 | -0.05 | -0.1 | 1.3 | 346 | 99.0 | 1670.0 | 2490 | 1900 | 611 | 88 | 65.1 | 11 | -25 | 33.8 | 0.5 | 18 | 4.0 | -0.5 | 3740 | 196 | 4040.0 | 3090.0 | 19.7 | 87.9 | 1.7 |
| 600S-340W | -25000 | 526 | 46 | 77 | 30 | 7 | -10 | 18 | -0.05 | -0.1 | 1.9 | 216 | 80.6 | 1800.0 | 4330 | 2410 | 156 | 88 | 65.3 | 9 | -25 | 23.8 | 0.4 | -10 | 7.1 | -0.5 | 3888 | 225 | 3280.0 | 2610.0 | 15.8 | 69.8 | 0.9 |
| 600S-380W | -25000 | 441 | 56 | 71 | 100 | 13 | -10 | 25 | -0.05 | -0.1 | 3.5 | 171 | 71.8 | 2121.8 | 4280 | 1920 | 322 | 102 | 62.0 | 10 | -25 | 41.5 | 0.4 | -10 | 2.1 | -0.5 | 4253 | 154 | 3040.0 | 2870.0 | 16.1 | 78.7 | 0.8 |
| 600S-420W | -25000 | 1317 | 106 | 83 | 23 | 39 | -10 | 14 | -0.05 | -0.1 | 2.0 | 201 | 160 | 564.8 | 1860 | 3190 | 195 | 30 | 50.5 | 8 | -25 | 29.9 | 0.2 | -10 | 5.1 | -0.5 | 3329 | 145 | 3020.0 | 3050.0 | 16.4 | 51.6 | 0.7 |
| 600S-460W | -25000 | 555 | 83 | 63 | 78 | 8 | -10 | 19 | -0.05 | -0.1 | 2.5 | 213 | 102 | 1197.0 | 2530 | 953 | 365 | 49 | 56.9 | 10 | -25 | 34.1 | 0.3 | -10 | 4.0 | -0.5 | 7128 | 160 | 2780.0 | 3250.0 | 22.3 | 73.4 | 0.7 |
| 700S-20E | -25000 | 637 | 57 | 81 | 86 | 8 | -10 | 23 | -0.05 | -0.1 | 1.8 | 303 | 121 | 2632.5 | 5410 | 2010 | 407 | 142 | 71.6 | 9 | -25 | 44.8 | 0.4 | -10 | 3.3 | -0.5 | 6107 | 234 | 3290.0 | 4500.0 | 28.7 | 111.0 | 1.0 |
| 700S-60E | -25000 | 595 | 109 | 83 | 134 | 8 | -10 | 23 | -0.05 | -0.1 | 2.5 | 306 | 65.3 | 2272.5 | 5630 | 1570 | 627 | 108 | 62.1 | 10 | -25 | 41.1 | 0.3 | -10 | 3.1 | -0.5 | 6067 | 212 | 2630.0 | 4160.0 | 28.2 | 91.3 | 0.7 |
| 700S-100E | -25000 | 642 | 80 | 107 | 33 | 10 | -10 | 18 | -0.05 | -0.1 | 1.7 | 261 | 126 | 1701.0 | 4440 | 2960 | 378 | 102 | 73.8 | 10 | -25 | 35.5 | 0.4 | -10 | 5.6 | -0.5 | 9396 | 302 | 3170.0 | 5450.0 | 35.9 | 148.0 | 0.9 |
| 700S-140E | -25000 | 654 | 55 | 72 | 44 | 12 | -10 | 18 | -0.05 | -0.1 | 2.6 | 227 | 64.1 | 2218.5 | 5790 | 3140 | 503 | 91 | 70.8 | 13 | -25 | 31.2 | 0.4 | 11 | 4.2 | -0.5 | 4350 | 315 | 3500.0 | 2830.0 | 19.5 | 72.0 | 0.9 |
| 700S-180E | -25000 | 667 | 59 | 72 | 65 | 12 | -10 | 19 | -0.05 | -0.1 | 2.1 | 230 | 72.0 | 1503.0 | 3890 | 2340 | 506 | 68 | 56.3 | 11 | -25 | 34.3 | 0.5 | -10 | 8.0 | -0.5 | 6051 | 254 | 3180.0 | 3760.0 | 24.8 | 96.9 | 0.8 |
| 700S-300E | -25000 | 640 | 51 | 71 | 22 | 6 | -10 | 15 | -0.05 | -0.1 | 1.8 | 219 | 124 | 1487.3 | 2920 | 2500 | 198 | 106 | 58.7 | 7 | -25 | 25.4 | 0.3 | 25 | 5.7 | -0.5 | 4658 | 193 | 3140.0 | 3760.0 | 22.4 | 92.6 | 0.7 |
| 700S-340E | -25000 | 648 | 62 | 86 | 56 | 8 | -10 | 19 | -0.05 | -0.1 | 1.1 | 224 | 124 | 1743.8 | 3710 | 1710 | 264 | 119 | 69.6 | 9 | -25 | 32.5 | 0.2 | 11 | 4.1 | -0.5 | 5735 | 256 | 3170.0 | 3640.0 | 24.2 | 90.9 | 0.8 |
| 700S-380E | -25000 | 777 | 57 | 77 | 45 | 9 | -10 | 21 | -0.05 | -0.1 | 1.1 | 216 | 114 | 2016.0 | 4210 | 2430 | 344 | 82 | 69.6 | 9 | -25 | 29.5 | -0.2 | -10 | 4.3 | -0.5 | 4277 | 268 | 3690.0 | 3530.0 | 19.1 | 92.2 | 0.9 |
| 700S-420E | -25000 | 359 | 35 | 63 | 102 | 4 | -10 | 21 | -0.05 | -0.1 | 2.0 | 168 | 43.6 | 1332.0 | 3350 | 807 | 1760 | 78 | 54.8 | 5 | -25 | 45.6 | 0.2 | 253 | 2.6 | -0.5 | 4447 | 181 | 1960.0 | 2040.0 | 16.3 | 61.3 | 0.5 |
| 700S-460E | -25000 | 661 | 51 | 69 | 68 | 10 | -10 | 21 | -0.05 | -0.1 | 1.8 | 249 | 96.7 | 2164.5 | 4790 | 2260 | 268 | 111 | 75.2 | 10 | -25 | 29.2 | 0.3 | 30 | 3.2 | -0.5 | 4747 | 390 | 3310.0 | 3110.0 | 17.5 | 83.5 | 0.7 |
| 700S-500E | -25000 | 644 | 83 | 81 | 49 | 7 | -10 | 25 | -0.05 | -0.1 | 2.0 | 239 | 59.8 | 2058.8 | 4960 | 1800 | 466 | 79 | 59.0 | 9 | -25 | 33.2 | 0.4 | -10 | 3.3 | -0.5 | 5800 | 354 | 3200.0 | 3580.0 | 23.9 | 89.1 | 0.6 |
| BL700S | -25000 | 745 | 128 | 77 | 52 | 9 | -10 | 16 | -0.05 | -0.1 | 1.9 | 254 | 86.0 | 1239.8 | 2540 | 1960 | 1890 | 75 | 53.7 | 7 | -25 | 40.8 | 0.5 | -10 | 3.9 | -0.5 | 6375 | 203 | 2880.0 | 3750.0 | 24.4 | 87.6 | 1.9 |
| 700S-20W | -25000 | 732 | 54 | 66 | 57 | 9 | -10 | 19 | -0.05 | -0.1 | 2.2 | 236 | 92.7 | 2385.0 | 5410 | 2090 | 259 | 112 | 63.8 | 9 | -25 | 30.2 | 0.3 | -10 | 2.8 | -0.5 | 4423 | 251 | 3170.0 | 3040.0 | 22.6 | 79.4 | 0.6 |
| 700S-60W | -25000 | 505 | 44 | 77 | 63 | 6 | -10 | 19 | -0.05 | -0.1 | 2.1 | 281 | 116 | 2081.0 | 4920 | 2130 | 352 | 101 | 62.5 | 9 | -25 | 42.5 | 0.6 | -10 | 4.3 | -0.5 | 5540 | 234 | 2960.0 | 4350.0 | 26.5 | 106.0 | 0.7 |
| 700S-100W | -25000 | 846 | 74 | 93 | 76 | 10 | -10 | 23 | -0.05 | -0.1 | 2.1 | 233 | 110 | 2902.5 | 7000 | 3820 | 249 | 104 | 70.5 | 6 | -25 | 35.2 | 0.4 | -10 | 4.6 | -0.5 | 5160 | 309 | 3120.0 | 3670.0 | 24.2 | 89.5 | 0.7 |
| 700S-140W | -25000 | 851 | 51 | 74 | 40 | 7 | -10 | 19 | -0.05 | -0.1 | 1.3 | 293 | 77.9 | 1653.8 | 4230 | 2350 | 1020 | 121 | 60.8 | 7 | -25 | 55.3 | 0.3 | -10 | 5.6 | -0.5 | 5630 | 339 | 3120.0 | 3190.0 | 23.3 | 72.2 | 0.7 |
| 700S-180W | -25000 | 312 | 40 | 57 | 56 | 3 | -10 | 14 | -0.05 | -0.1 | 1.5 | 272 | 59.2 | 1363.5 | 2150 | 1180 | 1470 | 145 | 59.6 | 5 | -25 | 38.2 | 0.6 | -10 | 7.6 | -0.5 | 5881 | 250 | 2290.0 | 2920.0 | 19.9 | 77.6 | 0.5 |
| 700S-220W | -25000 | 889 | 81 | 77 | 46 | 9 | -10 | 19 | -0.05 | -0.1 | 2.0 | 234 | 90.4 | 1775.3 | 4080 | 3150 | 244 | 132 | 57.5 | 9 | -25 | 34.9 | 0.3 | -10 | 10.4 | -0.5 | 5476 | 279 | 3070.0 | 3040.0 | 22.8 | 75.5 | 0.7 |
| 700S-260W | -25000 | 675 | 56 | 74 | 30 | 6 | -10 | 18 | -0.05 | -0.1 | 2.2 | 219 | 99.2 | 2121.8 | 3530 | 3320 | 63 | 87 | 56.2 | 5 | -25 | 29.8 | 0.4 | -10 | 4.0 | -0.5 | 5176 | 172 | 3110.0 | 3730.0 | 22.6 | 89.8 | 0.6 |

