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**BAYMAG INC.**

*2004 GEOLOGICAL REPORT*

## **BLASTHOLE ANALYSIS**

- Consisted of the assaying of air-track percussion holes located in the upper and lower pit area of Mining Lease M31.

## **GOLDEN MINING DIVISION**

**NTS 82 J/13 @ 562700 N, 593000 E**

**LATITUDE 50 47' N    LONGITUDE 115 41' W**

**CLAIMS OWNED BY: Baymag Inc**

**AUTHORS: Chris Pilarski & John Goodman**

**DATE SUBMITTED: December 9, 2004**

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# 1 INTRODUCTION

## 1.1 Location and Access

The Mt. Brussilof Magnesite Mine is located within Mining Lease M31, immediately north of the confluence of the Mitchell River and Assiniboine Creek approximately 35 km north-east of Radium Hot Springs in the East Kootenay District of British Columbia (See Figure 1 Location Map). The property is crossed by latitude 50°47'N and longitude 115° 41'W.

Access to the mine site is by Provincial Highway 93 to Settlers Road in Kootenay National Park. Settlers Road leads south/southeast along the valley of the Kootenay River. At a distance of 12 kilometres, the Palliser road turns east off Settlers Road to the 14 km mark. There the Cross River begins trending northeast along the south side of the Cross River Valley to the 32 km mark. The Mitchell River road turns northward toward the mine at the 38 km mark. (See Figure 1 Location Map)

The gravel road that is maintained year round by Baymag is 38 km in length from the highway to the mine site.

## 1.2 Previous Work

The current property is comprised of 461 contiguous claims in the Golden Mining Division (See Figure 2 Regional Geology & Claim Map)

G.B. Leech of the Geological Survey of Canada, who was conducting in 1966 mapping program in the area, first discovered the magnesite occurrence. Rock samples collected during the program upon chemical assaying showed high contents of MgO. The content was consistently reaching or exceeding 97% MgO level. Because of the Leech report, New Jersey Zinc Exploration Canada Ltd. staked the area and conducted a mapping and diamond drill program. Imperial Oil Enterprises also investigated the area but no additional work was performed. Baykal Minerals Ltd. conducted a mapping program in 1969, which resulted in acquisition of additional claims to bring the total to 278. Baykal Minerals arranged with New Jersey Zinc Exploration Canada Ltd. to conduct mining on their claims.

Following the completion of fieldwork in 1969 to 1970, which included diamond-drilling programs, Acres Western Limited of Vancouver completed a production feasibility report for Baykal Minerals Ltd.

During 1971 Brussilof Resources Limited and Baykal Minerals Ltd. amalgamated to form Baymag Mines Co. Limited.

The property was optioned to Canadian Exploration Limited (CANEX) in 1972. CANEX conducted a field orientation program that included 2819.4 meters of diamond drilling to bring the total length then drilled on the property to 5,255 meters. Geological mapping of specific areas was also completed.

In 1975, a 250 mt. bulk sample was shipped to Refratechnik, a major German producer of refractory products, which showed interest in securing a raw material source. Crushed material was then forwarded to the research and manufacturing companies of KHD, Lorgi and Polysius for research into developing a modern technology for calcining and dead-burning Mt. Brussilof type ore.

In 1979 Baymag Mines Co. Limited - a subsidiary of Refratechnik GmbH of West Germany - contracted Techman and Kilborn Engineering (B.C.) Ltd to re-evaluate the feasibility of bringing the magnesite deposit into production. The evaluation involved surveys, 130 meters of percussion drilling, 75 meters of shallow diamond drilling and bulk sample extraction. A 100 tonne sample of magnesite was extracted from a site on Rok 17 (now mine lease M31) and shipped to a crusher to be reduced to a minus 10 mm mesh. The crushed sample was then shipped to Nichols Engineering and Research in New Jersey to be dead burnt. The dead burnt material was briquetted for further testing. In 1981, Baymag entered into a contractual agreement with John Wolfe Construction Co. Ltd to operate the mine and to be responsible for ore supply to the production plant at Exshaw, Alberta, a facility leased from Canada Cement Lafarge.

During 1984, eight exploration holes totalling a length of 731.5 meters of diamond drilling was completed on the Rok 17 claim. The core was descriptively logged, sampled and assayed.

A major exploration program was conducted in 1987, the purpose of which was to investigate the extension of the known magnesite deposit up-slope from the current pit development and further delineate and evaluate the quality and quantity of the ore in the immediate vicinity of the active mining operations. Thirty-four diamond drill holes totalling 2707 meters were drilled, logged, sampled and assayed.

A smaller exploration program was conducted in 1989 in two areas of the claim block. In the area proximal to the current mine development, the goal was to further delineate and evaluate the quality and quantity of ore immediately north of the known reserves. Fifteen shallow diamond drill holes totalling 273 meters were drilled, logged, sampled and assayed. The other area of interest was near the confluence of the Cross and Mitchell Rivers on the southern Vano claims (now Bay 19 & 21 claims). Ten shallow diamond drill holes totalling 110 meters were drilled, logged, sampled and assayed.

The following year Baymag acquired new ground up the Alcanterra, Assiniboine and Aurora Creeks bringing the total number of claims to 461 units.

A small, percussion drilling program was conducted in 1990 with the goal of delineating zones of contamination near the little explored upper pit area. A total of 370 meters was drilled, sampled and assayed. It became evident that these localized contamination zones greatly influence the direction of pit development. Future drill and assay programs will be targeted toward these structures.

Eight shallow percussion holes were drilled in the summer of 1991 to further delineate the zones of contamination in the north section of the upper pit. A total of 166 m were drilled, logged and assayed.

A diamond-drilling program consisting of 16 holes was drilled in the summer of 1992. A total of 950 m was drilled, concentrated in an area immediately north of the upper pit. The program hoped to delineate new reserves and determine future pit development.

A small exploration program was conducted in 1993 on the Bay-21 claim. Three diamond drill holes totalling 182 meters were drilled, logged, sampled and assayed.

At the end of the 1993 exploration program, a total of 27 percussion holes and 145 diamond drill holes had been drilled on the property. This brings the total length diamond drilled to 10,280 meters and total percussion drilling to 500 meters.

Commercial scale mining started in the second quarter of 1982 and has increased dramatically since then. The Baymag Mine is an open pit operation, which is run year round and currently produces 200,000 m.t.p.y. of high quality magnesite ore.

### **1.3 Geological Summary of Orebody**

The genesis of the deposit is thought to be as mineralogical replacement or molecular substitution. As such, the process occurred when a fine-grained dolomite  $\text{Ca Mg}(\text{CO}_3)_2$  was substituted by a coarse-crystalline magnesite  $\text{MgCO}_3$ . When taking place in geological past, the replacement likely included several phases of progressive influx of magnesium (Mg) into existed dolomite sediment.

On the molecular basis, the incursion resulted in a near complete removal of  $\text{Ca}^{+2}$  from chemical structure of the sediment and a fill up of available vacancies with  $\text{Mg}^{+2}$ . The above chemical process was accompanied by a textural transformation, where original fine-grained layout of dolomite molecules was transposed into coarse-crystalline texture of newly formed magnesite.

When viewed on a large scale the deposit is a relatively homogenous, high-grade orebody. Its appearance is well defined by a white to light-grey colour and remarkably evident crystalline texture of the magnesite rock.

Closer examination, predominantly by chemical analysis, have identified that broad irregular zones of contaminants occur through such forms as veining, in-filling of fractures and within the magnesite matrix itself. The value of these contaminants and the form in which they occur play a key role in determining whether the material is considered as ore or waste.

The components of vein material are generally fine-grained pyrite and/or aphanitic white dolomite. Veins occur as irregularly oriented structures with individual veins swelling to thickness of 10 cm and pinching out to nothing. Some veins, especially pyrite, tend to form in swarms covering areas tens of meters wide.

In-filling of fractures occurs in thickness up to 5 cm and generally occurs as a light brown silty clay material, aphanitic white dolomite or as pyrite. Minor occurrences of palygorskite can sometimes be seen coating fracture walls. The fractures are generally narrow elongated curvy-planar structures with local deviations of strike and dip. An invisible chemical halo often brackets the more visible fracture. These halos pinch and swell in a similar manner as veining but on a larger scale.

The interstitial or in-matrix contaminants are comprised of thin coatings of calcite or dolomite between magnesite crystals or as a simple Ca ion exchange within the crystal lattice itself. This form of contamination is the broadest form, covering areas as wide as 100 meters. With sufficient drilling, these areas can now be generally classified in the complimentary and marginal ore types, as contaminant values are usually less than occur in the other forms of contamination.

The competitive market and specific end uses of magnesite, place a great importance on the chemical specification of the product. Somewhat unique to industrial minerals and magnesite in particular is the requirement of continually meeting a set grade specification without receiving any bonus for surpassing it. Material under spec on the other hand, has a very sharp value cut-off and is essentially valueless mere tenths of a percent below spec. Most, if not all naturally occurring deposits rarely conform to such strict boundaries (e.g. some material within the deposit is above spec, some right at spec and some below.) As a result, before mining can be contemplated, a complex and feasible sequence of blending ore quality and ore type has to be determined. The Brussilof deposit is fortunate in this respect in that chemical analysis of the ore-body has confirmed that some inverse grade relationships exist. For example, when the ore has iron values above spec the calcium values are often consistently below spec and vice versa. Other similar relationships exist with other element pairs to a lesser degree. Baymag has initiated a complementary ore pile strategy in order to capitalize on this characteristic. Complimentary materials from different blasts are routinely blended together to achieve a uniform product exactly at the spec level thereby optimizing usage of the deposit. (A high iron, low calcium blast, which by itself would be waste, is blended with a low iron, high calcium which, again by itself would be waste, resulting in on-spec ore; in other words the right waste with its correct complimentary waste results in ore)

Data from blast-hole assaying in areas of broad contamination enable quality control to design blending scenarios, which result in the selective sorting and subsequent salvage of material otherwise destined for the waste dump.

The varying nature of the joint orientation (dip and direction), as well as change in mineral content, the halo effect and the lack of visibility in the floor have made the reliance on chemical analysis crucial.

## **2 DETAILED TECHNICAL DATA AND INTERPRETATION**

### **2.1 Purpose**

The main objectives of the blast hole analysis program are:

- To evaluate and model current blast-hole rounds and thereby assist quality control at the mine
- To use collated blast holes by benches to aid in future development decisions

### **2.2 Methodology**

Blastholes are set out in a square grid pattern of 3.66 x 3.66 meters. A Tamrock 700 percussion drill is utilized to bore vertical holes of 6 m in depth and 10 cm in diameter. The depth of the holes is

equivalent to the height of the production benches. After completion of drilling, the pattern is surveyed so that the location of blast-holes is known accurately. On average about 40 to 50 blastholes constitute a round or blast.

In the course of the drilling, formation of rock chips and cuttings are generated at the contact between the rock and a rotating drill bit. The cuttings are removed from the bottom of the blast hole via compressed air, which conveys them to the surface of the bench.

On the surface a portion of the cuttings - about 1 to 1.5 kg in weight - is collected as a sample. The sample is deposited in a plastic bag and tagged with a four-digit sample number.

Two samples are taken from each individual blast hole. The first one represents a 3 m section of the hole depth from the surface to the mid-bench elevation. The second one stands for an identical length interval from the mid-bench down to the bench toe elevation.

Approximately 80 to 100 samples are generated daily from each blast hole round. They are gathered and taken to the Baymag Lab for chemical analysis. The samples are analysed for MgO content and four other prominent contaminating elements found in the deposit: CaO, Fe<sub>2</sub>O<sub>3</sub>, Al<sub>2</sub>O<sub>3</sub> and SiO<sub>2</sub>.

Chemical assays obtained as a result of the analysis are merged with their associated survey locations and entered in the blast hole module database. The database becomes a basis for resource and grade calculations, statistical analysis, 3-dimension block modelling and interpretation of chemical, mineral and geological zones.

The chemical assays are interpreted in several stages. They are first used as the primary database for modelling their associated rounds. The rounds are computer modelled with the assays being utilized in the modelling process by geostatistical inverse distance weighting or kriging techniques. Linear features and zones of contamination can generally be seen in the pattern as the result of modelling. This information is passed to quality control at the mine to assist in ore extraction.

The assays are also used later on a much larger scale. All assays belonging to a single bench are plotted together in one amalgamated bench map similar to Figure 6 Sample Location Map – Bench 1414 North, but containing each of the element values (Ca, Fe...) rather than sample numbers. The plot may consist of up to 100 separate rounds. These blast hole bench plans help in predicting what the next bench below might bring and how best to plan its extraction. Mining geologists also keep a record of linear and zoned structures like fractures, faults and lenses. This is important, as these features are very difficult if not impossible to be visually discerned on the pit floor. The feature's trend and co-ordinates can be ascertained from these plans and entered into a survey instrument and its position marked accurately in the field.

### 2.3 Data

A total of 3319 blasthole samples were collected and analysed from the Upper and Lower Pit areas of Mining Lease M31. Sampling took place between October 1, 2003 and September 10, 2004. Production benches 34, 45 and 46 representing elevations of 1414, 1348 and 1342 meters were the primary resource areas of the sampling.

The sample assays provided chemical data regarding subsurface conditions covering a total area of 22,300 m<sup>2</sup> on the above benches. In the course of ore mining, the area generated cumulative tonnage of 401,400 mt. This material, based on chemical composition defined by the blasthole assays, was consequently classified to one of six quality categories: ore grade 1, ore grade 2, bendable ore, sort-able ore, sort-able waste and bulk waste.

The sample location maps are provided to show the exact location from which the cuttings were obtained (See Figure 6 Sample Location Map – Bench 1414 North through Figure 9 Sample Location Map – Bench 1342). Sample information includes: sample number, unit number, easting, northing, elevation as well as grade values for MgO, CaO, Fe<sub>2</sub>O<sub>3</sub>, Al<sub>2</sub>O<sub>3</sub> and SiO<sub>2</sub> all expressed in percents. (See Figure 5 Geological Interpretation Map - 1342 Bench)

## 2.4 Interpretation

In the following interpretation, the blasthole data is used as a primary source of information. The data is interpreted from its strictly chemical and thus numeric form into a more descriptive geological and mining format. As such, the interpretation highlights the fundamental role that the blasthole assays play in accurate recognition of various chemical and mineralogical zones of the deposit. In turn, the precise identification of the deposit structure constitutes a starting point for effective production and mine development planning.

### 2.4.1 BENCH 1414

In total, 1823 blasthole assays were collected from the bench (See Figure 6 Sample Location Map – Bench 1414 North and Figure 7 Sample Location Map – Bench 1414 South). The assays represents an area of 12,026 m<sup>2</sup> from which a tonnage of 216 468 mt was extracted.

The blasthole assays, in general, show complex chemical and geological conditions encountered on the bench when drilling, sampling and successive mining proceeded. Numerous chemical and geological zones of distinctly different contents of MgO, CaO, Fe<sub>2</sub>O<sub>3</sub>, Al<sub>2</sub>O<sub>3</sub> and SiO<sub>2</sub> have been identified by the blastholes (See Figure 3 Geological Interpretation Map - 1414 Bench).

Two major zones of high CaO contamination (Ca-1 and Ca-2) have been recognized in the central and westernmost part of the bench. Even though CaO assays in both zones are reported within consistent range of 4% to 10%, the contamination appears to result from different geological factors.

The central zone (Ca-1), of longitudinal north-south orientation, is a major joint. The joint, classified as 929, slices the bench over a significant pit distance of 200 m while striking at 10° and dipping vertically. As such, the joint constitutes not only a major in-pit waste zone but also an important tectonic structure, along which dislocation of rock masses occurred in the past. Many slickensides – polished planes with linear grooves and ridges parallel to the direction of movement – found on the joint faces confirm such hypothesis. Because the joint consists of several closely spaced parallel fractures, its average width of 4 m to 6 m is significantly larger than the width of many other joints in the pit. Typical in-fill material found between the fractures and hence a primary contaminating mineral consists of light-brown clay and rusty, sand-like oxidized iron, residue of decomposed mineral pyrite FeS<sub>2</sub>. Frequently, white fine-grained dolomite is observed on opposite walls of the fractures. Large dimension, linear orientation and central location of the zone have been perfectly delineated by the blasthole assays. Field mapping and mining have ultimately confirmed the presence and geological set up of the structure.

As part of the zone other joints of mainly east west strike and variable dips are identified by the cuttings as well.

Three parallel joints 907, 988 and 908 slice the central part of the bench at azimuths of 80° to 90°. The joints are clearly visible on the pit high walls where they appear as 3 to 5 cm wide fractures of dark-brown colour. The colour results from clay, the most common infilling material universally occurring in cavities, vugs and fractures.

Conversely, closely spaced and almost parallel joints 917 and 918 show a consistent width of 3 to 5 cm along their observable lengths. White, fine-grained dolomite, that tightly seals once open space between the joints walls, is the mineral that causes the assays to fall into waste range of 4% - 8% CaO.

Rock material of sector Ca-2, even though showing typical features of good quality ore (fully developed crystalline texture, large size crystals, light-grey colour and no reaction with HCl), is identified by the cuttings as waste. White dolomite crystals, embedded and dispersed in the magnesite matrix, raise the sector's CaO content beyond an acceptable level of 2.2%, the upper limit of ore category. The crystals occur as easily discernable spots on the pits' open faces. Unlike the grey colour and medium crystalline texture of the matrix, the dolomite displays white coloration and mega-size texture, where individual crystals reach diameter of 2 to 5 cm. The crystals, large as they are, have a tendency to amalgamate together and form clusters of 1m in size or even larger.



In other calcium zones of the bench, Ca-3 and Ca-4, the volume of the CaO is reported in relatively acceptable amount. Although some blasthole readings occasionally show calcium content reaching 3.00% - 5.00%, a vast majority of the results fall into much narrower range of 1.80% and 2.20%. While the ore of this range is perfectly suited for production of grade 1, grade 2 or even high-grade product, material of higher calcium contamination from 2.20% up to but not exceeding 3.00% level can be processed as blendable or sortable ore category.

In the above and similar cases, the blasthole analysis is indispensable in determining chemical differences between diverse ore grades and thus in defining their appropriate processing methods.

The northeast section of Ca-2 zone partially overlaps area Si-1. The chemical composition of the latter does not assure adequate ore quality due to the high silica ( $\text{SiO}_2$ ) contamination it contains. The blasthole assays of the zone are reported to be within a consistent range of 1% to 3%  $\text{SiO}_2$ , whereas in the direct vicinity, the contamination level drops well below 0.5%. Quartz and phlogopite have been visually identified as the main contributing minerals causing unacceptable chemical make-up of the area.

Because a similar range of chemical data along with identical mineral inventory has been found in Si-2 zone, this zone as well has been classified as a waste area from which no usable material could be obtained.

On the contrary, rock from zone Si-3 of rather small size and lenticular shape represents a type of material that, in spite of elevated  $\text{SiO}_2$  contents hovering around 1%, can be used in ore production as a blendable component.

Iron oxide  $\text{Fe}_2\text{O}_3$ , the second most important impurity compound of the ore beside CaO, is commonly present on the bench in a variety of mineral forms. In general, this component is either integrated in molecular structure of magnesite (background iron), or more frequently, it forms separate mineral phases: iron sulphide or pyrite  $\text{FeS}_2$  and hydrous iron oxide or limonite  $\text{FeO}(\text{OH}) \cdot n\text{H}_2\text{O}$ .

In the researched part of bench 34, the blasthole analysis has identified a number of iron zones of with diverse chemical and mineralogical characteristics

In the south section of the bench, a large zone Fe-1 of iron waste is precisely pinpointed by the cuttings. The zone encompasses an abundant pyrite ( $\text{FeS}_2$ ) mineralization that crops out in the form of densely spaced veins and clusters of irregular shape and size. This weighty pyrite concentration is the cause why the cuttings exceed, by a significant margin, the maximum allowed iron specification of 0.80%  $\text{Fe}_2\text{O}_3$ . In fact, the extreme range of 2.0% - 3.0%  $\text{Fe}_2\text{O}_3$ , into which the majority of the zone readings belong, indicates the material is beyond any use or quality upgrading.

However, in all other zones of the bench Fe-2, Fe-3, Fe-4, Fe-5, Fe-6, Fe-7 and Fe-8, a typical iron content, as determined by the assays, oscillates between 0.60% - 0.90%  $\text{Fe}_2\text{O}_3$ . In practical term, it means that the background and oxidize iron are prevailing forms of  $\text{Fe}_2\text{O}_3$  contamination rather than pyrite. As the result, production output of blendable ore from those zones is high. Moreover, by application of intense materials mixing, as part of the complementary ore grades plan, it is possible to bring the above iron ranges down to the required levels of 0.55%  $\text{Fe}_2\text{O}_3$  of grade 1 and 0.80%  $\text{Fe}_2\text{O}_3$  of grade 2 ore.

#### 2.4.2 BENCH 1348

A total of 655 blasthole assays have been derived from the bench area of 4,359  $\text{m}^2$  (See Figure 8 Sample Location Map - Bench 1348).

Similar to bench 1414, where the central part is occupied by joint 929, on the subjected elevation joint 124 is in the corresponding location (See Figure 4 Geological Interpretation Map - 1348 Bench), clearly delineated by the assays.

While consisting of only one well-defined fracture, joint 124 strikes northeast-southwest dipping at an angle of  $80^\circ$  northwest. Calcareous clay makes up the majority of the joints' infill. Volumetric amount of the infill is relatively small due to the undersized width of the fracture that in the widest sections rarely

exceeds 1.5 cm. Despite this fact, far reaching and directly adjacent to the fracture area along its length shows extremely high calcium analyses (up to 12.06% CaO) in the rock material that optically does not differ from ordinary good quality ore.

It appears that chemical leaching of CaO from the clay, has likely supplied a substantial amount of intermolecular CaO into the bordering material, creating type of a halo zone. The zone, as being highly saturated with CaO, qualitatively turns out to be unusable even though its visual appearance hints otherwise.

Again, it is in situations like the one above, when application and effectiveness of the blasthole analysis reveals its full potential in helping to distinguish main chemical variations between materials of similar or identical look.

In addition to Ca-1 zone, on the remaining part of the bench, the blastholes indicate as well two iron waste sectors Fe-1, Fe-2, and one sector of silica Si-1.

Mineral pyrite  $\text{FeS}_2$ , occurring in a profuse number of disseminated veins and clusters, is the prevailing contaminant of the above waste zones. While the veins and clusters appear to slice them in a random manner, their overall size along the length, width and diameter is unsystematic and thus unpredictable. This type of pyrite occurrence results in the blasthole values being determined within a consistent range of 1.20% to 1.90%  $\text{Fe}_2\text{O}_3$ , whereby some readings reach such extreme values as 3.06%  $\text{Fe}_2\text{O}_3$ .

A mixture of silica ( $\text{SiO}_2$ ) mineral, like illite, montmorillonite and kaolinite have been optically noticed as small white spots uniformly dispersed throughout the zone Si-1. However, unlike the quartz and phlogopite of bench 34, which when present in the ore almost automatically make it a quality reject, the above minerals affect the material they are part of to a lesser degree.

In fact, the silica contamination of zone Si-1, as defined by the chemical assays, is considered to be of moderate and hence blendable level. Even more, since the other two chemical components of the zone CaO and  $\text{Fe}_2\text{O}_3$ , are detected in remarkably low amounts, such material is of complementary value for other ore types whose elevated CaO and  $\text{Fe}_2\text{O}_3$  contents have to be reduced.

The vast remaining part of the bench is represented by inconsistent but usually blendable or, sortable iron contamination that spreads throughout zones Fe-3, Fe-4 and Fe-5. Among the blasthole readings from those zones, the lowest marks are reported as 0.60%, while the highest rarely exceed 1.00%  $\text{Fe}_2\text{O}_3$ . High participation of iron oxide rather than pyrite contributes remarkably in the fact that even though elevated, the  $\text{Fe}_2\text{O}_3$  contamination is totally controllable, and as such adds in the overall very ore output from the zones.

In general, the importance of the blasthole analysis, as in the above cases, is grounded on the accurate chemical data that the method provides regarding various complementary ore types. Subsequently, the data is used for calculation of the most feasible mixing ratio to generate the final product of high grade and homogenous quality.

#### 2.4.3 BENCH 1342

An extensive spread of exceptionally good ore throughout 5,915  $\text{m}^2$  of the bench area is well documented by 841 blasthole assays (See Figure 5 Geological Interpretation Map - 1342 Bench and Figure 9 Sample Location Map - Bench 1342). The assays are grouped in several areas Ca-2, Ca-3, Ca-4, Ca-5, Ca-6 and Ca-7 where they stand mainly for grade 1 ore, and ultra high grade ore in zone HG-1 that encompasses a substantial tonnage of 9000 mt of exceptionally pure material.

The only exclusions in otherwise extremely favourable conditions found on the bench are zones Ca-1 and Fe-1. Due to undesirably high contents of CaO and  $\text{Fe}_2\text{O}_3$  identified by the cuttings, both areas are classified as reject zones. Similar to the previously described waste areas, in Ca-1 zone, brown clay accompanied by a fine grained, white dolomite and frequent showings of leather-like, white, flaky palygorskite constitute the contaminating infill, that as well is a part of joint 128.

At the same time, in Fe-1 zone, visually recognisable inventory includes a sizeable admixture of pyrite. In fact, its obviously excessive amount, as evidenced by values of 1.28% up to 3.03%,  $\text{Fe}_2\text{O}_3$ , ultimately eliminates the sector as a potential source of usable ore.

In comparison,  $\text{Fe}_2\text{O}_3$  content in Fe-2, Fe-3 and Fe-4 zones occasionally reaches values of 1.00% or higher. Yet, because the vast majority of other  $\text{Fe}_2\text{O}_3$  readings fall into much lower range of only 0.35% - 0.45%, the zones appear to be of a full production capacity. Moreover, the capacity can be enhanced by use of ore sorting, which effectively eradicates physical sources (usually thick pyrite veins) standing behind the extreme data.

Ore sorting, in addition to ore blending, is the key beneficiating technique commonly utilized at the Mine. Its objective is a selective elimination of visually recognisable mineral contaminants from the ore. Ore sorting results in generating raw ore types of complementary chemical compositions, which when mixed together through crushing, ensure the required quality of both the ore grades or designed speciality products.

Unlike ore blending, which is employed at all phases of ore production (mining, crushing and shipping), ore sorting can be applied only once, at the very initial ore extraction stage. In order for the method to be reliable and effective, an accurate and reliable database regarding usable versus reject materials must be created well before the extraction starts. The blasthole analysis is the essential part of such database.

In case of zones Ca-2, Ca-3, Ca-4, Ca-5, Ca-6, Ca-7, where the majority of identified ore entirely fulfils or exceeds requirements of good quality, like in area HG-1, the chemical analysis recognizes subtle difference between usable grades, ultimately allowing detection of the highest quality material. The material after being separated and stockpiled as special ore reserves is used in small increments when necessary to generate right-on-the-spec final ore product.

## 2.5 Conclusions

- The nature of the Mt. Brussilof Magnesite deposit is homogeneous when looked at in large scale. The ore is generally white to pale grey in colour and is coarsely crystalline. When looked at on a round by round basis, significant differences in grade may occur with seemingly little or no distinguishable visible characteristics. In these instances the blast hole analysis offer invaluable assistance to:
  - ◆ Precisely define chemical nature as well as horizontal and vertical extend of numerous and variable contamination zones which can not be identified by appliance of basic field procedures
  - ◆ Accurately delineate stretch out of zones representing two main ore grade categories, and abundant zones of complimentary ore grades, which by themselves would be considered as waste, but in broader concept of multiple stage ore blending, constitute useful and profitable component
  - ◆ Recognize zones of the deposit containing ore quality exceeding specification limits (called high and ultra-high grade ore), which after being sorted out as an individual entities, are used for quality upgrade of marginal material that normally does not belong to ore spectrum interval
- The competitive magnesium oxide market drives the requirement to produce a homogeneous ore between a narrow set of specification limits. The nature of the deposit rarely conforms to such strict chemical boundaries. In respond to this challenge Baymag has developed a complementary ore pile strategy that combines a complex but feasible sequence of ore blending scenarios to optimize the deposit. The blasthole cuttings analysis, with its massive database pertinent to chemical composition of the extracted material, generates a reliable and indispensable basis for an efficient functioning of the strategy and therefore cost-effective exploitation of the deposit.



- The deposit is widely recognized by numerous exploration core holes drilled over a period of many years preceding the mine's start up and following it up to the present time. It is proven that the diamond drilling programs do give valuable information on mine sequencing for mid-term (1-3 years) and long-term (up to 10 years) production planning. However shorter-term ore production scenarios, including accurate daily ore production plans, must be supported by very detailed data from a much more specific source of information than the exploration holes give. The closely spaced blast hole assays fill such gaps by giving a comprehensive and detailed outline of the entire production bench. Only with the details derived from this drilling and assaying can the existence and location of: contamination, transition, grade 1, grade 2, ultra-high grade, high grade, marginal and blendable ore zones be determined and efficiently incorporated into production scheduling procedures. Locations of the zones are marked in the field and then indicated on individual blast maps and given to the hoe operators
- Results from blast hole assaying in areas of broad low-level contamination enable quality control to design blending scenarios that result in the selective sorting of components that would, by themselves, be waste. The varying nature of the joint orientation as well as change in mineral content, the halo effect and the lack of visibility in the floor have made assay results instrumental in the delineation of otherwise undetectable contamination zones necessary in the modelling process to aid quality control as well as for determining the direction of future development in forthcoming benches.
- In total, the blasthole bench plans of the samples in this report confirm the existence and orientation of eight east-west trending and two north-south trending joint in the pits. Borders of two major calcium and several iron zones were also delineated. The orientation and location of these structures, aided by assaying the cuttings, is determined by quality control. The location is marked in the field and then indicated on individual blast maps and given to the hoe operators.
- Chemical analysis of the orebody has confirmed a general trend of inverse relationships existing between various contaminants, in particular, between calcium and iron. Although some areas of the deposit may not entirely correspond with this premise. Areas of low iron/high calcium are blended with complimentary areas (high iron/low calcium) to produce an ore material right on spec.
- The genesis of the deposit is thought to be replacement of dolomite with most likely several phases of replacement and re-crystallization. The result appears to be a visibly homogeneous deposit but chemically much more variable. Bench plans of assayed blast holes will continue to be a much-required tool in planning the development and extraction of the deposit.

### 3 ITEMIZED COST STATEMENT

The total costs incurred during the 2003 - 2004 (from October 1, 2003 - September 10, 2004) blasthole-assaying program were as follows:

TABLE 3.1 ITEMIZED COSTS

ITEM	UNIT	UNIT COST	QUANTITY	TOTAL COST
Baymag Lab (Exshaw)	MgO, CaO, Fe <sub>2</sub> O <sub>3</sub> , Al <sub>2</sub> O <sub>3</sub> , SiO <sub>2</sub> sample analysis	\$60	3,319	\$199,140
<b>GRAND TOTAL</b>				<b>\$199,140</b>

#### **4 AUTHORS' QUALIFICATIONS**

Chris Pilarski, M.Sc. Geology, PGeo  
Mine Geologist

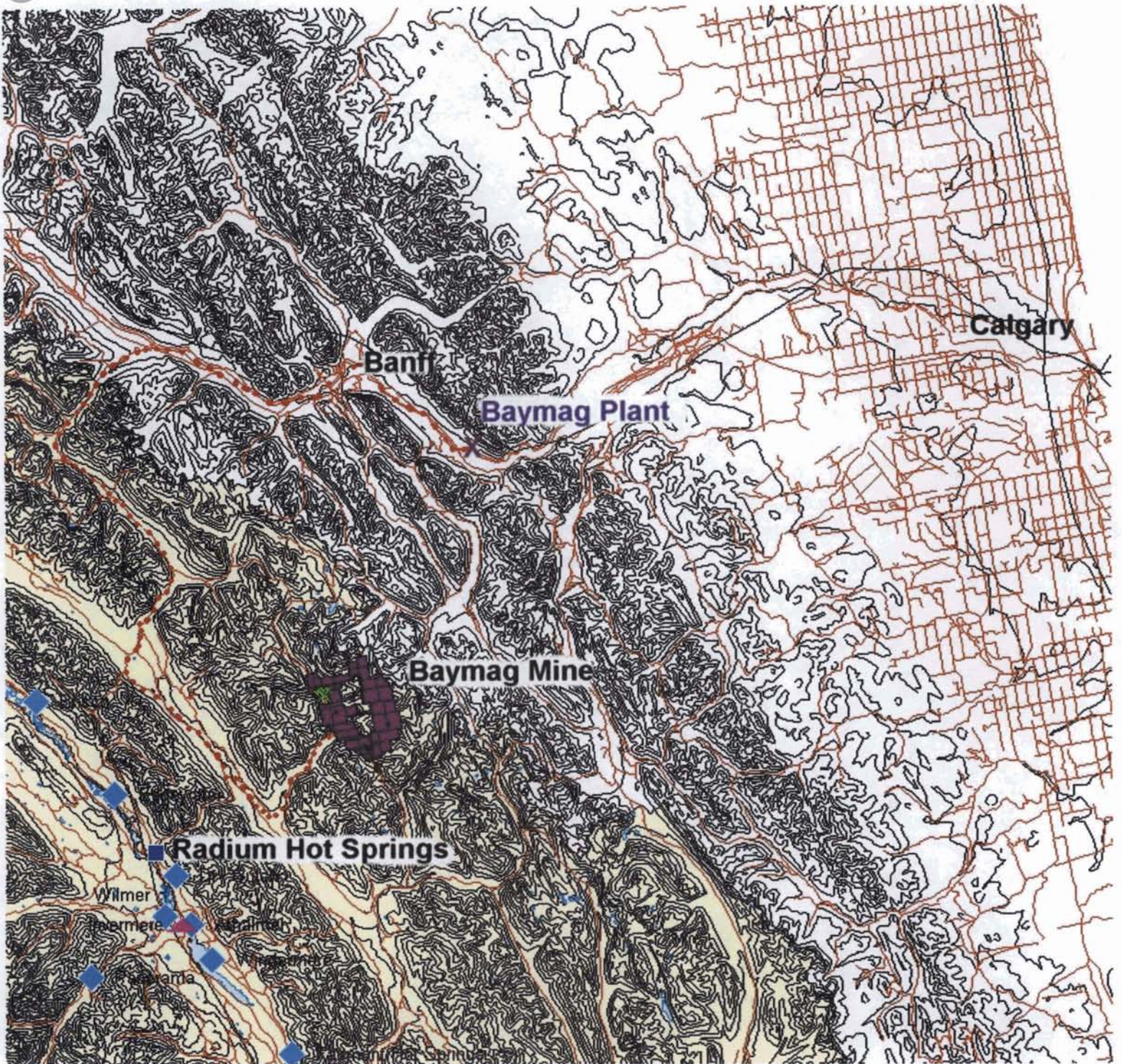
Program supervision, geological interpretation, conclusions and report compilation

John Goodman ASCT  
Mine Engineering Technologist

Data base maintenance and managing; generating the appendix and graphic attachments

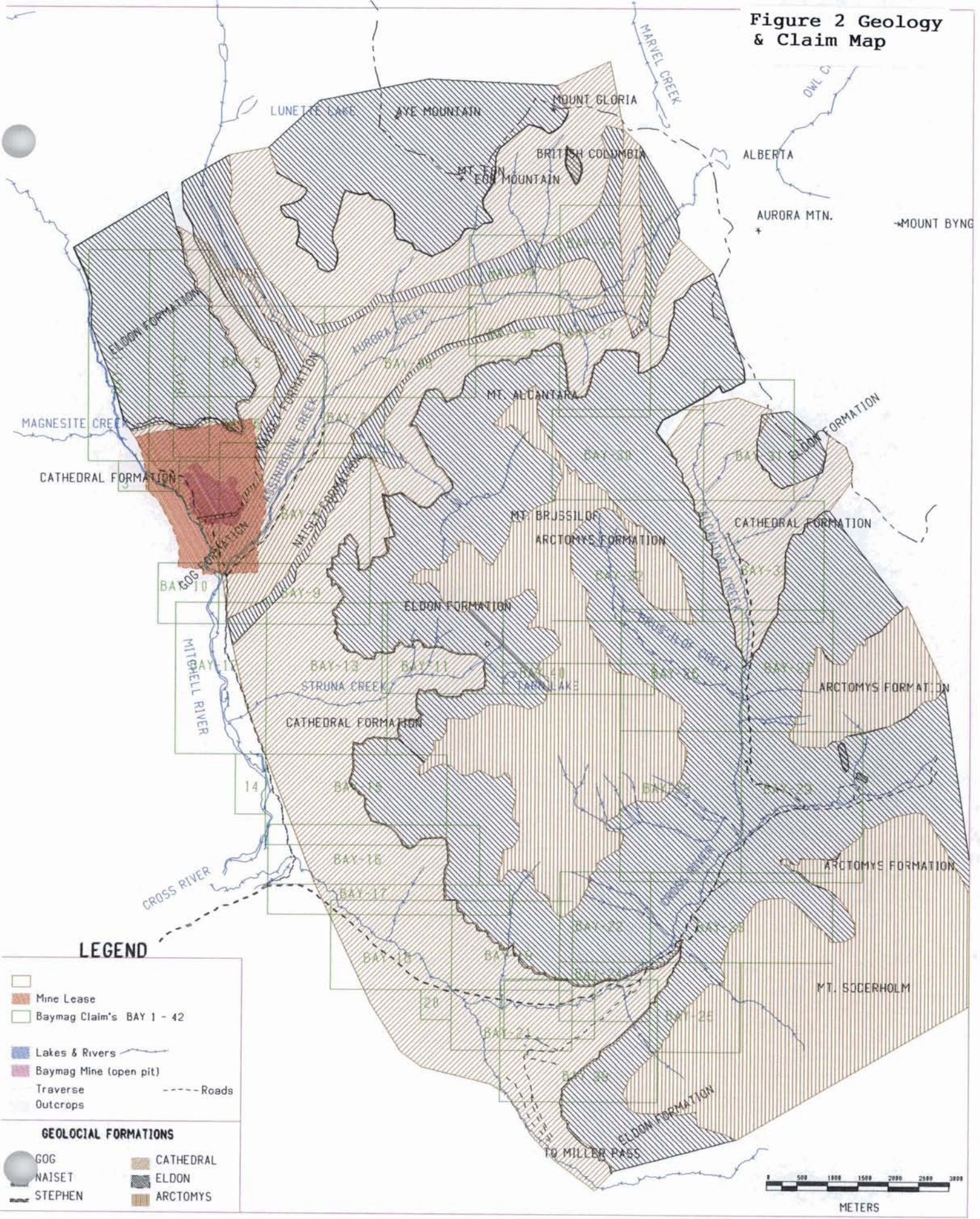


Figure 1 Location Map





**Figure 2 Geology & Claim Map**



**LEGEND**

- Mine Lease
  - Baymag Claim's BAY 1 - 42
  - Lakes & Rivers
  - Baymag Mine (open pit)
  - Traverse
  - Outcrops
  - Roads
- GEOLOGICAL FORMATIONS**
- GOG
  - NAISSET
  - STEPHEN
  - CATHEDRAL
  - ELDON
  - ARCTOMYS

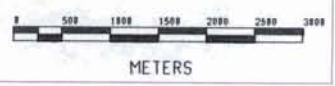




Figure 3  
Geological Interpretation  
Map - - 1414 Bench

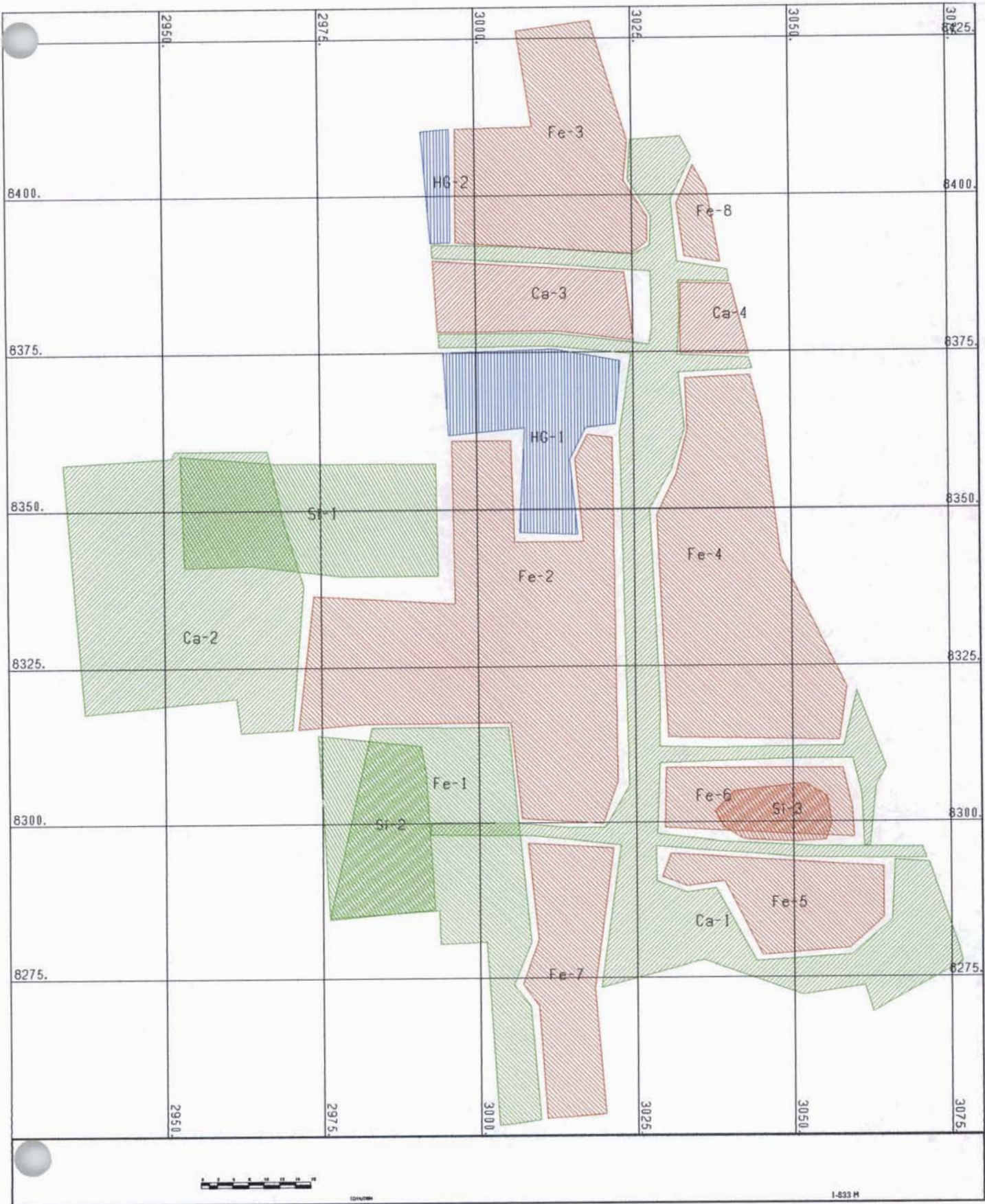




Figure 4  
Geological Interpretation  
Map - 1348 Bench

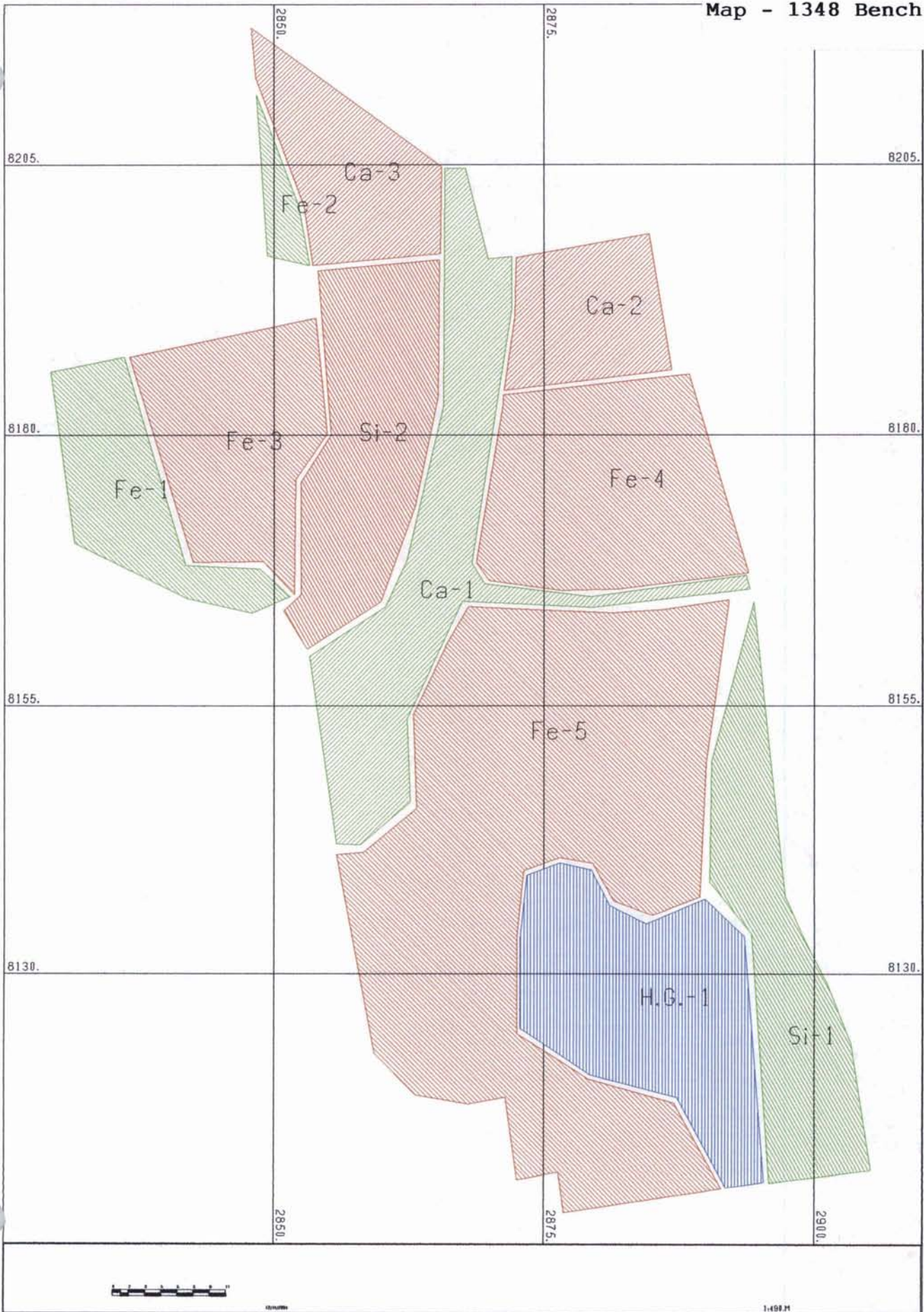




Figure 5  
Geological Interpretation  
Map - 1342 Bench

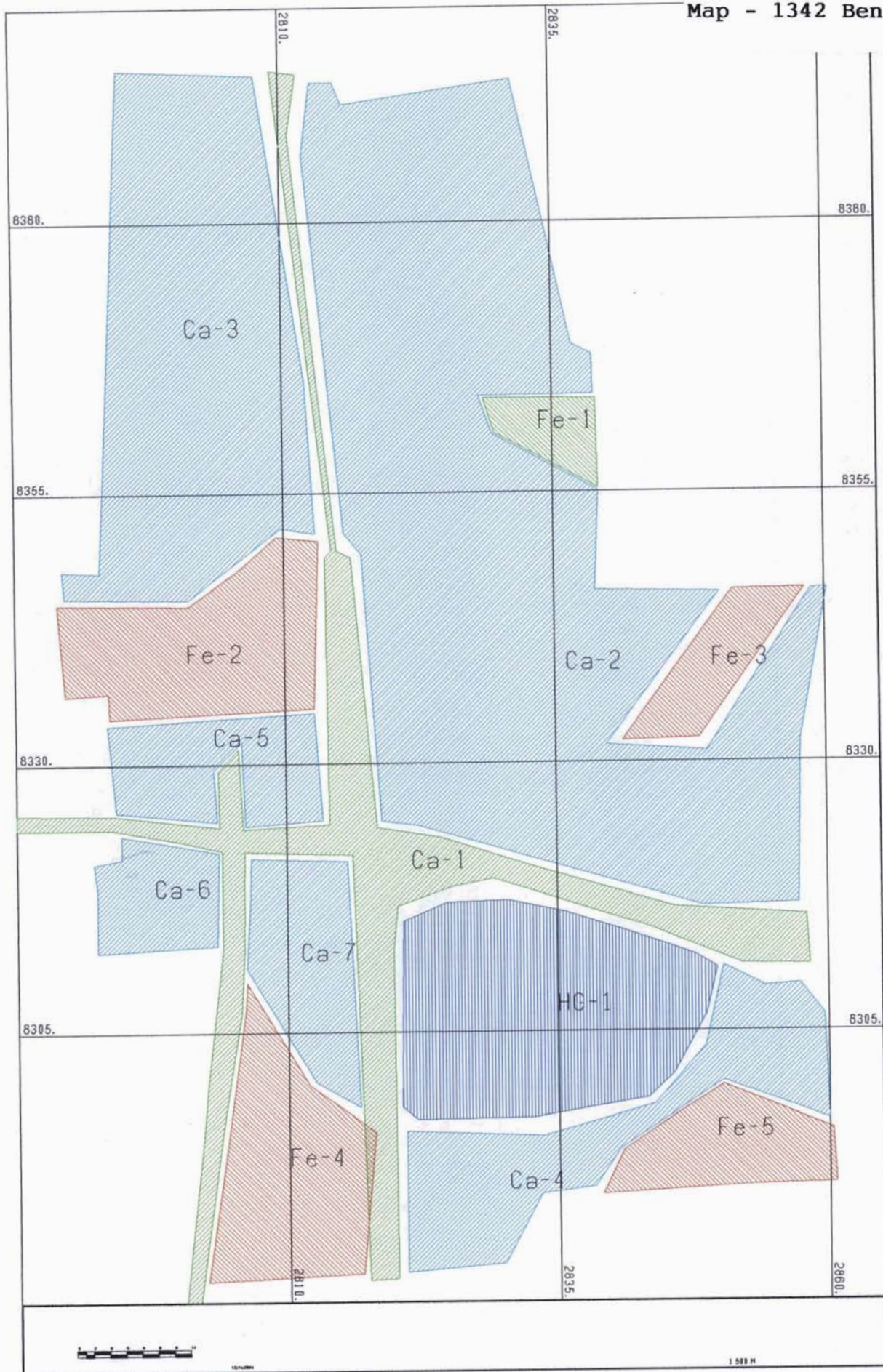
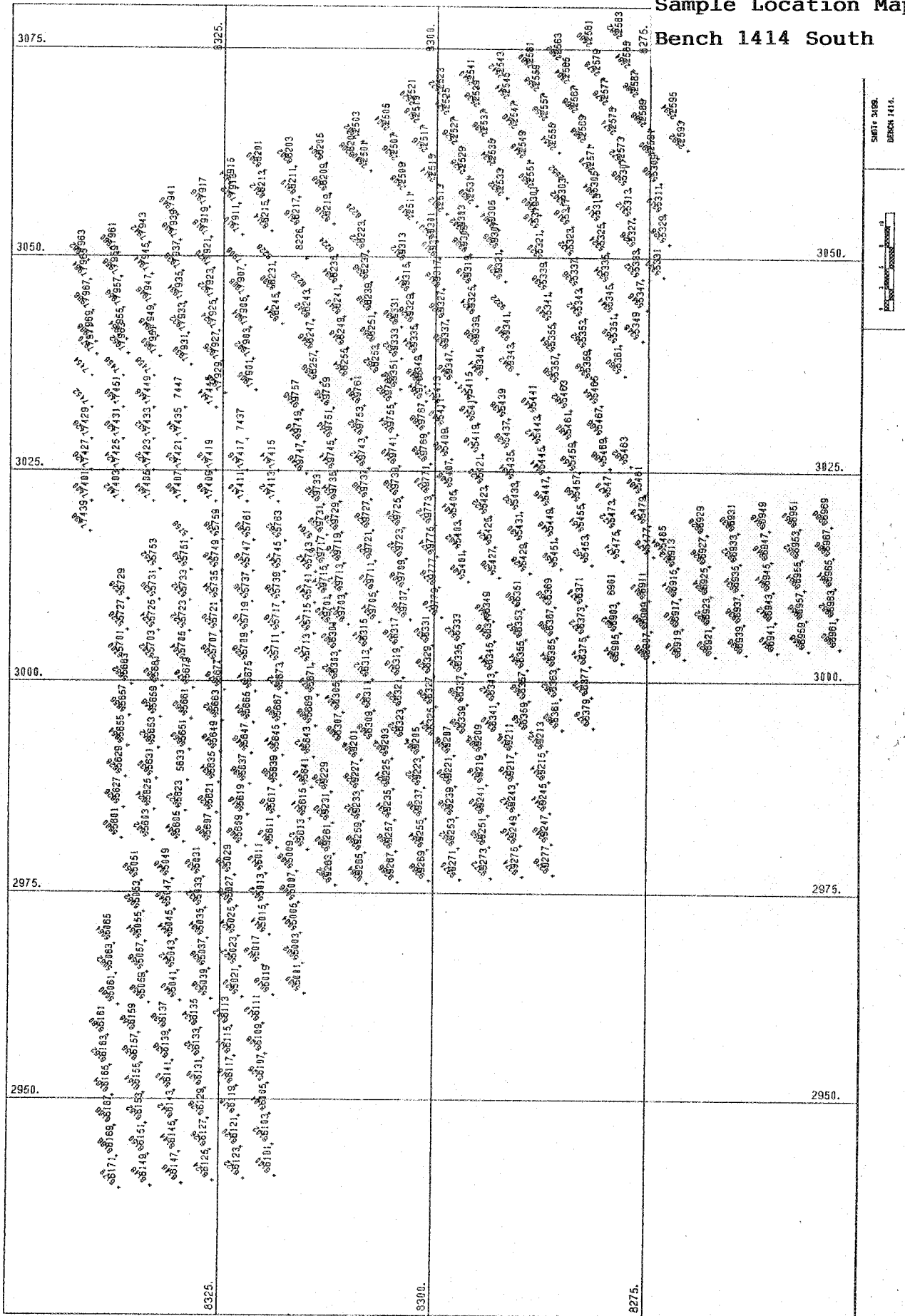




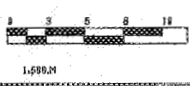
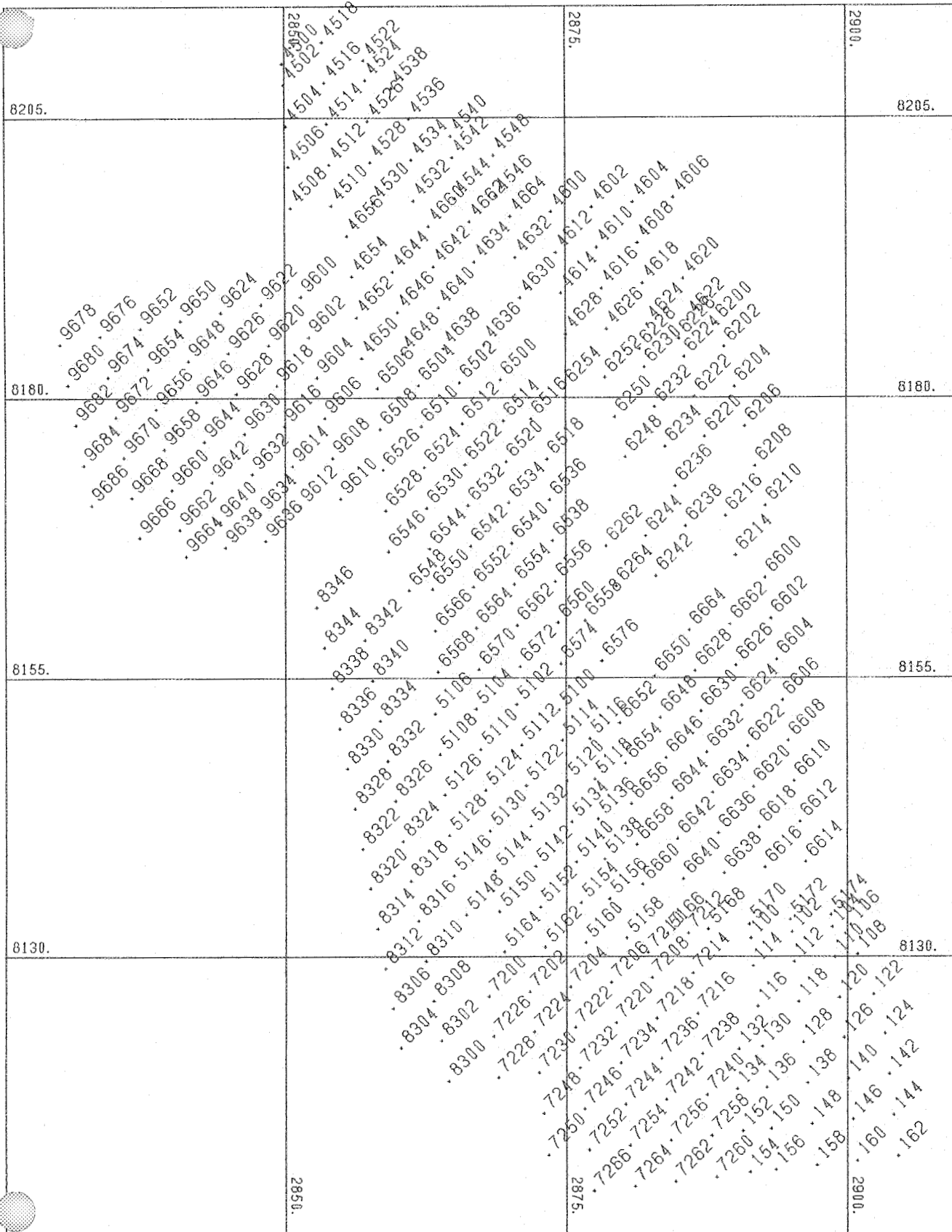


Figure 7

Sample Location Map  
Bench 1414 South



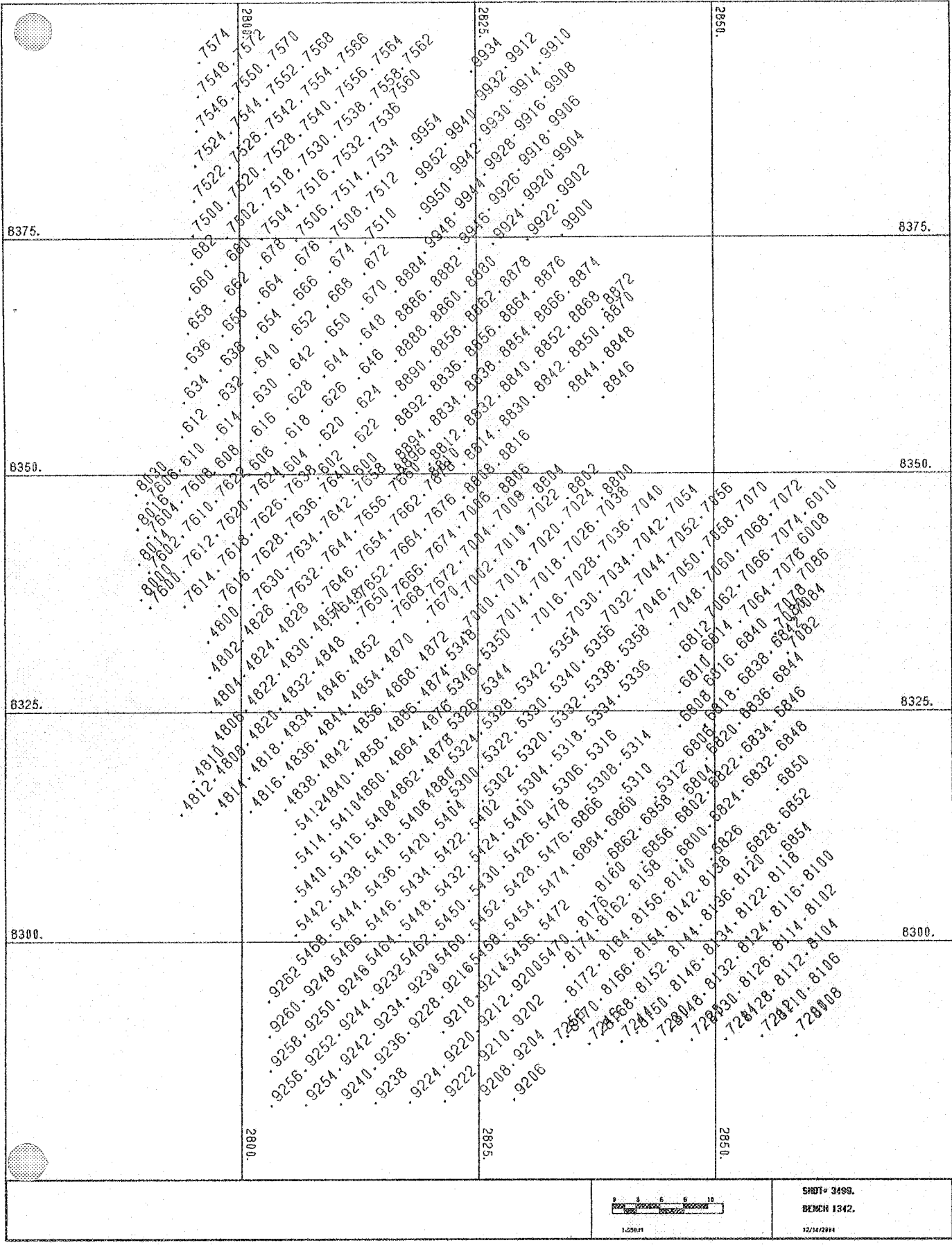
**Figure 8**  
**Sample Location Map**  
**Bench 1348**



SHOT • 3499.  
 BENCH 1348.

12/14/2004

Figure 9  
 Sample Location Map  
 Bench 1342



## 6 Appendix - Blast-hole Assay Sheets

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
0200	84539	3013.26	8388.79	1417.0	96.07	3.15	0.42	0.12	0.24
0201	84540	3013.26	8388.79	1414.0	97.18	2.24	0.43	0.03	0.12
0202	84541	3012.80	8392.42	1417.0	95.04	4.19	0.55	0.05	0.17
0203	84542	3012.80	8392.42	1414.0	96.74	2.47	0.58	0.05	0.16
0204	84543	3012.33	8396.05	1417.0	97.00	1.85	0.96	0.04	0.15
0205	84544	3012.33	8396.05	1414.0	94.66	4.35	0.70	0.08	0.21
0206	84545	3011.87	8399.68	1417.0	97.62	1.48	0.76	0.03	0.11
0207	84546	3011.87	8399.68	1414.0	97.46	1.71	0.68	0.03	0.12
0208	84547	3015.50	8400.15	1417.0	96.79	2.29	0.75	0.04	0.13
0209	84548	3015.50	8400.15	1414.0	97.09	2.09	0.66	0.05	0.11
0210	84549	3015.97	8396.52	1417.0	97.77	1.55	0.56	0.03	0.09
0211	84550	3015.97	8396.52	1414.0	97.41	1.86	0.56	0.07	0.10
0212	84551	3016.43	8392.89	1417.0	97.55	1.74	0.54	0.04	0.13
0213	84552	3016.43	8392.89	1414.0	96.29	2.93	0.58	0.06	0.14
0214	84553	3016.89	8389.26	1417.0	97.36	1.92	0.54	0.04	0.14
0215	84554	3016.89	8389.26	1414.0	96.79	2.11	0.59	0.17	0.34
0216	84555	3020.52	8389.72	1417.0	94.72	4.11	0.64	0.20	0.33
0217	84556	3020.52	8389.72	1414.0	97.39	1.84	0.63	0.04	0.10
0218	84557	3020.06	8393.35	1417.0	96.80	2.46	0.58	0.06	0.10
0219	84558	3020.06	8393.35	1414.0	97.39	1.89	0.52	0.07	0.13
0220	84559	3019.60	8396.98	1417.0	97.74	1.45	0.56	0.09	0.16
0221	84560	3019.60	8396.98	1414.0	97.70	1.47	0.61	0.08	0.14
0222	84561	3019.13	8400.61	1417.0	97.45	1.54	0.80	0.08	0.13
0223	84562	3019.13	8400.61	1414.0	95.77	3.16	0.80	0.10	0.17
0224	84563	3022.76	8401.08	1417.0	97.27	1.57	0.82	0.09	0.25
0225	84564	3022.76	8401.08	1414.0	96.62	2.26	0.78	0.12	0.22
0226	84565	3023.23	8397.45	1417.0	97.78	1.21	0.74	0.10	0.17
0227	84566	3023.23	8397.45	1414.0	97.72	1.34	0.69	0.08	0.17
0228	84567	3023.69	8393.82	1417.0	97.65	1.56	0.61	0.06	0.12
0229	84568	3023.69	8393.82	1414.0	96.75	2.14	0.75	0.12	0.24
0230	84569	3024.15	8390.18	1417.0	95.68	3.32	0.80	0.07	0.13
0231	84570	3024.15	8390.18	1414.0	96.01	2.90	0.83	0.10	0.16
0232	84571	3027.78	8390.65	1417.0	96.68	2.04	0.88	0.14	0.26
0233	84572	3027.78	8390.65	1414.0	96.40	2.48	0.89	0.08	0.15
0234	84573	3027.32	8394.28	1417.0	97.06	1.96	0.68	0.10	0.20
0235	84574	3027.32	8394.28	1414.0	97.12	1.90	0.74	0.08	0.16
0236	84575	3026.86	8397.91	1417.0	95.21	3.24	1.17	0.12	0.26
0237	84576	3026.86	8397.91	1414.0	94.63	4.12	0.75	0.15	0.35
0238	84577	3026.39	8401.54	1417.0	88.58	10.19	0.67	0.08	0.48
0239	84578	3026.39	8401.54	1414.0	93.20	5.46	0.79	0.15	0.40
0240	84579	3030.02	8402.00	1417.0	95.60	2.87	1.30	0.10	0.13
0241	84580	3030.02	8402.00	1414.0	95.87	3.02	0.88	0.07	0.16
0242	84581	3030.49	8398.37	1417.0	97.17	1.65	0.93	0.08	0.17
0243	84582	3030.49	8398.37	1414.0	96.63	2.32	0.90	0.05	0.10
0244	84583	3030.95	8394.74	1417.0	97.34	1.67	0.67	0.10	0.22
0245	84584	3030.95	8394.74	1414.0	97.63	1.42	0.67	0.09	0.19
0246	84585	3031.42	8391.11	1417.0	97.09	1.98	0.68	0.07	0.18
0247	84586	3031.42	8391.11	1414.0	94.97	3.83	0.86	0.11	0.23
0248	84587	3035.19	8390.08	1417.0	96.38	2.49	0.91	0.07	0.15
0249	84588	3035.19	8390.08	1414.0	97.17	1.88	0.73	0.07	0.15
0250	84589	3035.05	8391.58	1417.0	97.70	1.43	0.67	0.06	0.14
0251	84590	3035.05	8391.58	1414.0	97.37	1.70	0.67	0.09	0.17
0252	84591	3034.58	8395.21	1417.0	97.34	1.73	0.76	0.05	0.12
0254	84592	3034.12	8398.84	1417.0	97.22	1.88	0.76	0.04	0.10
0255	84593	3034.12	8398.84	1414.0	97.45	1.73	0.66	0.04	0.12
0256	84594	3033.65	8402.47	1417.0	97.43	1.59	0.82	0.06	0.10
0257	84595	3033.65	8402.47	1414.0	97.18	2.05	0.60	0.06	0.11
0258	84596	3037.75	8399.30	1417.0	97.03	2.01	0.81	0.06	0.09
0259	84597	3037.75	8399.30	1414.0	97.24	1.32	1.34	0.03	0.07

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
0260	84598	3038.21	8395.67	1417.0	97.19	1.84	0.87	0.03	0.07
0261	84599	3038.21	8395.67	1414.0	96.87	2.00	1.06	0.02	0.05
0262	84600	3038.68	8392.04	1417.0	93.85	3.93	1.77	0.11	0.34
0263	84601	3038.68	8392.04	1414.0	96.74	1.73	1.33	0.06	0.14
0264	84602	3038.86	8390.03	1417.0	95.98	2.19	1.46	0.13	0.24
0265	84603	3038.86	8390.03	1414.0	96.09	2.63	1.08	0.06	0.14
1000	84419	3015.71	8363.18	1417.0	97.86	1.59	0.42	0.01	0.12
1001	84420	3015.71	8363.18	1414.0	97.72	1.64	0.51	0.01	0.12
1002	84421	3019.34	8363.58	1417.0	97.80	1.65	0.42	0.01	0.12
1003	84422	3019.34	8363.58	1414.0	97.35	1.77	0.76	0.01	0.11
1004	84423	3018.94	8367.22	1417.0	97.57	1.66	0.52	0.03	0.22
1005	84424	3018.94	8367.22	1414.0	97.42	1.86	0.52	0.03	0.17
1006	84425	3015.30	8366.82	1417.0	97.65	1.77	0.42	0.03	0.13
1007	84426	3015.30	8366.82	1414.0	97.87	1.57	0.46	0.01	0.09
1008	84427	3014.90	8370.46	1417.0	97.90	1.55	0.40	0.01	0.14
1009	84428	3014.90	8370.46	1414.0	97.89	1.58	0.43	0.01	0.09
1010	84429	3018.54	8370.86	1417.0	97.85	1.56	0.50	0.01	0.08
1011	84430	3018.54	8370.86	1414.0	97.42	1.93	0.52	0.02	0.11
1012	84431	3018.14	8374.50	1417.0	97.58	1.68	0.56	0.04	0.14
1013	84432	3018.14	8374.50	1414.0	97.58	1.71	0.48	0.07	0.16
1014	84433	3014.50	8374.10	1417.0	97.82	1.58	0.41	0.05	0.14
1015	84434	3014.50	8374.10	1414.0	97.58	1.73	0.47	0.06	0.16
1016	84435	3014.10	8377.74	1417.0	98.01	1.34	0.41	0.06	0.18
1017	84436	3014.10	8377.74	1414.0	97.59	1.69	0.42	0.11	0.19
1018	84437	3017.74	8378.14	1417.0	97.56	1.68	0.53	0.08	0.15
1019	84438	3017.74	8378.14	1414.0	97.48	1.77	0.55	0.07	0.13
1020	84439	3017.33	8381.78	1417.0	97.74	1.55	0.54	0.04	0.13
1021	84440	3017.33	8381.78	1414.0	97.60	1.73	0.50	0.05	0.12
1022	84441	3013.70	8381.37	1417.0	97.58	1.71	0.47	0.06	0.18
1023	84442	3013.70	8381.37	1414.0	97.68	1.60	0.46	0.09	0.17
1024	84443	3013.29	8385.01	1417.0	97.83	1.41	0.59	0.03	0.14
1025	84444	3013.29	8385.01	1414.0	97.52	1.78	0.47	0.07	0.16
1026	84445	3016.93	8385.41	1417.0	97.86	1.45	0.53	0.04	0.12
1027	84446	3016.93	8385.41	1414.0	97.81	1.40	0.59	0.07	0.13
1028	84447	3020.57	8385.82	1417.0	97.67	1.49	0.62	0.08	0.14
1029	84448	3020.57	8385.82	1414.0	97.63	1.50	0.65	0.07	0.15
1030	84449	3024.21	8386.22	1417.0	97.41	1.88	0.52	0.06	0.13
1031	84450	3024.21	8386.22	1414.0	94.74	4.34	0.59	0.09	0.24
1032	84451	3024.61	8382.58	1417.0	96.75	2.41	0.59	0.08	0.17
1033	84452	3024.61	8382.58	1414.0	96.60	2.37	0.82	0.06	0.15
1034	84453	3020.97	8382.18	1417.0	96.99	1.93	0.88	0.05	0.15
1035	84454	3020.97	8382.18	1414.0	97.36	1.83	0.61	0.06	0.14
1036	84455	3021.37	8378.54	1417.0	96.92	2.11	0.67	0.11	0.19
1037	84456	3021.37	8378.54	1414.0	97.27	1.89	0.55	0.11	0.18
1038	84457	3025.01	8378.94	1417.0	95.19	3.67	0.69	0.16	0.29
1039	84458	3025.01	8378.94	1414.0	97.27	1.94	0.62	0.05	0.12
1040	84459	3025.41	8375.30	1417.0	96.70	2.44	0.54	0.11	0.21
1041	84460	3025.41	8375.30	1414.0	97.45	1.59	0.59	0.13	0.24
1042	84461	3021.77	8374.90	1417.0	97.04	1.99	0.67	0.10	0.20
1043	84462	3021.77	8374.90	1414.0	97.17	1.82	0.65	0.12	0.24
1044	84463	3022.18	8371.26	1417.0	96.37	2.80	0.47	0.11	0.25
1045	84464	3022.18	8371.26	1414.0	97.32	2.07	0.47	0.03	0.11
1046	84465	3025.81	8371.67	1417.0	94.10	4.75	0.63	0.19	0.33
1047	84466	3025.81	8371.67	1414.0	97.04	2.14	0.62	0.06	0.14
1048	84467	3026.22	8368.03	1417.0	95.15	3.98	0.65	0.06	0.16
1049	84468	3026.22	8368.03	1414.0	96.39	2.72	0.69	0.05	0.15
1050	84469	3022.58	8367.63	1417.0	96.80	2.30	0.54	0.12	0.24
1051	84470	3022.58	8367.63	1414.0	96.17	2.85	0.57	0.14	0.27
1052	84471	3022.98	8363.99	1417.0	97.00	2.27	0.53	0.05	0.15

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
1053	84472	3022.98	8363.99	1414.0	96.94	2.24	0.60	0.06	0.16
1054	84473	3026.62	8364.39	1417.0	96.53	2.33	0.69	0.16	0.29
1055	84474	3026.62	8364.39	1414.0	95.67	3.09	0.92	0.10	0.22
2500	83651	3060.24	8307.81	1417.0	96.83	2.52	0.52	0.05	0.08
2501	83652	3060.24	8307.81	1414.0	97.25	1.75	0.76	0.09	0.15
2502	83653	3063.76	8308.78	1417.0	96.56	2.60	0.60	0.08	0.16
2503	83654	3063.76	8308.78	1414.0	97.41	1.86	0.64	0.03	0.06
2504	83655	3064.74	8305.25	1417.0	96.12	3.15	0.60	0.05	0.08
2505	83656	3064.74	8305.25	1414.0	96.93	2.12	0.68	0.11	0.16
2506	83657	3061.21	8304.28	1417.0	96.55	2.86	0.50	0.03	0.06
2507	83658	3061.21	8304.28	1414.0	97.52	1.75	0.60	0.05	0.08
2508	83659	3057.68	8303.31	1417.0	97.47	1.82	0.65	0.02	0.04
2509	83660	3057.68	8303.31	1414.0	97.39	1.91	0.62	0.03	0.05
2510	83661	3054.15	8302.34	1417.0	97.27	1.99	0.65	0.03	0.06
2511	83662	3054.15	8302.34	1414.0	97.40	1.65	0.82	0.05	0.08
2512	83663	3055.12	8298.81	1417.0	96.55	2.52	0.82	0.04	0.07
2513	83664	3055.12	8298.81	1414.0	96.92	1.65	0.86	0.23	0.34
2514	83665	3058.65	8299.78	1417.0	96.63	1.51	1.75	0.04	0.07
2515	83666	3058.65	8299.78	1414.0	96.77	1.80	0.85	0.24	0.34
2516	83667	3062.18	8300.75	1417.0	96.76	2.43	0.72	0.03	0.06
2517	83668	3062.18	8300.75	1414.0	97.27	1.77	0.79	0.06	0.11
2518	83669	3065.71	8301.72	1417.0	95.20	3.91	0.63	0.08	0.18
2519	83670	3065.71	8301.72	1414.0	95.22	3.81	0.74	0.09	0.14
2520	83671	3067.80	8302.26	1417.0	96.71	2.31	0.91	0.02	0.05
2521	83672	3067.80	8302.26	1414.0	96.46	2.72	0.73	0.03	0.06
2522	83673	3069.12	8298.88	1417.0	97.11	1.95	0.75	0.06	0.13
2523	83674	3069.12	8298.88	1414.0	96.02	2.98	0.68	0.11	0.21
2524	83675	3066.68	8298.19	1417.0	96.91	2.26	0.63	0.06	0.14
2525	83676	3066.68	8298.19	1414.0	96.00	3.11	0.73	0.05	0.11
2526	83677	3063.15	8297.22	1417.0	97.22	1.87	0.77	0.04	0.10
2527	83678	3063.15	8297.22	1414.0	93.70	4.98	0.83	0.17	0.32
2528	83679	3059.62	8296.25	1417.0	96.99	1.89	0.97	0.05	0.10
2529	83680	3059.62	8296.25	1414.0	95.50	3.40	0.73	0.15	0.22
2530	83681	3056.09	8295.28	1417.0	96.79	2.38	0.67	0.04	0.12
2531	83682	3056.09	8295.28	1414.0	96.22	2.90	0.72	0.04	0.12
2532	83683	3057.06	8291.75	1417.0	96.96	2.24	0.63	0.04	0.13
2533	83684	3057.06	8291.75	1414.0	96.91	2.02	0.59	0.15	0.33
2534	83685	3060.59	8292.72	1417.0	97.31	1.99	0.61	0.01	0.08
2535	83686	3060.59	8292.72	1414.0	97.13	1.96	0.64	0.07	0.20
2536	83687	3064.12	8293.69	1417.0	96.91	2.35	0.60	0.02	0.12
2537	83688	3064.12	8293.69	1414.0	96.52	2.57	0.68	0.04	0.19
2538	83689	3067.65	8294.66	1417.0	97.11	2.13	0.60	0.02	0.14
2539	83690	3067.65	8294.66	1414.0	94.79	4.44	0.62	0.03	0.12
2540	83691	3070.25	8295.31	1417.0	96.66	2.17	0.72	0.12	0.33
2541	83692	3070.25	8295.31	1414.0	94.64	4.38	0.72	0.05	0.21
2542	83693	3071.18	8291.83	1417.0	97.14	2.01	0.59	0.05	0.21
2543	83694	3071.18	8291.83	1414.0	92.32	5.96	0.79	0.27	0.66
2544	83695	3068.62	8291.13	1417.0	97.10	1.95	0.75	0.04	0.16
2545	83696	3068.62	8291.13	1414.0	94.41	4.74	0.59	0.06	0.20
2546	83697	3065.09	8290.16	1417.0	97.26	1.91	0.61	0.05	0.17
2547	83698	3065.09	8290.16	1414.0	94.23	4.10	0.73	0.34	0.60
2548	83699	3061.56	8289.19	1417.0	97.74	1.55	0.59	0.02	0.10
2549	83700	3061.56	8289.19	1414.0	96.60	2.14	0.71	0.19	0.36
2550	83701	3058.03	8288.22	1417.0	96.63	2.26	0.61	0.17	0.33
2551	83702	3058.03	8288.22	1414.0	97.00	1.90	0.55	0.18	0.37
2552	83703	3059.00	8284.69	1417.0	97.11	1.90	0.60	0.12	0.27
2554	83704	3062.53	8285.66	1417.0	97.18	1.84	0.75	0.07	0.16
2555	83705	3062.53	8285.66	1414.0	96.82	1.91	0.71	0.18	0.38
2556	83706	3066.06	8286.63	1417.0	96.29	2.78	0.81	0.03	0.09



## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
2557	83707	3066.06	8286.63	1414.0	95.25	3.15	0.63	0.30	0.67
2558	83708	3069.59	8287.61	1417.0	96.46	2.56	0.77	0.05	0.16
2559	83709	3069.59	8287.61	1414.0	96.96	1.27	0.75	0.29	0.73
2560	83710	3072.40	8288.36	1417.0	94.34	4.22	0.98	0.13	0.33
2561	83711	3072.40	8288.36	1414.0	95.94	2.03	1.15	0.26	0.62
2562	83712	3073.44	8285.07	1417.0	96.58	2.25	0.95	0.05	0.17
2563	83713	3073.44	8285.07	1414.0	97.61	1.39	0.75	0.07	0.18
2564	83714	3070.56	8284.08	1417.0	92.82	5.63	1.40	0.04	0.11
2565	83715	3070.56	8284.08	1414.0	95.38	3.75	0.69	0.05	0.13
2566	83716	3067.03	8283.11	1417.0	92.41	6.35	1.05	0.06	0.13
2567	83717	3067.03	8283.11	1414.0	94.70	4.05	1.11	0.03	0.11
2568	83718	3063.50	8282.13	1417.0	91.66	5.31	2.69	0.10	0.24
2569	83719	3063.50	8282.13	1414.0	96.14	2.48	0.98	0.15	0.25
2570	83720	3059.97	8281.16	1417.0	94.90	3.99	0.88	0.07	0.16
2571	83721	3059.97	8281.16	1414.0	95.76	2.83	0.92	0.19	0.30
2572	83722	3060.94	8277.63	1417.0	94.75	3.43	0.99	0.29	0.54
2573	83723	3060.94	8277.63	1414.0	96.70	2.28	0.71	0.11	0.20
2574	83724	3064.47	8278.61	1417.0	95.74	2.45	1.69	0.03	0.09
2575	83725	3064.47	8278.61	1414.0	95.32	3.18	1.00	0.17	0.33
2576	83726	3068.00	8279.58	1417.0	96.70	2.11	0.81	0.11	0.27
2577	83727	3068.00	8279.58	1414.0	96.07	2.67	0.84	0.12	0.30
2578	83728	3071.53	8280.55	1417.0	96.86	1.96	0.96	0.07	0.15
2579	83729	3071.53	8280.55	1414.0	97.31	1.62	0.92	0.05	0.10
2580	83730	3075.06	8281.52	1417.0	94.88	3.52	1.19	0.11	0.30
2581	83731	3075.06	8281.52	1414.0	97.33	1.56	0.76	0.13	0.22
2582	83732	3076.03	8277.99	1417.0	96.45	2.05	1.16	0.10	0.24
2583	83733	3076.03	8277.99	1414.0	97.38	1.66	0.75	0.09	0.12
2584	83734	3072.50	8277.02	1417.0	96.33	1.82	1.43	0.16	0.26
2585	83735	3072.50	8277.02	1414.0	97.85	1.23	0.62	0.11	0.19
2586	83736	3068.97	8276.05	1417.0	95.02	3.41	0.77	0.22	0.58
2587	83737	3068.97	8276.05	1414.0	96.84	2.01	0.74	0.15	0.26
2588	83738	3065.44	8275.08	1417.0	96.01	2.24	1.17	0.20	0.38
2589	83739	3065.44	8275.08	1414.0	96.43	2.07	0.93	0.20	0.37
2590	83740	3061.91	8274.11	1417.0	95.91	2.84	0.78	0.19	0.28
2591	83741	3061.91	8274.11	1414.0	96.63	2.04	0.60	0.28	0.45
2592	83742	3062.88	8270.58	1417.0	96.82	1.93	0.69	0.19	0.37
2593	83743	3062.88	8270.58	1414.0	96.79	1.87	0.64	0.27	0.43
2594	83744	3066.41	8271.55	1417.0	96.41	2.19	1.08	0.11	0.21
2595	83745	3066.41	8271.55	1414.0	97.12	1.94	0.69	0.08	0.17
2600	83746	2943.16	8339.04	1417.0	94.70	4.48	0.47	0.03	0.32
2601	83747	2943.16	8339.04	1414.0	94.25	3.34	2.10	0.07	0.24
2602	83748	2939.50	8338.86	1417.0	95.48	3.80	0.40	0.09	0.23
2603	83749	2939.50	8338.86	1414.0	95.88	3.43	0.41	0.08	0.20
2604	83750	2935.85	8338.68	1417.0	93.49	5.38	0.81	0.10	0.22
2605	83751	2935.85	8338.68	1414.0	96.75	2.59	0.45	0.06	0.15
2606	83752	2935.67	8342.33	1417.0	96.25	3.17	0.36	0.07	0.15
2607	83753	2935.67	8342.33	1414.0	96.34	3.03	0.45	0.05	0.13
2608	83754	2939.32	8342.52	1417.0	95.98	3.39	0.43	0.06	0.14
2609	83755	2939.32	8342.52	1414.0	96.17	3.21	0.42	0.06	0.14
2610	83756	2942.98	8342.70	1417.0	93.45	5.35	0.97	0.07	0.16
2611	83757	2942.98	8342.70	1414.0	95.10	4.02	0.60	0.07	0.21
2612	83758	2946.63	8342.88	1417.0	88.58	10.42	0.44	0.10	0.46
2613	83759	2946.63	8342.88	1414.0	89.20	10.14	0.40	0.06	0.20
2614	83760	2950.29	8343.07	1417.0	94.37	4.88	0.53	0.06	0.16
2615	83761	2950.29	8343.07	1414.0	92.67	6.56	0.58	0.06	0.13
2616	83762	2950.10	8346.72	1417.0	94.95	4.34	0.47	0.07	0.17
2617	83763	2950.10	8346.72	1414.0	95.26	4.00	0.47	0.09	0.18
2618	83764	2946.45	8346.54	1417.0	95.39	3.88	0.49	0.07	0.17
2619	83765	2946.45	8346.54	1414.0	93.50	5.83	0.42	0.07	0.18

Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
2620	83766	2942.79	8346.36	1417.0	94.35	4.43	1.01	0.06	0.15
2621	83767	2942.79	8346.36	1414.0	95.61	3.54	0.58	0.06	0.21
2622	83768	2939.14	8346.17	1417.0	93.04	5.84	0.78	0.10	0.24
2623	83769	2939.14	8346.17	1414.0	95.13	4.11	0.48	0.07	0.21
2624	83770	2935.48	8345.99	1417.0	95.98	3.47	0.33	0.07	0.15
2625	83771	2935.48	8345.99	1414.0	95.90	3.38	0.43	0.10	0.19
2626	83772	2935.30	8349.65	1417.0	95.93	3.15	0.62	0.09	0.21
2627	83773	2935.30	8349.65	1414.0	96.55	2.67	0.44	0.13	0.21
2628	83774	2938.96	8349.83	1417.0	95.53	3.73	0.41	0.12	0.21
2629	83775	2938.96	8349.83	1414.0	90.14	8.24	1.35	0.09	0.18
2630	83776	2942.61	8350.01	1417.0	96.72	2.49	0.41	0.11	0.27
2631	83777	2942.61	8350.01	1414.0	93.12	6.22	0.46	0.06	0.14
2632	83778	2946.27	8350.19	1417.0	95.43	3.87	0.40	0.09	0.21
2633	83779	2946.27	8350.19	1414.0	94.49	4.89	0.38	0.07	0.17
2634	83780	2949.92	8350.38	1417.0	94.38	4.92	0.45	0.08	0.17
2635	83781	2949.92	8350.38	1414.0	90.23	9.24	0.38	0.05	0.10
2636	83782	2949.74	8354.03	1417.0	95.78	3.52	0.47	0.07	0.16
2637	83783	2949.74	8354.03	1414.0	94.10	5.11	0.47	0.09	0.23
2638	83784	2946.08	8353.85	1417.0	96.73	2.60	0.40	0.08	0.19
2639	83785	2946.08	8353.85	1414.0	90.36	9.05	0.38	0.06	0.15
2640	83786	2942.43	8353.67	1417.0	94.32	3.52	1.90	0.09	0.17
2641	83787	2942.43	8353.67	1414.0	90.18	8.90	0.58	0.11	0.23
2642	83788	2938.77	8353.48	1417.0	92.40	5.92	1.27	0.14	0.27
2643	83789	2938.77	8353.48	1414.0	87.94	10.38	1.35	0.11	0.22
2644	83790	2935.12	8353.30	1417.0	88.44	9.11	0.87	0.53	1.05
2645	83791	2935.12	8353.30	1414.0	87.27	8.51	1.71	0.84	1.67
2646	83792	2934.94	8356.96	1417.0	95.43	2.86	1.20	0.17	0.34
2647	83793	2934.94	8356.96	1414.0	93.30	3.39	2.92	0.13	0.26
2648	83794	2938.59	8357.14	1417.0	90.51	8.14	0.78	0.18	0.39
2649	83795	2938.59	8357.14	1414.0	85.35	11.50	2.75	0.13	0.27
2650	83796	2942.25	8357.32	1417.0	92.41	6.25	0.95	0.13	0.26
2651	83797	2942.25	8357.32	1414.0	87.10	11.51	1.08	0.11	0.20
2652	83798	2945.90	8357.50	1417.0	89.26	9.43	0.96	0.13	0.22
2653	83799	2945.90	8357.50	1414.0	88.14	10.93	0.76	0.06	0.11
2654	83800	2949.56	8357.69	1417.0	90.77	8.43	0.52	0.09	0.19
2655	83801	2949.56	8357.69	1414.0	89.96	8.36	1.47	0.07	0.14
5000	82315	2962.92	8315.11	1417.0	97.21	1.96	0.67	0.04	0.12
5001	82316	2962.92	8315.11	1414.0	94.53	4.53	0.66	0.06	0.22
5002	82317	2966.57	8315.34	1417.0	96.04	3.34	0.46	0.04	0.12
5003	82318	2966.57	8315.34	1414.0	96.13	2.63	0.60	0.15	0.49
5004	82319	2970.23	8315.57	1417.0	95.73	3.14	0.56	0.15	0.42
5005	82320	2970.23	8315.57	1414.0	94.46	4.51	0.60	0.11	0.32
5006	82321	2973.88	8315.81	1417.0	96.90	2.25	0.51	0.06	0.28
5007	82322	2973.88	8315.81	1414.0	97.51	1.63	0.48	0.08	0.30
5008	82323	2977.53	8316.04	1417.0	96.76	1.70	0.47	0.16	0.91
5009	82324	2977.53	8316.04	1414.0	97.39	1.55	0.59	0.08	0.39
5010	82325	2977.30	8319.59	1417.0	97.08	1.45	0.45	0.16	0.86
5011	82326	2977.30	8319.69	1414.0	95.62	3.44	0.45	0.11	0.38
5012	82327	2973.64	8319.46	1417.0	96.80	2.19	0.60	0.08	0.33
5013	82328	2973.64	8319.46	1414.0	95.93	2.78	0.52	0.12	0.65
5014	82329	2969.99	8319.23	1417.0	90.89	7.36	0.57	0.06	1.12
5015	82330	2969.99	8319.23	1414.0	96.74	1.94	0.69	0.10	0.53
5016	82331	2966.34	8319.99	1417.0	95.60	3.44	0.57	0.06	0.33
5017	82332	2966.34	8319.99	1414.0	95.88	3.01	0.56	0.12	0.43
5018	82333	2962.69	8318.76	1417.0	97.28	1.72	0.80	0.03	0.17
5019	82334	2962.69	8318.76	1414.0	96.77	2.16	0.65	0.09	0.33
5020	82335	2962.45	8322.41	1417.0	93.32	5.98	0.54	0.04	0.12
5021	82336	2962.45	8322.41	1414.0	95.74	2.88	0.93	0.10	0.35
5022	82337	2966.11	8322.65	1417.0	93.64	5.75	0.40	0.05	0.16

Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
5023	82338	2966.11	8322.65	1414.0	96.80	2.30	0.55	0.06	0.29
5024	82339	2969.76	8322.88	1417.0	89.24	9.61	0.64	0.14	0.37
5025	82340	2969.76	8322.88	1414.0	97.29	1.67	0.49	0.12	0.43
5026	82341	2973.41	8323.11	1417.0	97.33	1.80	0.49	0.07	0.31
5027	82342	2973.41	8323.11	1414.0	95.38	3.68	0.43	0.11	0.40
5028	82343	2977.06	8323.35	1417.0	96.87	1.50	0.55	0.24	0.84
5029	82344	2977.06	8323.35	1414.0	97.14	1.66	0.50	0.16	0.54
5030	82345	2976.83	8327.00	1417.0	93.50	5.61	0.38	0.14	0.37
5031	82346	2976.83	8327.00	1414.0	96.87	2.17	0.54	0.09	0.33
5032	82347	2973.18	8326.77	1417.0	97.17	2.05	0.44	0.08	0.26
5033	82348	2973.18	8326.77	1414.0	97.54	1.60	0.45	0.08	0.33
5034	82349	2969.53	8326.53	1417.0	96.21	2.64	0.85	0.02	0.28
5035	82350	2969.53	8326.53	1414.0	97.23	2.00	0.62	0.03	0.12
5036	82351	2965.87	8326.30	1417.0	94.52	4.67	0.41	0.11	0.29
5037	82352	2965.87	8326.30	1414.0	94.51	4.82	0.40	0.07	0.20
5038	82353	2962.22	8326.07	1417.0	96.70	2.44	0.60	0.06	0.20
5039	82354	2962.22	8326.07	1414.0	96.18	2.68	0.83	0.05	0.26
5040	82355	2961.99	8329.72	1417.0	90.41	8.65	0.23	0.08	0.63
5041	82356	2961.99	8329.72	1414.0	95.94	3.26	0.47	0.05	0.28
5042	82357	2965.64	8329.95	1417.0	94.89	4.13	0.53	0.08	0.37
5043	82358	2965.64	8329.95	1414.0	95.55	2.70	1.52	0.07	0.16
5044	82359	2969.29	8330.18	1417.0	95.16	3.92	0.58	0.10	0.24
5045	82360	2969.29	8330.18	1414.0	97.06	2.02	0.46	0.11	0.35
5046	82361	2972.95	8330.42	1417.0	96.51	2.73	0.49	0.06	0.21
5047	82362	2972.95	8330.42	1414.0	96.76	2.37	0.46	0.11	0.30
5048	82363	2976.60	8330.65	1417.0	97.37	1.61	0.55	0.11	0.36
5049	82364	2976.60	8330.65	1414.0	97.45	1.54	0.42	0.14	0.45
5050	82365	2976.36	8334.30	1417.0	97.05	1.96	0.44	0.13	0.42
5051	82366	2976.36	8334.30	1414.0	97.17	1.70	0.44	0.16	0.53
5052	82367	2972.71	8334.07	1417.0	97.42	1.84	0.45	0.07	0.22
5053	82368	2972.71	8334.07	1414.0	97.06	2.14	0.45	0.09	0.26
5054	82369	2969.06	8333.84	1417.0	89.71	9.44	0.56	0.04	0.25
5055	82370	2969.06	8333.84	1414.0	95.64	3.07	0.66	0.14	0.49
5056	82371	2965.41	8333.60	1417.0	94.54	4.37	0.45	0.08	0.56
5057	82372	2965.41	8333.60	1414.0	89.99	9.42	0.33	0.04	0.22
5058	82373	2961.75	8333.37	1417.0	95.91	3.22	0.45	0.11	0.31
5059	82374	2961.75	8333.37	1414.0	96.45	2.85	0.55	0.04	0.11
5060	82375	2961.45	8337.01	1417.0	96.96	2.17	0.67	0.03	0.17
5061	82376	2961.45	8337.01	1414.0	96.48	2.52	0.87	0.03	0.10
5062	82377	2965.17	8337.26	1417.0	96.78	2.49	0.48	0.04	0.21
5063	82378	2965.17	8337.26	1414.0	95.65	2.83	1.33	0.05	0.14
5064	82379	2968.83	8337.49	1417.0	92.17	7.13	0.40	0.05	0.25
5065	82380	2968.83	8337.49	1414.0	95.75	3.43	0.55	0.04	0.23
5300	84657	3055.09	8287.82	1417.0	96.36	2.64	0.67	0.13	0.20
5301	84658	3055.09	8287.82	1414.0	96.90	2.00	0.80	0.11	0.19
5302	84659	3055.98	8284.48	1417.0	97.01	1.94	0.73	0.11	0.21
5303	84660	3055.98	8284.48	1414.0	97.08	1.86	0.90	0.05	0.11
5304	84661	3056.87	8280.70	1417.0	97.01	1.82	0.61	0.21	0.35
5305	84662	3056.87	8280.70	1414.0	97.08	2.04	0.59	0.11	0.18
5306	84663	3058.35	8277.30	1417.0	97.33	1.87	0.47	0.12	0.21
5307	84664	3058.35	8277.30	1414.0	96.61	2.52	0.62	0.09	0.16
5308	84665	3058.87	8273.68	1417.0	97.24	1.86	0.54	0.13	0.23
5309	84666	3058.87	8273.68	1414.0	96.28	2.69	0.56	0.18	0.29
5310	84667	3055.25	8273.16	1417.0	94.89	3.98	0.59	0.21	0.33
5311	84668	3055.25	8273.16	1414.0	96.25	2.70	0.63	0.16	0.26
5312	84669	3054.72	8276.78	1417.0	95.91	3.33	0.55	0.09	0.12
5313	84670	3054.72	8276.78	1414.0	94.72	3.85	0.66	0.35	0.42
5314	84671	3054.20	8280.40	1417.0	97.35	1.84	0.67	0.04	0.10
5315	84672	3054.20	8280.40	1414.0	97.04	2.18	0.58	0.07	0.13

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
5316	84673	3053.68	8284.02	1417.0	97.64	1.53	0.60	0.08	0.15
5317	84674	3053.68	8284.02	1414.0	96.59	2.69	0.53	0.07	0.12
5318	84675	3053.20	8287.60	1417.0	97.06	1.90	0.59	0.19	0.26
5319	84676	3053.20	8287.60	1414.0	97.17	1.77	0.70	0.15	0.21
5320	84677	3049.53	8287.12	1417.0	97.26	1.39	0.56	0.30	0.49
5321	84678	3049.53	8287.12	1414.0	96.45	1.48	0.68	0.60	0.79
5322	84679	3050.05	8283.50	1417.0	97.65	1.55	0.68	0.04	0.08
5323	84680	3050.05	8283.50	1414.0	97.35	1.91	0.58	0.06	0.10
5324	84681	3050.58	8279.88	1417.0	97.25	2.09	0.51	0.05	0.10
5325	84682	3050.58	8279.88	1414.0	97.28	2.05	0.56	0.03	0.08
5326	84683	3051.10	8276.25	1417.0	97.66	1.56	0.49	0.11	0.18
5327	84684	3051.10	8276.25	1414.0	97.50	1.64	0.57	0.11	0.18
5328	84685	3051.62	8272.63	1417.0	96.52	2.36	0.82	0.11	0.19
5329	84686	3051.62	8272.63	1414.0	97.18	1.95	0.55	0.13	0.19
5330	84687	3047.74	8273.24	1417.0	96.72	2.36	0.70	0.07	0.15
5331	84688	3047.74	8273.24	1414.0	96.16	2.83	0.77	0.08	0.16
5332	84689	3047.48	8275.73	1417.0	97.37	1.71	0.65	0.08	0.19
5333	84690	3047.48	8275.73	1414.0	97.40	1.84	0.58	0.05	0.13
5334	84691	3046.96	8279.35	1417.0	97.27	1.79	0.61	0.11	0.22
5335	84692	3046.96	8279.35	1414.0	96.19	3.08	0.56	0.05	0.12
5336	84693	3046.43	8282.97	1417.0	97.80	1.48	0.59	0.04	0.09
5337	84694	3046.43	8282.97	1414.0	97.26	1.56	0.57	0.24	0.37
5338	84695	3045.91	8286.60	1417.0	97.49	1.50	0.57	0.17	0.27
5339	84696	3045.91	8286.60	1414.0	97.33	1.44	0.56	0.24	0.43
5340	84697	3042.28	8286.07	1417.0	97.32	1.70	0.61	0.13	0.24
5341	84698	3042.28	8286.07	1414.0	97.22	1.62	0.68	0.19	0.29
5342	84699	3042.81	8282.45	1417.0	97.43	1.77	0.67	0.04	0.09
5343	84700	3042.81	8282.45	1414.0	96.76	1.83	0.71	0.29	0.41
5344	84701	3043.33	8278.83	1417.0	97.40	1.93	0.59	0.02	0.06
5345	84702	3043.33	8278.83	1414.0	96.99	2.30	0.61	0.02	0.08
5346	84703	3043.86	8275.21	1417.0	97.10	2.09	0.64	0.05	0.12
5347	84704	3043.86	8275.21	1414.0	97.27	1.78	0.72	0.06	0.17
5348	84705	3040.18	8275.69	1417.0	95.77	3.46	0.58	0.05	0.14
5349	84706	3040.18	8275.69	1414.0	96.96	2.15	0.75	0.04	0.10
5350	84707	3039.71	8278.30	1417.0	96.72	2.46	0.59	0.08	0.15
5351	84708	3039.71	8278.30	1414.0	96.05	3.26	0.58	0.03	0.08
5352	84709	3039.19	8281.93	1417.0	96.43	2.94	0.55	0.02	0.06
5353	84710	3039.19	8281.93	1414.0	95.87	3.53	0.52	0.02	0.06
5354	84711	3038.66	8285.55	1417.0	96.86	2.33	0.53	0.09	0.19
5355	84712	3038.66	8285.55	1414.0	96.11	3.14	0.56	0.06	0.13
5356	84713	3035.06	8285.15	1417.0	97.09	2.06	0.69	0.04	0.12
5357	84714	3035.06	8285.15	1414.0	95.94	3.06	0.80	0.07	0.13
5358	84715	3035.56	8281.40	1417.0	97.24	2.03	0.65	0.02	0.06
5359	84716	3035.56	8281.40	1414.0	96.49	2.52	0.72	0.09	0.18
5360	84717	3036.09	8277.78	1417.0	96.56	2.61	0.73	0.02	0.08
5361	84718	3036.09	8277.78	1414.0	96.27	2.96	0.63	0.04	0.10
5400	84966	3011.94	8296.02	1417.0	97.68	1.58	0.54	0.03	0.17
5401	84967	3011.94	8296.02	1414.0	97.84	1.55	0.53	0.03	0.05
5402	84968	3015.56	8296.54	1417.0	96.98	1.99	0.59	0.08	0.36
5403	84969	3015.56	8296.54	1414.0	97.16	2.05	0.65	0.01	0.13
5404	84970	3019.18	8297.06	1417.0	96.31	2.14	0.66	0.24	0.65
5405	84971	3019.18	8297.06	1414.0	96.16	2.67	0.67	0.14	0.36
5406	84972	3022.80	8297.58	1417.0	90.57	7.85	0.93	0.11	0.54
5407	84973	3022.80	8297.58	1414.0	88.37	10.30	0.70	0.11	0.52
5408	84974	3026.43	8298.09	1417.0	91.91	6.98	0.71	0.10	0.30
5409	84975	3026.43	8298.09	1414.0	96.64	2.02	0.62	0.17	0.55
5410	84976	3030.05	8298.61	1417.0	97.16	1.71	0.83	0.10	0.20
5411	84977	3030.05	8298.61	1414.0	97.51	1.43	0.68	0.13	0.25
5412	84978	3032.52	8299.03	1417.0	95.88	2.76	1.04	0.11	0.21

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
5413	84979	3032.52	8299.03	1414.0	96.42	1.99	1.12	0.17	0.30
5414	84980	3033.03	8295.27	1417.0	96.12	2.06	0.63	0.43	0.76
5415	84981	3033.03	8295.27	1414.0	95.39	3.48	0.78	0.11	0.24
5416	84982	3030.57	8294.99	1417.0	95.88	2.23	1.66	0.06	0.17
5417	84983	3030.57	8294.99	1414.0	96.45	1.77	1.48	0.10	0.20
5418	84984	3026.95	8294.47	1417.0	96.90	1.90	0.88	0.08	0.24
5419	84985	3026.95	8294.47	1414.0	95.49	3.14	0.95	0.13	0.29
5420	84986	3023.32	8293.95	1417.0	89.06	8.66	1.79	0.11	0.38
5421	84987	3023.32	8293.95	1414.0	87.60	10.86	0.94	0.14	0.46
5422	84988	3019.70	8293.44	1417.0	96.82	2.05	0.53	0.18	0.42
5423	84989	3019.70	8293.44	1414.0	96.67	2.23	0.69	0.10	0.31
5424	84990	3016.08	8292.92	1417.0	96.91	2.25	0.62	0.05	0.17
5425	84991	3016.08	8292.92	1414.0	96.74	2.08	0.82	0.09	0.27
5426	84992	3012.45	8292.40	1417.0	97.84	1.48	0.43	0.06	0.19
5427	84993	3012.45	8292.40	1414.0	97.76	1.44	0.54	0.07	0.19
5428	84994	3012.97	8288.78	1417.0	97.54	1.73	0.54	0.04	0.15
5429	84995	3012.97	8288.78	1414.0	97.70	1.51	0.59	0.04	0.16
5430	84996	3016.59	8289.29	1417.0	97.14	1.87	0.76	0.05	0.18
5431	84997	3016.59	8289.29	1414.0	95.92	2.79	0.86	0.10	0.33
5432	84998	3020.22	8289.81	1417.0	95.22	3.42	0.75	0.14	0.47
5433	84999	3020.22	8289.81	1414.0	94.82	3.76	1.20	0.03	0.19
5434	85000	3023.84	8290.33	1417.0	92.87	5.52	1.13	0.09	0.39
5435	85001	3023.84	8290.33	1414.0	93.91	4.80	0.89	0.06	0.34
5436	85002	3027.46	8290.85	1417.0	96.47	2.25	0.99	0.07	0.22
5437	85003	3027.46	8290.85	1414.0	96.96	1.75	1.04	0.07	0.18
5438	85004	3031.09	8291.37	1417.0	96.19	2.01	1.66	0.03	0.11
5439	85005	3031.09	8291.37	1414.0	96.59	1.83	1.40	0.05	0.13
5440	85006	3031.60	8287.74	1417.0	96.90	1.90	1.07	0.03	0.10
5441	85007	3031.60	8287.74	1414.0	95.14	3.64	1.06	0.06	0.10
5442	85008	3027.98	8287.22	1417.0	94.12	4.66	1.06	0.04	0.12
5443	85009	3027.98	8287.22	1414.0	95.84	3.13	0.89	0.04	0.10
5444	85010	3024.36	8286.71	1417.0	96.26	2.36	1.00	0.08	0.30
5445	85011	3024.36	8286.71	1414.0	96.38	2.34	0.92	0.09	0.27
5446	85012	3020.73	8286.19	1417.0	96.54	2.30	0.82	0.07	0.27
5447	85013	3020.73	8286.19	1414.0	91.01	7.74	0.84	0.07	0.34
5448	85014	3017.11	8285.67	1417.0	97.39	1.69	0.72	0.04	0.16
5449	85015	3017.11	8285.67	1414.0	96.96	1.83	0.82	0.13	0.26
5450	85016	3013.49	8285.15	1417.0	97.45	1.78	0.52	0.06	0.19
5451	85017	3013.49	8285.15	1414.0	96.68	1.74	1.36	0.05	0.17
5452	85018	3014.01	8281.53	1417.0	97.23	1.81	0.66	0.07	0.23
5453	85019	3014.01	8281.53	1414.0	97.19	1.68	0.90	0.06	0.17
5454	85020	3017.63	8282.05	1417.0	96.99	1.89	0.82	0.08	0.22
5455	85021	3017.63	8282.05	1414.0	96.18	2.49	0.98	0.10	0.25
5456	85022	3021.25	8282.57	1417.0	96.07	2.77	0.84	0.07	0.25
5457	85023	3021.25	8282.57	1414.0	94.94	3.76	0.86	0.10	0.34
5458	85024	3024.88	8283.08	1417.0	93.49	5.01	1.12	0.09	0.29
5459	85025	3024.88	8283.08	1414.0	93.66	4.74	1.21	0.07	0.32
5460	85026	3028.50	8283.60	1417.0	87.66	11.26	0.45	0.19	0.44
5461	85027	3028.50	8283.60	1414.0	95.12	3.94	0.83	0.02	0.09
5462	85028	3032.12	8284.12	1417.0	94.45	4.86	0.51	0.05	0.13
5463	85029	3032.12	8284.12	1414.0	96.14	2.86	0.89	0.02	0.09
5464	85030	3032.64	8280.50	1417.0	92.38	6.89	0.62	0.02	0.09
5465	85031	3032.64	8280.50	1414.0	96.11	3.04	0.72	0.03	0.10
5466	85032	3029.02	8279.98	1417.0	93.75	5.41	0.74	0.02	0.08
5467	85033	3029.02	8279.98	1414.0	95.59	3.40	0.84	0.05	0.12
5468	85034	3025.39	8279.46	1417.0	86.38	11.90	1.16	0.13	0.43
5469	85035	3025.39	8279.46	1414.0	90.89	7.56	0.96	0.16	0.43
5470	85036	3021.77	8278.94	1417.0	92.96	5.71	0.87	0.13	0.33
5471	85037	3021.77	8278.94	1414.0	91.73	6.79	1.00	0.13	0.35

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
5472	85038	3018.15	8278.42	1417.0	96.03	2.76	0.89	0.10	0.22
5473	85039	3018.15	8278.42	1414.0	95.95	2.82	0.90	0.10	0.23
5474	85040	3014.52	8277.91	1417.0	97.38	1.66	0.77	0.04	0.15
5475	85041	3014.52	8277.91	1414.0	97.04	1.86	0.84	0.07	0.19
5476	85042	3015.04	8274.28	1417.0	96.32	2.67	0.79	0.05	0.17
5477	85043	3015.04	8274.28	1414.0	96.69	2.42	0.71	0.04	0.14
5478	85044	3018.66	8274.80	1417.0	96.20	2.50	0.98	0.09	0.23
5479	85045	3018.66	8274.80	1414.0	94.35	4.33	0.96	0.11	0.25
5480	85046	3022.29	8275.32	1417.0	95.52	3.12	1.01	0.09	0.26
5481	85047	3022.29	8275.32	1414.0	92.36	5.78	0.87	0.29	0.70
5482	85048	3025.63	8277.00	1417.0	96.25	2.59	0.93	0.04	0.19
5483	85049	3025.63	8277.00	1414.0	87.70	11.12	0.75	0.07	0.36
5484	85050	3015.21	8272.40	1417.0	95.29	3.68	0.83	0.04	0.16
5485	85051	3015.21	8272.40	1414.0	96.78	2.24	0.75	0.05	0.18
5500	84897	3010.52	8403.99	1417.0	97.01	1.65	1.05	0.08	0.21
5501	84898	3010.52	8403.99	1414.0	96.44	2.44	0.92	0.05	0.15
5502	84899	3014.15	8404.48	1417.0	96.33	2.57	0.77	0.10	0.23
5503	84900	3014.15	8404.48	1414.0	97.35	1.74	0.72	0.05	0.14
5504	84901	3013.66	8408.11	1417.0	97.12	1.62	1.12	0.03	0.11
5505	84902	3013.66	8408.11	1414.0	97.36	1.53	0.91	0.05	0.15
5506	84903	3010.03	8407.62	1417.0	97.21	1.64	1.03	0.03	0.09
5507	84904	3010.03	8407.62	1414.0	97.06	1.61	1.23	0.02	0.08
5508	84905	3009.54	8411.25	1417.0	97.23	1.74	0.89	0.03	0.11
5509	84906	3009.54	8411.25	1414.0	97.08	1.72	1.00	0.04	0.16
5510	84907	3013.17	8411.74	1417.0	97.32	1.48	1.02	0.04	0.14
5511	84908	3013.17	8411.74	1414.0	97.49	1.36	0.93	0.06	0.16
5512	84909	3012.68	8415.36	1417.0	96.91	2.11	0.76	0.06	0.16
5513	84910	3012.68	8415.36	1414.0	97.44	1.52	0.82	0.04	0.18
5514	84911	3009.05	8414.87	1417.0	97.58	1.65	0.61	0.02	0.14
5515	84912	3009.05	8414.87	1414.0	97.45	1.62	0.81	0.01	0.11
5516	84913	3008.56	8418.50	1417.0	97.64	1.51	0.67	0.02	0.16
5517	84914	3008.56	8418.50	1414.0	97.33	1.54	0.86	0.05	0.22
5518	84915	3012.19	8418.99	1417.0	97.45	1.52	0.95	0.01	0.07
5519	84916	3012.19	8418.99	1414.0	97.89	1.27	0.75	0.01	0.08
5520	84917	3015.81	8419.48	1417.0	97.84	1.26	0.82	0.01	0.07
5521	84918	3015.81	8419.48	1414.0	97.57	1.34	0.97	0.01	0.11
5522	84919	3019.44	8419.97	1417.0	97.98	1.21	0.70	0.01	0.10
5523	84920	3019.44	8419.97	1414.0	97.54	1.40	0.92	0.02	0.12
5524	84921	3019.93	8416.34	1417.0	91.99	6.54	0.82	0.21	0.44
5525	84922	3019.93	8416.34	1414.0	96.11	2.58	0.84	0.15	0.32
5526	84923	3016.30	8415.85	1417.0	97.26	1.60	0.94	0.06	0.14
5527	84924	3016.30	8415.85	1414.0	97.27	1.41	0.99	0.07	0.26
5528	84925	3016.79	8412.22	1417.0	97.06	1.49	0.98	0.10	0.37
5529	84926	3016.79	8412.22	1414.0	97.01	1.52	1.12	0.07	0.28
5530	84927	3020.42	8412.71	1417.0	97.56	1.50	0.64	0.05	0.25
5531	84928	3020.42	8412.71	1414.0	97.29	1.38	0.88	0.13	0.32
5532	84929	3020.91	8409.09	1417.0	97.26	1.67	0.73	0.09	0.25
5533	84930	3020.91	8409.09	1414.0	97.43	1.50	0.73	0.09	0.25
5534	84931	3017.28	8408.60	1417.0	97.52	1.31	0.84	0.05	0.28
5535	84932	3017.28	8408.60	1414.0	97.27	1.36	0.98	0.11	0.28
5536	84933	3017.77	8404.97	1417.0	96.92	1.77	0.90	0.11	0.30
5537	84934	3017.77	8404.97	1414.0	96.91	1.94	0.72	0.15	0.28
5538	84935	3021.40	8405.46	1417.0	95.83	2.48	1.03	0.19	0.47
5539	84936	3021.40	8405.46	1414.0	97.05	1.76	0.88	0.10	0.21
5540	84937	3025.03	8405.95	1417.0	95.79	3.24	0.73	0.07	0.17
5541	84938	3025.03	8405.95	1414.0	94.90	3.99	0.75	0.11	0.25
5542	84939	3024.62	8408.74	1417.0	97.09	1.87	0.85	0.04	0.15
5544	84940	3022.56	8410.40	1417.0	96.95	1.52	0.89	0.17	0.47
5545	84941	3022.56	8410.40	1414.0	97.03	1.74	0.96	0.06	0.21



## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
5546	84942	3028.25	8409.30	1417.0	95.54	1.77	2.42	0.06	0.21
5547	84943	3028.25	8409.30	1414.0	95.44	2.41	1.62	0.17	0.36
5548	84944	3028.65	8406.44	1417.0	95.18	3.15	1.30	0.13	0.24
5549	84945	3028.65	8406.44	1414.0	96.18	2.50	0.86	0.15	0.31
5550	84946	3032.28	8406.93	1417.0	96.22	2.81	0.78	0.07	0.12
5551	84947	3032.28	8406.93	1414.0	95.94	2.57	1.34	0.05	0.10
5552	84948	3031.89	8409.38	1417.0	93.88	3.56	2.34	0.08	0.14
5553	84949	3031.89	8409.38	1414.0	94.92	3.24	1.69	0.06	0.09
5554	84950	3018.95	8423.60	1417.0	98.05	1.17	0.62	0.04	0.12
5555	84951	3018.95	8423.60	1414.0	97.78	1.34	0.72	0.05	0.11
5556	84952	3015.32	8423.11	1417.0	97.72	1.43	0.72	0.03	0.10
5557	84953	3015.32	8423.11	1414.0	97.38	1.40	0.96	0.05	0.21
5558	84954	3011.70	8422.62	1417.0	97.57	1.59	0.75	0.01	0.08
5559	84955	3011.70	8422.62	1414.0	97.79	1.45	0.67	0.01	0.08
5560	84956	3008.07	8422.13	1417.0	97.74	1.53	0.67	0.01	0.05
5561	84957	3008.07	8422.13	1414.0	97.25	1.99	0.68	0.01	0.07
5562	84958	3007.58	8425.75	1417.0	97.73	1.50	0.71	0.01	0.05
5563	84959	3007.58	8425.75	1414.0	97.99	1.28	0.64	0.01	0.08
5564	84960	3011.21	8426.24	1417.0	97.85	1.35	0.68	0.02	0.10
5565	84961	3011.21	8426.24	1414.0	97.83	1.38	0.70	0.01	0.08
5566	84962	3014.83	8426.73	1417.0	97.64	1.46	0.75	0.02	0.13
5567	84963	3014.83	8426.73	1414.0	97.63	1.23	0.93	0.05	0.16
5568	84964	3018.46	8427.22	1417.0	98.08	1.16	0.60	0.03	0.13
5569	84965	3018.46	8427.22	1414.0	97.76	1.41	0.62	0.06	0.15
5600	82529	2981.37	8336.68	1417.0	96.97	1.93	0.44	0.20	0.46
5600	85128	3014.49	8341.09	1417.0	97.96	1.26	0.45	0.09	0.24
5601	82530	2981.37	8336.68	1414.0	96.73	2.40	0.38	0.13	0.36
5601	85129	3014.49	8341.09	1414.0	97.49	1.72	0.50	0.07	0.22
5602	82531	2981.16	8333.03	1417.0	97.06	1.59	0.45	0.25	0.65
5602	85130	3010.83	8340.93	1417.0	97.94	1.44	0.48	0.04	0.10
5603	82532	2981.16	8333.03	1414.0	97.45	1.59	0.46	0.14	0.36
5603	85131	3010.83	8340.93	1414.0	98.08	1.40	0.42	0.03	0.07
5604	82533	2980.95	8329.37	1417.0	96.09	2.70	0.45	0.16	0.60
5604	85132	3007.18	8340.76	1417.0	97.27	1.85	0.46	0.11	0.31
5605	82534	2980.95	8329.37	1414.0	96.72	2.35	0.56	0.09	0.28
5605	85133	3007.18	8340.76	1414.0	97.22	1.54	0.87	0.10	0.27
5606	82535	2980.74	8325.72	1417.0	97.53	1.50	0.47	0.11	0.39
5606	85134	3007.01	8344.42	1417.0	97.48	1.56	0.49	0.13	0.34
5607	82536	2980.74	8325.72	1414.0	97.79	1.34	0.43	0.11	0.33
5607	85135	3007.01	8344.42	1414.0	97.43	1.48	0.57	0.12	0.40
5608	82537	2980.53	8322.07	1417.0	94.06	4.93	0.53	0.13	0.35
5608	85136	3010.67	8344.58	1417.0	97.91	1.49	0.36	0.06	0.18
5609	82538	2980.53	8322.07	1414.0	96.55	2.39	0.56	0.13	0.37
5609	85137	3010.67	8344.58	1414.0	97.67	1.51	0.58	0.06	0.18
5610	82539	2980.32	8318.41	1417.0	96.50	2.31	0.62	0.16	0.41
5610	85138	3014.33	8344.75	1417.0	97.48	1.63	0.53	0.10	0.26
5611	82540	2980.32	8318.41	1414.0	97.24	1.50	0.66	0.14	0.46
5611	85139	3014.33	8344.75	1414.0	97.18	2.05	0.39	0.11	0.27
5612	82541	2980.11	8314.76	1417.0	97.22	1.70	0.70	0.08	0.30
5612	85140	3014.16	8348.40	1417.0	98.01	1.33	0.37	0.07	0.22
5613	82542	2980.11	8314.76	1414.0	97.44	1.70	0.53	0.07	0.26
5613	85141	3014.16	8348.40	1414.0	97.74	1.60	0.38	0.07	0.21
5614	82543	2983.76	8314.55	1417.0	96.84	1.61	0.53	0.24	0.78
5614	85142	3010.51	8348.24	1417.0	97.69	1.34	0.43	0.12	0.42
5615	82544	2983.76	8314.55	1414.0	97.29	1.42	0.71	0.12	0.46
5615	85143	3010.51	8348.24	1414.0	98.04	1.32	0.38	0.05	0.21
5616	82545	2983.97	8318.20	1417.0	96.22	2.47	0.76	0.14	0.41
5616	85144	3006.85	8348.08	1417.0	98.08	1.33	0.38	0.05	0.16
5617	82546	2983.97	8318.20	1414.0	96.75	1.70	0.96	0.15	0.44