**PGE Package:** *Oxidation Suite:*

| Sample ID: | S.Q. Cl | V | As | Se | Mo | Sb | Te | W | Re | Au | S.Q. Hg | Th | U |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00S-20W | -25000 | 776 | 92 | 84 | 76 | 11 | -10 | 18 | -0.05 | 0.1 | 1.3 | 269 | 96.4 |
| 00S-60W | -25000 | 848 | 71 | 110 | 73 | 8 | -10 | 19 | 0.27 | -0.1 | 1.3 | 242 | 69.3 |
| 00S-220W | -25000 | 917 | 110 | 105 | 141 | 14 | -10 | 24 | 0.35 | 0.1 | 1.9 | 288 | 39.8 |
| 00S-260 | -25000 | 830 | 98 | 85 | 88 | 12 | -10 | 24 | 0.11 | 0.1 | 2.5 | 260 | 131 |
| 00S-300W | -25000 | 748 | 83 | 73 | 49 | 10 | -10 | 15 | -0.05 | -0.1 | 1.6 | 274 | 135 |
| 100S-60E | -25000 | 736 | 286 | 38 | 13 | 21 | -10 | -10 | 0.05 | 0.3 | 7.2 | 94.5 | 32.0 |
| 100S-100E | -25000 | 682 | 95 | 89 | 39 | 13 | -10 | 15 | -0.05 | 0.1 | 1.8 | 196 | 110 |
| 100S-140E | -25000 | 577 | 49 | 50 | 117 | 5 | -10 | 18 | -0.05 | -0.1 | 1.3 | 195 | 60.3 |
| BL100S | -25000 | 809 | 127 | 56 | 49 | 11 | -10 | 12 | 0.06 | 0.2 | 2.7 | 195 | 77.2 |
| 100S-20W | -25000 | 461 | 95 | 74 | 92 | 8 | -10 | 12 | 0.26 | -0.1 | 2.0 | 115 | 33.3 |
| 100S-60W | -25000 | 717 | 144 | 47 | 923 | 23 | -10 | 27 | 0.73 | 0.3 | 2.2 | 157 | 30.1 |
| 100S-100W | 204000 | 628 | 75 | 103 | 114 | 10 | -10 | 22 | 0.88 | 0.1 | 1.2 | 239 | 129 |
| 100S-140W | -25000 | 641 | 65 | 80 | 79 | 12 | -10 | 21 | 0.12 | 0.1 | 1.6 | 237 | 94.0 |
| 100S-180W | -25000 | 1040 | 112 | 98 | 51 | 21 | -10 | 21 | 0.31 | 0.1 | 1.4 | 281 | 123 |
| 100S-220W | -25000 | 848 | 103 | 47 | 24 | 14 | -10 | -10 | -0.05 | -0.1 | 1.3 | 152 | 108 |
| 100S-260W | -25000 | 773 | 139 | 84 | 105 | 12 | -10 | 22 | 0.19 | 0.1 | 1.4 | 305 | 124 |
| 100S-300W | -25000 | 589 | 95 | 80 | 63 | 11 | -10 | 17 | -0.05 | 0.1 | 1.8 | 236 | 130 |
| 100S-340W | -25000 | 488 | 89 | 93 | 63 | 7 | -10 | 17 | 0.10 | 0.1 | 1.6 | 261 | 108 |
| 100S-380W | -25000 | 652 | 96 | 79 | 86 | 7 | -10 | 22 | 0.05 | -0.1 | 1.9 | 282 | 124 |
| 200S-20E | -25000 | 571 | 61 | 99 | 114 | 11 | -10 | 22 | -0.05 | -0.1 | 1.8 | 260 | 128 |
| 200S-100E | -25000 | 450 | 116 | 26 | 101 | 7 | -10 | -10 | 1.13 | 0.1 | 6.3 | 98.1 | 31.8 |
| 200S-140E | -25000 | 852 | 117 | 84 | 76 | 10 | -10 | 21 | 0.12 | -0.1 | 1.1 | 316 | 59.0 |
| 200S-180E | -25000 | 460 | 67 | 85 | 146 | 5 | -10 | 18 | 0.13 | -0.1 | 1.6 | 222 | 86.7 |
| 200S-220E | -25000 | 680 | 72 | 109 | 47 | 11 | -10 | 19 | -0.05 | 0.2 | 2.0 | 222 | 32.9 |
| 200S-260E | -25000 | 654 | 72 | 87 | 41 | 9 | -10 | 16 | 0.06 | 0.1 | 0.9 | 212 | 65.5 |
| 200S-300E | -25000 | 634 | 63 | 104 | 53 | 8 | -10 | 16 | 0.05 | -0.1 | 1.3 | 264 | 58.7 |
| 200S-340E | -25000 | 541 | 186 | 74 | 79 | 4 | -10 | 22 | 0.07 | -0.1 | 1.2 | 330 | 52.8 |
| 200S-380E | -25000 | 847 | 85 | 103 | 111 | 8 | -10 | 19 | -0.05 | -0.1 | 1.5 | 297 | 92.0 |
| 200S-420E | -25000 | 767 | 81 | 124 | 76 | 8 | -10 | 16 | 0.06 | -0.1 | 1.2 | 297 | 94.7 |
| 200S-460E | -25000 | 572 | 107 | 80 | 110 | 7 | -10 | 21 | 0.08 | 0.2 | 1.4 | 315 | 78.5 |
| 200S-500E | -25000 | 811 | 80 | 90 | 66 | 10 | -10 | 18 | 0.06 | -0.1 | 1.5 | 194 | 70.7 |
| BL200S | -25000 | 737 | 123 | 81 | 55 | 9 | -10 | 15 | 0.08 | -0.1 | 2.2 | 254 | 84.6 |
| 200S-20W | -25000 | 635 | 45 | 62 | 86 | 12 | -10 | 18 | -0.05 | 0.4 | 1.8 | 203 | 41.1 |
| 200S-60W | -25000 | 451 | 72 | 80 | 126 | 8 | -10 | 22 | -0.05 | -0.1 | 1.3 | 258 | 80.8 |
| 200S-100W | 27000 | 822 | 110 | 54 | 119 | 8 | -10 | 25 | 0.13 | -0.1 | 1.3 | 292 | 46.5 |
| 200S-140W | -25000 | 547 | 48 | 63 | 155 | 10 | -10 | 28 | -0.05 | 0.1 | 2.0 | 246 | 45.8 |
| 200S-180W | -25000 | 655 | 49 | 92 | 165 | 15 | -10 | 35 | -0.05 | 0.1 | 2.1 | 252 | 78.6 |
| 200S-220W | -25000 | 836 | 135 | 90 | 48 | 17 | -10 | 16 | 0.49 | -0.1 | 2.1 | 255 | 41.2 |
| 200S-260W | -25000 | 583 | 142 | 67 | 102 | 8 | -10 | 18 | -0.05 | -0.1 | 1.9 | 267 | 81.6 |
| 200S-300W | -25000 | 568 | 96 | 50 | 82 | 13 | -10 | 16 | 0.10 | -0.1 | 2.2 | 232 | 69.7 |
| 200S-340W | -25000 | 751 | 137 | 68 | 44 | 9 | -10 | 21 | -0.05 | 0.2 | 1.5 | 309 | 56.2 |
| 200S-380W | -25000 | 457 | 65 | 63 | 122 | 9 | -10 | 27 | -0.05 | -0.1 | 1.9 | 241 | 72.6 |
| 200S-420W | -25000 | 410 | 167 | 53 | 197 | 2 | -10 | 23 | 0.18 | -0.1 | 1.9 | 256 | 50.8 |
| 300S-20E | -25000 | 521 | 64 | 71 | 40 | 7 | -10 | 19 | -0.05 | -0.1 | 1.7 | 255 | 100 |
| 300S-60E | -25000 | 626 | 83 | 87 | 42 | 14 | -10 | 17 | 0.18 | 0.2 | 1.5 | 238 | 132 |
| 300S-180E | -25000 | 738 | 61 | 94 | 103 | 12 | -10 | 18 | -0.05 | -0.1 | 1.4 | 243 | 67.9 |
| 300S-220E | -25000 | 578 | 66 | 64 | 108 | 6 | -10 | 19 | -0.05 | -0.1 | 1.5 | 228 | 75.4 |
| 300S-260E | -25000 | 735 | 69 | 79 | 57 | 7 | -10 | 18 | -0.05 | 0.2 | 1.9 | 219 | 63.5 |
| 300S-300E | -25000 | 676 | 65 | 99 | 68 | 10 | -10 | 19 | -0.05 | -0.1 | 1.1 | 239 | 65.1 |
| 300S-340E | -25000 | 801 | 60 | 119 | 103 | 12 | -10 | 21 | -0.05 | -0.1 | 1.4 | 275 | 130 |
| 300S-380E | -25000 | 804 | 92 | 83 | 101 | 14 | -10 | 20 | -0.05 | -0.1 | 1.9 | 262 | 70.8 |
| 300S-420E | -25000 | 597 | 57 | 103 | 64 | 11 | -10 | 18 | -0.05 | -0.1 | 1.2 | 240 | 144 |
| 300S-460E | -25000 | 548 | 48 | 85 | 59 | 10 | -10 | 18 | 0.16 | -0.1 | 0.8 | 245 | 108 |
| 300S-500E | -25000 | 990 | 145 | 39 | 23 | 10 | -10 | 12 | -0.05 | 0.2 | 3.4 | 106 | 37.2 |
| BL300S | -25000 | 622 | 119 | 71 | 58 | 9 | -10 | 15 | 0.10 | -0.1 | 2.1 | 241 | 78.6 |
| 300S-20W | -25000 | 358 | 47 | 45 | 95 | 8 | -10 | 18 | -0.05 | -0.1 | 1.7 | 229 | 64.9 |
| 300S-60W | -25000 | 927 | 123 | 90 | 123 | 13 | -10 | 26 | 0.10 | -0.1 | 1.5 | 314 | 113 |
| 300S-100W | -25000 | 861 | 86 | 84 | 64 | 23 | -10 | 21 | 0.07 | 0.1 | 2.0 | 206 | 54.4 |
| 300S-140W | -25000 | 897 | 75 | 79 | 143 | 18 | -10 | 27 | 0.07 | -0.1 | 1.5 | 329 | 115 |
| 300S-180W | -25000 | 665 | 73 | 67 | 116 | 11 | -10 | 18 | 0.10 | -0.1 | 2.0 | 313 | 104 |
| 300S-220W | -25000 | 831 | 111 | 100 | 72 | 11 | -10 | 24 | 0.09 | -0.1 | 3.1 | 285 | 101 |
| 300S-260W | -25000 | 1460 | 142 | 78 | 56 | 20 | -10 | 25 | -0.05 | 0.3 | 2.5 | 335 | 33.8 |
| 300S-300W | -25000 | 1060 | 92 | 81 | 84 | 19 | -10 | 22 | 0.07 | -0.1 | 2.7 | 317 | 84.9 |
| 300S-340W | -25000 | 943 | 89 | 73 | 55 | 14 | -10 | 18 | -0.05 | 0.3 | 3.1 | 245 | 63.0 |
| 300S-380W | -25000 | 584 | 80 | 73 | 78 | 9 | -10 | 21 | 0.06 | -0.1 | 1.9 | 285 | 102 |
| 300S-420W | -25000 | 761 | 166 | 45 | 108 | 9 | -10 | 19 | -0.05 | -0.1 | 2.2 | 261 | 50.8 |
| 300S-460W | -25000 | 908 | 151 | 52 | 37 | 11 | -10 | 17 | -0.05 | 0.2 | 3.6 | 160 | 53.9 |
| 400S-20E | -25000 | 578 | 57 | 84 | 113 | 10 | -10 | 25 | -0.05 | -0.1 | 1.6 | 311 | 83.2 |
| 400S-60E | -25000 | 711 | 60 | 62 | 44 | 16 | -10 | 18 | -0.05 | 0.2 | 1.9 | 240 | 86.1 |
| 400S-100E | -25000 | 701 | 60 | 72 | 100 | 10 | -10 | 20 | 0.19 | 0.1 | 1.7 | 319 | 78.1 |
| 400S-220E | -25000 | 677 | 57 | 58 | 76 | 12 | -10 | 20 | -0.05 | 0.2 | 1.3 | 235 | 99.4 |
| 400S-260E | -25000 | 771 | 165 | 48 | 58 | 9 | -10 | 23 | -0.05 | -0.1 | 4.3 | 286 | 30.2 |
| 400S-300E | -25000 | 587 | 73 | 66 | 52 | 11 | -10 | 17 | 0.10 | -0.1 | 0.9 | 275 | 72.9 |
| 400S-340E | -25000 | 552 | 46 | 88 | 125 | 8 | -10 | 20 | -0.05 | 0.1 | 1.8 | 308 | 87.7 |
| 400S-380E | -25000 | 592 | 74 | 99 | 83 | 10 | -10 | 21 | -0.05 | -0.1 | 1.0 | 329 | 76.7 |
| 400S-420E | -25000 | 678 | 79 | 70 | 122 | 14 | -10 | 22 | -0.05 | -0.1 | 1.4 | 302 | 95.3 |
| 400S-460E | -25000 | 779 | 97 | 72 | 281 | 11 | -10 | 25 | 0.08 | 0.1 | 1.4 | 290 | 71.9 |
| 400S-500E | -25000 | 682 | 52 | 75 | 84 | 13 | -10 | 21 | -0.05 | -0.1 | 1.4 | 258 | 122 |
| BL400S | -25000 | 605 | 113 | 53 | 64 | 11 | -10 | 19 | -0.05 | -0.1 | 1.7 | 244 | 85.0 |
| 400S-20W | -25000 | 670 | 58 | 54 | 49 | 12 | -10 | 16 | 0.07 | 0.1 | 1.9 | 277 | 96.8 |