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
5617	85145	3006.85	8348.08	1414.0	97.93	1.52	0.38	0.04	0.13
5618	82547	2984.18	8321.86	1417.0	96.36	2.25	0.65	0.18	0.56
5618	85146	3006.69	8351.73	1417.0	98.05	1.42	0.39	0.04	0.10
5619	82548	2984.18	8321.86	1414.0	90.05	8.80	0.52	0.16	0.47
5619	85147	3006.69	8351.73	1414.0	98.08	1.37	0.40	0.04	0.11
5620	82549	2984.39	8325.51	1417.0	96.01	2.04	1.11	0.13	0.71
5620	85148	3010.34	8351.90	1417.0	97.89	1.59	0.36	0.04	0.12
5621	82550	2984.39	8325.51	1414.0	96.55	1.66	1.34	0.12	0.33
5621	85149	3010.34	8351.90	1414.0	97.65	1.82	0.40	0.04	0.09
5622	82551	2984.60	8329.16	1417.0	93.14	5.10	0.56	0.39	0.81
5622	85150	3014.00	8352.06	1417.0	98.00	1.46	0.34	0.05	0.15
5623	82552	2984.60	8329.16	1414.0	95.66	2.14	1.52	0.21	0.47
5623	85151	3014.00	8352.06	1414.0	97.86	1.49	0.45	0.07	0.13
5624	82553	2984.81	8332.82	1417.0	96.19	1.70	1.05	0.22	0.84
5624	85152	3013.84	8355.71	1417.0	98.14	1.33	0.38	0.04	0.11
5625	82554	2984.81	8332.82	1414.0	94.13	2.54	0.83	0.79	1.71
5625	85153	3013.84	8355.71	1414.0	97.62	1.78	0.44	0.04	0.12
5626	82555	2985.02	8336.47	1417.0	97.59	1.25	0.42	0.20	0.54
5626	85154	3010.18	8355.55	1417.0	98.03	1.44	0.39	0.04	0.10
5627	82556	2985.02	8336.47	1414.0	96.79	1.64	0.61	0.18	0.78
5627	85155	3010.18	8355.55	1414.0	97.77	1.64	0.42	0.06	0.11
5628	82557	2988.67	8336.26	1417.0	97.81	1.31	0.45	0.12	0.31
5628	85156	3006.52	8355.39	1417.0	97.68	1.54	0.52	0.06	0.20
5629	82558	2988.67	8336.26	1414.0	97.41	1.51	0.66	0.11	0.31
5629	85157	3006.52	8355.39	1414.0	98.08	1.37	0.39	0.04	0.12
5630	82559	2988.47	8332.61	1417.0	97.32	1.57	0.52	0.16	0.43
5630	85158	3006.36	8359.04	1417.0	96.59	1.32	0.71	0.17	1.21
5631	82560	2988.47	8332.61	1414.0	97.57	1.56	0.52	0.09	0.26
5631	85159	3006.36	8359.04	1414.0	97.83	1.46	0.42	0.06	0.23
5632	85160	3010.02	8359.21	1417.0	98.18	1.28	0.39	0.03	0.12
5633	82561	2988.26	8328.95	1414.0	96.62	2.25	0.78	0.09	0.26
5633	85161	3010.02	8359.21	1414.0	97.96	1.41	0.36	0.08	0.19
5634	82562	2988.05	8325.30	1417.0	98.02	1.29	0.50	0.05	0.14
5634	85162	3013.67	8359.37	1417.0	98.03	1.36	0.37	0.07	0.17
5635	82563	2988.05	8325.30	1414.0	97.51	1.57	0.60	0.07	0.25
5635	85163	3013.67	8359.37	1414.0	97.24	2.00	0.42	0.10	0.24
5636	82564	2987.84	8321.65	1417.0	96.37	2.59	0.64	0.08	0.32
5636	85164	3002.70	8358.88	1417.0	97.37	1.47	0.52	0.15	0.49
5637	82565	2987.84	8321.65	1414.0	96.20	2.09	1.18	0.16	0.37
5637	85165	3002.70	8358.88	1414.0	97.24	1.50	0.56	0.16	0.54
5638	82566	2987.63	8317.99	1417.0	97.17	1.61	0.83	0.12	0.27
5638	85166	2999.05	8358.72	1417.0	97.07	1.79	0.44	0.16	0.54
5639	82567	2987.63	8317.99	1414.0	97.63	1.43	0.63	0.09	0.22
5639	85167	2999.05	8358.72	1414.0	95.97	1.54	1.83	0.16	0.50
5640	82568	2987.42	8314.34	1417.0	97.16	1.49	1.02	0.09	0.24
5640	85168	2995.39	8358.55	1417.0	97.84	1.46	0.46	0.05	0.19
5641	82569	2987.42	8314.34	1414.0	97.08	1.46	1.24	0.06	0.16
5641	85169	2995.39	8358.55	1414.0	97.38	1.50	0.61	0.08	0.43
5642	82570	2991.07	8314.13	1417.0	95.94	1.79	1.93	0.09	0.25
5642	85170	2995.55	8354.90	1417.0	97.14	1.77	0.60	0.07	0.42
5643	82571	2991.07	8314.13	1414.0	95.22	1.85	2.66	0.06	0.21
5643	85171	2995.55	8354.90	1414.0	96.59	1.58	1.61	0.04	0.18
5644	82572	2991.28	8317.78	1417.0	97.64	1.31	0.81	0.04	0.20
5644	85172	2999.21	8355.06	1417.0	97.46	1.71	0.53	0.07	0.23
5645	82573	2991.28	8317.78	1414.0	95.02	1.83	2.85	0.08	0.22
5645	85173	2999.21	8355.06	1414.0	96.87	1.61	1.26	0.06	0.20
5646	82574	2991.49	8321.44	1417.0	97.39	1.48	0.83	0.09	0.21
5646	85174	3002.87	8355.22	1417.0	97.98	1.36	0.48	0.04	0.14
5647	82575	2991.49	8321.44	1414.0	96.43	2.37	0.87	0.11	0.22



Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
5647	85175	3002.87	8355.22	1414.0	97.69	1.43	0.57	0.07	0.24
5648	82576	2991.70	8325.09	1417.0	97.69	1.33	0.67	0.10	0.21
5648	85176	3003.03	8351.57	1417.0	97.79	1.49	0.56	0.03	0.13
5649	82577	2991.70	8325.09	1414.0	97.65	1.28	0.62	0.15	0.30
5649	85177	3003.03	8351.57	1414.0	97.58	1.40	0.80	0.05	0.17
5650	82578	2991.91	8328.75	1417.0	97.27	1.33	1.03	0.10	0.27
5650	85178	2999.37	8351.41	1417.0	97.16	1.55	0.75	0.12	0.42
5651	82579	2991.91	8328.75	1414.0	97.74	1.31	0.73	0.07	0.15
5651	85179	2999.37	8351.41	1414.0	97.28	1.50	0.77	0.10	0.35
5652	82580	2992.12	8332.40	1417.0	97.37	1.38	0.77	0.14	0.34
5652	85180	2995.72	8351.24	1417.0	97.16	1.88	0.48	0.09	0.39
5653	82581	2992.12	8332.40	1414.0	96.90	1.53	1.12	0.14	0.31
5653	85181	2995.72	8351.24	1414.0	97.25	1.56	0.66	0.12	0.41
5654	82582	2992.33	8336.05	1417.0	96.32	1.59	1.40	0.16	0.53
5654	85182	2995.88	8347.58	1417.0	97.98	1.38	0.55	0.02	0.07
5655	82583	2992.33	8336.05	1414.0	96.81	1.78	0.79	0.19	0.43
5655	85183	2995.88	8347.58	1414.0	97.82	1.27	0.75	0.04	0.12
5656	82584	2995.98	8335.84	1417.0	97.30	1.20	0.70	0.21	0.59
5656	85184	2999.54	8347.75	1417.0	97.94	1.34	0.57	0.04	0.11
5657	82585	2995.98	8335.84	1414.0	97.15	1.69	0.55	0.17	0.44
5657	85185	2999.54	8347.75	1414.0	97.74	1.53	0.57	0.04	0.12
5658	82586	2995.77	8332.19	1417.0	96.63	1.42	0.64	0.37	0.94
5658	85186	3003.19	8347.91	1417.0	98.11	1.25	0.56	0.02	0.06
5659	82587	2995.77	8332.19	1414.0	94.74	3.96	0.82	0.18	0.30
5659	85187	3003.19	8347.91	1414.0	98.05	1.33	0.54	0.02	0.06
5660	82588	2995.56	8328.54	1417.0	97.70	1.47	0.48	0.08	0.27
5660	85188	3003.36	8344.26	1417.0	97.24	1.84	0.73	0.05	0.14
5661	82589	2995.56	8328.54	1414.0	96.65	1.93	1.12	0.07	0.23
5661	85189	3003.36	8344.26	1414.0	97.31	1.41	1.09	0.05	0.14
5662	82590	2995.35	8324.88	1417.0	96.97	1.69	0.91	0.12	0.31
5662	85190	2999.70	8344.09	1417.0	97.34	1.47	0.64	0.16	0.39
5663	82591	2995.35	8324.88	1414.0	96.92	1.72	1.12	0.06	0.18
5663	85191	2999.70	8344.09	1414.0	97.50	1.48	0.83	0.05	0.14
5664	82592	2995.15	8321.23	1417.0	94.51	4.16	0.94	0.10	0.29
5664	85192	2996.04	8343.93	1417.0	98.11	1.22	0.50	0.05	0.12
5665	82593	2995.15	8321.23	1414.0	95.46	2.88	1.12	0.11	0.43
5665	85193	2996.04	8343.93	1414.0	98.03	1.23	0.55	0.06	0.13
5666	82594	2994.94	8317.57	1417.0	95.06	3.61	0.91	0.12	0.30
5666	85194	2996.21	8340.27	1417.0	97.62	1.46	0.61	0.10	0.21
5667	82595	2994.94	8317.57	1414.0	94.48	4.06	1.12	0.09	0.25
5667	85195	2996.21	8340.27	1414.0	97.67	1.43	0.66	0.08	0.16
5668	82596	2994.73	8313.92	1417.0	93.64	4.87	1.12	0.10	0.27
5668	85196	2999.86	8340.44	1417.0	97.12	1.75	0.59	0.16	0.38
5669	82597	2994.73	8313.92	1414.0	94.98	3.46	1.02	0.18	0.36
5669	85197	2999.86	8340.44	1414.0	97.56	1.53	0.60	0.09	0.22
5670	82598	2998.38	8313.71	1417.0	96.72	1.65	1.12	0.10	0.41
5670	85198	3003.52	8340.60	1417.0	97.30	1.54	0.62	0.16	0.38
5671	82599	2998.38	8313.71	1414.0	95.94	2.50	1.12	0.11	0.33
5671	85199	3003.52	8340.60	1414.0	96.33	1.66	1.58	0.14	0.29
5672	82600	2998.59	8317.36	1417.0	97.78	1.31	0.64	0.07	0.20
5673	82601	2998.59	8317.36	1414.0	97.03	1.53	1.08	0.10	0.26
5674	82602	2998.80	8321.02	1417.0	97.51	1.53	0.55	0.10	0.31
5675	82603	2998.80	8321.02	1414.0	97.06	1.65	0.87	0.11	0.31
5676	82604	2999.01	8324.67	1417.0	97.06	2.15	0.57	0.05	0.17
5677	82605	2999.01	8324.67	1414.0	97.10	1.71	0.67	0.15	0.37
5678	82606	2999.22	8328.33	1417.0	96.34	2.31	0.89	0.13	0.33
5679	82607	2999.22	8328.33	1414.0	96.93	1.75	0.56	0.20	0.56
5680	82608	2999.43	8331.98	1417.0	97.71	1.43	0.48	0.09	0.29
5681	82609	2999.43	8331.98	1414.0	96.98	1.87	0.56	0.14	0.45

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
5682	82610	2999.64	8335.63	1417.0	97.43	1.55	0.53	0.12	0.37
5683	82611	2999.64	8335.63	1414.0	96.99	1.64	1.08	0.07	0.22
5700	82612	3002.39	8336.20	1417.0	94.51	2.72	2.52	0.06	0.19
5701	82613	3002.39	8336.20	1414.0	97.53	1.49	0.60	0.09	0.29
5702	82614	3002.34	8332.54	1417.0	97.42	1.57	0.63	0.09	0.29
5703	82615	3002.34	8332.54	1414.0	97.04	1.80	0.50	0.16	0.50
5704	82616	3002.28	8328.88	1417.0	97.85	1.38	0.47	0.07	0.23
5705	82617	3002.28	8328.88	1414.0	97.11	1.85	0.46	0.13	0.45
5706	82618	3002.22	8325.22	1417.0	96.93	1.73	0.77	0.14	0.43
5707	82619	3002.22	8325.22	1414.0	97.70	1.60	0.47	0.05	0.18
5708	82620	3002.16	8321.56	1417.0	97.11	2.05	0.43	0.11	0.30
5709	82621	3002.16	8321.56	1414.0	97.43	1.80	0.46	0.07	0.24
5710	82622	3002.10	8317.91	1417.0	96.16	2.82	0.45	0.15	0.42
5711	82623	3002.10	8317.91	1414.0	97.41	1.85	0.46	0.06	0.22
5712	82624	3002.04	8314.25	1417.0	94.67	4.30	0.76	0.07	0.20
5713	82625	3002.04	8314.25	1414.0	95.59	2.52	1.56	0.08	0.25
5714	82626	3005.70	8314.19	1417.0	96.86	2.03	0.58	0.13	0.40
5715	82627	3005.70	8314.19	1414.0	96.92	1.98	0.69	0.10	0.31
5716	82628	3005.76	8317.85	1417.0	97.57	1.61	0.47	0.08	0.27
5717	82629	3005.76	8317.85	1414.0	97.06	1.99	0.73	0.05	0.17
5718	82630	3005.82	8321.50	1417.0	96.28	2.56	0.67	0.12	0.37
5719	82631	3005.82	8321.50	1414.0	95.38	3.83	0.59	0.05	0.15
5720	82632	3005.88	8325.17	1417.0	96.76	2.19	0.52	0.13	0.40
5721	82633	3005.88	8325.17	1414.0	97.58	1.64	0.53	0.06	0.19
5722	82634	3005.94	8328.82	1417.0	97.74	1.39	0.50	0.09	0.28
5723	82635	3005.94	8328.82	1414.0	97.48	1.79	0.44	0.07	0.22
5724	82636	3006.00	8332.48	1417.0	97.57	1.64	0.55	0.05	0.19
5725	82637	3006.00	8332.48	1414.0	95.29	2.79	1.53	0.08	0.31
5726	82638	3006.05	8336.14	1417.0	97.22	1.74	0.56	0.11	0.37
5727	82639	3006.05	8336.14	1414.0	96.67	1.65	1.30	0.08	0.30
5728	82640	3009.71	8336.08	1417.0	97.80	1.52	0.51	0.04	0.13
5729	82641	3009.71	8336.08	1414.0	96.85	1.50	0.59	0.25	0.81
5730	82642	3009.66	8332.42	1417.0	97.56	1.67	0.50	0.06	0.21
5731	82643	3009.66	8332.42	1414.0	97.53	1.59	0.60	0.07	0.21
5732	82644	3009.60	8328.77	1417.0	97.15	1.90	0.52	0.10	0.33
5733	82645	3009.60	8328.77	1414.0	97.49	1.66	0.51	0.09	0.25
5734	82646	3009.54	8325.11	1417.0	97.06	1.96	0.57	0.09	0.32
5735	82647	3009.54	8325.11	1414.0	97.60	1.61	0.55	0.05	0.19
5736	82648	3009.48	8321.45	1417.0	97.09	2.01	0.59	0.08	0.23
5737	82649	3009.48	8321.45	1414.0	97.00	2.20	0.55	0.05	0.20
5738	82650	3009.42	8317.79	1417.0	97.29	1.86	0.56	0.06	0.23
5739	82651	3009.42	8317.79	1414.0	96.84	2.32	0.58	0.06	0.20
5740	82652	3009.36	8314.13	1417.0	96.31	2.75	0.78	0.04	0.12
5741	82653	3009.36	8314.13	1414.0	96.01	3.06	0.53	0.09	0.31
5742	82654	3013.02	8314.07	1417.0	96.97	2.34	0.48	0.04	0.17
5743	82655	3013.02	8314.07	1414.0	97.14	1.96	0.60	0.09	0.21
5744	82656	3013.08	8317.73	1417.0	97.27	2.05	0.42	0.07	0.19
5745	82657	3013.08	8317.73	1414.0	97.18	1.97	0.54	0.09	0.22
5746	82658	3013.14	8321.39	1417.0	95.91	3.04	0.49	0.14	0.42
5747	82659	3013.14	8321.39	1414.0	97.01	2.12	0.47	0.11	0.29
5748	82660	3013.20	8325.05	1417.0	96.83	2.18	0.69	0.08	0.22
5749	82661	3013.20	8325.05	1414.0	97.07	2.12	0.45	0.10	0.26
5750	82662	3013.26	8328.71	1417.0	97.59	1.55	0.44	0.12	0.30
5751	82663	3013.26	8328.71	1414.0	97.70	1.61	0.46	0.06	0.17
5752	82664	3013.31	8332.37	1417.0	97.79	1.45	0.58	0.05	0.13
5753	82665	3013.31	8332.37	1414.0	97.74	1.51	0.47	0.08	0.20
5756	82666	3016.92	8328.65	1417.0	96.94	1.97	0.52	0.16	0.41
5758	82667	3016.86	8324.99	1417.0	97.17	1.83	0.50	0.14	0.36
5759	82668	3016.86	8324.99	1414.0	97.08	1.95	0.62	0.12	0.23

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
5760	82669	3016.80	8321.33	1417.0	96.31	2.49	0.65	0.18	0.37
5761	82670	3016.80	8321.33	1414.0	96.50	2.46	0.69	0.11	0.24
5762	82671	3016.74	8317.67	1417.0	97.30	1.74	0.56	0.13	0.27
5763	82672	3016.74	8317.67	1414.0	97.58	1.73	0.57	0.04	0.08
5764	82673	3016.68	8314.01	1417.0	97.41	1.72	0.57	0.07	0.23
6100	81685	2940.96	8318.40	1417.0	95.59	3.33	0.49	0.12	0.47
6101	81686	2940.96	8318.40	1414.0	96.21	2.92	0.42	0.07	0.38
6102	81687	2944.61	8318.70	1417.0	95.33	3.19	0.72	0.13	0.63
6103	81688	2944.61	8318.70	1414.0	92.94	4.75	0.62	0.45	1.24
6104	81689	2948.26	8319.00	1417.0	95.80	3.12	0.55	0.10	0.43
6105	81690	2948.26	8319.00	1414.0	96.08	3.02	0.61	0.05	0.24
6106	81691	2951.91	8319.30	1417.0	97.32	1.77	0.61	0.04	0.26
6107	81692	2951.91	8319.30	1414.0	97.23	1.93	0.50	0.05	0.29
6108	81693	2955.55	8319.60	1417.0	96.56	2.38	0.65	0.08	0.33
6109	81694	2955.55	8319.60	1414.0	96.08	2.87	0.82	0.05	0.18
6110	81695	2959.20	8319.90	1417.0	95.30	3.79	0.79	0.03	0.09
6111	81696	2959.20	8319.90	1414.0	96.41	2.64	0.85	0.02	0.08
6112	81697	2958.90	8323.55	1417.0	92.68	6.43	0.48	0.09	0.32
6113	81698	2958.90	8323.55	1414.0	94.03	4.91	0.84	0.05	0.17
6114	81699	2955.25	8323.25	1417.0	96.09	2.89	0.56	0.07	0.39
6115	81700	2955.25	8323.25	1414.0	94.75	4.44	0.53	0.05	0.23
6116	81701	2951.60	8322.95	1417.0	96.52	2.76	0.47	0.04	0.21
6117	81702	2951.60	8322.95	1414.0	96.04	3.12	0.49	0.06	0.29
6118	81703	2947.96	8322.65	1417.0	96.37	2.99	0.41	0.04	0.19
6119	81704	2947.96	8322.65	1414.0	96.46	2.64	0.62	0.06	0.22
6120	81705	2944.31	8322.35	1417.0	95.70	2.97	0.53	0.20	0.60
6121	81706	2944.31	8322.35	1414.0	95.90	3.22	0.46	0.06	0.36
6122	81707	2940.66	8322.05	1417.0	95.76	3.32	0.48	0.10	0.34
6123	81708	2940.66	8322.05	1414.0	95.79	2.76	1.12	0.05	0.28
6124	81709	2940.36	8325.70	1417.0	95.35	3.92	0.37	0.10	0.26
6125	81710	2940.36	8325.70	1414.0	96.30	2.77	0.61	0.07	0.25
6126	81711	2944.01	8326.00	1417.0	96.44	2.68	0.46	0.10	0.32
6127	81712	2944.01	8326.00	1414.0	96.01	3.26	0.49	0.06	0.18
6128	81713	2947.66	8326.30	1417.0	96.40	2.98	0.42	0.04	0.16
6129	81714	2947.66	8326.30	1414.0	96.13	2.81	0.67	0.05	0.34
6130	81715	2951.30	8326.60	1417.0	96.62	2.74	0.42	0.04	0.18
6131	81716	2951.30	8326.60	1414.0	96.30	2.95	0.45	0.05	0.25
6132	81717	2954.95	8326.89	1417.0	95.20	3.86	0.65	0.06	0.23
6133	81718	2954.95	8326.89	1414.0	95.92	2.29	1.38	0.10	0.31
6134	81719	2958.60	8327.20	1417.0	94.89	3.95	0.69	0.10	0.37
6135	81720	2958.60	8327.20	1414.0	95.43	2.57	1.42	0.16	0.42
6136	81721	2958.30	8330.84	1417.0	95.86	3.34	0.54	0.07	0.19
6137	81722	2958.30	8330.84	1414.0	91.83	7.65	0.34	0.04	0.14
6138	81723	2954.65	8330.54	1417.0	95.83	3.28	0.62	0.06	0.21
6139	81724	2954.65	8330.54	1414.0	96.59	2.58	0.49	0.10	0.24
6140	81725	2951.00	8330.24	1417.0	95.71	3.64	0.45	0.04	0.16
6141	81726	2951.00	8330.24	1414.0	96.46	2.88	0.42	0.05	0.19
6142	81727	2947.36	8329.94	1417.0	94.22	5.03	0.46	0.07	0.22
6143	81728	2947.36	8329.94	1414.0	96.23	3.12	0.47	0.05	0.13
6144	81729	2943.71	8329.64	1417.0	96.99	2.10	0.62	0.08	0.21
6145	81730	2943.71	8329.64	1414.0	96.91	2.39	0.40	0.06	0.24
6146	81731	2940.06	8329.34	1417.0	95.46	3.78	0.43	0.06	0.27
6147	81732	2940.06	8329.34	1414.0	96.12	3.06	0.50	0.07	0.25
6148	81733	2939.76	8332.99	1417.0	96.34	2.86	0.40	0.11	0.29
6149	81734	2939.76	8332.99	1414.0	96.61	2.66	0.37	0.08	0.28
6150	81735	2943.41	8333.29	1417.0	93.13	6.14	0.50	0.06	0.17
6151	81736	2943.41	8333.29	1414.0	94.98	4.08	0.66	0.07	0.21
6152	81737	2947.06	8333.59	1417.0	95.92	3.38	0.43	0.06	0.21
6153	81738	2947.06	8333.59	1414.0	94.62	4.71	0.41	0.06	0.20

Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
6154	81739	2950.71	8333.89	1417.0	94.55	4.35	0.69	0.05	0.36
6155	81740	2950.71	8333.89	1414.0	92.13	7.05	0.62	0.03	0.17
6156	81741	2954.35	8334.19	1417.0	92.86	5.36	1.55	0.03	0.20
6157	81742	2954.35	8334.19	1414.0	89.88	9.16	0.68	0.05	0.23
6158	81743	2958.00	8334.49	1417.0	92.63	6.61	0.44	0.04	0.28
6159	81744	2958.00	8334.49	1414.0	88.83	8.94	0.54	0.08	1.61
6160	81745	2957.70	8338.14	1417.0	95.93	3.21	0.46	0.05	0.35
6161	81746	2957.70	8338.14	1414.0	93.82	5.49	0.40	0.04	0.25
6162	81747	2954.05	8337.84	1417.0	95.76	3.43	0.49	0.05	0.27
6163	81748	2954.05	8337.84	1414.0	90.89	7.95	0.77	0.06	0.33
6164	81749	2950.41	8337.54	1417.0	96.16	3.02	0.59	0.05	0.18
6165	81750	2950.41	8337.54	1414.0	92.02	7.13	0.49	0.05	0.31
6166	81751	2946.76	8337.24	1417.0	94.87	4.21	0.48	0.11	0.33
6167	81752	2946.76	8337.24	1414.0	93.10	6.31	0.36	0.05	0.18
6168	81753	2943.11	8336.94	1417.0	96.73	2.36	0.62	0.08	0.21
6169	81754	2943.11	8336.94	1414.0	95.53	3.52	0.71	0.05	0.19
6170	81755	2939.46	8336.64	1417.0	96.86	2.16	0.42	0.07	0.49
6171	81756	2939.46	8336.64	1414.0	97.12	2.14	0.50	0.05	0.19
6200	85052	3013.09	8362.33	1417.0	97.86	1.45	0.46	0.05	0.18
6201	85053	3013.09	8362.33	1414.0	98.00	1.36	0.47	0.05	0.12
6202	85054	3010.15	8362.23	1417.0	97.65	1.66	0.47	0.05	0.17
6203	85055	3010.15	8362.23	1414.0	97.94	1.44	0.38	0.05	0.19
6204	85056	3006.50	8362.06	1417.0	97.76	1.53	0.55	0.03	0.13
6205	85057	3006.50	8362.06	1414.0	97.64	1.67	0.48	0.05	0.16
6206	85058	3002.84	8361.90	1417.0	97.29	1.41	0.59	0.17	0.54
6207	85059	3002.84	8361.90	1414.0	97.38	1.69	0.71	0.05	0.17
6208	85060	2999.19	8361.74	1417.0	97.72	1.53	0.48	0.06	0.21
6209	85061	2999.19	8361.74	1414.0	97.75	1.43	0.52	0.07	0.23
6210	85062	2995.53	8361.57	1417.0	97.61	1.60	0.41	0.09	0.29
6211	85063	2995.53	8361.57	1414.0	97.52	1.48	0.54	0.04	0.42
6212	85064	2995.36	8365.23	1417.0	97.51	1.52	0.38	0.13	0.46
6213	85065	2995.36	8365.23	1414.0	97.58	1.68	0.43	0.07	0.24
6214	85066	2999.02	8365.39	1417.0	97.35	1.82	0.47	0.09	0.27
6215	85067	2999.02	8365.39	1414.0	97.59	1.55	0.45	0.10	0.31
6216	85068	3002.68	8365.56	1417.0	96.46	2.76	0.59	0.04	0.15
6217	85069	3002.68	8365.56	1414.0	97.18	2.06	0.64	0.03	0.09
6218	85070	3006.33	8365.72	1417.0	97.30	1.89	0.54	0.06	0.21
6219	85071	3006.33	8365.72	1414.0	97.54	1.72	0.57	0.04	0.13
6220	85072	3009.99	8365.88	1417.0	97.52	1.68	0.60	0.04	0.16
6221	85073	3009.99	8365.88	1414.0	97.65	1.73	0.44	0.04	0.14
6222	85074	3012.49	8366.01	1417.0	97.86	1.47	0.48	0.05	0.14
6223	85075	3012.49	8366.01	1414.0	97.35	1.87	0.62	0.04	0.12
6224	85076	3012.06	8369.64	1417.0	97.77	1.60	0.41	0.06	0.16
6225	85077	3012.06	8369.64	1414.0	97.38	1.94	0.43	0.09	0.16
6226	85078	3009.83	8369.54	1417.0	97.59	1.65	0.42	0.06	0.28
6227	85079	3009.83	8369.54	1414.0	97.77	1.43	0.40	0.06	0.34
6228	85080	3006.17	8369.38	1417.0	97.24	1.73	0.48	0.14	0.41
6229	85081	3006.17	8369.38	1414.0	97.41	1.69	0.67	0.06	0.17
6230	85082	3002.51	8369.21	1417.0	97.44	1.69	0.52	0.07	0.28
6231	85083	3002.51	8369.21	1414.0	97.67	1.64	0.47	0.05	0.17
6232	85084	2998.86	8369.05	1417.0	97.82	1.45	0.41	0.09	0.23
6233	85085	2998.86	8369.05	1414.0	97.63	1.60	0.44	0.08	0.25
6234	85086	2995.20	8368.88	1417.0	97.42	1.48	0.44	0.09	0.57
6235	85087	2995.20	8368.88	1414.0	97.35	1.82	0.57	0.05	0.21
6236	85088	2995.04	8372.54	1417.0	97.43	1.73	0.43	0.11	0.30
6237	85089	2995.04	8372.54	1414.0	97.83	1.46	0.39	0.08	0.24
6238	85090	2998.69	8372.71	1417.0	97.94	1.34	0.38	0.10	0.24
6239	85091	2998.69	8372.71	1414.0	97.73	1.59	0.44	0.06	0.18
6240	85092	3002.35	8372.87	1417.0	97.61	1.69	0.41	0.07	0.22

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
6241	85093	3002.35	8372.87	1414.0	97.66	1.64	0.45	0.06	0.19
6242	85094	3006.01	8373.03	1417.0	97.66	1.61	0.38	0.09	0.26
6243	85095	3006.01	8373.03	1414.0	97.68	1.63	0.48	0.06	0.15
6244	85096	3009.66	8373.20	1417.0	97.22	2.01	0.50	0.06	0.21
6245	85097	3009.66	8373.20	1414.0	96.97	2.20	0.47	0.11	0.25
6246	85098	3009.50	8376.85	1417.0	98.15	1.32	0.38	0.03	0.12
6247	85099	3009.50	8376.85	1414.0	97.67	1.65	0.46	0.05	0.17
6248	85100	3005.84	8376.69	1417.0	97.15	2.05	0.46	0.08	0.26
6249	85101	3005.84	8376.69	1414.0	97.49	1.74	0.48	0.08	0.21
6250	85102	3002.19	8376.53	1417.0	94.40	4.86	0.42	0.10	0.22
6251	85103	3002.19	8376.53	1414.0	96.80	2.34	0.59	0.08	0.19
6252	85104	2998.53	8376.36	1417.0	95.99	3.30	0.37	0.09	0.25
6253	85105	2998.53	8376.36	1414.0	96.70	2.47	0.43	0.12	0.28
6254	85106	2994.87	8376.20	1417.0	96.61	2.57	0.39	0.12	0.31
6255	85107	2994.87	8376.20	1414.0	95.97	2.83	0.38	0.25	0.57
6256	85108	2994.71	8379.85	1417.0	96.20	2.62	0.38	0.24	0.56
6257	85109	2994.71	8379.85	1414.0	97.30	1.83	0.39	0.14	0.34
6258	85110	2998.37	8380.02	1417.0	97.39	1.77	0.41	0.12	0.31
6259	85111	2998.37	8380.02	1414.0	96.38	2.76	0.46	0.10	0.30
6260	85112	3002.02	8380.18	1417.0	97.68	1.58	0.42	0.08	0.24
6261	85113	3002.02	8380.18	1414.0	97.69	1.48	0.54	0.07	0.22
6262	85114	3005.68	8380.34	1417.0	97.86	1.49	0.49	0.04	0.12
6263	85115	3005.68	8380.34	1414.0	97.46	1.62	0.55	0.13	0.24
6264	85116	3009.34	8380.51	1417.0	97.42	1.86	0.40	0.08	0.24
6265	85117	3009.34	8380.51	1414.0	97.78	1.53	0.49	0.05	0.15
6266	85118	3009.17	8384.17	1417.0	97.55	1.66	0.46	0.08	0.25
6267	85119	3009.17	8384.17	1414.0	97.44	1.81	0.57	0.05	0.13
6268	85120	3005.52	8384.00	1417.0	97.61	1.65	0.48	0.06	0.20
6269	85121	3005.52	8384.00	1414.0	97.22	2.07	0.51	0.06	0.14
6270	85122	3001.86	8383.84	1417.0	97.26	1.83	0.38	0.16	0.37
6271	85123	3001.86	8383.84	1414.0	97.09	2.00	0.43	0.14	0.34
6272	85124	2998.20	8383.67	1417.0	97.29	1.85	0.43	0.14	0.29
6273	85125	2998.20	8383.67	1414.0	97.18	1.97	0.40	0.14	0.31
6274	85126	2994.55	8383.51	1417.0	95.10	4.23	0.36	0.11	0.20
6275	85127	2994.55	8383.51	1414.0	96.88	2.22	0.40	0.16	0.34
6300	85256	3003.65	8311.14	1417.0	97.33	1.62	0.79	0.08	0.18
6301	85257	3003.65	8311.14	1414.0	96.35	2.10	0.98	0.20	0.37
6302	85258	3000.00	8310.92	1417.0	95.36	1.94	1.69	0.09	0.92
6303	85259	3000.00	8310.92	1414.0	96.08	1.95	1.69	0.08	0.20
6304	85260	2996.34	8310.69	1417.0	96.21	1.85	1.42	0.09	0.43
6305	85261	2996.34	8310.69	1414.0	96.51	1.53	1.69	0.06	0.21
6306	85262	2992.69	8310.46	1417.0	97.38	1.74	0.52	0.09	0.27
6307	85263	2992.69	8310.46	1414.0	96.80	1.27	1.69	0.06	0.18
6308	85264	2992.92	8306.81	1417.0	96.09	1.66	2.07	0.05	0.13
6309	85265	2992.92	8306.81	1414.0	96.07	1.56	2.23	0.04	0.10
6310	85266	2996.57	8307.03	1417.0	96.31	1.71	1.68	0.08	0.22
6311	85267	2996.57	8307.03	1414.0	95.47	1.62	2.62	0.08	0.21
6312	85268	3000.23	8307.26	1417.0	97.05	1.51	1.14	0.09	0.21
6313	85269	3000.23	8307.26	1414.0	96.95	1.89	0.81	0.11	0.24
6314	85270	3003.88	8307.49	1417.0	95.10	2.90	1.69	0.09	0.22
6315	85271	3003.88	8307.49	1414.0	95.58	2.42	1.69	0.08	0.23
6316	85272	3004.11	8303.84	1417.0	93.23	3.82	2.39	0.15	0.41
6317	85273	3004.11	8303.84	1414.0	96.63	2.22	0.78	0.10	0.27
6318	85274	3000.45	8303.61	1417.0	95.46	1.69	2.39	0.11	0.35
6319	85275	3000.45	8303.61	1414.0	95.77	2.48	1.02	0.19	0.54
6320	85276	2996.80	8303.38	1417.0	94.68	3.93	0.79	0.16	0.44
6321	85277	2996.80	8303.38	1414.0	95.41	1.79	2.39	0.11	0.30
6322	85278	2993.15	8303.15	1417.0	96.87	1.89	0.95	0.07	0.22
6323	85279	2993.15	8303.15	1414.0	95.79	1.81	2.14	0.07	0.19

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
6324	85280	2993.38	8299.50	1417.0	97.41	1.55	0.73	0.06	0.25
6325	85281	2993.38	8299.50	1414.0	95.62	1.66	2.45	0.06	0.21
6326	85282	2997.03	8299.73	1417.0	95.40	1.79	2.45	0.07	0.29
6327	85283	2997.03	8299.73	1414.0	95.08	2.23	2.45	0.05	0.19
6328	85284	3000.68	8299.96	1417.0	97.16	1.93	0.66	0.07	0.18
6329	85285	3000.68	8299.96	1414.0	96.32	3.03	0.45	0.05	0.15
6330	85286	3004.33	8300.19	1417.0	96.64	2.57	0.66	0.03	0.10
6331	85287	3004.33	8300.19	1414.0	94.58	4.59	0.41	0.11	0.31
6332	85288	3004.56	8296.53	1417.0	96.21	1.81	1.84	0.03	0.11
6333	85289	3004.56	8296.53	1414.0	97.35	1.46	0.87	0.08	0.24
6334	85290	3000.91	8296.30	1417.0	95.90	2.99	0.80	0.07	0.24
6335	85291	3000.91	8296.30	1414.0	95.88	2.84	0.95	0.08	0.25
6336	85292	2997.26	8296.08	1417.0	96.93	1.61	1.27	0.05	0.14
6337	85293	2997.26	8296.08	1414.0	96.53	2.02	1.12	0.08	0.25
6338	85294	2993.60	8295.85	1417.0	96.95	1.64	0.99	0.10	0.32
6339	85295	2993.60	8295.85	1414.0	95.70	2.18	1.79	0.10	0.23
6340	85296	2993.83	8292.19	1417.0	94.99	2.42	2.15	0.14	0.30
6341	85297	2993.83	8292.19	1414.0	91.19	3.38	5.13	0.08	0.22
6342	85298	2997.49	8292.42	1417.0	95.99	2.14	1.44	0.10	0.33
6343	85299	2997.49	8292.42	1414.0	96.14	2.14	1.11	0.16	0.45
6344	85300	3001.14	8292.65	1417.0	96.48	1.83	1.57	0.02	0.10
6345	85301	3001.14	8292.65	1414.0	96.53	2.47	0.79	0.04	0.17
6346	85302	3004.79	8292.88	1417.0	96.70	1.65	1.56	0.02	0.07
6347	85303	3004.79	8292.88	1414.0	96.58	1.78	1.57	0.02	0.05
6348	85304	3007.21	8293.05	1417.0	97.53	1.91	0.41	0.03	0.12
6349	85305	3007.21	8293.05	1414.0	97.60	1.68	0.57	0.03	0.12
6350	85306	3008.67	8289.46	1417.0	97.25	1.83	0.67	0.07	0.18
6351	85307	3008.67	8289.46	1414.0	97.48	1.64	0.65	0.06	0.17
6352	85308	3005.02	8289.23	1417.0	96.19	2.04	1.56	0.06	0.15
6353	85309	3005.02	8289.23	1414.0	95.73	2.43	1.57	0.08	0.19
6354	85310	3001.37	8289.00	1417.0	96.37	1.84	1.56	0.06	0.17
6355	85311	3001.37	8289.00	1414.0	96.10	1.71	1.57	0.21	0.41
6356	85312	2997.71	8288.77	1417.0	93.36	5.21	0.65	0.21	0.57
6357	85313	2997.71	8288.77	1414.0	91.80	6.54	0.62	0.30	0.74
6358	85314	2994.06	8288.54	1417.0	91.90	3.66	3.92	0.10	0.42
6359	85315	2994.06	8288.54	1414.0	90.66	5.54	3.15	0.19	0.46
6360	85316	2994.29	8284.89	1417.0	94.99	2.81	1.84	0.09	0.27
6361	85317	2994.29	8284.89	1414.0	92.78	2.77	3.98	0.14	0.33
6362	85318	2997.94	8285.12	1417.0	92.33	3.66	3.11	0.23	0.67
6363	85319	2997.94	8285.12	1414.0	93.94	2.51	3.06	0.14	0.35
6364	85320	3001.60	8285.35	1417.0	97.17	1.14	1.57	0.04	0.08
6365	85321	3001.60	8285.35	1414.0	96.06	2.14	1.57	0.07	0.16
6366	85322	3005.25	8285.57	1417.0	96.16	2.08	1.58	0.05	0.13
6367	85323	3005.25	8285.57	1414.0	96.76	1.77	1.29	0.05	0.13
6368	85324	3008.90	8285.80	1417.0	97.87	1.39	0.56	0.05	0.13

Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
6369	85325	3008.90	8285.80	1414.0	97.79	1.54	0.55	0.03	0.09
6370	85326	3009.13	8282.15	1417.0	96.83	1.47	0.98	0.16	0.56
6371	85327	3009.13	8282.15	1414.0	97.68	1.38	0.80	0.03	0.11
6372	85328	3005.48	8281.92	1417.0	97.08	1.44	0.91	0.16	0.41
6373	85329	3005.48	8281.92	1414.0	96.81	1.45	1.57	0.05	0.12
6374	85330	3001.82	8281.69	1417.0	95.75	2.53	1.39	0.11	0.22
6375	85331	3001.82	8281.69	1414.0	97.03	1.25	1.57	0.04	0.11
6376	85332	2998.17	8281.46	1417.0	96.33	1.80	1.54	0.07	0.26
6377	85333	2998.17	8281.46	1414.0	96.57	1.63	1.54	0.06	0.20
6378	85334	2994.52	8281.24	1417.0	96.17	1.99	1.55	0.09	0.20
6379	85335	2994.52	8281.24	1414.0	96.69	1.51	1.54	0.07	0.19
6600	85423	2991.11	8339.39	1417.0	95.72	1.68	1.60	0.22	0.78
6601	85424	2991.11	8339.39	1414.0	97.31	1.19	0.47	0.26	0.77
6602	85425	2991.09	8343.05	1417.0	96.71	1.60	0.54	0.21	0.94
6603	85426	2991.09	8343.05	1414.0	97.52	1.22	0.55	0.15	0.56
6604	85427	2991.08	8346.71	1417.0	97.11	1.39	0.54	0.20	0.76
6605	85428	2991.08	8346.71	1414.0	97.24	1.51	0.56	0.14	0.55
6606	85429	2991.06	8350.37	1417.0	95.10	1.64	0.38	0.54	2.34
6607	85430	2991.06	8350.37	1414.0	96.76	1.47	0.68	0.21	0.88
6608	85431	2991.04	8354.03	1417.0	92.80	1.24	1.09	0.14	4.73
6609	85432	2991.04	8354.03	1414.0	94.37	1.76	0.62	0.35	2.90
6610	85433	2991.03	8357.69	1417.0	92.78	1.37	1.27	0.14	4.44
6611	85434	2991.03	8357.69	1414.0	95.81	1.24	0.61	0.13	2.21
6612	85435	2987.37	8357.67	1417.0	96.54	1.86	0.38	0.25	0.97
6613	85436	2987.37	8357.67	1414.0	95.86	1.82	0.40	0.16	1.76
6614	85437	2987.38	8354.01	1417.0	96.20	1.65	0.39	0.31	1.45
6615	85438	2987.38	8354.01	1414.0	94.84	1.36	0.66	0.17	2.97
6616	85439	2987.40	8350.35	1417.0	95.79	1.47	1.22	0.10	1.42
6617	85440	2987.40	8350.35	1414.0	95.55	1.34	1.60	0.11	1.40
6618	85441	2987.42	8346.69	1417.0	94.54	1.63	1.09	0.10	2.64
6619	85442	2987.42	8346.69	1414.0	95.82	1.49	1.60	0.18	0.91
6620	85443	2987.43	8343.03	1417.0	96.12	1.82	0.38	0.26	1.42
6621	85444	2987.43	8343.03	1414.0	97.14	1.49	0.44	0.18	0.75
6622	85445	2987.45	8339.37	1417.0	97.14	1.70	0.51	0.15	0.50
6623	85446	2987.45	8339.37	1414.0	94.54	4.39	0.47	0.13	0.47
6624	85447	2983.79	8339.36	1417.0	94.26	1.81	0.42	0.29	3.22
6625	85448	2983.79	8339.36	1414.0	95.33	2.49	0.46	0.33	1.39
6626	85449	2983.77	8343.02	1417.0	96.64	1.61	0.69	0.22	0.84
6627	85450	2983.77	8343.02	1414.0	96.14	1.77	0.51	0.32	1.26
6628	85451	2983.76	8346.68	1417.0	96.12	1.38	0.64	0.29	1.57
6629	85452	2983.76	8346.68	1414.0	94.86	1.85	0.71	0.45	2.13
6630	85453	2983.74	8350.34	1417.0	96.07	1.95	1.15	0.11	0.72
6631	85454	2983.74	8350.34	1414.0	95.33	1.66	1.25	0.22	1.54
6632	85455	2983.72	8354.00	1417.0	96.89	1.81	0.67	0.11	0.52
6633	85456	2983.72	8354.00	1414.0	95.88	1.38	1.34	0.11	1.29
6634	85457	2983.71	8357.66	1417.0	96.98	1.54	0.86	0.09	0.53
6635	85458	2983.71	8357.66	1414.0	96.68	1.58	0.48	0.25	1.01
6636	85459	2980.05	8357.64	1417.0	91.58	1.39	3.81	0.07	3.15
6637	85460	2980.05	8357.64	1414.0	96.52	1.52	0.98	0.15	0.83
6638	85461	2980.06	8353.98	1417.0	95.77	2.15	0.83	0.15	1.10
6639	85462	2980.06	8353.98	1414.0	96.60	1.90	0.47	0.17	0.86
6640	85463	2980.08	8350.32	1417.0	96.50	2.17	0.49	0.15	0.69
6641	85464	2980.08	8350.32	1414.0	95.91	1.60	1.05	0.18	1.26
6642	85465	2980.10	8346.66	1417.0	97.36	1.41	0.54	0.07	0.62
6643	85466	2980.10	8346.66	1414.0	96.88	2.34	0.48	0.06	0.24
6644	85467	2980.11	8343.00	1417.0	95.49	1.76	0.68	0.06	2.01
6645	85468	2980.11	8343.00	1414.0	97.36	1.62	0.52	0.06	0.44
6646	85469	2980.13	8339.34	1417.0	96.15	1.83	0.44	0.05	1.53
6647	85470	2980.13	8339.34	1414.0	95.28	3.39	0.40	0.09	0.84



Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
6648	85471	2976.45	8342.98	1417.0	96.86	1.89	0.53	0.10	0.62
6649	85472	2976.45	8342.98	1414.0	94.80	1.52	1.90	0.14	1.64
6650	85473	2976.44	8346.64	1417.0	96.31	2.39	0.70	0.10	0.50
6651	85474	2976.44	8346.64	1414.0	97.03	1.40	0.88	0.07	0.62
6652	85475	2976.42	8350.30	1417.0	97.30	1.70	0.47	0.11	0.42
6653	85476	2976.42	8350.30	1414.0	96.70	1.22	1.42	0.14	0.52
6654	85477	2976.40	8353.96	1417.0	96.48	2.57	0.54	0.05	0.36
6655	85478	2976.40	8353.96	1414.0	96.07	2.55	0.60	0.14	0.64
6656	85479	2976.39	8357.62	1417.0	96.62	2.06	0.83	0.07	0.42
6657	85480	2976.39	8357.62	1414.0	96.45	1.85	1.11	0.08	0.51
6658	85481	2972.73	8357.61	1417.0	94.25	1.75	1.24	0.37	2.39
6659	85482	2972.73	8357.61	1414.0	96.62	2.37	0.46	0.06	0.49
6660	85483	2972.74	8353.95	1417.0	95.30	1.96	0.48	0.06	2.20
6661	85484	2972.74	8353.95	1414.0	94.32	2.00	0.47	0.08	3.13
6662	85485	2972.76	8350.29	1417.0	96.25	1.45	0.35	0.10	1.85
6663	85486	2972.76	8350.29	1414.0	96.61	2.24	0.40	0.10	0.65
6664	85487	2972.78	8346.63	1417.0	95.40	2.12	0.37	0.10	2.01
6665	85488	2972.78	8346.63	1414.0	95.60	2.64	0.63	0.12	1.01
6666	85489	2972.79	8342.97	1417.0	88.31	10.62	0.51	0.06	0.50
6667	85490	2972.79	8342.97	1414.0	94.57	3.86	1.14	0.06	0.37
6668	85491	2969.13	8342.95	1417.0	93.91	3.85	0.47	0.09	1.68
6669	85492	2969.13	8342.95	1414.0	92.01	6.65	0.89	0.04	0.41
6670	85493	2969.12	8346.61	1417.0	95.68	3.01	0.52	0.10	0.69
6671	85494	2969.12	8346.61	1414.0	94.07	4.98	0.49	0.07	0.39
6672	85495	2969.10	8350.27	1417.0	94.63	2.15	0.40	0.07	2.75
6673	85496	2969.10	8350.27	1414.0	87.34	9.45	0.42	0.09	2.70
6674	85497	2969.08	8353.93	1417.0	95.56	2.20	0.43	0.05	1.76
6675	85498	2969.08	8353.93	1414.0	94.71	2.35	0.50	0.06	2.38
6676	85499	2969.07	8357.59	1417.0	91.14	1.88	0.42	0.07	6.49
6677	85500	2969.07	8357.59	1414.0	95.19	2.20	0.46	0.10	2.05
6700	85501	3009.10	8388.36	1417.0	97.51	1.51	0.49	0.13	0.36
6701	85502	3009.10	8388.36	1414.0	97.52	1.58	0.48	0.09	0.33
6702	85503	3005.45	8388.10	1417.0	97.51	1.63	0.49	0.08	0.29
6703	85504	3005.45	8388.10	1414.0	96.95	1.71	0.52	0.22	0.60
6704	85505	3001.80	8387.84	1417.0	97.39	1.52	0.48	0.10	0.51
6705	85506	3001.80	8387.84	1414.0	97.20	1.93	0.45	0.08	0.34
6706	85507	2998.15	8387.58	1417.0	97.37	1.72	0.40	0.09	0.42
6707	85508	2998.15	8387.58	1414.0	97.04	1.74	0.45	0.15	0.62
6708	85509	2994.50	8387.32	1417.0	96.82	1.90	0.39	0.19	0.70
6709	85510	2994.50	8387.32	1414.0	96.90	2.19	0.36	0.10	0.45
6710	85511	2994.24	8390.97	1417.0	97.12	2.13	0.43	0.05	0.27
6711	85512	2994.24	8390.97	1414.0	97.34	2.05	0.37	0.03	0.21
6712	85513	2997.89	8391.23	1417.0	97.16	2.04	0.52	0.04	0.24
6713	85514	2997.89	8391.23	1414.0	96.91	2.17	0.55	0.06	0.31
6714	85515	3001.54	8391.49	1417.0	93.66	5.28	0.45	0.11	0.50
6715	85516	3001.54	8391.49	1414.0	96.86	2.17	0.47	0.09	0.41
6716	85517	3005.19	8391.75	1417.0	96.47	2.54	0.64	0.06	0.29
6717	85518	3005.19	8391.75	1414.0	96.02	2.96	0.65	0.08	0.29
6718	85519	3008.84	8392.01	1417.0	96.30	2.89	0.50	0.06	0.25
6719	85520	3008.84	8392.01	1414.0	97.08	1.76	0.51	0.22	0.43
6720	85521	3008.58	8395.66	1417.0	97.04	1.89	0.79	0.05	0.23
6721	85522	3008.58	8395.66	1414.0	96.47	2.58	0.63	0.06	0.26
6722	85523	3004.93	8395.40	1417.0	97.21	1.90	0.50	0.08	0.31
6723	85524	3004.93	8395.40	1414.0	97.42	1.71	0.58	0.05	0.24
6724	85525	3001.28	8395.14	1417.0	97.32	1.77	0.56	0.06	0.29
6725	85526	3001.28	8395.14	1414.0	97.53	1.58	0.53	0.08	0.28
6726	85527	2997.63	8394.88	1417.0	97.04	1.89	0.72	0.06	0.29
6727	85528	2997.63	8394.88	1414.0	97.54	1.52	0.63	0.05	0.26
6728	85529	2993.98	8394.62	1417.0	97.64	1.66	0.37	0.04	0.29

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
6729	85530	2993.98	8394.62	1414.0	97.84	1.54	0.37	0.03	0.22
6730	85531	2993.72	8398.27	1417.0	97.63	1.60	0.41	0.05	0.31
6731	85532	2993.72	8398.27	1414.0	97.52	1.80	0.37	0.04	0.27
6732	85533	2997.37	8398.53	1417.0	97.36	2.02	0.41	0.01	0.20
6733	85534	2997.37	8398.53	1414.0	97.33	1.92	0.42	0.05	0.28
6734	85535	3001.02	8398.79	1417.0	97.43	1.63	0.65	0.03	0.26
6735	85536	3001.02	8398.79	1414.0	96.64	2.23	0.68	0.07	0.38
6736	85537	3004.67	8399.05	1417.0	97.33	1.40	0.74	0.10	0.43
6737	85538	3004.67	8399.05	1414.0	97.54	1.44	0.57	0.08	0.37
6738	85539	3008.32	8399.31	1417.0	97.55	1.33	0.68	0.08	0.36
6739	85540	3008.32	8399.31	1414.0	97.19	1.51	0.85	0.10	0.35
6740	85541	3008.06	8402.96	1417.0	97.28	1.48	0.67	0.09	0.48
6741	85542	3008.06	8402.96	1414.0	97.19	1.50	0.77	0.10	0.44
6742	85543	3004.41	8402.70	1417.0	97.76	1.36	0.50	0.08	0.30
6743	85544	3004.41	8402.70	1414.0	97.42	1.47	0.58	0.11	0.42
6744	85545	3000.76	8402.44	1417.0	97.56	1.61	0.50	0.06	0.27
6745	85546	3000.76	8402.44	1414.0	97.41	1.41	0.57	0.13	0.48
6746	85547	2997.11	8402.18	1417.0	97.57	1.60	0.56	0.05	0.22
6747	85548	2997.11	8402.18	1414.0	97.93	1.31	0.46	0.06	0.24
6748	85549	2993.46	8401.92	1417.0	97.48	1.64	0.41	0.09	0.38
6749	85550	2993.46	8401.92	1414.0	97.88	1.44	0.40	0.06	0.22
6750	85551	2993.20	8405.57	1417.0	97.64	1.67	0.40	0.05	0.24
6751	85552	2993.20	8405.57	1414.0	97.76	1.43	0.38	0.09	0.34
6752	85553	2996.85	8405.83	1417.0	97.72	1.54	0.52	0.04	0.18
6753	85554	2996.85	8405.83	1414.0	98.03	1.26	0.40	0.06	0.25
6754	85555	3000.50	8406.09	1417.0	97.25	1.92	0.53	0.05	0.25
6755	85556	3000.50	8406.09	1414.0	97.45	1.43	0.72	0.08	0.32
6756	85557	3004.15	8406.35	1417.0	97.02	2.12	0.57	0.06	0.23
6757	85558	3004.15	8406.35	1414.0	97.00	2.05	0.53	0.08	0.34
6758	85559	3007.80	8406.61	1417.0	97.06	1.73	0.77	0.10	0.34
6759	85560	3007.80	8406.61	1414.0	97.50	1.52	0.70	0.06	0.22
6760	85561	3007.54	8410.26	1417.0	97.41	1.31	0.75	0.10	0.43
6761	85562	3007.54	8410.26	1414.0	97.50	1.34	0.84	0.06	0.26
6762	85563	3003.89	8410.00	1417.0	97.40	1.30	0.95	0.06	0.29
6763	85564	3003.89	8410.00	1414.0	97.56	1.26	0.70	0.11	0.37
6764	85565	3000.24	8409.74	1417.0	97.86	1.33	0.47	0.06	0.28
6765	85566	3000.24	8409.74	1414.0	97.62	1.24	0.76	0.07	0.31
6766	85567	2996.58	8409.48	1417.0	97.42	1.56	0.67	0.04	0.31
6767	85568	2996.58	8409.48	1414.0	97.60	1.52	0.53	0.04	0.31
6768	85569	2992.94	8409.22	1417.0	97.72	1.52	0.49	0.02	0.25
6769	85570	2992.94	8409.22	1414.0	97.73	1.49	0.48	0.03	0.27
6901	85762	3009.52	8278.40	1414.0	96.99	1.73	0.74	0.09	0.45
6902	85763	3005.87	8278.13	1417.0	96.87	1.82	0.81	0.09	0.41
6903	85764	3005.87	8278.13	1414.0	96.22	1.63	1.56	0.12	0.47
6904	85765	3002.22	8277.87	1417.0	92.28	5.01	1.56	0.28	0.87
6905	85766	3002.22	8277.87	1414.0	96.89	1.55	1.12	0.07	0.37
6906	85767	3002.48	8274.22	1417.0	96.16	1.67	1.12	0.23	0.82
6907	85768	3002.48	8274.22	1414.0	96.53	1.49	1.44	0.11	0.43
6908	85769	3006.13	8274.48	1417.0	97.01	1.74	0.54	0.14	0.57
6909	85770	3006.13	8274.48	1414.0	96.84	1.92	0.49	0.15	0.60
6910	85771	3009.78	8274.75	1417.0	96.77	2.28	0.62	0.06	0.27
6911	85772	3009.78	8274.75	1414.0	97.45	1.75	0.56	0.04	0.20
6912	85773	3013.70	8271.37	1417.0	97.34	1.74	0.62	0.05	0.25
6913	85774	3013.70	8271.37	1414.0	94.81	3.95	0.68	0.15	0.41
6914	85775	3010.05	8271.10	1417.0	96.46	2.72	0.55	0.04	0.23
6915	85776	3010.05	8271.10	1414.0	96.80	2.01	0.94	0.04	0.21
6916	85777	3006.40	8270.83	1417.0	97.54	1.53	0.66	0.03	0.24
6917	85778	3006.40	8270.83	1414.0	96.69	1.43	1.56	0.07	0.25
6918	85779	3002.75	8270.57	1417.0	96.33	1.61	1.56	0.11	0.39

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
6919	85780	3002.75	8270.57	1414.0	96.17	1.76	1.56	0.11	0.40
6920	85781	3003.01	8266.92	1417.0	96.51	1.94	1.19	0.06	0.30
6921	85782	3003.01	8266.92	1414.0	96.65	1.61	1.43	0.06	0.25
6922	85783	3006.66	8267.18	1417.0	96.79	1.51	0.73	0.20	0.77
6923	85784	3006.66	8267.18	1414.0	97.53	1.42	0.83	0.03	0.19
6924	85785	3010.31	8267.45	1417.0	97.03	1.83	0.64	0.14	0.36
6925	85786	3010.31	8267.45	1414.0	97.15	1.81	0.68	0.09	0.27
6926	85787	3013.97	8267.71	1417.0	96.86	2.25	0.57	0.05	0.27
6927	85788	3013.97	8267.71	1414.0	96.68	2.00	0.63	0.18	0.51
6928	85789	3017.61	8267.98	1417.0	93.35	5.40	0.81	0.11	0.33
6929	85790	3017.61	8267.98	1414.0	93.94	4.80	0.91	0.08	0.27
6930	85791	3017.88	8264.33	1417.0	95.95	2.60	0.96	0.11	0.38
6931	85792	3017.88	8264.33	1414.0	95.91	2.38	1.46	0.05	0.20
6932	85793	3014.23	8264.07	1417.0	95.44	3.16	0.75	0.14	0.51
6933	85794	3014.23	8264.07	1414.0	96.61	1.90	1.04	0.11	0.34
6934	85795	3010.58	8263.80	1417.0	93.23	5.69	0.58	0.11	0.39
6935	85796	3010.58	8263.80	1414.0	96.36	2.68	0.62	0.08	0.26
6936	85797	3006.93	8263.53	1417.0	96.78	1.88	1.04	0.05	0.25
6937	85798	3006.93	8263.53	1414.0	96.00	2.42	1.26	0.06	0.26
6938	85799	3003.28	8263.27	1417.0	93.77	1.91	3.92	0.08	0.32
6939	85800	3003.28	8263.27	1414.0	95.97	1.57	2.15	0.04	0.27
6940	85801	3003.55	8259.62	1417.0	96.52	1.40	1.81	0.04	0.23
6941	85802	3003.55	8259.62	1414.0	95.35	1.65	2.72	0.06	0.22
6942	85803	3007.20	8259.88	1417.0	96.49	1.88	1.26	0.07	0.30
6943	85804	3007.20	8259.88	1414.0	97.04	1.57	0.97	0.08	0.34
6944	85805	3010.85	8260.15	1417.0	97.00	2.00	0.64	0.07	0.29
6945	85806	3010.85	8260.15	1414.0	97.14	1.73	0.79	0.08	0.26
6946	85807	3014.50	8260.41	1417.0	96.94	2.01	0.69	0.08	0.28
6947	85808	3014.50	8260.41	1414.0	97.08	1.68	0.86	0.09	0.29
6948	85809	3018.15	8260.68	1417.0	96.07	2.30	1.08	0.13	0.42
6949	85810	3018.15	8260.68	1414.0	95.19	3.31	1.15	0.08	0.27
6950	85811	3018.41	8257.03	1417.0	96.15	2.29	1.04	0.13	0.39
6951	85812	3018.41	8257.03	1414.0	96.07	2.60	1.05	0.05	0.23
6952	85813	3014.76	8256.76	1417.0	96.96	1.95	0.69	0.10	0.30
6953	85814	3014.76	8256.76	1414.0	96.81	1.83	0.92	0.11	0.33
6954	85815	3011.11	8256.50	1417.0	97.26	1.59	0.85	0.06	0.24
6955	85816	3011.11	8256.50	1414.0	95.70	1.57	2.44	0.06	0.23
6956	85817	3007.46	8256.23	1417.0	96.12	1.81	1.77	0.05	0.25
6957	85818	3007.46	8256.23	1414.0	94.74	1.06	3.72	0.15	0.33
6958	85819	3003.81	8255.97	1417.0	94.46	1.25	3.92	0.07	0.30
6959	85820	3003.81	8255.97	1414.0	94.44	1.66	3.55	0.07	0.28
6960	85821	3004.08	8252.32	1417.0	93.34	2.43	3.92	0.06	0.25
6961	85822	3004.08	8252.32	1414.0	93.97	1.95	3.92	0.02	0.14
6962	85823	3007.73	8252.58	1417.0	96.92	1.50	1.41	0.02	0.15
6963	85824	3007.73	8252.58	1414.0	94.11	1.74	3.92	0.05	0.18
6964	85825	3011.38	8252.85	1417.0	97.20	1.67	0.81	0.06	0.26
6965	85826	3011.38	8252.85	1414.0	96.85	2.00	0.93	0.03	0.19
6966	85827	3015.03	8253.11	1417.0	96.79	1.71	1.20	0.07	0.23
6967	85828	3015.03	8253.11	1414.0	96.63	1.88	0.97	0.14	0.38
6968	85829	3018.68	8253.38	1417.0	96.98	1.90	0.92	0.03	0.17
6969	85830	3018.68	8253.38	1414.0	96.01	2.53	0.97	0.11	0.38
7400	82905	3021.38	8340.46	1417.0	97.59	1.75	0.51	0.05	0.10
7400	85831	2965.89	8341.33	1417.0	94.55	2.55	0.47	0.07	2.36
7401	82906	3021.38	8340.46	1414.0	97.35	1.72	0.51	0.13	0.29
7401	85832	2965.89	8341.33	1414.0	85.47	9.56	2.44	0.05	2.48
7402	82907	3021.38	8336.80	1417.0	97.37	1.55	0.52	0.21	0.35
7402	85833	2965.76	8344.99	1417.0	93.30	2.60	0.44	0.09	3.57
7403	82908	3021.38	8336.80	1414.0	97.25	1.67	0.57	0.19	0.32
7403	85834	2965.76	8344.99	1414.0	89.77	3.54	1.10	0.11	5.48

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
7404	82909	3021.38	8333.14	1417.0	96.95	1.71	0.83	0.19	0.32
7404	85835	2965.62	8348.64	1417.0	93.87	3.01	0.53	0.08	2.51
7405	82910	3021.38	8333.14	1414.0	96.85	1.61	0.71	0.30	0.53
7405	85836	2965.62	8348.64	1414.0	93.98	3.79	0.63	0.10	1.50
7406	82911	3021.38	8329.48	1417.0	96.90	1.84	0.52	0.27	0.47
7406	85837	2965.49	8352.30	1417.0	95.22	2.85	0.42	0.10	1.41
7407	82912	3021.38	8329.48	1414.0	96.93	1.88	0.65	0.19	0.35
7407	85838	2965.49	8352.30	1414.0	94.19	3.00	0.48	0.11	2.22
7408	82913	3021.38	8325.82	1417.0	96.69	1.91	0.69	0.24	0.47
7408	85839	2965.36	8355.96	1417.0	95.63	2.94	0.46	0.08	0.89
7409	82914	3021.38	8325.82	1414.0	96.75	1.96	0.56	0.26	0.47
7409	85840	2965.36	8355.96	1414.0	94.17	2.74	0.43	0.10	2.56
7410	82915	3021.38	8322.16	1417.0	96.13	2.25	0.71	0.35	0.56
7410	85841	2965.23	8359.62	1417.0	93.76	2.21	0.41	0.10	3.52
7411	82916	3021.38	8322.16	1414.0	96.68	1.95	0.94	0.15	0.28
7411	85842	2965.23	8359.62	1414.0	94.77	2.74	0.41	0.06	2.02
7412	82917	3021.38	8318.50	1417.0	96.58	2.03	0.62	0.27	0.50
7412	85843	2961.57	8359.49	1417.0	94.79	1.54	0.34	0.12	3.21
7413	82918	3021.38	8318.50	1414.0	95.41	3.40	0.72	0.15	0.32
7413	85844	2961.57	8359.49	1414.0	94.69	1.81	0.43	0.09	2.98
7414	82919	3025.04	8318.50	1417.0	95.46	3.55	0.69	0.07	0.23
7414	85845	2961.70	8355.83	1417.0	93.70	2.01	0.40	0.15	3.74
7415	82920	3025.04	8318.50	1414.0	88.13	10.91	0.55	0.07	0.34
7415	85846	2961.70	8355.83	1414.0	91.45	7.10	0.41	0.05	0.99
7416	82921	3025.04	8322.16	1417.0	94.23	4.43	0.56	0.19	0.59
7416	85847	2961.83	8352.17	1417.0	94.95	3.48	0.41	0.06	1.10
7417	82922	3025.04	8322.16	1414.0	92.80	6.24	0.61	0.07	0.28
7417	85848	2961.83	8352.17	1414.0	86.42	10.12	0.51	0.07	2.88
7418	82923	3025.04	8325.82	1417.0	93.41	5.07	0.68	0.26	0.58
7418	85849	2961.97	8348.51	1417.0	93.67	3.63	0.47	0.07	2.16
7419	82924	3025.04	8325.82	1414.0	92.76	5.72	0.76	0.21	0.55
7419	85850	2961.97	8348.51	1414.0	94.24	4.38	0.43	0.09	0.86
7420	82925	3025.04	8329.48	1417.0	86.21	12.10	0.82	0.20	0.67
7420	85851	2962.10	8344.86	1417.0	96.76	2.18	0.48	0.05	0.53
7421	82926	3025.04	8329.48	1414.0	92.31	6.63	0.58	0.10	0.38
7421	85852	2962.10	8344.86	1414.0	94.06	2.69	0.46	0.06	2.73
7422	82927	3025.04	8333.14	1417.0	93.98	4.67	0.67	0.17	0.51
7422	85853	2962.23	8341.20	1417.0	97.00	1.72	0.42	0.07	0.79
7423	82928	3025.04	8333.14	1414.0	92.75	6.18	0.64	0.10	0.33
7423	85854	2962.23	8341.20	1414.0	93.55	3.75	0.50	0.11	2.09
7424	82929	3025.04	8336.80	1417.0	95.57	3.23	0.67	0.15	0.38
7424	85855	2958.57	8341.06	1417.0	96.59	2.13	0.49	0.01	0.78
7425	82930	3025.04	8336.80	1414.0	94.84	3.25	0.83	0.36	0.72
7425	85856	2958.57	8341.06	1414.0	96.79	2.49	0.42	0.02	0.28
7426	82931	3025.04	8340.46	1417.0	95.64	3.18	0.58	0.19	0.41
7426	85857	2958.44	8344.72	1417.0	95.40	2.91	0.57	0.05	1.07
7427	82932	3025.04	8340.46	1414.0	95.68	2.90	0.60	0.27	0.55
7427	85858	2958.44	8344.72	1414.0	95.91	2.94	0.65	0.04	0.46
7428	82933	3028.70	8340.46	1417.0	96.13	2.10	0.58	0.47	0.72
7428	85859	2958.31	8348.38	1417.0	95.18	3.34	0.75	0.02	0.71
7429	82934	3028.70	8340.46	1414.0	96.35	2.04	0.62	0.39	0.60
7429	85860	2958.31	8348.38	1414.0	96.47	2.69	0.54	0.03	0.27
7430	82935	3028.70	8336.80	1417.0	95.86	2.54	0.68	0.34	0.58
7430	85861	2958.18	8352.04	1417.0	94.01	4.03	0.47	0.06	1.43
7431	82936	3028.70	8336.80	1414.0	95.88	2.47	0.82	0.31	0.52
7431	85862	2958.18	8352.04	1414.0	93.81	4.81	0.49	0.06	0.83
7432	82937	3028.70	8333.14	1417.0	96.79	1.89	0.64	0.23	0.45
7432	85863	2958.04	8355.70	1417.0	96.02	2.40	0.44	0.05	1.09
7433	82938	3028.70	8333.14	1414.0	95.74	2.78	1.22	0.08	0.18

Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
7433	85864	2958.04	8355.70	1414.0	94.21	2.78	0.54	0.06	2.41
7434	82939	3028.70	8329.48	1417.0	96.73	1.76	0.60	0.34	0.57
7434	85865	2957.91	8359.35	1417.0	94.10	2.58	0.43	0.09	2.80
7435	82940	3028.70	8329.48	1414.0	96.26	2.24	1.26	0.09	0.15
7435	85866	2957.91	8359.35	1414.0	93.77	3.22	1.18	0.05	1.78
7436	85867	2954.25	8359.22	1417.0	95.41	2.95	0.48	0.08	1.08
7437	82941	3028.70	8322.16	1414.0	95.53	3.60	0.69	0.06	0.12
7437	85868	2954.25	8359.22	1414.0	92.67	5.22	0.57	0.08	1.46
7438	82942	3017.76	8340.58	1417.0	97.30	1.86	0.55	0.10	0.19
7438	85869	2954.39	8355.56	1417.0	94.52	4.36	0.44	0.10	0.58
7439	82943	3017.76	8340.58	1414.0	97.07	1.90	0.63	0.16	0.24
7439	85870	2954.39	8355.56	1414.0	91.53	5.65	0.49	0.08	2.25
7440	85871	2954.52	8351.90	1417.0	94.11	4.38	0.46	0.08	0.97
7441	85872	2954.52	8351.90	1414.0	93.67	5.22	0.45	0.10	0.56
7442	85873	2954.65	8348.25	1417.0	94.41	4.06	0.75	0.06	0.72
7443	85874	2954.65	8348.25	1414.0	93.34	5.33	0.62	0.05	0.66
7444	82944	3032.36	8325.82	1417.0	96.80	1.63	0.74	0.31	0.52
7444	85875	2954.78	8344.59	1417.0	94.76	4.01	0.50	0.04	0.69
7445	82945	3032.36	8325.82	1414.0	96.93	2.05	0.79	0.08	0.15
7445	85876	2954.78	8344.59	1414.0	94.79	4.12	0.52	0.03	0.54
7446	85877	2954.92	8340.93	1417.0	93.07	4.80	0.57	0.03	1.53
7447	82946	3032.36	8329.48	1414.0	96.42	2.19	0.55	0.30	0.54
7447	85878	2954.92	8340.93	1414.0	90.26	7.05	1.24	0.11	1.34
7448	82947	3032.36	8333.14	1417.0	96.33	2.13	0.58	0.37	0.59
7449	82948	3032.36	8333.14	1414.0	95.30	2.72	0.65	0.55	0.78
7450	82949	3032.36	8336.80	1417.0	96.69	1.80	0.60	0.34	0.57
7451	82950	3032.36	8336.80	1414.0	95.87	2.44	0.74	0.35	0.60
7452	82951	3032.36	8340.46	1417.0	97.29	1.52	0.73	0.17	0.29
7454	82952	3036.02	8340.46	1417.0	97.14	1.57	0.62	0.27	0.40
7456	82953	3036.02	8336.80	1417.0	97.29	1.47	0.65	0.22	0.37
7458	82954	3036.02	8333.14	1417.0	95.14	3.41	0.53	0.35	0.57
7900	83119	3034.37	8321.14	1417.0	95.78	3.43	0.66	0.03	0.10
7901	83120	3034.37	8321.14	1414.0	96.33	2.80	0.76	0.03	0.08
7902	83121	3038.01	8321.48	1417.0	96.43	1.80	1.62	0.05	0.10
7903	83122	3038.01	8321.48	1414.0	96.76	2.37	0.80	0.02	0.05
7904	83123	3041.66	8321.83	1417.0	96.99	1.98	0.82	0.08	0.13
7905	83124	3041.66	8321.83	1414.0	96.80	2.24	0.85	0.04	0.07
7906	83125	3045.30	8322.17	1417.0	97.15	1.59	0.85	0.17	0.24
7907	83126	3045.30	8322.17	1414.0	97.18	1.68	0.87	0.11	0.16
7908	83127	3048.94	8322.52	1417.0	96.82	2.35	0.57	0.10	0.16
7910	83128	3052.59	8322.86	1417.0	97.48	1.50	0.75	0.11	0.16
7911	83129	3052.59	8322.86	1414.0	97.13	1.59	1.05	0.09	0.14
7912	83130	3056.23	8323.21	1417.0	97.06	1.53	0.82	0.26	0.33
7913	83131	3056.23	8323.21	1414.0	96.42	2.54	0.81	0.09	0.14
7914	83132	3058.11	8323.45	1417.0	96.71	2.11	0.72	0.19	0.27
7915	83133	3058.11	8323.45	1414.0	97.76	1.39	0.66	0.07	0.12
7916	83134	3055.84	8326.74	1417.0	97.29	1.55	0.69	0.19	0.28
7917	83135	3055.84	8326.74	1414.0	96.88	1.64	1.06	0.17	0.25
7918	83136	3052.24	8326.51	1417.0	96.44	1.69	1.13	0.31	0.43
7919	83137	3052.24	8326.51	1414.0	97.07	1.76	0.75	0.17	0.25
7920	83138	3048.60	8326.16	1417.0	97.54	1.53	0.53	0.11	0.29
7921	83139	3048.60	8326.16	1414.0	97.11	2.14	0.59	0.05	0.11
7922	83140	3044.95	8325.82	1417.0	96.56	2.41	0.65	0.15	0.23
7923	83141	3044.95	8325.82	1414.0	97.31	1.62	0.74	0.13	0.20
7924	83142	3041.31	8325.47	1417.0	96.84	2.35	0.66	0.05	0.10
7925	83143	3041.31	8325.47	1414.0	97.31	1.92	0.68	0.03	0.06
7926	83144	3037.67	8325.13	1417.0	95.82	2.89	1.00	0.11	0.18
7927	83145	3037.67	8325.13	1414.0	97.22	1.62	0.79	0.13	0.24
7928	83146	3034.02	8324.78	1417.0	95.84	2.37	1.47	0.11	0.21

## Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
7929	83147	3034.02	8324.78	1414.0	96.80	2.21	0.92	0.02	0.05
7930	83148	3037.32	8328.77	1417.0	97.31	1.82	0.67	0.07	0.13
7931	83149	3037.32	8328.77	1414.0	95.67	3.29	0.93	0.04	0.07
7932	83150	3040.96	8329.11	1417.0	97.36	1.76	0.70	0.06	0.12
7933	83151	3040.96	8329.11	1414.0	97.64	1.52	0.80	0.01	0.03
7934	83152	3044.61	8329.46	1417.0	97.56	1.59	0.70	0.05	0.10
7935	83153	3044.61	8329.46	1414.0	96.81	1.77	1.20	0.08	0.14
7936	83154	3048.25	8329.81	1417.0	97.58	1.56	0.57	0.11	0.18
7937	83155	3048.25	8329.81	1414.0	97.67	1.57	0.57	0.07	0.12
7938	83156	3051.90	8330.15	1417.0	97.27	1.81	0.66	0.10	0.16
7939	83157	3051.90	8330.15	1414.0	97.06	1.79	0.85	0.12	0.18
7940	83158	3054.88	8330.45	1417.0	93.03	4.88	1.31	0.27	0.51
7941	83159	3054.88	8330.45	1414.0	97.10	1.70	0.74	0.19	0.27
7942	83160	3051.55	8333.79	1417.0	97.18	1.77	0.86	0.07	0.12
7943	83161	3051.55	8333.79	1414.0	97.07	1.72	0.89	0.13	0.19
7944	83162	3047.91	8333.45	1417.0	97.25	1.65	0.74	0.14	0.22
7945	83163	3047.91	8333.45	1414.0	97.45	1.43	0.79	0.13	0.20
7946	83164	3044.26	8333.10	1417.0	97.34	1.51	0.85	0.11	0.19
7947	83165	3044.26	8333.10	1414.0	97.06	1.53	1.03	0.14	0.24
7948	83166	3040.62	8332.76	1417.0	97.12	1.54	0.95	0.15	0.24
7949	83167	3040.62	8332.76	1414.0	97.46	1.45	1.01	0.02	0.06
7950	83168	3038.29	8332.49	1417.0	96.95	1.92	1.01	0.03	0.09
7951	83169	3038.29	8332.49	1414.0	97.29	1.67	0.94	0.03	0.07
7952	83170	3038.59	8336.20	1417.0	97.46	1.62	0.58	0.13	0.21
7953	83171	3038.59	8336.20	1414.0	97.07	1.97	0.83	0.04	0.09
7954	83172	3040.27	8336.40	1417.0	97.08	1.62	1.09	0.07	0.14
7955	83173	3040.27	8336.40	1414.0	97.46	1.46	0.87	0.07	0.14
7956	83174	3043.92	8336.75	1417.0	97.01	1.72	1.03	0.09	0.15
7957	83175	3043.92	8336.75	1414.0	97.27	1.55	0.88	0.12	0.18
7958	83176	3047.56	8337.09	1417.0	97.41	1.64	0.79	0.05	0.11
7959	83177	3047.56	8337.09	1414.0	97.32	1.47	0.90	0.12	0.19
7960	83178	3050.39	8337.40	1417.0	97.46	1.66	0.76	0.04	0.08
7961	83179	3050.39	8337.40	1414.0	96.58	2.57	0.65	0.08	0.12
7962	83180	3049.43	8340.99	1417.0	96.69	2.05	0.86	0.17	0.23
7963	83181	3049.43	8340.99	1414.0	96.32	2.45	0.76	0.19	0.28
7964	83182	3047.21	8340.74	1417.0	96.81	2.08	0.76	0.14	0.21
7965	83183	3047.21	8340.74	1414.0	95.08	3.51	0.95	0.20	0.26
7966	83184	3043.57	8340.39	1417.0	96.07	2.37	1.22	0.14	0.20
7967	83185	3043.57	8340.39	1414.0	96.16	2.40	1.09	0.14	0.21
7968	83186	3039.93	8340.04	1417.0	96.95	1.87	0.74	0.18	0.26
7969	83187	3039.93	8340.04	1414.0	96.36	2.49	0.80	0.14	0.21
7970	83188	3038.48	8339.92	1417.0	96.65	2.25	0.78	0.13	0.19
7971	83189	3038.48	8339.92	1414.0	97.48	1.66	0.73	0.04	0.09
8200	83366	3060.27	8320.25	1417.0	95.62	3.60	0.53	0.10	0.15
8201	83367	3060.27	8320.25	1414.0	97.47	1.80	0.62	0.04	0.07
8202	83368	3060.70	8316.62	1417.0	96.01	3.23	0.61	0.05	0.10
8203	83369	3060.70	8316.62	1414.0	96.58	2.48	0.61	0.12	0.21
8204	83370	3061.13	8312.99	1417.0	95.56	3.33	0.87	0.15	0.09
8205	83371	3061.13	8312.99	1414.0	97.40	1.76	0.76	0.03	0.05
8206	83372	3061.56	8309.35	1417.0	95.20	4.17	0.56	0.02	0.05
8207	83373	3061.56	8309.35	1414.0	97.32	1.93	0.54	0.08	0.13
8208	83374	3057.50	8312.55	1417.0	96.19	3.01	0.64	0.07	0.09
8209	83375	3057.50	8312.55	1414.0	96.83	2.25	0.79	0.05	0.08
8210	83376	3057.06	8316.19	1417.0	97.11	1.99	0.78	0.04	0.08
8211	83377	3057.06	8316.19	1414.0	96.72	2.57	0.61	0.04	0.06
8212	83378	3056.63	8319.82	1417.0	97.37	1.77	0.63	0.09	0.14
8213	83379	3056.63	8319.82	1414.0	96.91	2.25	0.70	0.05	0.09
8214	83380	3053.00	8319.39	1417.0	96.19	2.82	0.88	0.04	0.07
8215	83381	3053.00	8319.39	1414.0	96.72	2.50	0.69	0.03	0.06



Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
8216	83382	3053.43	8315.76	1417.0	94.22	4.78	0.91	0.03	0.06
8217	83383	3053.43	8315.76	1414.0	93.48	5.73	0.73	0.03	0.03
8218	83384	3053.86	8312.12	1417.0	96.04	3.23	0.60	0.04	0.09
8219	83385	3053.86	8312.12	1414.0	96.84	2.43	0.64	0.03	0.06
8220	83386	3054.29	8308.49	1417.0	96.22	2.94	0.72	0.04	0.08
8222	83387	3050.66	8308.06	1417.0	95.43	3.84	0.68	0.02	0.03
8223	83388	3050.66	8308.06	1414.0	95.38	3.96	0.60	0.02	0.04
8224	83389	3050.23	8311.69	1417.0	96.61	2.79	0.53	0.03	0.04
8226	83390	3049.79	8315.33	1414.0	97.29	1.87	0.75	0.03	0.06
8228	83391	3049.36	8318.96	1417.0	96.34	2.82	0.62	0.08	0.14
8230	83392	3045.73	8318.53	1417.0	95.63	3.09	0.83	0.17	0.28
8231	83393	3045.73	8318.53	1414.0	96.67	1.98	1.02	0.12	0.21
8232	83394	3046.16	8314.90	1417.0	97.19	1.59	0.87	0.13	0.22
8234	83395	3046.59	8311.26	1417.0	97.40	1.61	0.81	0.07	0.11
8235	83396	3046.59	8311.26	1414.0	97.43	1.42	1.01	0.05	0.09
8236	83397	3047.02	8307.63	1417.0	97.55	1.37	0.78	0.12	0.18
8237	83398	3047.02	8307.63	1414.0	96.47	1.64	0.74	0.47	0.68
8238	83399	3043.39	8307.20	1417.0	97.19	1.51	0.77	0.21	0.32
8239	83400	3043.39	8307.20	1414.0	96.05	1.56	0.89	0.61	0.89
8240	83401	3042.96	8310.83	1417.0	95.23	3.84	0.54	0.14	0.25
8241	83402	3042.96	8310.83	1414.0	97.06	1.94	0.56	0.17	0.27
8242	83403	3042.53	8314.46	1417.0	96.47	2.64	0.74	0.05	0.10
8243	83404	3042.53	8314.46	1414.0	97.20	1.90	0.71	0.06	0.13
8244	83405	3042.09	8318.10	1417.0	97.73	1.48	0.73	0.01	0.05
8245	83406	3042.09	8318.10	1414.0	96.62	2.36	0.94	0.02	0.06
8246	83407	3038.89	8314.03	1417.0	97.43	1.73	0.74	0.03	0.07
8247	83408	3038.89	8314.03	1414.0	95.73	3.05	0.80	0.16	0.26
8248	83409	3039.32	8310.40	1417.0	94.16	4.83	0.83	0.05	0.13
8249	83410	3039.32	8310.40	1414.0	96.25	2.57	0.59	0.21	0.38
8250	83411	3039.75	8306.76	1417.0	97.38	1.74	0.67	0.07	0.14
8251	83412	3039.75	8306.76	1414.0	97.04	1.99	0.73	0.09	0.15
8252	83413	3036.12	8306.33	1417.0	96.28	2.66	0.68	0.13	0.25
8253	83414	3036.12	8306.33	1414.0	95.38	3.59	0.61	0.16	0.26
8254	83415	3035.69	8309.97	1417.0	97.03	2.08	0.71	0.06	0.12
8255	83416	3035.69	8309.97	1414.0	96.95	2.04	0.56	0.17	0.28
8256	83417	3035.26	8313.60	1417.0	96.78	2.35	0.75	0.04	0.08
8257	83418	3035.26	8313.60	1414.0	96.05	2.80	0.69	0.16	0.30
8600	83509	3048.71	8344.63	1417.0	97.17	1.93	0.72	0.07	0.11
8601	83510	3048.71	8344.63	1414.0	95.65	2.71	0.92	0.29	0.43
8602	83511	3048.12	8348.24	1417.0	97.41	1.66	0.75	0.07	0.11
8603	83512	3048.12	8348.24	1414.0	96.90	1.89	0.86	0.15	0.20
8604	83513	3047.54	8351.86	1417.0	97.43	1.58	0.71	0.12	0.16
8605	83514	3047.54	8351.86	1414.0	97.52	1.56	0.74	0.07	0.11
8606	83515	3046.95	8355.47	1417.0	97.53	1.35	1.01	0.04	0.07
8607	83516	3046.95	8355.47	1414.0	97.53	1.40	0.91	0.06	0.10
8608	83517	3046.36	8359.08	1417.0	97.54	1.46	0.81	0.07	0.12
8609	83518	3046.36	8359.08	1414.0	97.42	1.36	0.98	0.10	0.14
8610	83519	3045.77	8362.69	1417.0	97.65	1.59	0.63	0.04	0.09
8611	83520	3045.77	8362.69	1414.0	97.28	1.59	0.81	0.12	0.20
8612	83521	3042.16	8362.11	1417.0	97.35	1.64	0.67	0.14	0.20
8614	83522	3042.75	8358.49	1417.0	97.32	1.53	0.89	0.10	0.16
8615	83523	3042.75	8358.49	1414.0	97.10	1.65	0.95	0.12	0.18
8616	83524	3043.34	8354.88	1417.0	97.24	1.78	0.85	0.05	0.08
8617	83525	3043.34	8354.88	1414.0	97.24	1.55	0.82	0.16	0.23
8618	83526	3043.92	8351.27	1417.0	96.76	1.31	1.71	0.09	0.13
8619	83527	3043.92	8351.27	1417.0	97.15	1.60	0.94	0.13	0.18
8620	83528	3044.51	8347.66	1417.0	97.22	1.61	0.99	0.07	0.11
8621	83529	3044.51	8347.66	1414.0	97.11	1.58	0.94	0.16	0.21
8622	83530	3045.10	8344.04	1417.0	96.97	1.61	1.27	0.06	0.09



Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
8623	83531	3045.10	8344.04	1414.0	97.02	1.66	1.10	0.09	0.13
8624	83532	3041.49	8343.46	1417.0	97.21	1.59	0.90	0.11	0.19
8625	83533	3041.49	8343.46	1414.0	97.11	1.55	1.11	0.09	0.14
8626	83534	3040.90	8347.07	1417.0	97.56	1.61	0.66	0.06	0.11
8627	83535	3040.90	8347.07	1414.0	97.46	1.56	0.65	0.13	0.20
8628	83536	3040.31	8350.68	1417.0	97.57	1.66	0.65	0.04	0.08
8630	83537	3039.72	8354.29	1414.0	97.62	1.54	0.67	0.07	0.10
8632	83538	3039.14	8357.91	1417.0	97.68	1.56	0.59	0.06	0.11
8634	83539	3038.55	8361.52	1414.0	97.24	1.89	0.68	0.07	0.12
8636	83540	3034.94	8360.93	1417.0	97.36	1.87	0.62	0.05	0.10
8637	83541	3034.94	8360.93	1414.0	97.61	1.64	0.57	0.06	0.12
8638	83542	3035.52	8357.32	1417.0	97.12	2.19	0.59	0.03	0.07
8639	83543	3035.52	8357.32	1414.0	97.56	1.64	0.47	0.13	0.20
8640	83544	3036.11	8353.71	1417.0	97.72	1.55	0.56	0.06	0.11
8641	83545	3036.11	8353.71	1414.0	97.62	1.54	0.55	0.10	0.19
8642	83546	3036.70	8350.09	1417.0	97.60	1.60	0.55	0.09	0.16
8643	83547	3036.70	8350.09	1414.0	97.67	1.51	0.57	0.09	0.16
8644	83548	3037.28	8346.48	1417.0	97.51	1.47	0.83	0.07	0.12
8645	83549	3037.28	8346.48	1414.0	96.92	1.75	1.14	0.06	0.13
8646	83550	3037.87	8342.87	1417.0	97.57	1.77	0.57	0.03	0.06
8647	83551	3037.87	8342.87	1414.0	97.63	1.40	0.56	0.16	0.25
8648	83552	3034.26	8342.28	1417.0	97.62	1.56	0.59	0.08	0.15
8649	83553	3034.26	8342.28	1414.0	97.09	1.76	0.77	0.14	0.24
8650	83554	3033.67	8345.89	1417.0	97.32	1.77	0.72	0.06	0.13
8651	83555	3033.67	8345.89	1414.0	97.47	1.58	0.59	0.14	0.22
8652	83556	3033.08	8349.51	1417.0	97.65	1.67	0.52	0.05	0.11
8653	83557	3033.08	8349.51	1414.0	97.16	1.65	0.85	0.13	0.21
8654	83558	3032.50	8353.12	1417.0	97.66	1.66	0.54	0.04	0.10
8655	83559	3032.50	8353.12	1414.0	97.67	1.60	0.53	0.07	0.13
8656	83560	3031.91	8356.73	1417.0	97.48	1.80	0.48	0.07	0.17
8657	83561	3031.91	8356.73	1414.0	96.31	3.06	0.41	0.07	0.15
8658	83562	3031.32	8360.34	1417.0	96.46	2.75	0.56	0.06	0.17
8659	83563	3031.32	8360.34	1414.0	94.55	4.81	0.50	0.03	0.11
8900	83860	3017.97	8342.28	1417.0	96.56	2.31	0.57	0.25	0.31
8901	83861	3017.97	8342.28	1414.0	97.34	1.77	0.55	0.12	0.22
8902	83862	3017.52	8345.91	1417.0	97.39	1.93	0.45	0.08	0.15
8903	83863	3017.52	8345.91	1414.0	97.89	1.44	0.48	0.07	0.12
8904	83864	3017.08	8349.55	1417.0	97.75	1.49	0.47	0.11	0.18
8905	83865	3017.08	8349.55	1414.0	97.68	1.56	0.52	0.08	0.16
8906	83866	3016.63	8353.18	1417.0	97.94	1.49	0.41	0.05	0.11
8907	83867	3016.63	8353.18	1414.0	97.24	1.53	0.91	0.11	0.21
8908	83868	3016.19	8356.81	1417.0	98.11	1.33	0.40	0.05	0.11
8909	83869	3016.19	8356.81	1414.0	97.97	1.45	0.40	0.06	0.12
8910	83870	3015.75	8360.45	1417.0	98.04	1.44	0.42	0.02	0.08
8911	83871	3015.75	8360.45	1414.0	95.12	2.13	2.55	0.06	0.14
8912	83872	3019.38	8360.89	1417.0	95.67	1.67	2.55	0.03	0.08
8913	83873	3019.38	8360.89	1414.0	95.45	1.76	2.55	0.06	0.18
8914	83874	3019.82	8357.26	1417.0	95.44	1.75	2.55	0.09	0.17
8915	83875	3019.82	8357.26	1414.0	96.59	2.46	0.63	0.12	0.20
8916	83876	3020.27	8353.62	1417.0	96.12	1.91	1.53	0.15	0.29
8917	83877	3020.27	8353.62	1414.0	96.47	2.56	0.75	0.05	0.17
8918	83878	3020.71	8349.99	1417.0	97.25	1.86	0.39	0.18	0.32
8919	83879	3020.71	8349.99	1414.0	97.58	1.66	0.44	0.12	0.20
8920	83880	3021.16	8346.36	1417.0	97.06	2.14	0.50	0.11	0.19
8921	83881	3021.16	8346.36	1414.0	97.36	1.80	0.53	0.10	0.21
8922	83882	3021.60	8342.73	1417.0	97.29	2.03	0.49	0.07	0.12
8923	83883	3021.60	8342.73	1414.0	96.79	2.29	0.48	0.15	0.29
8932	83884	3023.46	8357.70	1417.0	93.60	5.61	0.52	0.08	0.19
8933	83885	3023.46	8357.70	1414.0	96.82	2.40	0.58	0.07	0.13

Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
8934	83886	3023.01	8361.33	1417.0	95.97	3.13	0.74	0.04	0.12
8935	83887	3023.01	8361.33	1414.0	95.69	3.47	0.63	0.06	0.15
8936	83888	3026.64	8361.78	1417.0	97.09	2.12	0.65	0.03	0.11
8937	83889	3026.64	8361.78	1414.0	97.21	1.78	0.85	0.05	0.11
8938	83890	3027.09	8358.15	1417.0	97.64	1.65	0.55	0.05	0.11
8939	83891	3027.09	8358.15	1414.0	97.58	1.62	0.63	0.05	0.12
8940	83892	3027.53	8354.51	1417.0	97.48	1.55	0.87	0.03	0.07
8941	83893	3027.53	8354.51	1414.0	97.59	1.62	0.61	0.06	0.12
8942	83894	3027.98	8350.88	1417.0	96.08	2.88	0.57	0.16	0.31
8943	83895	3027.98	8350.88	1414.0	97.07	1.89	0.52	0.19	0.33
8944	83896	3028.42	8347.25	1417.0	95.69	3.21	0.56	0.19	0.35
8945	83897	3028.42	8347.25	1414.0	96.04	2.71	0.64	0.22	0.39
8946	83898	3028.87	8343.62	1417.0	91.22	7.31	0.55	0.26	0.66
8947	83899	3028.87	8343.62	1414.0	95.65	3.17	0.55	0.21	0.42
8948	83900	3030.34	8347.51	1417.0	97.22	1.88	0.51	0.14	0.25
8949	83901	3030.34	8347.51	1414.0	97.31	1.45	0.64	0.23	0.37
8950	83902	3029.82	8351.19	1417.0	88.35	10.36	0.61	0.14	0.54
8951	83903	3029.82	8351.19	1414.0	92.75	5.78	0.56	0.31	0.60
8952	83904	3029.70	8354.75	1417.0	97.63	1.60	0.59	0.06	0.12
8953	83905	3029.70	8354.75	1414.0	97.58	1.53	0.61	0.09	0.19
8954	83906	3029.23	8358.42	1417.0	97.59	1.60	0.68	0.04	0.09
8955	83907	3029.23	8358.42	1414.0	97.93	1.41	0.53	0.04	0.09
8956	83908	3029.35	8361.99	1417.0	97.98	1.27	0.49	0.09	0.17
8957	83909	3029.35	8361.99	1414.0	97.75	1.62	0.49	0.04	0.10
9200	85879	2990.73	8308.55	1417.0	96.06	2.05	0.85	0.12	0.92
9201	85880	2990.73	8308.55	1414.0	96.17	2.16	0.95	0.14	0.58
9202	85881	2990.91	8304.90	1417.0	95.05	3.12	1.00	0.11	0.72
9203	85882	2990.91	8304.90	1414.0	94.36	2.44	2.51	0.14	0.55
9204	85883	2991.08	8301.24	1417.0	95.12	1.99	1.75	0.20	0.94
9205	85884	2991.08	8301.24	1414.0	93.30	2.19	4.04	0.09	0.38
9206	85885	2991.26	8297.59	1417.0	95.40	2.37	1.02	0.24	0.97
9207	85886	2991.26	8297.59	1414.0	92.39	2.82	4.05	0.15	0.59
9208	85887	2991.44	8293.93	1417.0	93.96	2.15	3.03	0.17	0.69
9209	85888	2991.44	8293.93	1414.0	93.21	2.15	4.05	0.12	0.47
9210	85889	2991.61	8290.28	1417.0	94.89	2.00	2.40	0.14	0.57
9211	85890	2991.61	8290.28	1414.0	93.83	2.42	2.94	0.15	0.66
9212	85891	2991.79	8286.62	1417.0	95.93	2.00	1.36	0.11	0.60
9213	85892	2991.79	8286.62	1414.0	96.53	1.73	0.87	0.19	0.68
9214	85893	2988.13	8286.44	1417.0	95.48	1.79	2.11	0.10	0.52
9215	85894	2988.13	8286.44	1414.0	96.03	1.69	1.75	0.12	0.41
9216	85895	2987.96	8290.10	1417.0	96.18	2.03	0.80	0.09	0.90
9217	85896	2987.96	8290.10	1414.0	96.27	2.13	0.66	0.17	0.77
9218	85897	2987.78	8293.75	1417.0	96.52	2.00	0.73	0.12	0.63
9219	85898	2987.78	8293.75	1414.0	96.68	1.71	0.70	0.19	0.72
9220	85899	2987.61	8297.41	1417.0	91.80	2.43	3.91	0.07	1.79
9221	85900	2987.61	8297.41	1414.0	96.34	1.81	0.99	0.17	0.69
9222	85901	2987.43	8301.07	1417.0	93.45	1.56	4.31	0.11	0.57
9223	85902	2987.43	8301.07	1414.0	96.33	1.86	1.04	0.12	0.65
9224	85903	2987.25	8304.72	1417.0	94.95	1.59	2.39	0.13	0.94
9225	85904	2987.25	8304.72	1414.0	92.27	2.41	4.31	0.18	0.83
9226	85905	2987.08	8308.38	1417.0	96.61	1.45	1.06	0.17	0.71
9227	85906	2987.08	8308.38	1414.0	96.24	1.32	1.45	0.20	0.79
9228	85907	2986.90	8312.03	1417.0	96.16	1.65	0.71	0.31	1.17
9229	85908	2986.90	8312.03	1414.0	96.95	1.29	0.75	0.20	0.81
9230	85909	2983.25	8311.86	1417.0	96.11	1.48	0.73	0.34	1.34
9231	85910	2983.25	8311.86	1414.0	94.90	1.57	0.99	0.40	2.14
9232	85911	2983.42	8308.20	1417.0	94.65	1.38	0.82	0.11	3.04
9233	85912	2983.42	8308.20	1414.0	94.84	1.59	1.06	0.22	2.29
9234	85913	2983.60	8304.55	1417.0	92.34	2.02	1.08	0.20	4.36

Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
9235	85914	2983.60	8304.55	1414.0	96.25	1.42	0.91	0.17	1.25
9236	85915	2983.77	8300.89	1417.0	90.12	2.32	0.72	0.07	6.77
9237	85916	2983.77	8300.89	1414.0	92.15	2.09	1.64	0.11	4.01
9238	85917	2983.95	8297.24	1417.0	96.51	1.30	1.08	0.04	1.07
9239	85918	2983.95	8297.24	1414.0	95.45	1.57	1.30	0.11	1.57
9240	85919	2984.13	8293.58	1417.0	96.35	2.21	0.71	0.11	0.62
9241	85920	2984.13	8293.58	1414.0	94.46	3.42	0.72	0.15	1.25
9242	85921	2984.30	8289.92	1417.0	94.59	1.72	1.51	0.19	1.99
9243	85922	2984.30	8289.92	1414.0	94.42	2.45	0.79	0.17	2.17
9244	85923	2984.48	8286.27	1417.0	93.91	2.34	1.10	0.15	2.50
9245	85924	2984.48	8286.27	1414.0	94.62	2.33	2.06	0.09	0.90
9246	85925	2980.82	8286.09	1417.0	94.43	2.28	2.89	0.08	0.32
9247	85926	2980.82	8286.09	1414.0	96.45	2.17	0.75	0.13	0.50
9248	85927	2980.65	8289.75	1417.0	96.12	1.62	1.49	0.10	0.67
9249	85928	2980.65	8289.75	1414.0	96.10	1.89	1.20	0.15	0.66
9250	85929	2980.47	8293.40	1417.0	96.20	1.91	1.19	0.04	0.66
9251	85930	2980.47	8293.40	1414.0	96.63	1.76	0.83	0.10	0.68
9252	85931	2980.29	8297.06	1417.0	94.41	4.21	0.76	0.06	0.56
9253	85932	2980.29	8297.06	1414.0	95.15	3.13	0.78	0.10	0.84
9254	85933	2980.12	8300.71	1417.0	95.15	2.38	0.64	0.11	1.72
9255	85934	2980.12	8300.71	1414.0	94.87	2.07	0.66	0.17	2.23
9256	85935	2979.94	8304.37	1417.0	93.37	2.44	0.49	0.22	3.48
9257	85936	2979.94	8304.37	1414.0	94.62	2.27	0.53	0.12	2.46
9258	85937	2979.76	8308.03	1417.0	97.35	1.38	0.46	0.10	0.71
9259	85938	2979.76	8308.03	1414.0	95.90	2.20	0.59	0.05	1.26
9260	85939	2979.59	8311.68	1417.0	96.00	2.07	0.73	0.19	1.01
9261	85940	2979.59	8311.68	1414.0	96.75	1.64	0.49	0.15	0.97
9262	85941	2975.93	8311.50	1417.0	96.15	2.43	0.49	0.16	0.77
9263	85942	2975.93	8311.50	1414.0	95.88	1.97	0.74	0.09	1.32
9264	85943	2976.11	8307.85	1417.0	96.09	1.56	0.53	0.23	1.59
9265	85944	2976.11	8307.85	1414.0	96.16	1.60	0.53	0.12	1.59
9266	85945	2976.29	8304.19	1417.0	94.47	2.79	0.51	0.15	2.08
9267	85946	2976.29	8304.19	1414.0	93.81	1.96	0.73	0.08	3.42
9268	85947	2976.46	8300.54	1417.0	93.71	2.46	0.56	0.12	3.15
9269	85948	2976.46	8300.54	1414.0	93.72	1.66	1.20	0.09	3.33
9270	85949	2976.64	8296.88	1417.0	95.02	2.26	0.66	0.24	1.82
9271	85950	2976.64	8296.88	1414.0	93.69	1.45	1.22	0.10	3.54
9272	85951	2976.81	8293.23	1417.0	95.90	1.60	0.84	0.07	1.59
9273	85952	2976.81	8293.23	1414.0	95.26	1.70	0.75	0.10	2.19
9274	85953	2976.99	8289.57	1417.0	92.95	4.21	1.84	0.04	0.96
9275	85954	2976.99	8289.57	1414.0	95.70	2.27	1.25	0.08	0.70
9276	85955	2977.17	8285.92	1417.0	94.83	3.76	0.81	0.07	0.53
9277	85956	2977.17	8285.92	1414.0	94.73	1.59	3.23	0.08	0.37
9300	84128	3051.87	8299.86	1417.0	96.02	1.98	0.67	0.57	0.76
9301	84129	3051.87	8299.86	1414.0	95.84	1.89	0.75	0.64	0.88
9302	84130	3052.68	8296.28	1417.0	92.44	6.36	0.71	0.20	0.29
9303	84131	3052.68	8296.28	1414.0	94.77	3.64	1.09	0.21	0.29
9304	84132	3053.29	8292.71	1417.0	96.57	2.40	0.69	0.14	0.20
9305	84133	3053.29	8292.71	1414.0	96.33	2.19	0.77	0.30	0.41
9306	84134	3050.81	8292.36	1417.0	97.00	1.98	0.58	0.18	0.26
9307	84135	3050.81	8292.36	1414.0	96.44	2.06	0.73	0.33	0.44
9308	84136	3050.32	8295.98	1417.0	96.94	1.81	0.68	0.23	0.34
9309	84137	3050.32	8295.98	1414.0	96.54	1.92	0.76	0.32	0.46
9310	84138	3049.83	8299.61	1417.0	96.43	1.78	0.68	0.46	0.65
9311	84139	3049.83	8299.61	1414.0	96.79	1.23	0.86	0.46	0.66
9312	84140	3049.33	8303.24	1417.0	96.38	1.91	1.09	0.27	0.35
9313	84141	3049.33	8303.24	1414.0	96.47	1.40	1.10	0.47	0.56
9314	84142	3045.71	8302.74	1417.0	96.83	1.52	0.63	0.41	0.61
9315	84143	3045.71	8302.74	1414.0	96.72	1.95	0.58	0.28	0.47

Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
9316	84144	3046.20	8299.12	1417.0	97.34	1.48	0.53	0.25	0.40
9317	84145	3046.20	8299.12	1414.0	97.32	1.37	0.59	0.25	0.47
9318	84146	3046.69	8295.49	1417.0	97.15	1.37	0.69	0.29	0.50
9319	84147	3046.69	8295.49	1414.0	95.82	2.65	0.58	0.33	0.62
9320	84148	3047.19	8291.86	1417.0	97.21	1.63	0.65	0.19	0.32
9321	84149	3047.19	8291.86	1414.0	97.26	1.45	0.63	0.21	0.45
9322	84150	3043.56	8291.37	1417.0	96.84	1.55	0.71	0.33	0.57
9324	84151	3043.07	8295.00	1417.0	97.09	1.68	0.55	0.22	0.46
9325	84152	3043.07	8295.00	1414.0	96.52	2.05	0.56	0.30	0.57
9326	84153	3042.57	8298.62	1417.0	95.74	2.04	0.83	0.55	0.84
9327	84154	3042.57	8298.62	1414.0	96.10	1.81	0.59	0.63	0.87
9328	84155	3042.08	8302.25	1417.0	95.93	2.01	0.64	0.56	0.86
9329	84156	3042.08	8302.25	1414.0	95.34	2.48	0.80	0.56	0.82
9330	84157	3041.77	8304.05	1417.0	96.57	1.85	0.61	0.41	0.56
9331	84158	3041.77	8304.05	1414.0	96.60	1.59	0.63	0.46	0.72
9332	84159	3038.05	8304.05	1417.0	97.22	1.58	0.77	0.16	0.27
9333	84160	3038.05	8304.05	1414.0	96.72	2.13	0.51	0.25	0.39
9334	84161	3038.46	8301.76	1417.0	96.23	2.00	0.59	0.42	0.76
9335	84162	3038.46	8301.76	1414.0	96.29	2.38	0.53	0.28	0.52
9336	84163	3038.95	8298.13	1417.0	94.18	4.60	0.71	0.18	0.33
9337	84164	3038.95	8298.13	1414.0	94.97	3.73	0.62	0.27	0.41
9338	84165	3039.44	8294.50	1417.0	96.71	2.12	0.60	0.22	0.35
9339	84166	3039.44	8294.50	1414.0	97.09	1.73	0.54	0.26	0.38
9340	84167	3039.93	8290.88	1417.0	96.91	1.68	0.55	0.34	0.52
9341	84168	3039.93	8290.88	1414.0	97.10	1.55	0.81	0.21	0.33
9342	84169	3036.31	8290.38	1417.0	95.06	3.96	0.48	0.19	0.31
9343	84170	3036.31	8290.38	1414.0	96.18	3.04	0.51	0.10	0.17
9344	84171	3035.81	8294.01	1417.0	96.28	2.47	0.56	0.27	0.42
9345	84172	3035.81	8294.01	1414.0	95.08	3.79	0.58	0.21	0.34
9346	84173	3035.32	8297.64	1417.0	96.16	2.48	0.57	0.31	0.48
9347	84174	3035.32	8297.64	1414.0	94.88	3.58	0.56	0.39	0.59
9348	84175	3034.83	8301.26	1417.0	96.81	2.24	0.58	0.14	0.23
9349	84176	3034.83	8301.26	1414.0	96.56	2.36	0.57	0.20	0.31
9350	84177	3034.48	8304.15	1417.0	96.56	2.22	0.57	0.23	0.42
9351	84178	3034.48	8304.15	1414.0	96.53	2.25	0.62	0.23	0.37
9500	84058	3043.61	8366.78	1417.0	96.09	2.81	0.89	0.08	0.13
9501	84059	3043.61	8366.78	1414.0	97.18	1.78	0.83	0.08	0.13
9502	84060	3039.98	8366.29	1417.0	97.38	1.62	0.80	0.08	0.12
9503	84061	3039.98	8366.29	1414.0	97.77	1.44	0.63	0.06	0.10
9504	84062	3039.49	8369.91	1417.0	97.30	1.58	0.90	0.08	0.14
9505	84063	3039.49	8369.91	1414.0	97.67	1.14	1.08	0.01	0.10
9506	84064	3043.12	8370.41	1417.0	97.29	1.78	0.69	0.09	0.15
9507	84065	3043.12	8370.41	1414.0	97.87	1.33	0.61	0.07	0.12
9508	84066	3042.62	8374.03	1417.0	94.98	4.08	0.71	0.07	0.16
9509	84067	3042.62	8374.03	1414.0	97.46	1.59	0.75	0.06	0.14
9510	84068	3039.00	8373.54	1417.0	95.59	3.63	0.62	0.04	0.12
9511	84069	3039.00	8373.54	1414.0	93.67	5.39	0.72	0.07	0.15
9512	84070	3038.50	8377.17	1417.0	97.50	1.60	0.78	0.04	0.08
9513	84071	3038.50	8377.17	1414.0	97.90	1.20	0.82	0.02	0.06
9514	84072	3042.13	8377.66	1417.0	96.89	1.71	0.79	0.26	0.35
9515	84073	3042.13	8377.66	1414.0	97.45	1.65	0.75	0.05	0.10
9516	84074	3041.17	8381.26	1417.0	97.74	1.28	0.76	0.08	0.14
9517	84075	3041.17	8381.26	1414.0	97.16	1.51	0.93	0.14	0.26
9518	84076	3038.01	8380.79	1417.0	97.92	1.26	0.61	0.08	0.13
9519	84077	3038.01	8380.79	1414.0	97.39	1.68	0.71	0.08	0.14
9520	84078	3037.52	8384.42	1417.0	97.13	1.37	1.25	0.10	0.15
9521	84079	3037.52	8384.42	1414.0	97.21	1.51	1.08	0.07	0.13
9522	84080	3039.81	8384.77	1417.0	96.95	1.84	0.85	0.14	0.22
9523	84081	3039.81	8384.77	1414.0	97.59	1.52	0.68	0.08	0.13

Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
9524	84082	3038.95	8388.43	1417.0	96.34	2.06	1.31	0.10	0.19
9525	84083	3038.95	8388.43	1414.0	96.30	1.77	1.66	0.09	0.18
9526	84084	3037.03	8388.05	1417.0	95.16	2.12	2.44	0.09	0.19
9527	84085	3037.03	8388.05	1414.0	96.78	1.63	1.35	0.08	0.16
9528	84086	3033.40	8387.55	1417.0	96.16	2.63	0.86	0.12	0.23
9529	84087	3033.40	8387.55	1414.0	96.05	2.65	1.01	0.10	0.19
9530	84088	3033.89	8383.93	1417.0	97.97	1.28	0.60	0.05	0.10
9531	84089	3033.89	8383.93	1414.0	97.33	1.61	0.90	0.06	0.10
9532	84090	3034.39	8380.30	1417.0	97.78	1.36	0.77	0.03	0.06
9533	84091	3034.39	8380.30	1414.0	96.92	1.89	0.99	0.07	0.13
9534	84092	3034.88	8376.67	1417.0	97.81	1.36	0.72	0.04	0.07
9535	84093	3034.88	8376.67	1414.0	97.18	1.82	0.86	0.05	0.09
9536	84094	3035.37	8373.05	1417.0	96.99	2.10	0.70	0.07	0.14
9537	84095	3035.37	8373.05	1414.0	96.08	3.11	0.68	0.04	0.09
9538	84096	3035.86	8369.42	1417.0	97.04	1.97	0.84	0.05	0.10
9539	84097	3035.86	8369.42	1414.0	97.57	1.46	0.75	0.09	0.13
9540	84098	3036.36	8365.79	1417.0	97.09	1.90	0.84	0.06	0.11
9541	84099	3036.36	8365.79	1414.0	97.46	1.75	0.67	0.04	0.08
9542	84100	3032.73	8365.30	1417.0	96.86	2.17	0.79	0.06	0.12
9543	84101	3032.73	8365.30	1414.0	97.50	1.76	0.58	0.05	0.11
9544	84102	3032.24	8368.93	1417.0	97.06	1.99	0.72	0.07	0.16
9545	84103	3032.24	8368.93	1414.0	97.19	2.06	0.58	0.05	0.12
9546	84104	3031.74	8372.55	1417.0	97.24	2.01	0.59	0.04	0.12
9547	84105	3031.74	8372.55	1414.0	95.95	2.57	1.30	0.06	0.12
9548	84106	3031.25	8376.18	1417.0	97.39	1.81	0.63	0.06	0.11
9549	84107	3031.25	8376.18	1414.0	97.73	1.49	0.63	0.05	0.10
9550	84108	3030.76	8379.81	1417.0	93.54	5.44	0.71	0.10	0.21
9551	84109	3030.76	8379.81	1414.0	96.35	2.46	0.96	0.08	0.15
9552	84110	3030.26	8383.43	1417.0	95.26	3.60	0.83	0.08	0.23
9553	84111	3030.26	8383.43	1414.0	94.53	4.19	0.93	0.09	0.26
9554	84112	3029.77	8387.06	1417.0	96.46	2.47	0.76	0.08	0.23
9555	84113	3029.77	8387.06	1414.0	94.86	3.66	1.25	0.07	0.16
9556	84114	3026.15	8386.57	1417.0	97.46	1.66	0.64	0.08	0.16
9557	84115	3026.15	8386.57	1414.0	96.68	1.97	1.18	0.05	0.12
9558	84116	3026.64	8382.94	1417.0	97.57	1.59	0.65	0.06	0.13
9559	84117	3026.64	8382.94	1414.0	97.23	1.76	0.83	0.06	0.12
9560	84118	3027.13	8379.32	1417.0	97.07	2.16	0.60	0.06	0.11
9561	84119	3027.13	8379.32	1414.0	97.46	1.75	0.66	0.04	0.09
9562	84120	3027.62	8375.69	1417.0	97.42	1.97	0.48	0.04	0.09
9563	84121	3027.62	8375.69	1414.0	97.00	2.05	0.79	0.05	0.11
9564	84122	3028.12	8372.06	1417.0	93.51	5.37	0.62	0.14	0.36
9565	84123	3028.12	8372.06	1414.0	95.62	3.49	0.63	0.08	0.18
9566	84124	3028.61	8368.43	1417.0	91.75	7.33	0.63	0.07	0.22
9567	84125	3029.10	8364.81	1414.0	96.27	2.69	0.70	0.09	0.25
9568	84126	3029.10	8364.81	1417.0	96.30	2.91	0.62	0.05	0.12
9569	84127	3028.61	8368.43	1414.0	97.16	2.13	0.57	0.04	0.10
9700	84339	3006.66	8311.84	1417.0	95.82	3.18	0.81	0.02	0.17
9701	84340	3006.66	8311.84	1414.0	96.85	2.44	0.54	0.01	0.16
9702	84341	3006.78	8310.13	1417.0	95.43	3.83	0.52	0.03	0.19
9703	84342	3006.78	8310.13	1414.0	97.17	2.15	0.48	0.02	0.18
9704	84343	3007.05	8306.48	1417.0	96.53	2.02	0.97	0.11	0.37
9705	84344	3007.05	8306.48	1414.0	96.56	2.19	0.55	0.21	0.49
9706	84345	3007.33	8302.83	1417.0	96.03	2.58	0.76	0.22	0.41
9707	84346	3007.33	8302.83	1414.0	96.20	2.16	1.28	0.10	0.26
9708	84347	3010.98	8303.11	1417.0	93.88	4.67	0.72	0.21	0.52
9709	84348	3010.98	8303.11	1414.0	95.91	2.85	0.71	0.17	0.36
9710	84349	3010.70	8306.75	1417.0	96.49	2.02	0.43	0.31	0.75
9711	84350	3010.70	8306.75	1414.0	97.36	1.77	0.52	0.09	0.26
9712	84351	3010.43	8310.41	1417.0	97.39	1.95	0.55	0.01	0.10

Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
9713	84352	3010.43	8310.41	1414.0	97.22	1.98	0.51	0.06	0.23
9714	84353	3010.21	8312.29	1417.0	97.34	2.04	0.52	0.01	0.09
9715	84354	3010.21	8312.29	1414.0	97.11	2.07	0.62	0.02	0.18
9716	84355	3013.83	8312.59	1417.0	97.65	1.78	0.45	0.01	0.11
9717	84356	3013.83	8312.59	1414.0	96.89	2.08	0.67	0.14	0.22
9718	84357	3014.07	8310.68	1417.0	97.80	1.63	0.46	0.03	0.08
9719	84358	3014.07	8310.68	1414.0	97.03	1.97	0.56	0.16	0.28
9720	84359	3014.35	8307.03	1417.0	97.61	1.62	0.49	0.08	0.20
9721	84360	3014.35	8307.03	1414.0	97.56	1.58	0.64	0.07	0.15
9722	84361	3014.63	8303.38	1417.0	95.26	3.82	0.64	0.08	0.20
9723	84362	3014.63	8303.38	1414.0	96.76	2.22	0.66	0.11	0.25
9724	84363	3018.28	8303.66	1417.0	97.47	1.82	0.54	0.05	0.12
9725	84364	3018.28	8303.66	1414.0	97.17	1.77	0.64	0.11	0.31
9726	84365	3018.00	8307.31	1417.0	97.65	1.63	0.47	0.08	0.17
9727	84366	3018.00	8307.31	1414.0	96.70	2.45	0.57	0.08	0.20
9728	84367	3017.73	8310.96	1417.0	97.43	1.80	0.47	0.09	0.21
9729	84368	3017.73	8310.96	1414.0	96.99	2.27	0.52	0.07	0.15
9730	84369	3017.45	8312.74	1417.0	97.30	1.73	0.55	0.14	0.28
9731	84370	3017.45	8312.74	1414.0	97.39	1.62	0.76	0.06	0.17
9732	84371	3021.08	8313.12	1417.0	96.21	1.75	0.93	0.36	0.75
9733	84372	3021.08	8313.12	1414.0	96.56	2.66	0.61	0.04	0.13
9734	84373	3021.37	8311.23	1417.0	96.94	1.86	0.78	0.13	0.29
9735	84374	3021.37	8311.23	1414.0	97.09	2.05	0.55	0.10	0.21
9736	84375	3021.65	8307.58	1417.0	96.70	2.12	0.72	0.16	0.30
9737	84376	3021.65	8307.58	1414.0	96.75	1.99	0.72	0.17	0.37
9738	84377	3021.93	8303.93	1417.0	95.55	2.92	0.75	0.24	0.54
9739	84378	3021.93	8303.93	1414.0	91.98	6.73	0.59	0.18	0.52
9740	84379	3025.57	8304.21	1417.0	95.13	3.62	0.79	0.12	0.34
9741	84380	3025.57	8304.21	1414.0	96.18	2.33	0.88	0.19	0.42
9742	84381	3025.30	8307.86	1417.0	93.62	4.75	0.89	0.19	0.55
9743	84382	3025.30	8307.86	1414.0	95.82	2.68	0.82	0.24	0.44
9744	84383	3025.02	8311.51	1417.0	92.73	5.49	0.81	0.21	0.76
9745	84384	3025.02	8311.51	1414.0	93.63	5.12	0.67	0.15	0.43
9746	84385	3024.75	8315.16	1417.0	95.40	3.50	0.88	0.04	0.18
9747	84386	3024.75	8315.16	1414.0	93.60	4.78	1.33	0.04	0.25
9748	84387	3028.40	8315.43	1417.0	96.83	2.32	0.68	0.04	0.13
9749	84388	3028.40	8315.43	1414.0	96.59	2.60	0.60	0.06	0.15
9750	84389	3028.67	8311.78	1417.0	97.02	1.91	0.82	0.07	0.18
9751	84390	3028.67	8311.78	1414.0	97.41	1.75	0.56	0.09	0.19
9752	84391	3028.95	8308.13	1417.0	97.65	1.32	0.81	0.06	0.16
9753	84392	3028.95	8308.13	1414.0	96.98	1.73	0.85	0.16	0.28
9754	84393	3029.23	8304.48	1417.0	97.10	1.58	1.17	0.05	0.10
9755	84394	3029.23	8304.48	1414.0	97.24	1.71	0.73	0.11	0.21
9756	84395	3032.05	8315.71	1417.0	95.81	3.37	0.57	0.07	0.18
9757	84396	3032.05	8315.71	1414.0	96.40	2.93	0.54	0.04	0.09
9758	84397	3032.32	8312.06	1417.0	97.03	2.22	0.54	0.06	0.15
9759	84398	3032.32	8312.06	1414.0	96.74	2.36	0.65	0.08	0.17
9760	84399	3032.60	8308.41	1417.0	97.06	2.02	0.70	0.08	0.14
9761	84400	3032.60	8308.41	1414.0	96.48	2.55	0.62	0.13	0.22
9762	84401	3032.87	8304.76	1417.0	97.15	1.86	0.66	0.12	0.21
9763	84402	3032.87	8304.76	1414.0	97.26	1.72	0.54	0.17	0.31
9764	84403	3033.15	8301.11	1417.0	96.48	1.86	1.12	0.21	0.33
9765	84404	3033.15	8301.11	1414.0	97.00	1.97	0.78	0.10	0.15
9766	84405	3029.50	8300.83	1417.0	96.28	2.46	0.93	0.10	0.23
9767	84406	3029.50	8300.83	1414.0	96.82	1.78	0.98	0.15	0.27
9768	84407	3025.85	8300.56	1417.0	93.46	5.23	0.79	0.15	0.37
9769	84408	3025.85	8300.56	1414.0	95.06	3.71	0.67	0.16	0.40
9770	84409	3022.20	8300.28	1417.0	95.89	2.57	1.16	0.08	0.30
9771	84410	3022.20	8300.28	1414.0	90.93	7.78	0.73	0.10	0.46

Bench 34 Elev. 1414

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
9772	84411	3018.55	8300.01	1417.0	97.11	2.06	0.60	0.03	0.20
9773	84412	3018.55	8300.01	1414.0	96.85	1.94	0.70	0.13	0.38
9774	84413	3014.90	8299.73	1417.0	97.60	1.49	0.62	0.07	0.22
9775	84414	3014.90	8299.73	1414.0	97.73	1.45	0.51	0.08	0.23
9776	84415	3011.25	8299.46	1417.0	96.54	2.64	0.60	0.07	0.15
9777	84416	3011.25	8299.46	1414.0	94.59	4.49	0.68	0.07	0.17
9778	84417	3007.60	8299.18	1417.0	97.26	1.81	0.67	0.02	0.24
9779	84418	3007.60	8299.18	1414.0	96.95	1.55	1.20	0.14	0.16