*Base Met:* / *Base Metal - Chalcophile Associat.*

| Sample ID: | Co | Ni | Cu | Zn | Pb | Ga | Ge | Ag | Cd | In | Sn | Tl | Bi |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00S-20W | 2490.0 | 4040 | 2768 | 253 | 81 | 67.8 | 11 | -25 | 41.6 | 0.3 | 101 | 2.7 | -0.5 |
| 00S-60W | 2450.0 | 5660 | 2264 | 517 | 107 | 78.9 | 15 | -25 | 31.0 | 0.4 | 31 | 3.9 | -0.5 |
| 00S-220W | 2470.0 | 4290 | 3320 | 337 | 143 | 65.4 | 14 | -25 | 33.4 | 0.3 | 88 | 1.0 | -0.5 |
| 00S-260 | 2590.0 | 4230 | 2280 | 505 | 80 | 77.0 | 16 | -25 | 41.1 | 0.6 | 41 | 2.3 | -0.5 |
| 00S-300W | 1900.0 | 3870 | 3464 | 502 | 61 | 70.5 | 13 | -25 | 23.6 | 0.5 | 42 | 4.9 | -0.5 |
| 100S-60E | 378.0 | 409 | 2144 | 132 | 31 | 13.9 | 4 | -25 | 33.1 | 0.4 | 37 | 28.1 | -0.5 |
| 100S-100E | 1580.0 | 2690 | 3056 | 307 | 61 | 70.3 | 13 | -25 | 26.0 | 0.4 | 53 | 6.2 | -0.5 |
| 100S-140E | 2780.0 | 6490 | 2648 | 360 | 74 | 68.2 | 11 | -25 | 34.5 | -0.2 | 52 | 4.0 | -0.5 |
| BL100S | 1260.0 | 2530 | 2050 | 2120 | 76 | 54.1 | 9 | -25 | 35.4 | 0.6 | 19 | 6.6 | -0.5 |
| 100S-20W | 969.0 | 2290 | 4232 | 386 | 49 | 39.4 | 7 | -25 | 31.9 | 0.4 | -10 | 3.9 | -0.5 |
| 100S-60W | 2680.0 | 5040 | 20000 | 941 | 85 | 62.4 | 8 | -25 | 72.4 | 0.7 | 16 | -0.5 | -0.5 |
| 100S-100W | 2190.0 | 4300 | 2688 | 407 | 39 | 66.1 | 12 | -25 | 45.7 | 0.5 | 30 | 0.7 | -0.5 |
| 100S-140W | 2100.0 | 4990 | 2528 | 290 | 38 | 62.3 | 12 | -25 | 33.4 | 0.5 | 46 | 0.5 | -0.5 |
| 100S-180W | 1770.0 | 3460 | 2112 | 388 | 52 | 63.4 | 13 | -25 | 47.2 | -0.2 | 60 | 1.8 | -0.5 |
| 100S-220W | 480.0 | 1120 | 1576 | 171 | 23 | 37.5 | 7 | -25 | 20.3 | -0.2 | 67 | 10.3 | -0.5 |
| 100S-260W | 2490.0 | 3690 | 1536 | 512 | 71 | 66.0 | 11 | -25 | 35.6 | 0.6 | 28 | 2.3 | -0.5 |
| 100S-300W | 2190.0 | 3360 | 2272 | 626 | 70 | 77.1 | 14 | -25 | 35.8 | 0.4 | -10 | 2.3 | -0.5 |
| 100S-340W | 1560.0 | 2560 | 2424 | 430 | 77 | 68.4 | 13 | -25 | 26.2 | 0.5 | -10 | 3.3 | -0.5 |
| 100S-380W | 1940.0 | 2890 | 2096 | 946 | 83 | 71.1 | 13 | -25 | 27.2 | 0.5 | -10 | 5.3 | -0.5 |
| 200S-20E | 2300.0 | 3810 | 1208 | 434 | 47 | 72.0 | 14 | -25 | 35.2 | 0.5 | -10 | 1.0 | -0.5 |
| 200S-100E | 584.0 | 501 | 9840 | 244 | 33 | 15.3 | 3 | -25 | 46.9 | 1.1 | 71 | 29.0 | -0.5 |
| 200S-140E | 2090.0 | 5590 | 2536 | 548 | 77 | 68.6 | 13 | -25 | 35.7 | 0.4 | -10 | 3.6 | -0.5 |
| 200S-180E | 2030.0 | 4070 | 1544 | 843 | 87 | 66.0 | 11 | -25 | 42.3 | 0.5 | 24 | 1.8 | -0.5 |
| 200S-220E | 2200.0 | 5650 | 3224 | 199 | 52 | 66.0 | 13 | -25 | 26.4 | 0.2 | 13 | 1.8 | -0.5 |
| 200S-260E | 1590.0 | 4540 | 2416 | 188 | 78 | 72.6 | 15 | -25 | 17.4 | 0.4 | 11 | 4.3 | -0.5 |
| 200S-300E | 1530.0 | 4730 | 1912 | 565 | 76 | 78.4 | 15 | -25 | 22.8 | 0.4 | -10 | 5.4 | -0.5 |
| 200S-340E | 1770.0 | 4250 | 1184 | 497 | 86 | 63.2 | 10 | -25 | 24.3 | 0.5 | 29 | 2.8 | -0.5 |
| 200S-380E | 1610.0 | 4300 | 1408 | 1110 | 68 | 77.0 | 17 | -25 | 30.6 | 0.5 | -10 | 3.0 | -0.5 |
| 200S-420E | 1830.0 | 4670 | 1808 | 874 | 110 | 83.5 | 15 | -25 | 26.6 | 0.3 | -10 | 2.7 | -0.5 |
| 200S-460E | 1630.0 | 4070 | 872 | 934 | 117 | 75.1 | 14 | -25 | 35.9 | 0.4 | 28 | 1.7 | -0.5 |
| 200S-500E | 2650.0 | 8770 | 2624 | 389 | 52 | 71.1 | 13 | -25 | 21.2 | 0.4 | 23 | 1.3 | -0.5 |
| BL200S | 1310.0 | 2990 | 2205 | 2340 | 73 | 63.9 | 10 | -25 | 47.0 | 0.7 | -10 | 4.3 | -0.5 |
| 200S-20W | 1950.0 | 4740 | 3234 | 305 | 40 | 53.4 | 9 | -25 | 22.4 | 0.5 | -10 | 0.9 | -0.5 |
| 200S-60W | 1860.0 | 3230 | 1260 | 857 | 72 | 60.4 | 9 | -25 | 35.2 | 0.4 | -10 | 1.2 | -0.5 |
| 200S-100W | 2250.0 | 4200 | 1890 | 890 | 156 | 55.5 | 9 | -25 | 44.3 | 0.5 | 156 | 3.5 | 0.5 |
| 200S-140W | 2680.0 | 5360 | 1754 | 532 | 82 | 63.6 | 11 | -25 | 34.1 | 0.6 | 46 | -0.5 | -0.5 |
| 200S-180W | 3880.0 | 6680 | 1764 | 484 | 102 | 80.0 | 16 | -25 | 31.7 | 0.5 | 13 | -0.5 | -0.5 |
| 200S-220W | 1080.0 | 2990 | 1712 | 408 | 51 | 52.5 | 9 | -25 | 41.0 | 0.5 | 18 | 2.2 | -0.5 |
| 200S-260W | 1440.0 | 2590 | 1029 | 1260 | 54 | 57.7 | 10 | -25 | 32.3 | 0.7 | 28 | 1.9 | -0.5 |
| 200S-300W | 1350.0 | 2560 | 1554 | 802 | 73 | 53.7 | 10 | -25 | 33.5 | 0.6 | -10 | 3.0 | -0.5 |
| 200S-340W | 1900.0 | 3260 | 3024 | 412 | 87 | 64.1 | 10 | -25 | 32.1 | 0.4 | -10 | 1.2 | -0.5 |
| 200S-380W | 2010.0 | 3260 | 1082 | 378 | 80 | 57.8 | 10 | -25 | 33.3 | 0.5 | 14 | -0.5 | -0.5 |
| 200S-420W | 1350.0 | 1990 | 709 | 3860 | 94 | 54.7 | 7 | -25 | 47.6 | 0.8 | -10 | 2.1 | -0.5 |
| 300S-20E | 1800.0 | 2990 | 2604 | 580 | 62 | 56.9 | 11 | -25 | 23.2 | 0.3 | -10 | 2.0 | -0.5 |
| 300S-60E | 1900.0 | 3180 | 2993 | 298 | 57 | 62.3 | 11 | -25 | 28.6 | 0.3 | -10 | 1.3 | -0.5 |
| 300S-180E | 2120.0 | 4840 | 3623 | 300 | 71 | 71.5 | 13 | -25 | 21.6 | 0.5 | -10 | 8.3 | -0.5 |
| 300S-220E | 2190.0 | 5050 | 3045 | 716 | 74 | 77.7 | 12 | -25 | 28.2 | 0.5 | -10 | 5.0 | -0.5 |
| 300S-260E | 2320.0 | 4940 | 3402 | 1020 | 97 | 80.5 | 12 | -25 | 32.2 | 0.5 | 84 | 1.6 | -0.5 |
| 300S-300E | 2040.0 | 5240 | 2352 | 829 | 59 | 79.6 | 14 | -25 | 33.4 | 0.4 | -10 | 3.3 | -0.5 |
| 300S-340E | 2660.0 | 6410 | 3350 | 550 | 89 | 91.2 | 18 | -25 | 29.7 | 0.4 | 162 | 5.7 | -0.5 |
| 300S-380E | 2000.0 | 4860 | 3119 | 3090 | 140 | 87.4 | 14 | -25 | 46.4 | 0.6 | 91 | 1.2 | -0.5 |
| 300S-420E | 1810.0 | 3400 | 2006 | 313 | 81 | 79.5 | 15 | -25 | 26.2 | 0.3 | 11 | 2.2 | -0.5 |
| 300S-460E | 1410.0 | 4030 | 2037 | 847 | 75 | 76.3 | 13 | -25 | 27.7 | 0.3 | 13 | 8.4 | -0.5 |
| 300S-500E | 684.0 | 1250 | 1922 | 362 | 48 | 27.0 | 4 | -25 | 28.3 | 0.6 | -10 | 14.3 | -0.5 |
| BL300S | 1210.0 | 2860 | 1649 | 1690 | 61 | 55.8 | 9 | -25 | 34.7 | 0.5 | 14 | 7.0 | -0.5 |
| 300S-20W | 1580.0 | 3040 | 1500 | 1680 | 60 | 64.9 | 11 | -25 | 32.5 | 0.5 | -10 | 6.4 | -0.5 |
| 300S-60W | 2570.0 | 5020 | 3070 | 1240 | 114 | 70.7 | 14 | -25 | 35.0 | 0.5 | 81 | 2.3 | -0.5 |
| 300S-100W | 2670.0 | 5400 | 3870 | 494 | 39 | 61.1 | 11 | -25 | 33.6 | 0.5 | 46 | 1.9 | -0.5 |
| 300S-140W | 2150.0 | 4700 | 1920 | 576 | 59 | 61.0 | 10 | -25 | 65.2 | 0.6 | -10 | 2.7 | -0.5 |
| 300S-180W | 2080.0 | 3920 | 1950 | 354 | 61 | 58.0 | 10 | -25 | 21.6 | 0.6 | -10 | 1.0 | -0.5 |
| 300S-220W | 2420.0 | 4800 | 2440 | 980 | 119 | 73.5 | 12 | -25 | 41.3 | 0.8 | 16 | 3.5 | -0.5 |
| 300S-260W | 2510.0 | 6490 | 5680 | 678 | 95 | 60.5 | 13 | -25 | 36.3 | 0.5 | -10 | 4.6 | 0.6 |
| 300S-300W | 1960.0 | 4250 | 2460 | 401 | 81 | 68.0 | 13 | -25 | 18.2 | 0.5 | -10 | 4.3 | -0.5 |
| 300S-340W | 2110.0 | 4440 | 6000 | 193 | 60 | 58.9 | 10 | -25 | 23.0 | 0.5 | -10 | 5.9 | -0.5 |
| 300S-380W | 1920.0 | 2820 | 2110 | 343 | 90 | 68.6 | 11 | -25 | 28.6 | 0.5 | 126 | 1.6 | -0.5 |
| 300S-420W | 1190.0 | 2880 | 2750 | 1430 | 66 | 62.1 | 11 | -25 | 28.0 | 0.6 | 16 | 9.0 | -0.5 |
| 300S-460W | 1240.0 | 2620 | 3140 | 426 | 56 | 39.9 | 6 | -25 | 34.2 | 0.3 | -10 | 7.0 | -0.5 |
| 400S-20E | 1960.0 | 3970 | 2530 | 124 | 78 | 67.8 | 12 | -25 | 33.4 | 0.4 | -10 | 2.0 | -0.5 |
| 400S-60E | 2420.0 | 5630 | 4790 | 255 | 54 | 66.1 | 12 | -25 | 29.8 | 0.4 | 24 | 2.9 | -0.5 |
| 400S-100E | 2090.0 | 3950 | 2930 | 1320 | 81 | 64.7 | 9 | -25 | 29.0 | 0.4 | -10 | 4.6 | -0.5 |
| 400S-220E | 2070.0 | 4450 | 2710 | 339 | 53 | 61.2 | 12 | -25 | 17.4 | 0.4 | -10 | 3.1 | -0.5 |
| 400S-260E | 1500.0 | 3880 | 1630 | 3950 | 99 | 53.5 | 7 | -25 | 44.7 | 0.7 | -10 | 6.3 | -0.5 |
| 400S-300E | 1530.0 | 3840 | 1780 | 905 | 50 | 67.3 | 9 | -25 | 25.5 | 0.5 | -10 | 3.9 | -0.5 |
| 400S-340E | 1610.0 | 3160 | 1690 | 917 | 88 | 82.0 | 12 | -25 | 36.4 | 0.5 | -10 | 2.0 | -0.5 |
| 400S-380E | 2120.0 | 5310 | 2490 | 973 | 87 | 71.4 | 13 | -25 | 30.0 | 0.5 | 11 | 2.0 | -0.5 |
| 400S-420E | 1820.0 | 4840 | 2210 | 1310 | 61 | 67.0 | 10 | -25 | 36.7 | 0.3 | 142 | 3.6 | -0.5 |
| 400S-460E | 1620.0 | 4290 | 3240 | 1380 | 169 | 70.6 | 11 | -25 | 47.9 | 0.8 | 75 | 4.3 | -0.5 |
| 400S-500E | 1650.0 | 4150 | 3090 | 613 | 72 | 68.5 | 12 | -25 | 31.0 | 0.3 | 11 | 1.6 | -0.5 |
| BL400S | 1460.0 | 3090 | 2090 | 1850 | 67 | 56.5 | 12 | -25 | 34.8 | 0.6 | -10 | 6.4 | -0.5 |
| 400S-20W | 1750.0 | 3710 | 3190 | 288 | 64 | 59.4 | 11 | -25 | 33.3 | 0.4 | -10 | 4.1 | -0.5 |