## Bench 45 Elev. 1348

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
0100	84475	2891.40	8131.67	1351.0	97.75	1.33	0.48	0.10	0.34
0101	84476	2891.40	8131.67	1348.0	97.88	1.49	0.41	0.04	0.18
0102	84477	2895.05	8132.22	1351.0	97.35	1.75	0.38	0.15	0.37
0103	84478	2895.05	8132.22	1348.0	97.57	1.36	0.53	0.12	0.42
0104	84479	2898.65	8132.67	1351.0	97.25	1.76	0.38	0.16	0.45
0105	84480	2898.65	8132.67	1348.0	96.27	1.78	1.13	0.20	0.62
0106	84481	2900.29	8132.87	1351.0	97.35	1.68	0.34	0.16	0.47
0107	84482	2900.29	8132.87	1348.0	97.34	1.39	0.42	0.26	0.59
0108	84483	2900.89	8130.22	1351.0	97.58	1.30	0.37	0.20	0.55
0109	84484	2900.89	8130.22	1348.0	97.48	1.36	0.61	0.13	0.42
0110	84485	2898.89	8129.97	1351.0	97.44	1.47	0.51	0.16	0.42
0111	84486	2898.89	8129.97	1348.0	97.16	1.77	0.40	0.21	0.46
0112	84487	2895.25	8129.56	1351.0	97.19	2.15	0.40	0.05	0.21
0113	84488	2895.25	8129.56	1348.0	97.75	1.59	0.41	0.05	0.20
0114	84489	2891.61	8129.16	1351.0	98.32	1.18	0.39	0.01	0.10
0115	84490	2891.61	8129.16	1348.0	98.52	1.10	0.32	0.01	0.05
0116	84491	2892.02	8125.52	1351.0	97.84	1.35	0.34	0.12	0.35
0117	84492	2892.02	8125.52	1348.0	97.95	1.36	0.39	0.07	0.23
0118	84493	2895.66	8125.93	1351.0	96.94	2.30	0.37	0.10	0.29
0119	84494	2895.66	8125.93	1348.0	98.19	1.25	0.32	0.05	0.19
0120	84495	2899.29	8126.33	1351.0	97.36	1.57	0.34	0.16	0.57
0121	84496	2899.29	8126.33	1348.0	96.85	1.73	0.52	0.26	0.64
0122	84497	2902.34	8126.62	1351.0	97.53	1.41	0.65	0.10	0.31
0123	84498	2902.34	8126.62	1348.0	97.44	1.65	0.34	0.12	0.45
0124	84499	2903.33	8123.09	1351.0	97.88	1.38	0.31	0.09	0.34
0125	84500	2903.33	8123.09	1348.0	97.85	1.33	0.35	0.10	0.37
0126	84501	2899.70	8122.69	1351.0	97.84	1.35	0.32	0.12	0.37
0127	84502	2899.70	8122.69	1348.0	97.96	1.40	0.31	0.06	0.27
0128	84503	2896.06	8122.29	1351.0	97.95	1.26	0.39	0.08	0.32
0129	84504	2896.06	8122.29	1348.0	97.74	1.19	0.71	0.10	0.26
0130	84505	2892.42	8121.89	1351.0	98.48	1.09	0.30	0.02	0.11
0131	84506	2892.42	8121.89	1348.0	98.52	1.08	0.31	0.01	0.08
0132	84507	2890.35	8121.67	1351.0	97.81	1.43	0.47	0.06	0.23
0133	84508	2890.35	8121.67	1348.0	98.23	1.20	0.39	0.04	0.14
0134	84509	2890.20	8118.12	1351.0	98.14	1.51	0.27	0.01	0.07
0135	84510	2890.20	8118.12	1348.0	98.39	1.14	0.37	0.02	0.08
0136	84511	2892.82	8118.25	1351.0	98.01	1.54	0.31	0.01	0.13
0137	84512	2892.82	8118.25	1348.0	98.18	1.32	0.38	0.01	0.11
0138	84513	2896.46	8118.65	1351.0	97.49	1.35	0.32	0.19	0.65
0139	84514	2896.46	8118.65	1348.0	97.79	1.43	0.31	0.08	0.39
0140	84515	2900.10	8119.05	1351.0	97.56	1.61	0.30	0.10	0.43
0141	84516	2900.10	8119.05	1348.0	97.51	1.55	0.34	0.14	0.46
0142	84517	2903.74	8119.46	1351.0	97.60	1.47	0.40	0.11	0.42
0143	84518	2903.74	8119.46	1348.0	97.69	1.57	0.29	0.08	0.37
0144	84519	2904.14	8115.82	1351.0	97.75	1.49	0.33	0.08	0.35
0145	84520	2904.14	8115.82	1348.0	97.08	2.17	0.30	0.08	0.37
0146	84521	2900.50	8115.42	1351.0	97.78	1.40	0.32	0.10	0.40
0147	84522	2900.50	8115.42	1348.0	97.88	1.41	0.30	0.07	0.34
0148	84523	2896.86	8115.01	1351.0	97.85	1.26	0.29	0.15	0.45
0149	84524	2896.86	8115.01	1348.0	97.54	1.48	0.34	0.14	0.50
0150	84525	2893.22	8114.61	1351.0	98.19	1.20	0.50	0.01	0.10
0151	84526	2893.22	8114.61	1348.0	97.80	1.35	0.54	0.07	0.24
0152	84527	2890.70	8114.38	1351.0	98.50	0.98	0.46	0.01	0.05
0153	84528	2890.70	8114.38	1348.0	98.24	1.15	0.44	0.03	0.14
0154	84529	2891.35	8110.73	1351.0	97.09	2.15	0.54	0.04	0.18
0155	84530	2891.35	8110.73	1348.0	97.64	1.31	0.74	0.07	0.24
0156	84531	2893.63	8110.97	1351.0	98.14	1.17	0.32	0.08	0.29
0157	84532	2893.63	8110.97	1348.0	95.42	2.28	0.32	0.50	1.48
0158	84533	2897.26	8111.38	1351.0	96.79	2.21	0.30	0.18	0.52

Bench 45 Elev. 1348

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
0159	84534	2897.26	8111.38	1348.0	97.62	1.47	0.32	0.14	0.45
0160	84535	2900.90	8111.78	1351.0	97.96	1.30	0.32	0.09	0.33
0161	84536	2900.90	8111.78	1348.0	97.97	1.31	0.32	0.08	0.32
0162	84537	2904.54	8112.18	1351.0	97.75	1.41	0.33	0.11	0.40
0163	84538	2904.54	8112.18	1348.0	97.72	1.33	0.32	0.13	0.50
4500	81909	2849.80	8209.78	1351.0	98.02	1.55	0.37	0.01	0.05
4501	81910	2849.80	8209.78	1348.0	97.29	1.74	0.73	0.05	0.19
4502	81911	2849.92	8207.91	1351.0	98.32	1.24	0.38	0.01	0.05
4503	81912	2849.92	8207.91	1348.0	97.40	1.42	0.86	0.07	0.25
4504	81913	2850.12	8204.25	1351.0	95.73	1.10	3.05	0.01	0.11
4505	81914	2850.12	8204.25	1348.0	96.84	1.60	1.18	0.08	0.30
4506	81915	2850.33	8200.60	1351.0	96.78	1.32	1.70	0.04	0.16
4507	81916	2850.33	8200.60	1348.0	96.73	1.39	1.52	0.08	0.28
4508	81917	2850.53	8196.94	1351.0	97.43	1.58	0.61	0.10	0.28
4509	81918	2850.53	8196.94	1348.0	97.08	1.65	0.73	0.14	0.40
4510	81919	2854.18	8197.14	1351.0	97.41	1.66	0.58	0.10	0.25
4511	81920	2854.18	8197.14	1348.0	97.00	2.27	0.46	0.07	0.20
4512	81921	2853.98	8200.80	1351.0	97.99	1.57	0.38	0.01	0.05
4513	81922	2853.98	8200.80	1348.0	96.73	2.65	0.44	0.05	0.13
4514	81923	2853.78	8204.45	1351.0	97.96	1.55	0.42	0.01	0.06
4515	81924	2853.78	8204.45	1348.0	97.62	1.75	0.45	0.03	0.15
4516	81925	2853.58	8208.11	1351.0	97.97	1.63	0.33	0.01	0.06
4517	81926	2853.58	8208.11	1348.0	98.03	1.52	0.34	0.01	0.10
4518	81927	2853.38	8211.76	1351.0	96.68	2.83	0.38	0.01	0.10
4519	81928	2853.38	8211.76	1348.0	98.34	1.23	0.34	0.01	0.08
4521	81929	2851.42	8213.68	1348.0	97.46	1.66	0.71	0.03	0.14
4522	81930	2857.07	8210.08	1351.0	96.83	2.74	0.33	0.01	0.09
4523	81931	2857.07	8210.08	1348.0	96.65	2.89	0.32	0.05	0.09
4524	81932	2857.23	8208.31	1351.0	97.30	2.30	0.33	0.01	0.06
4525	81933	2857.23	8208.31	1348.0	97.74	1.86	0.31	0.01	0.08
4526	81934	2857.43	8204.65	1351.0	97.98	1.48	0.45	0.01	0.08
4527	81935	2857.43	8204.65	1348.0	98.03	1.50	0.33	0.02	0.12
4528	81936	2857.64	8201.00	1351.0	97.82	1.63	0.45	0.01	0.09
4529	81937	2857.64	8201.00	1348.0	96.42	2.93	0.46	0.04	0.15
4530	81938	2857.84	8197.34	1351.0	98.07	1.42	0.43	0.01	0.07
4531	81939	2857.84	8197.34	1348.0	98.10	1.28	0.47	0.02	0.13
4532	81940	2861.49	8197.55	1351.0	93.94	5.45	0.39	0.04	0.18
4533	81941	2861.49	8197.55	1348.0	95.64	3.62	0.41	0.05	0.28
4534	81942	2861.29	8201.20	1351.0	97.15	2.31	0.42	0.01	0.11
4535	81943	2861.29	8201.20	1348.0	96.04	3.30	0.49	0.03	0.14
4536	81944	2861.09	8204.86	1351.0	98.15	1.24	0.54	0.01	0.06
4537	81945	2861.09	8204.86	1348.0	97.59	1.66	0.59	0.02	0.14
4538	81946	2859.56	8207.60	1351.0	98.13	1.35	0.44	0.01	0.07
4539	81947	2859.56	8207.60	1348.0	98.32	1.27	0.34	0.01	0.06
4540	81948	2864.80	8203.32	1351.0	97.77	1.52	0.55	0.01	0.15
4541	81949	2864.80	8203.32	1348.0	95.90	2.93	0.74	0.08	0.35
4542	81950	2864.94	8201.40	1351.0	97.80	1.55	0.37	0.03	0.25
4543	81951	2864.94	8201.40	1348.0	93.53	5.42	0.39	0.10	0.56
4544	81952	2865.15	8197.75	1351.0	96.81	2.03	0.47	0.12	0.57
4545	81953	2865.15	8197.75	1348.0	94.88	3.95	0.36	0.13	0.68
4546	81954	2868.80	8197.95	1351.0	97.48	1.44	0.49	0.10	0.49
4547	81955	2868.80	8197.95	1348.0	97.23	1.75	0.32	0.13	0.57
4548	81956	2868.60	8201.60	1351.0	97.43	1.37	0.42	0.10	0.68
4549	81957	2868.60	8201.60	1348.0	97.40	1.71	0.39	0.07	0.43
4600	81559	2873.73	8196.55	1351.0	98.19	1.11	0.43	0.04	0.23
4601	81560	2873.73	8196.55	1348.0	95.90	3.32	0.44	0.08	0.26
4602	81561	2877.36	8196.98	1351.0	97.84	1.50	0.30	0.06	0.30
4603	81562	2877.36	8196.98	1348.0	96.60	2.59	0.48	0.06	0.27
4604	81563	2881.00	8197.41	1351.0	97.52	2.00	0.30	0.03	0.15

## Bench 45 Elev. 1348

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
4605	81564	2881.00	8197.41	1348.0	98.28	1.07	0.39	0.06	0.20
4606	81565	2884.63	8197.83	1351.0	97.84	1.20	0.62	0.09	0.25
4607	81566	2884.63	8197.83	1348.0	97.59	1.49	0.54	0.13	0.25
4608	81567	2881.43	8193.77	1351.0	94.56	4.46	0.62	0.05	0.31
4609	81568	2881.43	8193.77	1348.0	97.79	1.35	0.44	0.08	0.34
4610	81569	2877.79	8193.34	1351.0	94.05	4.18	1.64	0.01	0.12
4611	81570	2877.79	8193.34	1348.0	97.86	1.36	0.60	0.01	0.17
4612	81571	2874.16	8192.91	1351.0	96.60	2.96	0.32	0.01	0.11
4613	81572	2874.16	8192.91	1348.0	97.27	2.25	0.31	0.01	0.16
4614	81573	2874.59	8189.28	1351.0	93.81	3.27	2.83	0.01	0.08
4615	81574	2874.59	8189.28	1348.0	95.91	2.61	1.22	0.06	0.20
4616	81575	2878.22	8189.71	1351.0	97.64	1.78	0.41	0.03	0.14
4617	81576	2878.22	8189.71	1348.0	96.39	2.50	0.52	0.15	0.44
4618	81577	2881.86	8190.14	1351.0	97.60	1.53	0.59	0.07	0.21
4619	81578	2881.86	8190.14	1348.0	97.73	1.42	0.50	0.09	0.26
4620	81579	2885.49	8190.56	1351.0	97.37	1.68	0.61	0.09	0.25
4621	81580	2885.49	8190.56	1348.0	97.56	1.67	0.52	0.06	0.19
4622	81581	2885.92	8186.93	1351.0	97.72	1.57	0.39	0.09	0.23
4623	81582	2885.92	8186.93	1348.0	97.51	1.64	0.54	0.08	0.23
4624	81583	2882.28	8186.50	1351.0	97.86	1.49	0.42	0.06	0.17
4625	81584	2882.28	8186.50	1348.0	98.02	1.24	0.49	0.07	0.18
4626	81585	2878.65	8186.07	1351.0	97.46	1.39	0.98	0.03	0.14
4627	81586	2878.65	8186.07	1348.0	96.27	2.42	0.96	0.06	0.29
4628	81587	2875.02	8185.64	1351.0	97.00	1.92	0.85	0.03	0.20
4629	81588	2875.02	8185.64	1348.0	95.81	1.58	2.43	0.02	0.16
4630	81589	2870.95	8188.85	1351.0	97.13	1.88	0.71	0.05	0.23
4631	81590	2870.95	8188.85	1348.0	97.95	1.29	0.41	0.07	0.28
4632	81591	2870.52	8192.48	1351.0	96.53	2.76	0.49	0.03	0.19
4633	81592	2870.52	8192.48	1348.0	98.02	1.20	0.36	0.08	0.34
4634	81593	2866.89	8192.05	1351.0	96.36	2.65	0.35	0.11	0.53
4635	81594	2866.89	8192.05	1348.0	96.52	2.60	0.35	0.09	0.44
4636	81595	2867.75	8184.79	1351.0	88.89	10.22	0.66	0.03	0.20
4637	81596	2867.75	8184.79	1348.0	96.19	2.99	0.36	0.05	0.41
4638	81597	2864.11	8184.36	1351.0	96.28	1.79	0.75	0.22	0.96
4639	81598	2864.11	8184.36	1348.0	97.18	2.11	0.51	0.02	0.18
4640	81599	2863.68	8187.99	1351.0	96.70	2.42	0.48	0.06	0.34
4641	81600	2863.68	8187.99	1348.0	97.24	2.18	0.39	0.01	0.18
4642	81601	2863.25	8191.63	1351.0	97.93	1.32	0.32	0.04	0.39
4643	81602	2863.25	8191.63	1348.0	97.75	1.61	0.41	0.03	0.20
4644	81603	2859.62	8191.20	1351.0	97.62	1.45	0.36	0.10	0.47
4645	81604	2859.62	8191.20	1348.0	97.97	1.51	0.31	0.02	0.19
4646	81605	2860.05	8187.56	1351.0	98.00	1.26	0.53	0.01	0.20
4647	81606	2860.05	8187.56	1348.0	97.17	2.04	0.30	0.09	0.40
4648	81607	2860.48	8183.93	1351.0	97.68	1.57	0.36	0.05	0.34
4649	81608	2860.48	8183.93	1348.0	98.08	1.27	0.43	0.03	0.19
4650	81609	2856.84	8183.50	1351.0	98.17	1.19	0.33	0.04	0.27
4651	81610	2856.84	8183.50	1348.0	97.26	1.24	1.04	0.10	0.36
4652	81611	2856.41	8187.13	1351.0	98.13	1.19	0.43	0.03	0.22
4653	81612	2856.41	8187.13	1348.0	97.22	2.00	0.42	0.05	0.31
4654	81613	2855.98	8190.77	1351.0	97.66	1.40	0.46	0.07	0.41
4655	81614	2855.98	8190.77	1348.0	97.55	1.75	0.45	0.03	0.22
4656	81615	2855.55	8194.40	1351.0	95.68	3.14	0.67	0.14	0.37
4657	81616	2855.55	8194.40	1348.0	98.15	1.24	0.40	0.04	0.17
4659	81617	2859.19	8194.83	1348.0	97.65	1.36	0.53	0.10	0.36
4660	81618	2862.82	8195.26	1351.0	94.74	4.24	0.53	0.10	0.39
4661	81619	2862.82	8195.26	1348.0	98.01	1.33	0.31	0.06	0.29
4662	81620	2866.46	8195.69	1351.0	95.70	3.57	0.28	0.09	0.36
4663	81621	2866.46	8195.69	1348.0	96.76	2.28	0.60	0.07	0.29
4664	81622	2870.09	8196.12	1351.0	95.15	4.14	0.37	0.06	0.28

Bench 45 Elev. 1348

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
4665	81623	2870.09	8196.12	1348.0	97.59	1.57	0.39	0.09	0.36
5100	82184	2874.35	8152.13	1351.0	96.22	2.97	0.51	0.11	0.19
5101	82185	2874.35	8152.13	1348.0	98.02	1.35	0.45	0.06	0.12
5102	82186	2870.59	8152.65	1351.0	92.78	5.97	0.47	0.22	0.56
5103	82187	2870.59	8152.65	1348.0	97.34	1.70	0.58	0.11	0.27
5104	82188	2866.96	8152.23	1351.0	97.99	1.35	0.42	0.06	0.18
5105	82189	2866.96	8152.23	1348.0	94.57	4.22	0.52	0.19	0.50
5106	82190	2863.32	8151.82	1351.0	98.19	0.99	0.36	0.13	0.33
5107	82191	2863.32	8151.82	1348.0	96.67	2.24	0.49	0.17	0.43
5108	82192	2863.74	8148.18	1351.0	97.24	1.74	0.40	0.13	0.49
5109	82193	2863.74	8148.18	1348.0	97.97	1.24	0.38	0.09	0.32
5110	82194	2867.37	8148.60	1351.0	97.50	1.35	0.81	0.06	0.28
5111	82195	2867.37	8148.60	1348.0	97.88	1.03	0.54	0.12	0.43
5112	82196	2871.01	8149.01	1351.0	97.85	1.43	0.52	0.05	0.15
5113	82197	2871.01	8149.01	1348.0	96.12	1.06	2.59	0.06	0.17
5114	82198	2874.64	8149.43	1351.0	97.72	0.98	1.00	0.07	0.23
5115	82199	2874.64	8149.43	1348.0	98.07	1.08	0.51	0.09	0.25
5116	82200	2877.11	8149.59	1351.0	97.59	1.61	0.50	0.09	0.21
5117	82201	2877.11	8149.59	1348.0	97.43	1.71	0.51	0.10	0.25
5118	82202	2877.54	8145.95	1351.0	97.42	1.75	0.52	0.10	0.21
5119	82203	2877.54	8145.95	1348.0	97.95	1.29	0.47	0.09	0.20
5120	82204	2875.06	8145.79	1351.0	98.36	0.97	0.44	0.07	0.16
5121	82205	2875.06	8145.79	1348.0	98.15	0.97	0.51	0.11	0.26
5122	82206	2871.42	8145.38	1351.0	96.44	1.45	1.87	0.05	0.19
5123	82207	2871.42	8145.38	1348.0	97.63	1.04	1.06	0.06	0.21
5124	82208	2867.79	8144.96	1351.0	97.61	0.91	1.27	0.04	0.17
5125	82209	2867.79	8144.96	1348.0	97.39	1.25	1.13	0.06	0.17
5126	82210	2864.15	8144.54	1351.0	98.15	1.20	0.43	0.04	0.18
5127	82211	2864.15	8144.54	1348.0	97.91	1.05	0.43	0.11	0.50
5128	82212	2864.57	8140.91	1351.0	98.10	0.85	0.62	0.10	0.33
5129	82213	2864.57	8140.91	1348.0	98.16	0.90	0.71	0.05	0.18
5130	82214	2868.20	8141.32	1351.0	97.81	1.67	0.37	0.04	0.11
5131	82215	2868.20	8141.32	1348.0	95.06	3.83	0.87	0.07	0.17
5132	82216	2871.84	8141.74	1351.0	98.09	0.91	0.61	0.11	0.28
5133	82217	2871.84	8141.74	1348.0	97.87	0.93	0.98	0.06	0.16
5134	82218	2875.48	8142.15	1351.0	97.51	1.18	1.16	0.03	0.12
5135	82219	2875.48	8142.15	1348.0	98.31	0.92	0.55	0.06	0.16
5136	82220	2877.83	8142.39	1351.0	98.35	0.88	0.55	0.08	0.14
5137	82221	2877.83	8142.39	1348.0	97.49	1.61	0.62	0.10	0.18
5138	82222	2878.41	8138.83	1351.0	98.11	1.06	0.50	0.12	0.21
5139	82223	2878.41	8138.83	1348.0	98.15	1.22	0.42	0.07	0.14
5140	82224	2875.89	8138.52	1351.0	98.34	0.94	0.49	0.08	0.15
5141	82225	2875.89	8138.52	1348.0	98.48	0.90	0.37	0.08	0.17
5142	82226	2872.25	8138.10	1351.0	98.18	1.10	0.50	0.08	0.14
5143	82227	2872.25	8138.10	1348.0	97.82	1.56	0.37	0.08	0.17
5144	82228	2868.62	8137.69	1351.0	98.20	1.11	0.37	0.10	0.22
5145	82229	2868.62	8137.69	1348.0	97.63	1.08	1.13	0.05	0.11
5146	82230	2864.98	8137.27	1351.0	98.02	1.01	0.90	0.02	0.05
5147	82231	2864.98	8137.27	1348.0	98.12	1.16	0.48	0.06	0.18
5148	82232	2866.07	8133.75	1351.0	98.01	1.20	0.69	0.02	0.08
5149	82233	2866.07	8133.75	1348.0	97.86	0.98	0.96	0.06	0.14
5150	82234	2869.03	8134.05	1351.0	98.41	0.95	0.38	0.07	0.19
5151	82235	2869.03	8134.05	1348.0	96.12	0.98	2.70	0.05	0.15
5152	82236	2872.67	8134.47	1351.0	98.63	0.85	0.32	0.06	0.14
5153	82237	2872.67	8134.47	1348.0	98.21	1.09	0.50	0.07	0.13
5154	82238	2876.31	8134.88	1351.0	98.24	0.99	0.34	0.14	0.29
5155	82239	2876.31	8134.88	1348.0	98.50	0.89	0.53	0.02	0.06
5156	82240	2878.85	8135.20	1351.0	98.41	0.94	0.46	0.07	0.12
5157	82241	2878.85	8135.20	1348.0	98.13	1.24	0.34	0.09	0.20

## Bench 45 Elev. 1348

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
5158	82242	2880.36	8131.66	1351.0	96.64	1.93	0.89	0.15	0.39
5159	82243	2880.36	8131.66	1348.0	96.68	2.03	0.96	0.07	0.26
5160	82244	2876.72	8131.25	1351.0	97.16	2.30	0.32	0.05	0.17
5161	82245	2876.72	8131.25	1348.0	98.14	1.30	0.37	0.05	0.14
5162	82246	2873.09	8130.83	1351.0	98.26	1.05	0.34	0.10	0.25
5163	82247	2873.09	8130.83	1348.0	98.24	1.10	0.41	0.09	0.16
5164	82248	2869.45	8130.42	1351.0	97.88	1.16	0.70	0.08	0.18
5165	82249	2869.45	8130.42	1348.0	96.87	1.12	1.69	0.10	0.22
5166	82250	2884.00	8132.08	1351.0	96.26	3.14	0.45	0.04	0.11
5167	82251	2884.00	8132.08	1348.0	97.50	1.90	0.45	0.03	0.12
5168	82252	2887.63	8132.49	1351.0	97.02	2.34	0.42	0.05	0.17
5169	82253	2887.63	8132.49	1348.0	98.26	1.22	0.44	0.01	0.07
5170	82254	2891.27	8132.91	1351.0	97.74	1.50	0.42	0.08	0.26
5171	82255	2891.27	8132.91	1348.0	97.36	1.76	0.45	0.10	0.33
5172	82256	2894.90	8133.32	1351.0	97.61	1.35	0.41	0.18	0.45
5173	82257	2894.90	8133.32	1348.0	97.34	1.58	0.46	0.17	0.45
5174	82258	2898.54	8133.74	1351.0	97.77	1.51	0.32	0.09	0.31
5175	82259	2898.54	8133.74	1348.0	95.87	1.69	1.62	0.23	0.59
6200	81757	2888.38	8186.60	1351.0	94.83	1.69	3.23	0.06	0.19
6201	81758	2888.38	8186.60	1348.0	97.81	1.12	0.59	0.12	0.36
6202	81759	2889.12	8184.53	1351.0	97.80	1.47	0.39	0.11	0.23
6203	81760	2889.12	8184.53	1348.0	98.14	1.16	0.38	0.11	0.21
6204	81761	2890.03	8180.98	1351.0	97.08	1.49	1.11	0.09	0.23
6205	81762	2890.03	8180.98	1348.0	97.71	1.51	0.41	0.11	0.26
6206	81763	2890.94	8177.44	1351.0	96.98	1.63	1.12	0.09	0.18
6207	81764	2890.94	8177.44	1348.0	96.77	2.14	0.72	0.12	0.25
6208	81765	2891.85	8173.89	1351.0	96.76	1.01	2.04	0.04	0.15
6209	81766	2891.85	8173.89	1348.0	97.69	1.38	0.71	0.07	0.15
6210	81767	2892.75	8170.35	1351.0	97.29	1.61	0.88	0.07	0.15
6211	81768	2892.75	8170.35	1348.0	97.35	1.31	1.17	0.05	0.12
6213	81769	2893.66	8166.80	1348.0	98.23	1.17	0.39	0.06	0.15
6214	81770	2890.11	8165.89	1351.0	98.21	1.06	0.50	0.07	0.16
6215	81771	2890.11	8165.89	1348.0	97.99	1.39	0.38	0.06	0.18
6216	81772	2889.21	8169.44	1351.0	98.02	1.12	0.62	0.08	0.16
6217	81773	2889.21	8169.44	1348.0	97.72	1.11	0.94	0.07	0.16
6220	81774	2887.39	8176.53	1351.0	97.15	2.20	0.42	0.08	0.15
6221	81775	2887.39	8176.53	1348.0	97.26	1.57	0.76	0.11	0.30
6222	81776	2886.49	8180.08	1351.0	98.17	1.03	0.53	0.09	0.18
6223	81777	2886.49	8180.08	1348.0	98.01	1.22	0.51	0.08	0.18
6224	81778	2885.58	8183.62	1351.0	97.62	1.55	0.64	0.06	0.13
6225	81779	2885.58	8183.62	1348.0	97.51	1.71	0.54	0.08	0.16
6226	81780	2885.11	8185.26	1351.0	97.37	1.70	0.59	0.10	0.24
6227	81781	2885.11	8185.26	1348.0	97.96	1.25	0.55	0.08	0.16
6228	81782	2881.58	8184.34	1351.0	97.77	1.41	0.52	0.09	0.21
6229	81783	2881.58	8184.34	1348.0	97.81	1.34	0.54	0.10	0.21
6230	81784	2882.03	8182.71	1351.0	97.62	1.60	0.52	0.07	0.19
6231	81785	2882.03	8182.71	1348.0	97.85	1.39	0.53	0.07	0.16
6232	81786	2882.94	8179.17	1351.0	96.86	2.00	0.77	0.14	0.23
6233	81787	2882.94	8179.17	1348.0	97.65	1.33	0.62	0.14	0.26
6234	81788	2883.85	8175.62	1351.0	97.26	1.80	0.64	0.10	0.20
6235	81789	2883.85	8175.62	1348.0	97.81	1.27	0.55	0.13	0.24
6236	81790	2884.75	8172.08	1351.0	97.68	1.27	0.64	0.14	0.27
6237	81791	2884.75	8172.08	1348.0	98.22	1.26	0.39	0.04	0.09
6238	81792	2885.66	8168.53	1351.0	98.05	1.08	0.52	0.12	0.23
6242	81793	2883.02	8164.08	1351.0	97.52	1.26	0.89	0.10	0.23
6243	81794	2883.02	8164.08	1348.0	98.29	1.00	0.48	0.07	0.16
6244	81795	2882.11	8167.62	1351.0	98.14	1.06	0.53	0.08	0.19
6248	81796	2880.30	8174.72	1351.0	97.88	1.25	0.48	0.11	0.28
6249	81797	2880.30	8174.72	1348.0	97.16	1.29	1.34	0.04	0.17



## Bench 45 Elev. 1348

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
6250	81798	2879.39	8178.26	1351.0	97.94	1.13	0.69	0.07	0.17
6251	81799	2879.39	8178.26	1348.0	98.04	1.16	0.52	0.09	0.19
6252	81800	2878.49	8181.81	1351.0	97.50	1.70	0.53	0.06	0.21
6253	81801	2878.49	8181.81	1348.0	97.88	1.40	0.50	0.06	0.16
6254	81802	2874.94	8180.90	1351.0	97.59	1.22	0.78	0.10	0.31
6255	81803	2874.94	8180.90	1348.0	97.74	1.23	0.64	0.10	0.29
6257	81804	2875.85	8177.35	1348.0	97.06	1.99	0.56	0.10	0.29
6262	81805	2878.57	8166.72	1351.0	98.34	0.91	0.42	0.09	0.24
6263	81806	2878.57	8166.72	1348.0	97.22	1.67	0.73	0.11	0.27
6264	81807	2879.48	8163.17	1351.0	97.89	1.07	0.78	0.08	0.18
6265	81808	2879.48	8163.17	1348.0	97.81	1.23	0.48	0.16	0.32
6500	81958	2869.19	8181.59	1351.0	96.58	2.51	0.47	0.09	0.35
6501	81959	2869.19	8181.59	1348.0	86.29	12.44	0.47	0.12	0.68
6502	81960	2865.54	8181.35	1351.0	93.77	5.57	0.34	0.03	0.29
6503	81961	2865.54	8181.35	1348.0	97.81	1.54	0.37	0.03	0.25
6504	81962	2861.89	8181.11	1351.0	97.73	1.50	0.41	0.06	0.30
6505	81963	2861.89	8181.11	1348.0	97.91	1.31	0.61	0.03	0.14
6506	81964	2858.24	8180.86	1351.0	97.24	1.97	0.37	0.10	0.32
6507	81965	2858.24	8180.86	1348.0	96.56	2.80	0.37	0.08	0.19
6508	81966	2858.48	8177.21	1351.0	97.22	1.50	0.88	0.09	0.31
6509	81967	2858.48	8177.21	1348.0	97.00	1.48	1.13	0.07	0.32
6510	81968	2862.13	8177.45	1351.0	97.76	1.37	0.55	0.07	0.25
6511	81969	2862.13	8177.45	1348.0	97.66	1.40	0.65	0.07	0.22
6512	81970	2865.78	8177.70	1351.0	87.27	12.06	0.35	0.04	0.28
6513	81971	2865.78	8177.70	1348.0	90.13	8.89	0.62	0.07	0.29
6514	81972	2869.43	8177.94	1351.0	97.92	1.25	0.49	0.09	0.25
6515	81973	2869.43	8177.94	1348.0	96.31	2.73	0.63	0.09	0.24
6516	81974	2871.91	8178.11	1351.0	98.03	1.18	0.47	0.10	0.22
6517	81975	2871.91	8178.11	1348.0	96.93	2.31	0.41	0.10	0.25
6518	81976	2873.33	8174.53	1351.0	97.48	1.32	0.99	0.06	0.15
6519	81977	2873.33	8174.53	1348.0	97.84	1.36	0.59	0.06	0.15
6520	81978	2869.68	8174.29	1351.0	98.12	1.17	0.42	0.07	0.22
6521	81979	2869.68	8174.29	1348.0	98.01	1.16	0.53	0.09	0.21
6522	81980	2866.02	8174.04	1351.0	98.05	1.45	0.42	0.01	0.07
6523	81981	2866.02	8174.04	1348.0	98.14	1.32	0.35	0.04	0.15
6524	81982	2862.37	8173.80	1351.0	96.76	2.22	0.50	0.08	0.44
6525	81983	2862.37	8173.80	1348.0	96.22	2.40	0.55	0.15	0.68
6526	81984	2858.72	8173.56	1351.0	97.37	1.64	0.41	0.09	0.49
6527	81985	2858.72	8173.56	1348.0	97.41	1.95	0.41	0.04	0.19
6528	81986	2858.96	8169.91	1351.0	97.48	1.88	0.50	0.01	0.13
6529	81987	2858.96	8169.91	1348.0	97.87	1.30	0.54	0.04	0.25
6530	81988	2862.61	8170.15	1351.0	98.05	1.40	0.38	0.03	0.14
6531	81989	2862.61	8170.15	1348.0	95.20	4.13	0.43	0.02	0.22
6532	81990	2866.27	8170.39	1351.0	97.66	1.73	0.43	0.02	0.16
6533	81991	2866.27	8170.39	1348.0	97.77	1.55	0.43	0.04	0.21
6534	81992	2869.92	8170.63	1351.0	97.37	1.77	0.42	0.09	0.35
6535	81993	2869.92	8170.63	1348.0	98.06	1.11	0.57	0.07	0.19
6536	81994	2873.57	8170.88	1351.0	95.27	2.94	1.11	0.19	0.49
6537	81995	2873.57	8170.88	1348.0	96.34	1.45	1.76	0.11	0.34
6538	81996	2873.81	8167.22	1351.0	96.95	1.00	1.62	0.09	0.34
6539	81997	2873.81	8167.22	1348.0	97.04	1.46	1.01	0.10	0.39
6540	81998	2870.16	8166.98	1351.0	97.34	1.48	0.69	0.10	0.39
6541	81999	2870.16	8166.98	1348.0	93.84	4.79	0.68	0.21	0.48
6542	82000	2866.51	8166.74	1351.0	96.68	2.79	0.35	0.04	0.14
6543	82001	2866.51	8166.74	1348.0	96.44	2.79	0.42	0.06	0.29
6544	82002	2862.86	8166.50	1351.0	93.89	5.63	0.35	0.02	0.11
6545	82003	2862.86	8166.50	1348.0	96.38	2.95	0.40	0.05	0.22
6546	82004	2859.20	8166.26	1351.0	98.10	1.30	0.48	0.03	0.09
6547	82005	2859.20	8166.26	1348.0	97.48	1.60	0.42	0.12	0.38

Bench 45 Elev. 1348

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
6548	82006	2861.01	8162.79	1351.0	95.73	2.73	0.47	0.23	0.84
6549	82007	2861.01	8162.79	1348.0	97.15	2.06	0.44	0.07	0.28
6550	82008	2863.10	8162.85	1351.0	95.94	3.09	0.47	0.09	0.41
6551	82009	2863.10	8162.85	1348.0	94.63	4.34	0.54	0.07	0.42
6552	82010	2866.75	8163.09	1351.0	97.84	1.28	0.44	0.09	0.35
6553	82011	2866.75	8163.09	1348.0	96.45	2.74	0.44	0.08	0.29
6554	82012	2870.40	8163.33	1351.0	97.72	1.41	0.55	0.08	0.24
6555	82013	2870.40	8163.33	1348.0	97.68	1.43	0.53	0.09	0.27
6556	82014	2874.05	8163.57	1351.0	97.53	1.26	0.88	0.09	0.24
6557	82015	2874.05	8163.57	1348.0	97.48	1.18	1.02	0.08	0.24
6558	82016	2876.71	8160.08	1351.0	98.17	1.04	0.54	0.07	0.18
6559	82017	2876.71	8160.08	1348.0	97.97	1.19	0.47	0.08	0.29
6560	82018	2874.30	8159.92	1351.0	97.84	1.11	0.72	0.09	0.24
6561	82019	2874.30	8159.92	1348.0	98.17	1.02	0.62	0.05	0.14
6562	82020	2870.64	8159.68	1351.0	97.28	1.65	0.80	0.06	0.21
6563	82021	2870.64	8159.68	1348.0	95.53	1.27	2.96	0.05	0.19
6564	82022	2866.99	8159.44	1351.0	94.89	2.35	2.28	0.12	0.36
6565	82023	2866.99	8159.44	1348.0	97.38	1.23	0.97	0.07	0.35
6566	82024	2863.34	8159.19	1351.0	96.60	2.38	0.50	0.10	0.42
6567	82025	2863.34	8159.19	1348.0	97.80	1.34	0.52	0.05	0.29
6568	82026	2863.58	8155.54	1351.0	96.53	2.18	0.53	0.16	0.60
6569	82027	2863.58	8155.54	1348.0	96.71	2.16	0.61	0.11	0.41
6570	82028	2867.23	8155.78	1351.0	98.01	1.09	0.55	0.08	0.27
6571	82029	2867.23	8155.78	1348.0	95.47	1.22	2.92	0.07	0.32
6572	82030	2870.89	8156.03	1351.0	98.18	1.05	0.46	0.08	0.23
6573	82031	2870.89	8156.03	1348.0	97.30	1.41	0.91	0.10	0.28
6574	82032	2874.54	8156.27	1351.0	97.88	1.09	0.65	0.12	0.26
6575	82033	2874.54	8156.27	1348.0	97.31	1.98	0.50	0.06	0.15
6576	82034	2878.19	8156.51	1351.0	97.25	1.93	0.56	0.07	0.19
6577	82035	2878.19	8156.51	1348.0	97.39	1.82	0.55	0.07	0.17
6600	82117	2892.72	8163.90	1351.0	97.39	1.84	0.44	0.10	0.23
6601	82118	2892.72	8163.90	1348.0	97.80	1.46	0.34	0.12	0.28
6602	82119	2893.23	8160.28	1351.0	97.71	1.38	0.52	0.12	0.27
6603	82120	2893.23	8160.28	1348.0	97.86	1.40	0.41	0.10	0.23
6604	82121	2893.74	8156.65	1351.0	96.75	2.12	0.51	0.20	0.42
6605	82122	2893.74	8156.65	1348.0	96.46	2.65	0.40	0.14	0.35
6606	82123	2894.25	8153.03	1351.0	97.71	1.50	0.48	0.10	0.21
6607	82124	2894.25	8153.03	1348.0	97.31	1.77	0.54	0.13	0.25
6608	82125	2894.76	8149.40	1351.0	97.82	1.45	0.48	0.08	0.17
6609	82126	2894.76	8149.40	1348.0	96.87	1.83	0.67	0.19	0.44
6610	82127	2895.27	8145.78	1351.0	97.67	1.17	0.63	0.17	0.36
6611	82128	2895.27	8145.78	1348.0	97.61	1.35	0.49	0.17	0.38
6612	82129	2895.78	8142.15	1351.0	97.34	1.41	0.69	0.18	0.38
6613	82130	2895.78	8142.15	1348.0	97.26	1.47	0.36	0.24	0.67
6614	82131	2896.29	8138.53	1351.0	97.11	1.60	0.41	0.24	0.64
6615	82132	2896.29	8138.53	1348.0	96.79	1.66	0.39	0.29	0.87
6616	82133	2892.67	8138.02	1351.0	97.23	1.66	0.43	0.21	0.47
6617	82134	2892.67	8138.02	1348.0	97.78	1.50	0.40	0.07	0.25
6618	82135	2892.16	8141.64	1351.0	97.02	1.66	0.59	0.17	0.56
6619	82136	2892.16	8141.64	1348.0	97.14	1.69	0.45	0.17	0.55
6620	82137	2891.65	8145.27	1351.0	97.34	1.77	0.40	0.13	0.36
6621	82138	2891.65	8145.27	1348.0	97.48	1.68	0.38	0.11	0.35
6622	82139	2891.14	8148.89	1351.0	98.12	1.17	0.37	0.10	0.24
6623	82140	2891.14	8148.89	1348.0	96.34	2.82	0.44	0.12	0.28
6624	82141	2890.63	8152.52	1351.0	97.97	1.29	0.39	0.10	0.25
6625	82142	2890.63	8152.52	1348.0	97.83	1.52	0.39	0.08	0.18
6626	82143	2890.12	8156.14	1351.0	97.26	2.04	0.39	0.10	0.21
6627	82144	2890.12	8156.14	1348.0	96.53	2.67	0.40	0.12	0.28
6628	82145	2886.49	8155.63	1351.0	98.35	0.93	0.42	0.09	0.21