*High-Field Strength Elements:*

| Sample ID: | S.Q. Ti | S.Q. Cr | Y | Zr | Nb | Hf | Ta |
|---|---|---|---|---|---|---|---|
| 00S-20W | 3240 | 143 | 3790.0 | 3100.0 | 22.9 | 68.2 | 1.7 |
| 00S-60W | 3060 | 219 | 4350.0 | 2330.0 | 19.0 | 59.9 | 1.8 |
| 00S-220W | 4060 | 204 | 3850.0 | 3080.0 | 27.5 | 63.9 | 1.7 |
| 00S-260 | 6730 | 154 | 4030.0 | 4460.0 | 32.3 | 103.0 | 1.9 |
| 00S-300W | 4710 | 143 | 3900.0 | 4360.0 | 29.1 | 97.1 | 1.9 |
| 100S-60E | 846 | 134 | 1260.0 | 255.0 | 1.4 | 6.7 | 0.5 |
| 100S-100E | 3250 | 131 | 4230.0 | 3360.0 | 24.6 | 82.1 | 1.9 |
| 100S-140E | 2240 | 147 | 3370.0 | 2360.0 | 17.1 | 56.9 | 1.4 |
| BL100S | 4590 | 197 | 2980.0 | 2830.0 | 23.6 | 69.7 | 1.4 |
| 100S-20W | 858 | 96 | 2410.0 | 846.0 | 5.3 | 20.3 | 1.0 |
| 100S-60W | 2010 | 125 | 3010.0 | 2400.0 | 14.5 | 56.3 | 1.4 |
| 100S-100W | 4920 | 125 | 3790.0 | 3670.0 | 29.2 | 84.3 | 1.5 |
| 100S-140W | 4340 | 106 | 3730.0 | 3200.0 | 24.0 | 71.9 | 1.7 |
| 100S-180W | 3730 | 116 | 3670.0 | 3900.0 | 28.2 | 78.7 | 1.7 |
| 100S-220W | 2300 | 105 | 2090.0 | 2290.0 | 12.4 | 52.6 | 1.1 |
| 100S-260W | 8300 | 141 | 3380.0 | 4960.0 | 42.5 | 110.0 | 1.8 |
| 100S-300W | 4570 | 109 | 4280.0 | 4220.0 | 30.4 | 107.0 | 2.3 |
| 100S-340W | 4750 | 175 | 3780.0 | 3830.0 | 29.0 | 90.9 | 2.0 |
| 100S-380W | 4810 | 175 | 4180.0 | 3830.0 | 32.4 | 90.8 | 2.2 |
| 200S-20E | 4900 | 102 | 4140.0 | 4080.0 | 27.3 | 110.0 | 1.8 |
| 200S-100E | 352 | 88 | 1050.0 | 265.0 | 1.5 | 8.4 | 0.4 |
| 200S-140E | 3000 | 227 | 4020.0 | 2960.0 | 20.5 | 67.4 | 2.1 |
| 200S-180E | 3310 | 173 | 3460.0 | 2600.0 | 19.2 | 64.5 | 1.6 |
| 200S-220E | 1860 | 207 | 4160.0 | 1820.0 | 11.8 | 51.1 | 1.8 |
| 200S-260E | 2040 | 143 | 4380.0 | 2400.0 | 14.0 | 64.9 | 2.2 |
| 200S-300E | 2590 | 191 | 4490.0 | 2770.0 | 19.4 | 72.7 | 2.2 |
| 200S-340E | 3770 | 209 | 3200.0 | 2940.0 | 23.8 | 70.1 | 1.6 |
| 200S-380E | 3060 | 159 | 4690.0 | 2840.0 | 22.6 | 77.8 | 2.1 |
| 200S-420E | 2880 | 282 | 4860.0 | 2690.0 | 21.2 | 72.4 | 2.4 |
| 200S-460E | 3420 | 164 | 3610.0 | 3170.0 | 24.6 | 78.7 | 2.0 |
| 200S-500E | 2510 | 184 | 4190.0 | 1980.0 | 14.1 | 61.0 | 2.0 |
| BL200S | 4710 | 176 | 3360.0 | 3370.0 | 26.8 | 87.2 | 1.9 |
| 200S-20W | 2160 | 128 | 3110.0 | 1690.0 | 14.0 | 47.6 | 1.6 |
| 200S-60W | 4290 | 120 | 3290.0 | 3230.0 | 24.9 | 81.0 | 1.4 |
| 200S-100W | 3950 | 185 | 3050.0 | 2230.0 | 22.4 | 59.5 | 1.6 |
| 200S-140W | 2830 | 127 | 3460.0 | 2620.0 | 20.3 | 71.7 | 1.9 |
| 200S-180W | 2530 | 165 | 4950.0 | 2480.0 | 16.2 | 71.7 | 2.2 |
| 200S-220W | 4890 | 289 | 2790.0 | 2800.0 | 31.3 | 76.9 | 1.5 |
| 200S-260W | 6230 | 151 | 3020.0 | 3540.0 | 37.5 | 95.1 | 1.4 |
| 200S-300W | 3900 | 122 | 3170.0 | 2790.0 | 23.0 | 77.0 | 1.8 |
| 200S-340W | 3120 | 116 | 3790.0 | 3700.0 | 26.7 | 89.9 | 2.1 |
| 200S-380W | 3330 | 76 | 3400.0 | 2830.0 | 22.4 | 74.5 | 1.5 |
| 200S-420W | 4990 | 166 | 2650.0 | 2030.0 | 25.9 | 63.2 | 1.4 |
| 300S-20E | 3170 | 113 | 3700.0 | 3340.0 | 23.7 | 86.4 | 1.7 |
| 300S-60E | 4270 | 125 | 3970.0 | 3950.0 | 24.7 | 104.0 | 2.1 |
| 300S-180E | 2720 | 215 | 3830.0 | 2790.0 | 21.3 | 65.3 | 1.8 |
| 300S-220E | 2930 | 194 | 3910.0 | 2290.0 | 20.0 | 59.4 | 1.8 |
| 300S-260E | 2420 | 143 | 4020.0 | 2460.0 | 15.1 | 64.8 | 1.7 |
| 300S-300E | 2680 | 176 | 4750.0 | 2510.0 | 17.5 | 67.7 | 2.2 |
| 300S-340E | 3300 | 250 | 5550.0 | 3390.0 | 23.2 | 84.6 | 2.8 |
| 300S-380E | 3500 | 206 | 4560.0 | 3070.0 | 24.5 | 76.0 | 2.0 |
| 300S-420E | 3040 | 138 | 4470.0 | 3200.0 | 22.9 | 83.3 | 1.9 |
| 300S-460E | 2500 | 213 | 4320.0 | 2740.0 | 18.9 | 73.5 | 1.9 |
| 300S-500E | 1070 | 169 | 1700.0 | 655.0 | 5.0 | 15.0 | 0.8 |
| BL300S | 3830 | 128 | 3310.0 | 3230.0 | 22.7 | 80.5 | 1.2 |
| 300S-20W | 3230 | 137 | 3400.0 | 2670.0 | 20.2 | 70.6 | 1.5 |
| 300S-60W | 4330 | 209 | 3910.0 | 3480.0 | 31.3 | 84.7 | 2.1 |
| 300S-100W | 1640 | 151 | 4060.0 | 1530.0 | 7.3 | 46.3 | 1.8 |
| 300S-140W | 4240 | 192 | 3890.0 | 2880.0 | 22.8 | 69.8 | 1.6 |
| 300S-180W | 5010 | 147 | 3750.0 | 3730.0 | 28.0 | 89.1 | 1.7 |
| 300S-220W | 4770 | 206 | 4080.0 | 3640.0 | 28.3 | 99.6 | 2.0 |
| 300S-260W | 3070 | 395 | 3700.0 | 1840.0 | 16.4 | 47.2 | 2.0 |
| 300S-300W | 3270 | 202 | 4620.0 | 2590.0 | 20.1 | 66.9 | 1.9 |
| 300S-340W | 2320 | 258 | 3840.0 | 1600.0 | 11.2 | 43.7 | 1.8 |
| 300S-380W | 3490 | 137 | 3800.0 | 2800.0 | 20.7 | 74.0 | 1.8 |
| 300S-420W | 3930 | 266 | 3460.0 | 2450.0 | 19.6 | 70.6 | 1.8 |
| 300S-460W | 1910 | 118 | 2630.0 | 1670.0 | 14.0 | 41.6 | 1.3 |
| 400S-20E | 4230 | 138 | 3640.0 | 3680.0 | 23.9 | 93.6 | 2.0 |
| 400S-60E | 2890 | 176 | 4240.0 | 2690.0 | 16.4 | 73.9 | 1.9 |
| 400S-100E | 3380 | 224 | 3450.0 | 3280.0 | 26.6 | 86.6 | 1.9 |
| 400S-220E | 2800 | 123 | 3790.0 | 2840.0 | 18.3 | 77.2 | 1.9 |
| 400S-260E | 3930 | 279 | 2640.0 | 1920.0 | 19.9 | 49.1 | 1.1 |
| 400S-300E | 2610 | 187 | 4020.0 | 1980.0 | 14.9 | 56.7 | 1.8 |
| 400S-340E | 2780 | 141 | 4520.0 | 2290.0 | 16.7 | 73.6 | 2.3 |
| 400S-380E | 2720 | 218 | 4150.0 | 2390.0 | 14.0 | 71.3 | 2.0 |
| 400S-420E | 3410 | 183 | 3820.0 | 2970.0 | 22.2 | 84.0 | 2.0 |
| 400S-460E | 4650 | 325 | 3760.0 | 3090.0 | 25.0 | 91.5 | 1.8 |
| 400S-500E | 3180 | 113 | 4370.0 | 2950.0 | 19.6 | 82.0 | 2.1 |
| BL400S | 4370 | 158 | 3720.0 | 3620.0 | 23.4 | 84.3 | 2.0 |
| 400S-20W | 3360 | 170 | 3920.0 | 3460.0 | 23.0 | 91.0 | 2.0 |

Colin E. Dunn 10thMarch 2002

Table 1: Analytical data, as received from Actlabs
14th February 2002

| | N | Mean | Std. Dev. | Minimum | Percentiles | | | | | | | Maximum |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | *25* | *50* | *70* | *80* | *90* | *95* | *98* | |
| AS | 359 | 98 | 68 | 34 | 62 | 81 | 103 | 117 | 162 | 208 | 280 | 584 |
| AU | 359 | 0.08 | 0.13 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.14 | 0.22 | 0.35 | 2.29 |
| BA | 359 | 51199 | 13106 | 6320 | 43680 | 50800 | 57900 | 61500 | 67520 | 73100 | 78136 | 103000 |
| BE | 359 | 27 | 8 | 2 | 22 | 27 | 31 | 34 | 37 | 40 | 45 | 57 |
| BI | 359 | 0.25 | 0.03 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.56 |
| CD | 359 | 36 | 15 | 13 | 28 | 33 | 38 | 44 | 51 | 63 | 79 | 138 |
| CE | 359 | 6656 | 2112 | 750 | 5227 | 6615 | 7560 | 8280 | 9446 | 10140 | 11691 | 13900 |
| CL_SQ | 359 | 13529 | 11507 | 12500 | 12500 | 12500 | 12500 | 12500 | 12500 | 12500 | 12500 | 204000 |
| CO | 359 | 1879 | 578 | 143 | 1562 | 1908 | 2156 | 2320 | 2580 | 2774 | 2948 | 3880 |
| CR_SQ | 359 | 191 | 76 | 20 | 141 | 176 | 213 | 240 | 288 | 340 | 381 | 629 |
| CS | 359 | 6.1 | 3.4 | 1.0 | 3.8 | 5.3 | 6.7 | 8.0 | 10.6 | 13.9 | 16.7 | 20.4 |
| CU | 359 | 3201 | 5840 | 385 | 1880 | 2440 | 2960 | 3320 | 4040 | 5510 | 9348 | 88000 |
| DY | 359 | 736 | 189 | 110 | 641 | 735 | 803 | 853 | 949 | 1082 | 1169 | 1596 |
| ER | 359 | 435 | 108 | 62 | 379 | 435 | 476 | 507 | 560 | 609 | 693 | 877 |
| EU | 359 | 223 | 60 | 33 | 190 | 224 | 245 | 260 | 288 | 314 | 354 | 588 |
| GA | 359 | 68 | 14 | 14 | 61 | 68 | 75 | 79 | 85 | 88 | 92 | 105 |
| GD | 359 | 765 | 205 | 117 | 651 | 772 | 855 | 911 | 1016 | 1100 | 1227 | 1600 |
| Ge | 359 | 12 | 4 | 2 | 9 | 12 | 13 | 15 | 16 | 19 | 19 | 23 |
| HF | 359 | 74 | 23 | 5 | 63 | 76 | 85 | 92 | 100 | 110 | 117 | 148 |
| HG_SQ | 359 | 2.2 | 1.3 | 0.8 | 1.6 | 2.0 | 2.3 | 2.6 | 3.2 | 3.7 | 5.2 | 13.4 |
| HO | 359 | 147 | 37 | 22 | 128 | 147 | 162 | 169 | 190 | 210 | 228 | 314 |
| IN | 359 | 0.46 | 0.19 | 0.1 | 0.3 | 0.44 | 0.5 | 0.6 | 0.7 | 0.78 | 1 | 1.7 |
| LA | 359 | 2845 | 823 | 661 | 2410 | 2830 | 3120 | 3378 | 3730 | 4160 | 5092 | 7948 |
| LI_SQ | 359 | 143 | 100 | 11 | 109 | 130 | 145 | 159 | 191 | 211 | 316 | 1232 |
| LU | 359 | 63 | 14 | 12 | 55 | 63 | 68 | 72 | 79 | 87 | 103 | 119 |
| MN | 359 | 323441 | 114383 | 3556 | 254000 | 314000 | 370000 | 409479 | 473000 | 520499 | 581730 | 837200 |
| MO | 359 | 85 | 87 | 1 | 49 | 73 | 94 | 106 | 128 | 161 | 254 | 1154 |
| NB | 359 | 25 | 9 | 1 | 19 | 25 | 29 | 32 | 36 | 38 | 44 | 53 |
| ND | 359 | 4026 | 1029 | 782 | 3534 | 4050 | 4440 | 4782 | 5250 | 5859 | 6296 | 7812 |
| NI | 359 | 3958 | 1406 | 409 | 3040 | 3930 | 4660 | 5010 | 5660 | 6490 | 6934 | 8790 |
| OS | 359 | 0.05 | 0.02 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.11 | 0.14 | 0.24 |
| PB | 359 | 82 | 34 | 12 | 59 | 79 | 95 | 106 | 121 | 140 | 160 | 363 |
| PD | 359 | 1.29 | 0.74 | 0.5 | 0.5 | 1 | 2 | 2 | 2 | 2 | 3 | 4 |
| PR | 359 | 882 | 228 | 170 | 768 | 886 | 977 | 1046 | 1150 | 1273 | 1385 | 1783 |
| PT | 359 | 0.07 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.11 | 0.16 | 0.19 | 0.25 | 0.37 |
| RB | 359 | 242 | 91 | 64 | 184 | 229 | 278 | 305 | 365 | 416 | 487 | 561 |
| RE | 359 | 0.07 | 0.12 | 0.03 | 0.03 | 0.03 | 0.06 | 0.08 | 0.13 | 0.2 | 0.49 | 1.13 |
| RU | 359 | 0.12 | 0.09 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.28 | 0.4 | 1.41 |
| SB | 359 | 12.1 | 6.2 | 0.5 | 8.3 | 10.8 | 13.5 | 15.5 | 18.5 | 22.7 | 31.8 | 45.3 |
| SC_SQ | 359 | 354 | 91 | 101 | 293 | 355 | 403 | 431 | 472 | 503 | 552 | 603 |
| SE | 359 | 84 | 20 | 26 | 72 | 83 | 92 | 100 | 109 | 121 | 129 | 153 |
| SM | 359 | 899 | 235 | 136 | 774 | 911 | 996 | 1070 | 1163 | 1310 | 1412 | 1786 |
| SN | 359 | 15.5 | 32.8 | 5 | 5 | 5 | 5 | 14 | 31 | 67 | 121 | 390 |
| SR | 359 | 18130 | 10821 | 6689 | 12766 | 15200 | 17760 | 21120 | 26520 | 32880 | 65448 | 87600 |
| TA | 359 | 1.1 | 0.7 | 0.1 | 0.5 | 0.8 | 1.7 | 1.9 | 2.1 | 2.2 | 2.6 | 3.0 |
| TH | 359 | 268 | 73 | 46 | 227 | 265 | 297 | 318 | 348 | 391 | 457 | 594 |
| TI_SQ | 359 | 4784 | 1752 | 352 | 3490 | 4658 | 5560 | 6190 | 7130 | 7970 | 9024 | 10500 |
| TL | 359 | 5.9 | 5.0 | 0.25 | 3.2 | 4.6 | 6 | 8 | 10 | 14 | 22 | 52 |
| TM | 359 | 56 | 14 | 8 | 49 | 56 | 62 | 66 | 72 | 79 | 88 | 111 |
| U | 359 | 96 | 128 | 15 | 63 | 88 | 108 | 121 | 137 | 156 | 182 | 2410 |
| V | 359 | 739 | 275 | 232 | 577 | 680 | 811 | 868 | 1020 | 1242 | 1533 | 2768 |
| W | 359 | 19.3 | 4.9 | 5.0 | 17.0 | 19.0 | 21.1 | 22.8 | 25.0 | 27.0 | 30.8 | 39.0 |
| Y | 359 | 3590 | 872 | 507 | 3140 | 3640 | 3970 | 4180 | 4580 | 4990 | 5546 | 6630 |
| YB | 359 | 378 | 91 | 51 | 330 | 381 | 415 | 434 | 481 | 532 | 581 | 734 |
| ZN | 359 | 606 | 562 | 10 | 288 | 421 | 621 | 870 | 1290 | 1620 | 2288 | 3950 |
| ZR | 359 | 3394 | 1097 | 255 | 2670 | 3460 | 3969 | 4250 | 4750 | 5140 | 5517 | 6640 |



Table 3: Statistics by SPSS
Elements arranged alphabetically

# GM CLAIM GROUP - 92I/9W

# SELF - POTENTIAL SURVEY - 2001

## BY: Larry D. Lutjen

**SELF-POTENTIAL** voltages both positive and negative will occur over blind mineralized deposits as they form a galvanic cell from the interaction of ground water flowing through the mineralization. Potentials above the mineralized deposit are almost always negative with positive background potentials at the outer limits of the mineralized deposit. The level of these potentials are proportional to the thickness of the over-burden over the deposit and in the case of the GM Claims it is estimated to be 20 to 30 meters. A model for this type of deposit is a galvanic cell extending into the earth at an angle equivalent to the dip of the ore body, with an electrical negative voltage at the surface of the earth and a positive voltage at the bottom of the deposit. This cell will set-up galvanic currents from negative to positive with resultant surface expressions of negative voltages over the deposit and positive voltages on the flanks at distances proportional to the dip of the ore body. Several problems with measuring these voltages are telluric currents induced into the earth by the solar winds blowing off of the sun and the inability to get repeatable contact with the earth when measuring millivolt levels of voltages. To solve the telluric problem we used a common ground reference that we measured every morning and night and adjusted the telluric effects by normalizing the data as you would on a magnetometer survey. To solve the contact problem we used 15 to 20 centimeter holes to make contact with the earth and the ceramic pots. We would then measure the resistance of the contact and dig deeper and deeper until the resistance dropped to our reference value. Often times we had to dig multiple hole to make the correct contact. We have done many self-potential surveys, but this one was over the most over-burden that we have ever surveyed. The results were voltage potentials from minus 15 millivolts to plus 18 millivolts which made the survey most difficult at these low levels. Once the ceramic pots resistance was equal to or lower than our reference value we would take our millivolt readings on a Micronta auto-range digital voltmeter, serial number 16210, which proved to be very durable and dependable.

**SELF-POTENTIAL RESULTS** in figure 1 show a negative anomaly that runs for over 800 meters at an azimuth of approximately 300 degrees with flanking positive anomalies on either side. Between line 800 south and 900 south there appears to be some strike-slip faulting that I have approximated at 20 degrees. If this off-set is part of the original anomaly, it represents another 300 meters of extension to first 800 meters. The Cherry Creek Fault appears to run through the GM Claims at approximately 300 degrees, the same as the negative anomaly. With anomalous negative and positive voltages running off of the original grid it will be very important to expand the existing baseline and gridlines. The final results will come from the drill core, but preliminary results from the self-potential survey are very promising.

# GM CLAIM GROUP - 92I/9W

# TERRASOL SURVEY - 2002

## By: Larry D. Lutjen

**TERRASOL LEACH** selectively leaches the amorphous oxide coatings on soil grains by dissolving the manganese oxide amorphous coatings and most of the limonite. As a result, trapped trace elements are released into the leach solution. Copper and Moly (Cu/Mo) anomalies form strong terrasol halos around shallowly buried deposits, suggesting the presence of an underlying Cu/Mo porphyry.

In figure 1, Copper values of 3440 ppb to 88000 ppb in the terrasol leach form an anomalous zone paralleling the Cherry Creek Fault at approximately a 300 degree azimuth across 800 meters of grid lines. The data strongly suggests a potentially buried unexplored Co/Mo porphyry system, with structurally controlled mineralization radiating from the inferred porphyry that could underlie the GM Claims.

In figure 2 the Moly values of 100 to 1154 ppb in the terrasol leach also follow the Cherry Creek Fault system at approximately a 300 degree azimuth, the same as the copper anomalies. Additional Moly values form conjugate shear zones which appear to strike through the Cherry Creek Fault at azimuths of 20 to 60 degrees. The conjugate shears also appear to be off-set along strike-slips that trend northerly.

In figure 3 the Rhenium values of .05 to 1.13 ppb strike along the Cherry Creek Fault at 300 degrees. Rhenium is the ninth rarest element and often forms halos above the margins of a buried Cu/Mo porphyry. In addition there are several Rhenium anomalies that appear to be leakage in the conjugate shear zones.

In figure 4 the Thallium values of 10 to 52 ppb also strike with the Cherry Creek Fault at 300 degrees and the conjugate shears at 20 to 60 degrees. Thallium terrasol results suggest subsurface structural zones trending with the Cherry Creek Fault and the conjugate shears.

In figure 5 the Niobium values of 26 to 53 ppb in the terrasol leach also trend with the Cherry Creek Fault and the conjugate shears. Niobium halos also form around deep seated fault structures. The Niobium trends appear to represent structures that guided the flow of mineralized fluids out of the porphyry system.

In figure 6 the Palladium values from 2 to 4 ppb in the terrasol leach also shows a trend with the Cherry Creek Fault and the conjugate shears. The data strongly suggests that some of the Palladium values extend off of the grid lines and warrant further exploration.

**TERRASOL DATA** from the B-horizon soil samples from the GM Claims have yielded diagnostic signatures indicative of a blind Copper/Moly porphyry. Porphyry deposits are marked by their large scale zoned metal and alteration assemblages. Central parts of the mineralized zone appear to have higher Au/Cu ratios than the margins. The Copper Porphyry deposits are found mostly in the Triassic/Jurassic volcanic terranes and the presence of hydrothermally altered clasts in coarse pyroclastic deposits can be used to locate mineralized intrusive centers.

## GOLD MASK VENTURES LTD. ITEMIZED COST STATEMENT

## FOR PHASE ONE OF THE 2001 – 2002
## TWO PHASE MINERAL EXPLORATION PROGRAM ON THE GM CLAIMS

*September 28, 2001 to February 6, 2002*

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| | | |
|---|---|---|
| 1. | **Geologists Field Trip:** | |
| | Colin Dunn, Project Geologist, 1 Day | $ 680.00 |
| | Plus Vehicle Rental Expense | |
| | Air Fare | 578.66 |
| | Hotel | 97.18 |
| | Richard Lodmell, 1 Day | 250.00 |
| | Larry Lutjen, 1 Day | 250.00 |
| | 1 Truck (200 km) at $0.35 KM | 70.00 |
| | Meals (3 Man Days) at $30.00 Per Day | 90.00 |
| 2. | **Labour for Field Work:** | |
| | Preparation of 1.5 Km of Baseline and 15.5 Km of Grid Lines | |
| | Richard Lodmell, 5 Days at $250.00 Per Day | 1,250.00 |
| | Larry Lutjen, 5 Days at $250.00 Per Day | 1,250.00 |
| | Collection of 416 Terrasol Soil Samples of Uniform Color and Texture | |
| | Richard Lodmell, 9 Days at $250.00 Per Day | 2,250.00 |
| | Larry D. Lutjen, 8 Days at $250.00 Per Day | 2,000.00 |
| | Self-Potential Geophysical Survey | |
| | Richard Lodmell, 17 Days at $250.00 Per Day | 4,250.00 |
| | Larry D. Lutjen, 17 Days at $250.00 Per Day | 4,250.00 |
| 3. | **Transportation for Field Work**: | |
| | Richard Lodmell, 31 Days at 40 KM Per Day and $0.35 / KM | 434.00 |
| | Larry D. Lutjen, 30 Days at 200 Km Per Day and $0.35 / KM | 2,100.00 |
| 4. | **Meals for Field Days:** | |
| | Richard Lodmell, 31 Days at $30.00 Per Day | 930.00 |
| | Larry D. Lutjen, 30 Days at $30.00 Per Day | 900.00 |
| 5. | **Field Supplies and Shipping Costs:** | |
| | Bags, Boxes, Radios, Flagging, Hip Chain, Etc. | 853.74 |
| 6. | **Self-Potential Equipment Rental:** at $500.00 Per Month | 500.00 |
| 7. | **Terrasol Soil Sample Analysis:** | 11,381.59 |
| 8. | **Drafting of Plates 1 to 7 for 2 Days Per Plate (S.P. and Terraol Surveys):** at $250.00 Per Day – Larry D. Lutjen | 3,750.00 |
| 9. | **Interpretation and Report on Terrasol Survey:** For 8 Days Plus Costs By Dr. Collin Dunn | 5,211.00 |
| | **TOTAL OF EXPENDITURES ON THE GM CLAIMS TO FEBRUARY 6, 2002** | $43,326.17 |

February 6th, 2002

I, **RICHARD LODMELL**, of Box 1192, Kamloops, BC, V2C 6H3, state:

that I have received a Certificate for Industrial Records at Malaspia College, BC

that I have received a Statement of Course Completion in Mineral Exploration for Prospectors; and

that I have been active in Mineral Exploration in BC for over 20 years.

Richard Lodmell

# MALASPINA COLLEGE

## Statement of Course Completion

RICHARD LODMELL

has

Successfully Completed 180 Hours of Instruction

in

MINERAL EXPLORATION FOR PROSPECTORS

*PRESENTED BY B.C. MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES*
*B.C. MINISTRY OF EDUCATION*

*APRIL 16 to 30, 1983 - MESACHIE LAKE, B.C.*

MAY 2, 1983

Dated at Nanaimo,
British Columbia, Canada

Director / Dean

Registrar

Instructor

Malaspina College

February 6th, 2002

I, **LARRY D. LUTJEN**, of RR #1, Site 11, Box 12, Chase, BC, V0E 1M0, state:

that I have received a Degree in Electrical Engineering at the College of San Mateo, California;

that I have received a Statement of Course Completion in Mineral Exploration for Prospectors; and

that I have been active in Mineral Exploration in BC for over 20 years.

Larry D. Lutjen

# MALASPINA COLLEGE

## Statement of Course Completion

LARRY D. LUTJEN

has

Successfully Completed 180 Hours of Instruction

in

MINERAL EXPLORATION FOR PROSPECTORS

*PRESENTED BY B.C. MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES*
*B.C. MINISTRY OF EDUCATION*

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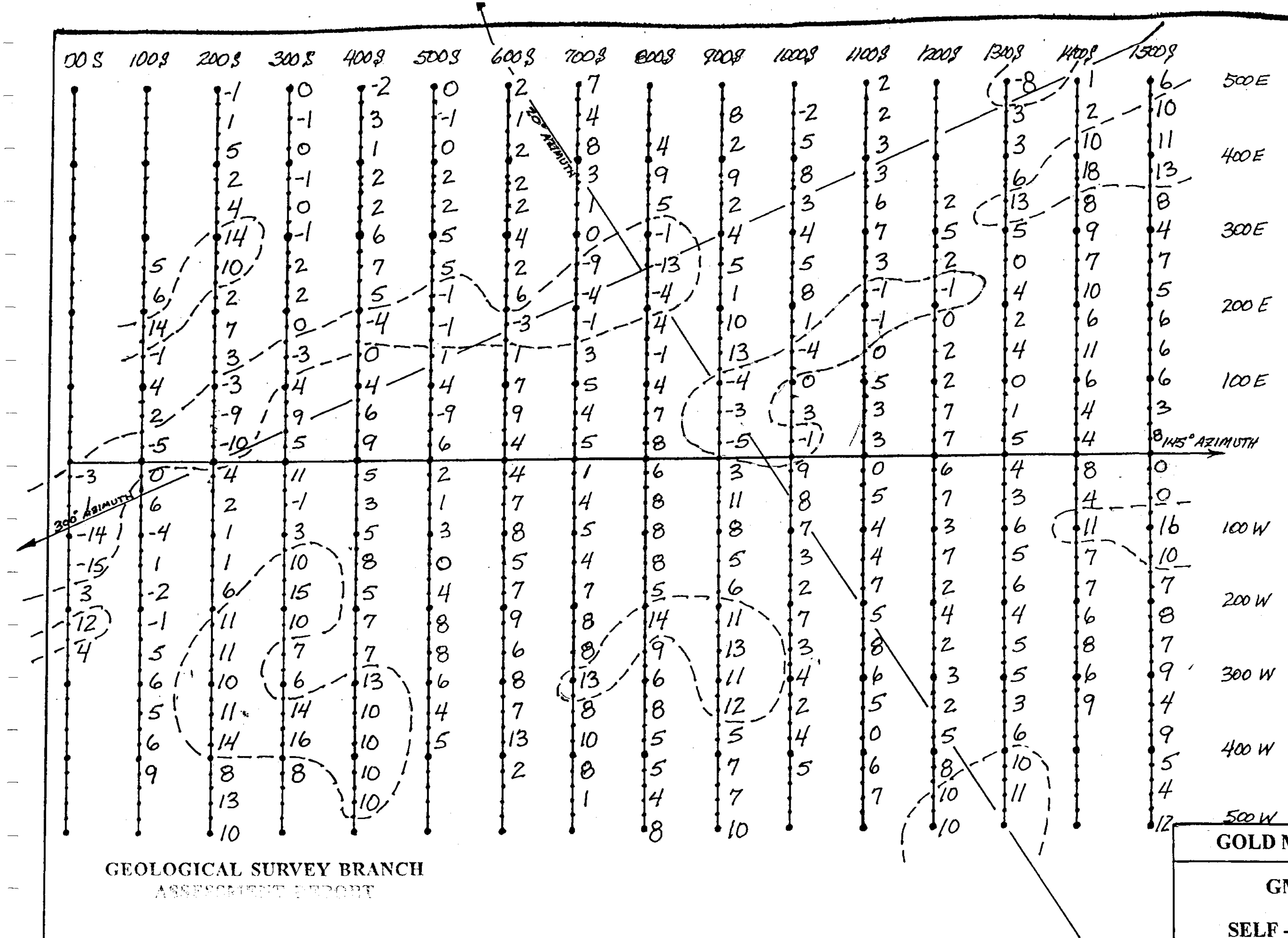
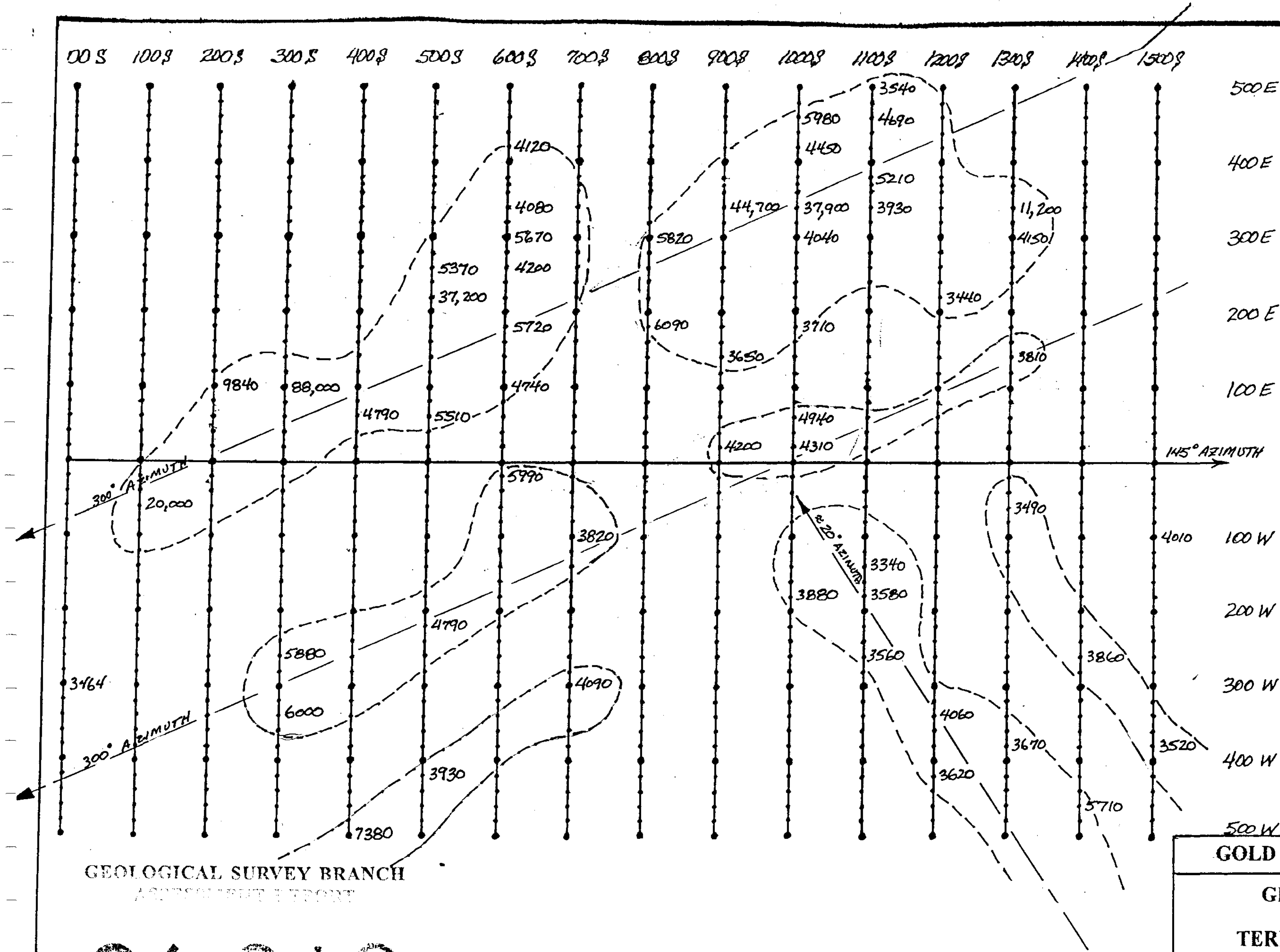


GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

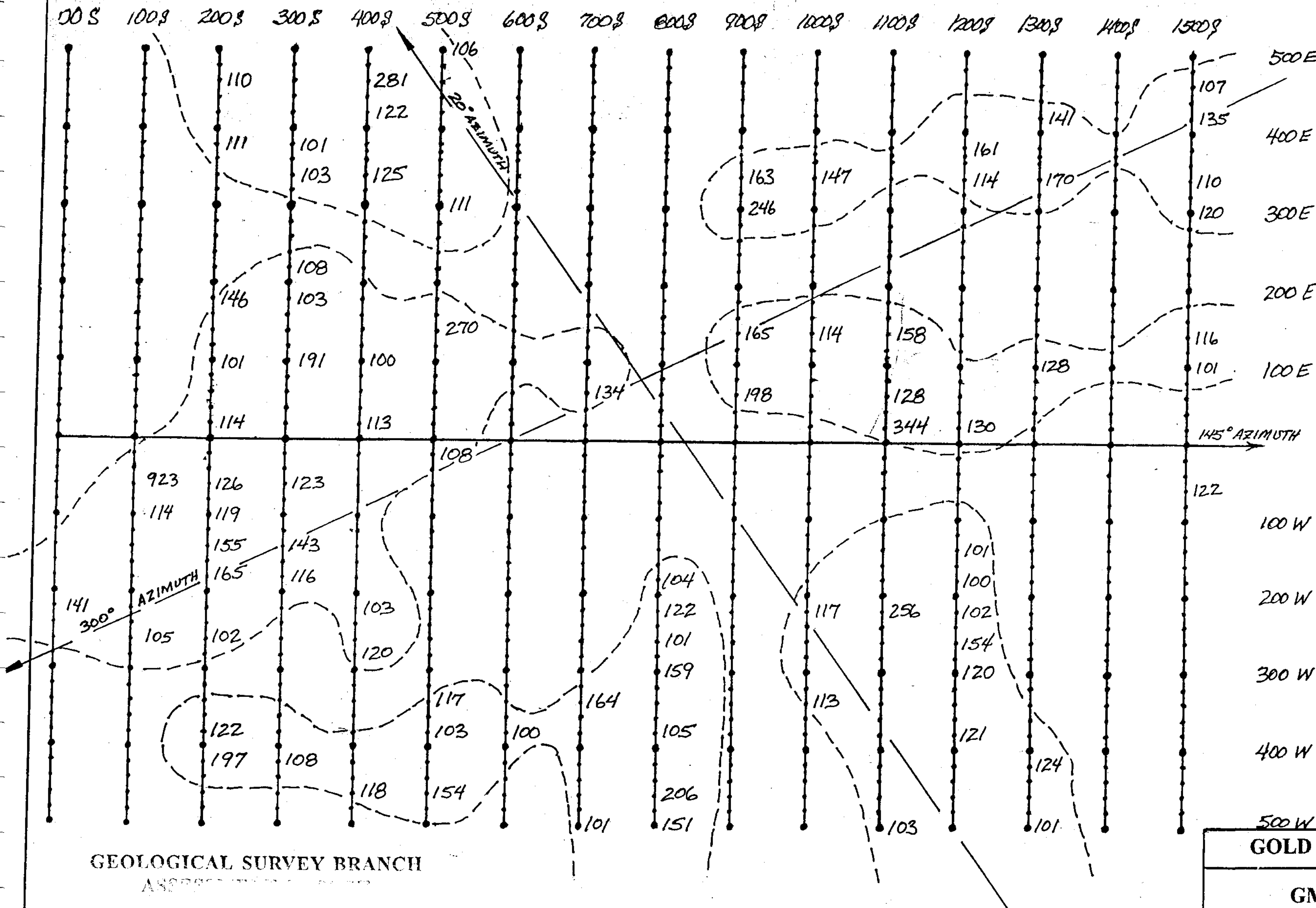
26,848a

| GOLD MASK VENTURES LTD. | | |
|---|---|---|
| GM CLAIM GROUP | | |
| SELF - POTENTIAL SURVEY | | |
| 92I/9W | Kamloops M.D. | February 2002 |
| Drawn: L.D.L. | Scale 1:5,000 | Figure 1 |






| GOLD MASK VENTURES LTD. | | |
|---|---|---|
| GM CLAIM GROUP<br>TERRASOL SURVEY - Cu | | |
| 92I/9W | Kamloops M.D. | February 2002 |
| Drawn: L.D.L. | Scale 1:5,000 | Figure 1 |



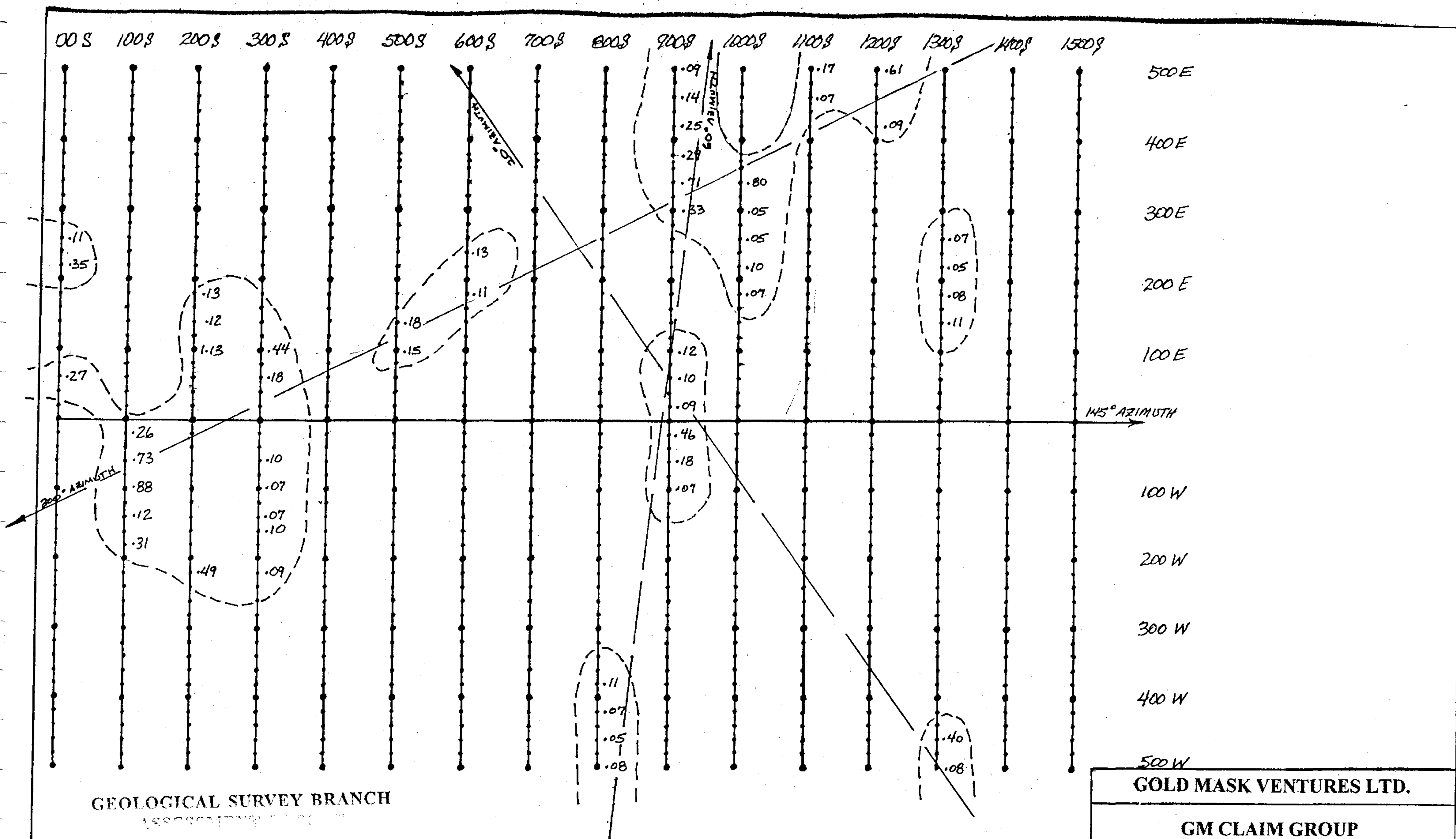



**GOLD MASK VENTURES LTD.**

**GM CLAIM GROUP**

**TERRASOL SURVEY - Mo**

| | | |
|---|---|---|
| 92I/9W | Kamloops M.D. | February 2002 |
| Drawn: L.D.L. | Scale 1:5,000 | Figure 2 |




GEOLOGICAL SURVEY BRANCH

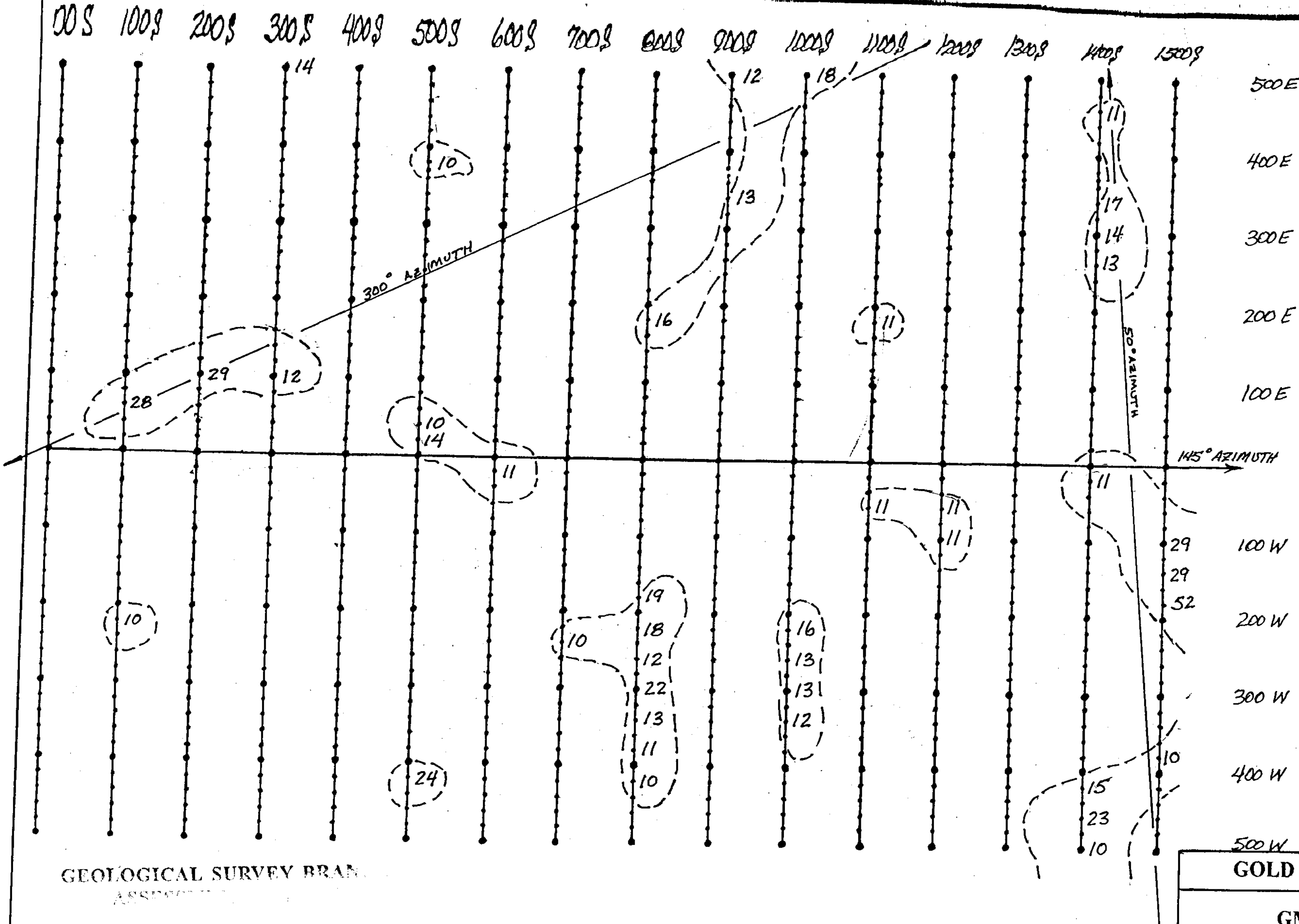
26,848 d

## GOLD MASK VENTURES LTD.

### GM CLAIM GROUP

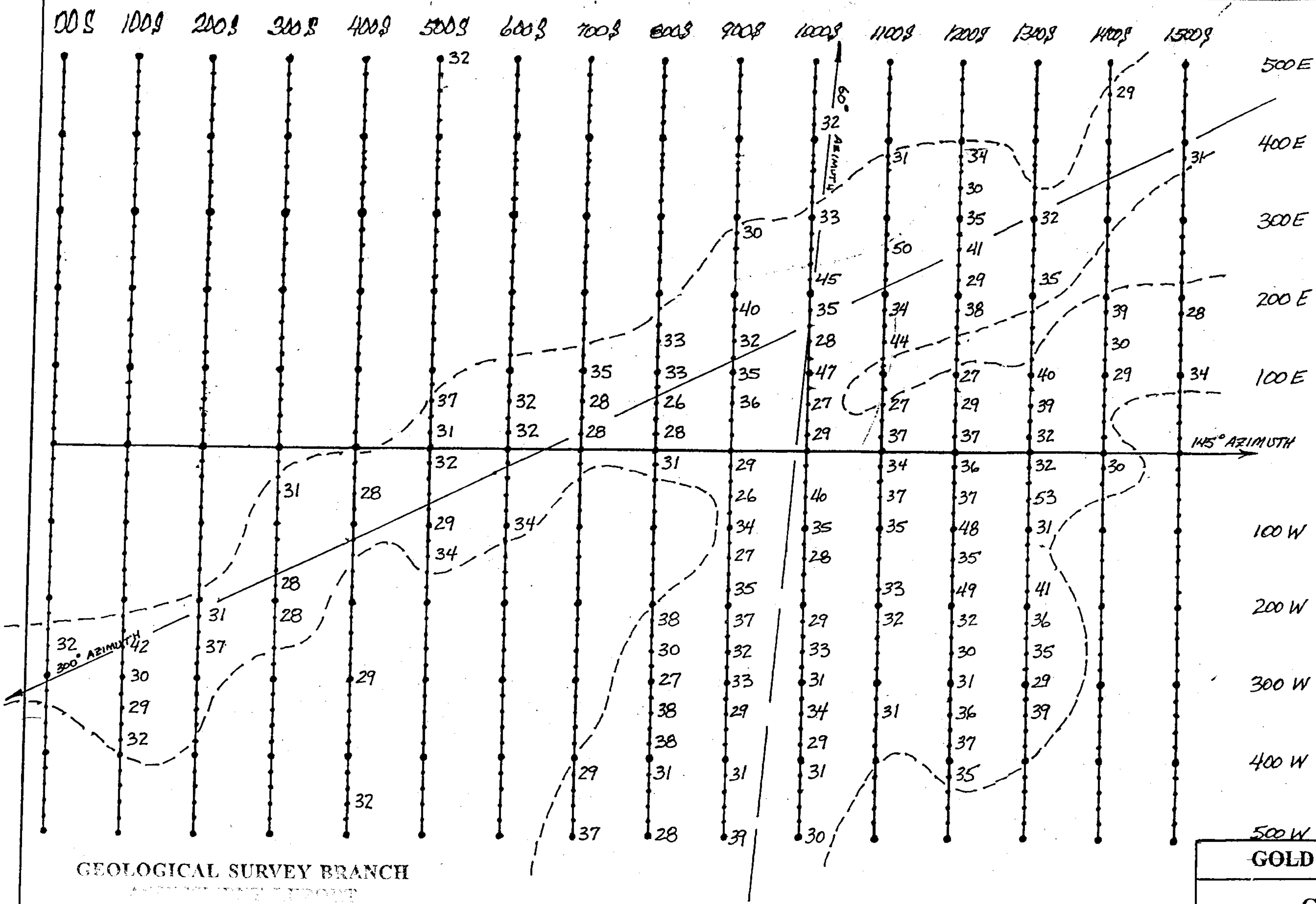
### TERRASOL SURVEY - Re

| | | |
|---|---|---|
| 92I/9W | Kamloops M.D. | February 2002 |
| Drawn: L.D.L. | Scale 1:5,000 | Figure 3 |



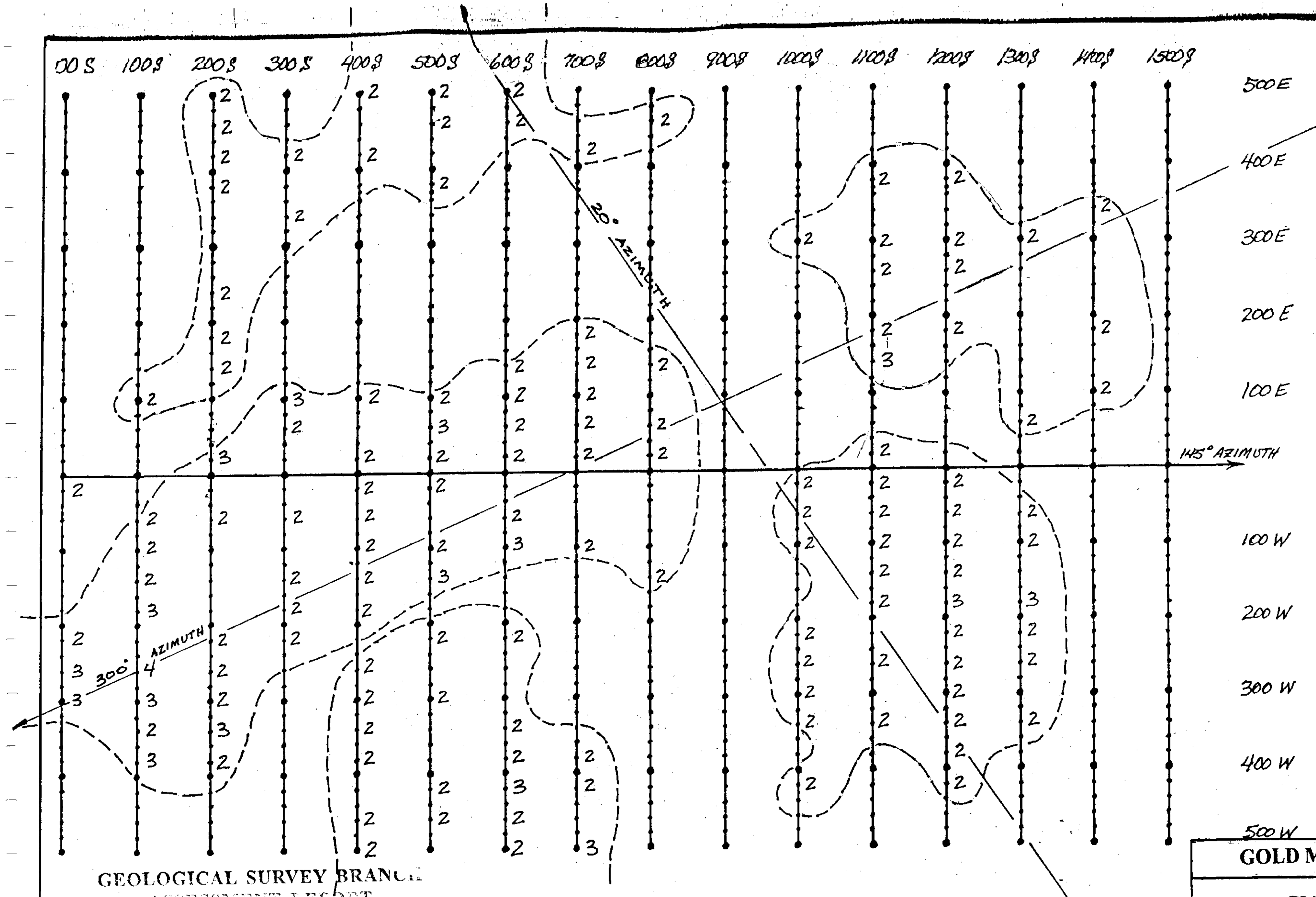



| GOLD MASK VENTURES LTD. | | |
|---|---|---|
| GM CLAIM GROUP | | |
| TERRASOL SURVEY - TI | | |
| 92I/9W | Kamloops M.D. | February 2002 |
| Drawn: L.D.L. | Scale 1:5,000 | Figure 4 |






| GOLD MASK VENTURES LTD. | | |
|---|---|---|
| GM CLAIM GROUP<br>TERRASOL SURVEY - Nb | | |
| 92I/9W | Kamloops M.D. | February 2002 |
| Drawn: L.D.L. | Scale 1:5,000 | Figure 5 |




**GOLD MASK VENTURES LTD.**

**GM CLAIM GROUP**

**TERRASOL SURVEY - Pd**

| | | |
|---|---|---|
| 92I/9W | Kamloops M.D. | February 2002 |
| Drawn: L.D.L. | Scale 1:5,000 | Figure 6 |