Bench 45 Elev. 1348

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
6629	82146	2886.49	8155.63	1348.0	96.74	1.31	1.71	0.05	0.19
6630	82147	2887.00	8152.01	1351.0	98.02	1.10	0.52	0.08	0.28
6631	82148	2887.00	8152.01	1348.0	98.13	1.21	0.41	0.08	0.17
6632	82149	2887.51	8148.38	1351.0	98.27	1.11	0.41	0.06	0.15
6633	82150	2887.51	8148.38	1348.0	95.80	1.48	2.37	0.09	0.26
6634	82151	2888.02	8144.76	1351.0	98.29	1.02	0.40	0.08	0.21
6635	82152	2888.02	8144.76	1348.0	98.00	1.24	0.39	0.10	0.27
6636	82153	2888.53	8141.13	1351.0	98.01	1.20	0.43	0.10	0.26
6637	82154	2888.53	8141.13	1348.0	95.18	1.29	3.07	0.10	0.36
6638	82155	2889.04	8137.51	1351.0	98.10	1.04	0.59	0.07	0.20
6639	82156	2889.04	8137.51	1348.0	97.68	1.19	0.71	0.09	0.33
6640	82157	2885.42	8137.00	1351.0	98.11	1.09	0.47	0.10	0.23
6641	82158	2885.42	8137.00	1348.0	95.64	1.05	2.98	0.08	0.25
6642	82159	2884.91	8140.62	1351.0	95.75	1.01	3.07	0.04	0.13
6643	82160	2884.91	8140.62	1348.0	95.48	1.21	3.07	0.06	0.18
6644	82161	2884.40	8144.25	1351.0	97.10	0.96	1.72	0.05	0.17
6645	82162	2884.40	8144.25	1348.0	98.21	0.96	0.54	0.08	0.21
6646	82163	2883.89	8147.87	1351.0	97.37	1.19	0.96	0.14	0.34
6647	82164	2883.89	8147.87	1348.0	96.50	2.38	0.82	0.09	0.21
6648	82165	2883.38	8151.50	1351.0	98.01	0.98	0.70	0.09	0.22
6649	82166	2883.38	8151.50	1348.0	97.00	0.96	1.80	0.06	0.18
6650	82167	2882.87	8155.12	1351.0	97.75	1.12	0.86	0.09	0.18
6651	82168	2882.87	8155.12	1348.0	96.72	2.40	0.55	0.11	0.22
6652	82169	2879.75	8150.99	1351.0	97.41	1.24	1.06	0.10	0.19
6653	82170	2879.75	8150.99	1348.0	97.83	1.23	0.64	0.10	0.20
6654	82171	2880.26	8147.36	1351.0	98.34	0.89	0.49	0.09	0.19
6655	82172	2880.26	8147.36	1348.0	92.96	5.32	0.69	0.31	0.72
6656	82173	2880.77	8143.74	1351.0	98.20	1.16	0.47	0.06	0.11
6657	82174	2880.77	8143.74	1348.0	98.31	0.93	0.46	0.09	0.21
6658	82175	2881.28	8140.11	1351.0	97.37	0.89	1.53	0.04	0.17
6659	82176	2881.28	8140.11	1348.0	98.19	0.93	0.60	0.08	0.20
6660	82177	2881.79	8136.49	1351.0	98.31	0.91	0.37	0.12	0.29
6661	82178	2881.79	8136.49	1348.0	98.02	0.98	0.78	0.06	0.16
6662	82179	2889.61	8159.77	1351.0	97.68	1.53	0.41	0.11	0.27
6663	82180	2889.61	8159.77	1348.0	96.46	1.22	2.13	0.04	0.15
6664	82181	2885.98	8159.26	1351.0	98.32	1.05	0.38	0.07	0.18
6665	82182	2885.98	8159.26	1348.0	98.26	1.06	0.49	0.06	0.13
6667	82183	2882.36	8158.75	1348.0	98.06	1.25	0.45	0.07	0.17
7200	82746	2868.09	8126.40	1351.0	96.95	1.31	1.56	0.05	0.13
7201	82747	2868.09	8126.40	1348.0	97.79	1.15	0.82	0.08	0.16
7202	82748	2871.72	8126.83	1351.0	97.86	1.22	0.44	0.13	0.35
7203	82749	2871.72	8126.83	1348.0	98.03	1.25	0.51	0.06	0.15
7204	82750	2875.36	8127.25	1351.0	97.64	1.97	0.33	0.01	0.05
7205	82751	2875.36	8127.25	1348.0	98.33	1.18	0.40	0.02	0.07
7206	82752	2879.00	8127.67	1351.0	98.41	1.13	0.39	0.02	0.05
7207	82753	2879.00	8127.67	1348.0	98.54	1.04	0.39	0.01	0.02
7208	82754	2882.63	8128.09	1351.0	98.52	1.05	0.37	0.02	0.04
7209	82755	2882.63	8128.09	1348.0	98.00	1.49	0.40	0.03	0.08
7210	82756	2882.27	8130.38	1351.0	97.73	1.57	0.56	0.04	0.10
7211	82757	2882.27	8130.38	1348.0	97.76	1.57	0.52	0.04	0.11
7212	82758	2885.85	8132.14	1351.0	97.44	1.74	0.59	0.06	0.17
7213	82759	2885.85	8132.14	1348.0	98.06	1.34	0.52	0.02	0.06
7214	82760	2886.27	8128.51	1351.0	97.78	1.67	0.45	0.04	0.06
7215	82761	2886.27	8128.51	1348.0	97.93	1.32	0.66	0.03	0.06
7216	82762	2886.69	8124.87	1351.0	97.90	1.64	0.37	0.03	0.06
7217	82763	2886.69	8124.87	1348.0	97.67	1.50	0.53	0.08	0.22
7218	82764	2883.05	8124.45	1351.0	98.55	1.06	0.32	0.02	0.05
7219	82765	2883.05	8124.45	1348.0	98.62	0.98	0.36	0.01	0.03
7220	82766	2879.42	8124.03	1351.0	97.69	1.91	0.36	0.01	0.03

Bench 45 Elev. 1348

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
7221	82767	2879.42	8124.03	1348.0	98.01	1.29	0.53	0.05	0.12
7222	82768	2875.78	8123.61	1351.0	97.70	1.44	0.36	0.13	0.37
7223	82769	2875.78	8123.61	1348.0	97.99	1.34	0.41	0.08	0.18
7224	82770	2872.14	8123.19	1351.0	98.08	1.16	0.47	0.10	0.19
7225	82771	2872.14	8123.19	1348.0	97.61	1.57	0.52	0.12	0.18
7226	82772	2868.51	8122.77	1351.0	98.18	1.07	0.47	0.10	0.18
7227	82773	2868.51	8122.77	1348.0	97.77	1.40	0.56	0.10	0.17
7228	82774	2868.93	8119.13	1351.0	97.98	1.32	0.45	0.09	0.16
7229	82775	2868.93	8119.13	1348.0	97.92	1.24	0.48	0.13	0.23
7230	82776	2872.56	8119.56	1351.0	97.81	1.58	0.41	0.07	0.13
7231	82777	2872.56	8119.56	1348.0	97.58	1.50	0.46	0.16	0.30
7232	82778	2876.20	8119.98	1351.0	97.87	1.54	0.45	0.04	0.10
7233	82779	2876.20	8119.98	1348.0	98.13	1.24	0.50	0.04	0.09
7234	82780	2879.84	8120.40	1351.0	97.70	1.75	0.44	0.02	0.09
7235	82781	2879.84	8120.40	1348.0	98.27	1.15	0.44	0.04	0.10
7236	82782	2883.47	8120.82	1351.0	98.52	1.07	0.37	0.01	0.03
7237	82783	2883.47	8120.82	1348.0	98.32	1.09	0.53	0.02	0.04
7238	82784	2887.11	8121.24	1351.0	98.54	1.10	0.32	0.01	0.03
7239	82785	2887.11	8121.24	1348.0	98.29	1.24	0.40	0.02	0.05
7240	82786	2887.53	8117.60	1351.0	97.59	2.01	0.35	0.01	0.04
7241	82787	2887.53	8117.60	1348.0	98.49	1.14	0.30	0.02	0.05
7242	82788	2883.89	8117.18	1351.0	97.82	1.17	0.95	0.01	0.05
7243	82789	2883.89	8117.18	1348.0	97.81	1.12	1.03	0.01	0.03
7244	82790	2880.26	8116.76	1351.0	98.13	1.19	0.61	0.01	0.06
7245	82791	2880.26	8116.76	1348.0	98.08	1.26	0.54	0.02	0.10
7246	82792	2876.62	8116.34	1351.0	97.99	1.28	0.47	0.08	0.18
7247	82793	2876.62	8116.34	1348.0	98.22	1.14	0.58	0.01	0.05
7248	82794	2872.99	8115.92	1351.0	98.15	1.16	0.47	0.07	0.15
7249	82795	2872.99	8115.92	1348.0	98.19	1.13	0.56	0.04	0.08
7250	82796	2873.41	8112.28	1351.0	97.81	1.32	0.69	0.06	0.12
7251	82797	2873.41	8112.28	1348.0	97.77	1.33	0.75	0.05	0.10
7252	82798	2877.04	8112.70	1351.0	98.00	1.21	0.56	0.05	0.18
7253	82799	2877.04	8112.70	1348.0	97.32	1.63	0.78	0.05	0.22
7254	82800	2880.68	8113.12	1351.0	98.35	1.21	0.35	0.02	0.07
7255	82801	2880.68	8113.12	1348.0	95.95	1.32	2.59	0.04	0.10
7256	82802	2884.31	8113.54	1351.0	98.44	1.05	0.44	0.01	0.06
7257	82803	2884.31	8113.54	1348.0	98.44	1.12	0.38	0.01	0.05
7258	82804	2887.95	8113.97	1351.0	98.59	1.07	0.29	0.01	0.04
7259	82805	2887.95	8113.97	1348.0	98.39	1.19	0.37	0.01	0.04
7260	82806	2888.37	8110.33	1351.0	97.90	1.24	0.67	0.03	0.16
7261	82807	2888.37	8110.33	1348.0	97.39	1.32	0.89	0.09	0.31
7262	82808	2884.73	8109.91	1351.0	98.48	1.04	0.40	0.02	0.06
7263	82809	2884.73	8109.91	1348.0	97.74	1.80	0.38	0.04	0.04
7264	82810	2881.10	8109.49	1351.0	98.07	1.35	0.47	0.03	0.08
7265	82811	2881.10	8109.49	1348.0	97.62	1.37	0.87	0.04	0.10
7266	82812	2877.46	8109.07	1351.0	97.63	1.52	0.65	0.05	0.15
7267	82813	2877.46	8109.07	1348.0	96.94	1.99	0.55	0.12	0.40
8300	83564	2864.52	8118.81	1351.0	98.23	1.13	0.47	0.05	0.12
8301	83565	2864.52	8118.81	1348.0	98.31	1.04	0.51	0.03	0.11
8302	83566	2863.84	8122.41	1351.0	98.36	1.11	0.45	0.01	0.07
8303	83567	2863.84	8122.41	1348.0	97.54	1.04	1.24	0.05	0.13
8304	83568	2860.25	8121.73	1351.0	98.12	1.16	0.58	0.03	0.11
8305	83569	2860.25	8121.73	1348.0	98.03	1.16	0.67	0.03	0.11
8306	83570	2859.57	8125.33	1351.0	98.02	1.13	0.52	0.08	0.25
8307	83571	2859.57	8125.33	1348.0	98.23	1.11	0.47	0.04	0.15
8308	83572	2863.17	8126.00	1351.0	98.26	1.15	0.44	0.03	0.12
8309	83573	2863.17	8126.00	1348.0	98.07	1.19	0.55	0.05	0.14
8310	83574	2862.49	8129.60	1351.0	97.67	1.62	0.55	0.05	0.11
8311	83575	2862.49	8129.60	1348.0	98.33	0.97	0.55	0.03	0.12

## Bench 45 Elev. 1348

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
8312	83576	2858.89	8128.92	1351.0	97.87	1.06	0.82	0.06	0.19
8313	83577	2858.89	8128.92	1348.0	96.85	1.04	1.91	0.04	0.16
8314	83578	2858.21	8132.52	1351.0	96.89	1.04	1.96	0.01	0.10
8315	83579	2858.21	8132.52	1348.0	97.53	1.16	1.16	0.03	0.12
8316	83580	2861.81	8133.20	1351.0	98.34	1.10	0.42	0.02	0.12
8317	83581	2861.81	8133.20	1348.0	96.58	2.74	0.51	0.03	0.14
8318	83582	2861.13	8136.79	1351.0	97.30	1.68	0.70	0.09	0.23
8319	83583	2861.13	8136.79	1348.0	97.59	1.27	0.77	0.10	0.27
8320	83584	2857.53	8136.12	1351.0	95.88	2.32	1.31	0.13	0.36
8321	83585	2857.53	8136.12	1348.0	97.31	1.35	1.12	0.06	0.16
8322	83586	2856.86	8139.71	1351.0	95.50	1.75	2.65	0.03	0.07
8323	83587	2856.86	8139.71	1348.0	96.93	1.72	1.11	0.06	0.18
8324	83588	2860.45	8140.39	1351.0	97.26	1.51	0.60	0.15	0.48
8325	83589	2860.45	8140.39	1348.0	97.42	1.62	0.55	0.10	0.31
8326	83590	2859.78	8143.99	1351.0	95.09	3.29	0.83	0.20	0.59
8327	83591	2859.78	8143.99	1348.0	97.02	1.80	0.51	0.18	0.49
8328	83592	2856.18	8143.31	1351.0	97.26	1.64	0.54	0.14	0.42
8329	83593	2856.18	8143.31	1348.0	97.40	1.50	0.60	0.11	0.39
8330	83594	2855.50	8146.91	1351.0	97.43	1.58	0.59	0.11	0.29
8331	83595	2855.50	8146.91	1348.0	97.16	1.73	0.57	0.14	0.40
8332	83596	2859.10	8147.58	1351.0	94.41	4.50	0.54	0.12	0.43
8333	83597	2859.10	8147.58	1348.0	97.43	1.74	0.43	0.09	0.31
8334	83598	2858.42	8151.18	1351.0	94.55	4.58	0.46	0.10	0.31
8335	83599	2858.42	8151.18	1348.0	96.12	3.05	0.52	0.07	0.24
8336	83600	2854.82	8150.50	1351.0	97.21	1.75	0.44	0.12	0.48
8337	83601	2854.82	8150.50	1348.0	97.16	1.76	0.44	0.12	0.52
8338	83602	2854.15	8154.10	1351.0	97.61	1.43	0.36	0.15	0.45
8339	83603	2854.15	8154.10	1348.0	97.74	1.26	0.42	0.16	0.42
8340	83604	2857.74	8154.78	1351.0	96.40	2.48	0.46	0.12	0.54
8341	83605	2857.74	8154.78	1348.0	92.26	6.71	0.50	0.11	0.42
8342	83606	2857.07	8158.37	1351.0	97.08	1.82	0.53	0.13	0.44
8343	83607	2857.07	8158.37	1348.0	96.86	2.40	0.44	0.07	0.23
8344	83608	2853.47	8157.70	1351.0	97.09	1.79	0.44	0.13	0.55
8345	83609	2853.47	8157.70	1348.0	97.42	1.39	0.39	0.16	0.64
8346	83610	2852.79	8161.29	1351.0	97.92	1.42	0.48	0.04	0.14
8347	83611	2852.79	8161.29	1348.0	97.63	1.40	0.47	0.15	0.35
9600	84251	2851.44	8188.98	1351.0	95.09	1.40	3.20	0.10	0.21
9601	84252	2851.44	8188.98	1348.0	96.37	1.47	1.57	0.14	0.45
9602	84253	2852.14	8185.39	1351.0	96.62	1.57	0.82	0.22	0.77
9603	84254	2852.14	8185.39	1348.0	96.53	1.51	1.21	0.18	0.57
9604	84255	2852.84	8181.80	1351.0	96.54	1.48	1.01	0.19	0.78
9605	84256	2852.84	8181.80	1348.0	97.01	1.32	0.59	0.25	0.83
9606	84257	2853.54	8178.21	1351.0	97.85	1.38	0.37	0.09	0.31
9607	84258	2853.54	8178.21	1348.0	97.56	1.44	0.38	0.12	0.50
9608	84259	2854.24	8174.61	1351.0	97.55	1.67	0.45	0.08	0.25
9609	84260	2854.24	8174.61	1348.0	97.86	1.35	0.37	0.11	0.31
9610	84261	2854.94	8171.02	1351.0	97.89	1.27	0.58	0.07	0.19
9611	84262	2854.94	8171.02	1348.0	97.88	1.37	0.42	0.09	0.24
9612	84263	2851.35	8170.32	1351.0	96.54	1.62	1.42	0.09	0.33
9613	84264	2851.35	8170.32	1348.0	96.91	1.58	0.98	0.13	0.40
9614	84265	2850.65	8173.91	1351.0	97.08	1.64	0.71	0.13	0.44
9615	84266	2850.65	8173.91	1348.0	96.49	1.50	1.51	0.12	0.38
9616	84267	2849.95	8177.50	1351.0	96.70	1.61	1.27	0.11	0.31
9617	84268	2849.95	8177.50	1348.0	96.55	1.45	1.59	0.10	0.31
9618	84269	2849.25	8181.10	1351.0	97.13	1.60	0.82	0.11	0.34
9619	84270	2849.25	8181.10	1348.0	97.67	1.35	0.63	0.07	0.28
9620	84271	2848.55	8184.69	1351.0	97.32	1.57	0.67	0.11	0.33
9621	84272	2848.55	8184.69	1348.0	96.13	1.64	1.66	0.12	0.45
9622	84273	2847.85	8188.28	1351.0	97.25	1.50	0.89	0.07	0.29



Bench 45 Elev. 1348

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
9623	84274	2847.85	8188.28	1348.0	96.23	1.64	1.76	0.08	0.29
9624	84275	2844.26	8187.58	1351.0	96.25	1.58	1.84	0.07	0.26
9625	84276	2844.26	8187.58	1348.0	97.02	1.58	0.98	0.10	0.32
9626	84277	2844.96	8183.99	1351.0	96.35	1.71	1.65	0.09	0.20
9627	84278	2844.96	8183.99	1348.0	97.04	1.47	1.18	0.08	0.23
9628	84279	2845.66	8180.40	1351.0	97.05	1.43	1.05	0.13	0.34
9629	84280	2845.66	8180.40	1348.0	96.82	1.54	1.20	0.13	0.31
9630	84281	2846.36	8176.81	1351.0	97.49	1.39	0.80	0.08	0.24
9631	84282	2846.36	8176.81	1348.0	97.38	1.41	0.82	0.10	0.29
9632	84283	2847.05	8173.21	1351.0	97.21	1.54	0.76	0.13	0.36
9633	84284	2847.05	8173.21	1348.0	97.60	1.29	0.69	0.10	0.32
9634	84285	2847.75	8169.62	1351.0	97.19	1.42	0.82	0.13	0.44
9635	84286	2847.75	8169.62	1348.0	97.62	1.48	0.49	0.10	0.31
9636	84287	2848.26	8167.21	1351.0	95.96	1.43	2.15	0.12	0.34
9637	84288	2848.26	8167.21	1348.0	96.49	1.26	1.91	0.08	0.26
9638	84289	2844.66	8166.63	1351.0	96.56	1.80	0.68	0.25	0.71
9639	84290	2844.66	8166.63	1348.0	96.21	1.58	1.61	0.16	0.44
9640	84291	2844.16	8168.92	1351.0	97.25	1.56	0.68	0.13	0.38
9641	84292	2844.16	8168.92	1348.0	96.80	1.44	1.28	0.12	0.36
9642	84293	2843.46	8172.51	1351.0	96.96	1.66	0.86	0.13	0.39
9643	84294	2843.46	8172.51	1348.0	97.36	1.54	0.66	0.13	0.31
9644	84295	2842.76	8176.11	1351.0	96.96	1.65	0.97	0.10	0.32
9645	84296	2842.76	8176.11	1348.0	97.52	1.44	0.73	0.07	0.24
9646	84297	2842.06	8179.70	1351.0	97.30	1.47	1.01	0.07	0.15
9647	84298	2842.06	8179.70	1348.0	97.03	1.62	0.72	0.18	0.45
9648	84299	2841.36	8183.29	1351.0	97.58	1.52	0.55	0.12	0.23
9649	84300	2841.36	8183.29	1348.0	97.37	1.53	0.70	0.10	0.30
9650	84301	2840.66	8186.88	1351.0	97.89	1.50	0.38	0.07	0.16
9651	84302	2840.66	8186.88	1348.0	97.52	1.46	0.68	0.10	0.24
9652	84303	2837.07	8186.18	1351.0	97.56	1.45	0.58	0.11	0.30
9653	84304	2837.07	8186.18	1348.0	97.29	1.47	0.85	0.11	0.28
9654	84305	2837.77	8182.59	1351.0	97.74	1.37	0.54	0.11	0.24
9655	84306	2837.77	8182.59	1348.0	97.77	1.30	0.72	0.06	0.15
9656	84307	2838.47	8179.00	1351.0	96.98	1.89	0.65	0.17	0.31
9657	84308	2838.47	8179.00	1348.0	97.54	1.49	0.72	0.07	0.18
9658	84309	2839.17	8175.41	1351.0	96.58	1.63	1.57	0.07	0.15
9659	84310	2839.17	8175.41	1348.0	95.96	1.77	1.97	0.09	0.21
9660	84311	2839.87	8171.81	1351.0	95.54	1.75	2.40	0.08	0.23
9661	84312	2839.87	8171.81	1348.0	95.30	1.82	2.25	0.17	0.46
9662	84313	2840.57	8168.22	1351.0	97.12	1.60	1.01	0.07	0.20
9663	84314	2840.57	8168.22	1348.0	97.05	1.46	1.07	0.11	0.31
9664	84315	2841.16	8165.85	1351.0	96.54	1.85	1.29	0.09	0.23
9665	84316	2841.16	8165.85	1348.0	96.92	1.51	1.27	0.08	0.22
9666	84317	2836.98	8167.52	1351.0	95.35	1.58	2.68	0.11	0.28
9667	84318	2836.98	8167.52	1348.0	95.65	1.25	2.88	0.07	0.15
9668	84319	2836.28	8171.11	1351.0	94.59	2.05	3.07	0.10	0.19
9669	84320	2836.28	8171.11	1348.0	95.08	1.60	3.07	0.06	0.19
9670	84321	2835.58	8174.71	1351.0	94.69	1.96	3.06	0.08	0.21
9671	84322	2835.58	8174.71	1348.0	96.29	1.35	2.10	0.06	0.20
9672	84323	2834.88	8178.30	1351.0	96.92	1.47	1.15	0.15	0.31
9673	84324	2834.88	8178.30	1348.0	95.59	2.22	1.74	0.15	0.30
9674	84325	2834.18	8181.89	1351.0	94.33	2.09	3.07	0.15	0.36
9675	84326	2834.18	8181.89	1348.0	94.87	1.70	3.07	0.12	0.24
9676	84327	2833.48	8185.48	1351.0	94.41	1.83	3.04	0.15	0.57
9677	84328	2833.48	8185.48	1348.0	93.83	2.63	3.07	0.12	0.35
9678	84329	2829.89	8184.79	1351.0	96.45	1.85	0.90	0.18	0.62
9679	84330	2829.89	8184.79	1348.0	94.83	1.70	2.24	0.28	0.95
9680	84331	2830.59	8181.19	1351.0	96.20	2.09	1.25	0.12	0.34
9681	84332	2830.59	8181.19	1348.0	95.67	1.79	1.91	0.20	0.43

Bench 45 Elev. 1348

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
9682	84333	2831.29	8177.60	1351.0	96.37	2.45	0.79	0.11	0.28
9683	84334	2831.29	8177.60	1348.0	94.49	1.60	3.08	0.19	0.64
9684	84335	2831.99	8174.01	1351.0	95.88	1.66	2.18	0.08	0.20
9685	84336	2831.99	8174.01	1348.0	94.19	1.85	3.06	0.25	0.65
9686	84337	2832.69	8170.42	1351.0	95.74	1.71	2.02	0.15	0.38
9687	84338	2832.69	8170.42	1348.0	94.44	1.73	3.08	0.22	0.53

Bench 46 Elev. 1342

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
0600	84813	2811.85	8349.31	1345.0	97.61	1.63	0.62	0.04	0.10
0601	84814	2811.85	8349.31	1342.0	98.26	1.33	0.31	0.02	0.08
0602	84815	2808.20	8349.54	1345.0	97.90	1.26	0.73	0.03	0.08
0603	84816	2808.20	8349.54	1342.0	97.41	1.81	0.64	0.04	0.10
0604	84817	2804.54	8349.76	1345.0	98.37	1.23	0.34	0.01	0.05
0605	84818	2804.54	8349.76	1342.0	98.24	1.24	0.45	0.01	0.06
0606	84819	2800.89	8349.99	1345.0	96.55	2.61	0.32	0.13	0.39
0607	84820	2800.89	8349.99	1342.0	97.35	2.07	0.47	0.02	0.09
0608	84821	2797.24	8350.21	1345.0	97.05	2.19	0.52	0.06	0.18
0609	84822	2797.24	8350.21	1342.0	98.00	1.50	0.38	0.03	0.09
0610	84823	2793.58	8350.44	1345.0	98.07	1.31	0.55	0.02	0.05
0611	84824	2793.58	8350.44	1342.0	97.91	1.35	0.65	0.02	0.07
0612	84825	2793.81	8354.09	1345.0	98.14	1.38	0.42	0.01	0.05
0613	84826	2793.81	8354.09	1342.0	98.19	1.30	0.43	0.02	0.06
0614	84827	2797.46	8353.86	1345.0	98.36	1.21	0.32	0.03	0.08
0615	84828	2797.46	8353.86	1342.0	98.38	1.25	0.31	0.01	0.05
0616	84829	2801.12	8353.64	1345.0	97.48	1.71	0.59	0.06	0.16
0617	84830	2801.12	8353.64	1342.0	98.11	1.36	0.37	0.04	0.12
0618	84831	2804.77	8353.41	1345.0	97.16	2.29	0.47	0.01	0.07
0619	84832	2804.77	8353.41	1342.0	97.95	1.38	0.61	0.01	0.05
0620	84833	2808.42	8353.19	1345.0	97.93	1.45	0.56	0.01	0.05
0621	84834	2808.42	8353.19	1342.0	98.23	1.28	0.41	0.02	0.06
0622	84835	2812.07	8352.96	1345.0	97.19	1.69	0.96	0.04	0.12
0623	84836	2812.07	8352.96	1342.0	95.17	1.29	3.45	0.02	0.07
0624	84837	2812.30	8356.62	1345.0	97.61	1.82	0.42	0.02	0.13
0625	84838	2812.30	8356.62	1342.0	98.14	1.45	0.33	0.01	0.07
0626	84839	2808.65	8356.84	1345.0	97.46	1.97	0.39	0.05	0.13
0627	84840	2808.65	8356.84	1342.0	97.97	1.52	0.38	0.03	0.10
0628	84841	2805.00	8357.07	1345.0	95.09	4.16	0.51	0.07	0.17
0629	84842	2805.00	8357.07	1342.0	97.53	1.44	0.97	0.01	0.05
0630	84843	2801.34	8357.29	1345.0	95.53	1.48	2.72	0.07	0.20
0631	84844	2801.34	8357.29	1342.0	97.30	1.55	0.55	0.19	0.41
0632	84845	2797.69	8357.52	1345.0	97.43	2.07	0.44	0.01	0.05
0633	84846	2797.69	8357.52	1342.0	97.70	1.53	0.58	0.05	0.14
0634	84847	2794.03	8357.74	1345.0	97.61	1.82	0.48	0.02	0.07
0635	84848	2794.03	8357.74	1342.0	97.97	1.29	0.57	0.05	0.12
0636	84849	2794.26	8361.40	1345.0	98.02	1.31	0.62	0.01	0.04
0637	84850	2794.26	8361.40	1342.0	98.20	1.32	0.42	0.01	0.05
0638	84851	2797.91	8361.17	1345.0	97.86	1.65	0.39	0.02	0.08
0639	84852	2797.91	8361.17	1342.0	98.37	1.26	0.31	0.01	0.05
0640	84853	2801.57	8360.95	1345.0	98.22	1.39	0.32	0.01	0.06
0641	84854	2801.57	8360.95	1342.0	98.36	1.22	0.37	0.01	0.04
0642	84855	2805.22	8360.72	1345.0	98.08	1.51	0.32	0.02	0.07
0643	84856	2805.22	8360.72	1342.0	98.09	1.37	0.44	0.02	0.08
0644	84857	2808.87	8360.50	1345.0	98.05	1.44	0.45	0.01	0.05
0645	84858	2808.87	8360.50	1342.0	98.25	1.26	0.42	0.01	0.06
0646	84859	2812.53	8360.27	1345.0	95.45	2.03	2.12	0.09	0.31
0647	84860	2812.53	8360.27	1342.0	97.42	1.43	1.03	0.02	0.10
0648	84861	2812.75	8363.92	1345.0	96.92	2.29	0.60	0.03	0.16
0649	84862	2812.75	8363.92	1342.0	97.26	2.28	0.35	0.01	0.10
0650	84863	2809.10	8364.15	1345.0	98.02	1.55	0.36	0.01	0.06
0651	84864	2809.10	8364.15	1342.0	98.47	1.18	0.31	0.01	0.03
0652	84865	2805.45	8364.37	1345.0	98.04	1.61	0.31	0.01	0.03
0653	84866	2805.45	8364.37	1342.0	98.41	1.21	0.33	0.01	0.04
0654	84867	2801.79	8364.60	1345.0	95.95	3.33	0.40	0.10	0.22
0655	84868	2801.79	8364.60	1342.0	97.63	1.70	0.43	0.07	0.17
0656	84869	2798.14	8364.82	1345.0	98.13	1.41	0.39	0.01	0.06
0657	84870	2798.14	8364.82	1342.0	98.03	1.53	0.38	0.01	0.05
0658	84871	2794.49	8365.05	1345.0	97.83	1.73	0.35	0.01	0.08

Bench 46 Elev. 1342

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
0659	84872	2794.49	8365.05	1342.0	97.91	1.66	0.36	0.01	0.06
0660	84873	2794.71	8368.70	1345.0	97.61	1.75	0.33	0.11	0.20
0661	84874	2794.71	8368.70	1342.0	97.96	1.45	0.38	0.07	0.14
0662	84875	2798.36	8368.48	1345.0	97.64	1.82	0.36	0.04	0.14
0663	84876	2798.36	8368.48	1342.0	98.09	1.46	0.31	0.03	0.11
0664	84877	2802.02	8368.25	1345.0	97.55	1.96	0.36	0.03	0.10
0665	84878	2802.02	8368.25	1342.0	97.45	1.60	0.86	0.01	0.08
0666	84879	2805.67	8368.03	1345.0	98.05	1.57	0.32	0.01	0.05
0667	84880	2805.67	8368.03	1342.0	98.17	1.33	0.42	0.01	0.07
0668	84881	2809.32	8367.80	1345.0	95.75	3.74	0.37	0.01	0.13
0669	84882	2809.32	8367.80	1342.0	98.01	1.36	0.56	0.01	0.06
0670	84883	2812.98	8367.58	1345.0	98.08	1.51	0.33	0.01	0.07
0671	84884	2812.98	8367.58	1342.0	97.68	1.82	0.31	0.01	0.18
0672	84885	2813.20	8371.23	1345.0	98.39	1.19	0.30	0.02	0.10
0673	84886	2813.20	8371.23	1342.0	98.22	1.32	0.40	0.01	0.05
0674	84887	2809.55	8371.45	1345.0	97.80	1.72	0.36	0.02	0.10
0675	84888	2809.55	8371.45	1342.0	97.84	1.47	0.58	0.01	0.10
0676	84889	2805.90	8371.68	1345.0	95.82	3.81	0.29	0.01	0.07
0677	84890	2805.90	8371.68	1342.0	98.06	1.52	0.35	0.01	0.06
0678	84891	2802.24	8371.90	1345.0	97.79	1.74	0.32	0.04	0.11
0679	84892	2802.24	8371.90	1342.0	98.28	1.28	0.33	0.02	0.09
0680	84893	2798.59	8372.13	1345.0	97.68	1.71	0.43	0.04	0.14
0681	84894	2798.59	8372.13	1342.0	97.94	1.54	0.38	0.03	0.11
0682	84895	2794.94	8372.36	1345.0	97.81	1.57	0.36	0.08	0.18
0683	84896	2794.94	8372.36	1342.0	96.25	2.73	0.37	0.26	0.39
4800	82036	2796.50	8332.32	1345.0	98.37	1.22	0.34	0.02	0.05
4801	82037	2796.50	8332.32	1342.0	98.04	1.39	0.35	0.04	0.18
4802	82038	2796.67	8328.67	1345.0	98.31	1.20	0.34	0.02	0.13
4803	82039	2796.67	8328.67	1342.0	98.06	1.37	0.36	0.04	0.17
4804	82040	2796.83	8325.01	1345.0	97.98	1.53	0.35	0.02	0.12
4805	82041	2796.83	8325.01	1342.0	98.47	1.14	0.33	0.01	0.05
4806	82042	2797.00	8321.35	1345.0	98.37	1.25	0.30	0.01	0.07
4807	82043	2797.00	8321.35	1342.0	96.58	2.40	0.75	0.07	0.20
4808	82044	2797.16	8317.70	1345.0	98.43	1.12	0.38	0.01	0.06
4809	82045	2797.16	8317.70	1342.0	97.24	2.14	0.41	0.05	0.16
4810	82046	2794.93	8317.54	1345.0	97.92	1.55	0.38	0.03	0.12
4811	82047	2794.93	8317.54	1342.0	97.97	1.30	0.66	0.01	0.06
4812	82048	2793.67	8313.88	1345.0	98.10	1.49	0.32	0.01	0.08
4813	82049	2793.67	8313.88	1342.0	98.20	1.30	0.30	0.05	0.15
4814	82050	2797.32	8314.04	1345.0	98.36	1.22	0.29	0.02	0.11
4815	82051	2797.32	8314.04	1342.0	98.33	1.20	0.31	0.03	0.13
4816	82052	2800.98	8314.20	1345.0	98.16	1.32	0.35	0.04	0.13
4817	82053	2800.98	8314.20	1342.0	98.07	1.32	0.40	0.05	0.16
4818	82054	2800.81	8317.86	1345.0	98.25	1.34	0.32	0.02	0.07
4819	82055	2800.81	8317.86	1342.0	98.07	1.46	0.33	0.03	0.11
4820	82056	2800.65	8321.51	1345.0	98.11	1.42	0.32	0.03	0.12
4821	82057	2800.65	8321.51	1342.0	95.12	3.93	0.45	0.13	0.37
4822	82058	2800.49	8325.17	1345.0	98.04	1.58	0.32	0.01	0.05
4823	82059	2800.49	8325.17	1342.0	97.42	1.89	0.33	0.09	0.27
4824	82060	2800.32	8328.83	1345.0	98.22	1.28	0.35	0.03	0.12
4825	82061	2800.32	8328.83	1342.0	98.28	1.24	0.34	0.02	0.12
4826	82062	2800.16	8332.48	1345.0	98.45	1.17	0.32	0.01	0.05
4827	82063	2800.16	8332.48	1342.0	98.33	1.20	0.35	0.01	0.11
4828	82064	2803.82	8332.65	1345.0	98.39	1.23	0.31	0.01	0.06
4829	82065	2803.82	8332.65	1342.0	97.79	1.74	0.33	0.02	0.12
4830	82066	2803.98	8328.99	1345.0	94.40	5.06	0.31	0.04	0.19
4831	82067	2803.98	8328.99	1342.0	97.83	1.70	0.33	0.02	0.12
4832	82068	2804.14	8325.33	1345.0	97.13	2.45	0.32	0.01	0.09
4833	82069	2804.14	8325.33	1342.0	97.68	1.64	0.57	0.02	0.09

## Bench 46 Elev. 1342

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
4834	82070	2804.31	8321.68	1345.0	96.83	2.61	0.35	0.04	0.17
4835	82071	2804.31	8321.68	1342.0	98.27	1.27	0.36	0.02	0.08
4836	82072	2804.47	8318.02	1345.0	96.57	2.95	0.32	0.03	0.13
4837	82073	2804.47	8318.02	1342.0	98.00	1.48	0.39	0.03	0.10
4838	82074	2804.64	8314.37	1345.0	91.43	7.19	0.46	0.24	0.68
4839	82075	2804.64	8314.37	1342.0	97.48	1.94	0.39	0.04	0.15
4840	82076	2808.29	8314.53	1345.0	97.25	2.37	0.28	0.01	0.09
4841	82077	2808.29	8314.53	1342.0	97.85	1.58	0.39	0.04	0.14
4842	82078	2808.13	8318.19	1345.0	98.24	1.27	0.33	0.02	0.14
4843	82079	2808.13	8318.19	1342.0	96.56	2.76	0.41	0.06	0.21
4844	82080	2807.96	8321.84	1345.0	96.36	2.59	0.66	0.09	0.30
4845	82081	2807.96	8321.84	1342.0	98.13	1.34	0.31	0.04	0.18
4846	82082	2807.80	8325.50	1345.0	98.19	1.32	0.32	0.02	0.15
4847	82083	2807.80	8325.50	1342.0	98.34	1.17	0.30	0.03	0.16
4848	82084	2807.64	8329.16	1345.0	98.25	1.26	0.33	0.02	0.14
4849	82085	2807.64	8329.16	1342.0	97.55	1.86	0.35	0.04	0.20
4850	82086	2807.47	8332.81	1345.0	98.37	1.24	0.31	0.01	0.07
4851	82087	2807.47	8332.81	1342.0	98.08	1.41	0.33	0.03	0.15
4852	82088	2811.29	8329.32	1345.0	98.21	1.32	0.30	0.03	0.14
4853	82089	2811.29	8329.32	1342.0	98.04	1.34	0.47	0.03	0.12
4854	82090	2811.46	8325.66	1345.0	97.75	1.65	0.32	0.05	0.23
4855	82091	2811.46	8325.66	1342.0	98.15	1.37	0.35	0.02	0.11
4856	82092	2811.62	8322.01	1345.0	97.88	1.61	0.36	0.03	0.12
4857	82093	2811.62	8322.01	1342.0	98.13	1.30	0.44	0.02	0.11
4858	82094	2811.78	8318.35	1345.0	97.52	1.98	0.34	0.03	0.13
4859	82095	2811.78	8318.35	1342.0	96.29	2.34	1.01	0.09	0.27
4860	82096	2811.95	8314.69	1345.0	97.19	2.30	0.29	0.05	0.17
4861	82097	2811.95	8314.69	1342.0	97.43	1.84	0.34	0.09	0.30
4862	82098	2815.60	8314.86	1345.0	98.55	1.09	0.28	0.01	0.07
4863	82099	2815.60	8314.86	1342.0	97.98	1.19	0.54	0.08	0.21
4864	82100	2815.44	8318.51	1345.0	97.67	1.82	0.28	0.05	0.18
4866	82101	2815.28	8322.17	1345.0	98.00	1.54	0.28	0.03	0.15
4867	82102	2815.28	8322.17	1342.0	98.01	1.36	0.40	0.04	0.19
4868	82103	2815.11	8325.83	1345.0	98.26	1.18	0.30	0.04	0.22
4869	82104	2815.11	8325.83	1342.0	97.82	1.60	0.34	0.05	0.19
4870	82105	2814.95	8329.48	1345.0	97.42	1.89	0.36	0.06	0.27
4871	82106	2814.95	8329.48	1342.0	96.64	2.88	0.35	0.03	0.10
4872	82107	2818.61	8329.64	1345.0	97.58	1.66	0.48	0.06	0.22
4873	82108	2818.61	8329.64	1342.0	95.92	3.22	0.60	0.05	0.21
4874	82109	2818.77	8325.99	1345.0	98.20	1.27	0.33	0.04	0.16
4875	82110	2818.77	8325.99	1342.0	98.25	1.23	0.39	0.02	0.11
4876	82111	2818.93	8322.33	1345.0	98.07	1.30	0.43	0.04	0.16
4877	82112	2818.93	8322.33	1342.0	97.71	1.47	0.51	0.06	0.25
4878	82113	2819.10	8318.68	1345.0	98.26	1.30	0.32	0.02	0.10
4879	82114	2819.10	8318.68	1342.0	94.15	4.33	0.68	0.19	0.65
4880	82115	2819.26	8315.02	1345.0	98.13	1.34	0.28	0.05	0.20
4881	82116	2819.26	8315.02	1342.0	93.05	6.29	0.33	0.05	0.28
5300	82260	2821.82	8315.21	1345.0	97.73	1.55	0.38	0.10	0.24
5301	82261	2821.82	8315.21	1342.0	98.32	1.11	0.40	0.04	0.13
5302	82262	2825.48	8315.28	1345.0	98.37	1.15	0.34	0.03	0.11
5303	82263	2825.48	8315.28	1342.0	98.28	1.24	0.36	0.03	0.09
5304	82264	2829.14	8315.35	1345.0	96.86	2.62	0.32	0.05	0.15
5305	82265	2829.14	8315.35	1342.0	96.90	2.58	0.33	0.05	0.14
5306	82266	2832.80	8315.41	1345.0	98.12	1.30	0.35	0.06	0.17
5307	82267	2832.80	8315.41	1342.0	97.92	1.47	0.30	0.08	0.23
5308	82268	2836.46	8315.48	1345.0	97.85	1.45	0.29	0.09	0.32
5309	82269	2836.46	8315.48	1342.0	96.93	2.16	0.40	0.14	0.37
5310	82270	2840.12	8315.54	1345.0	97.52	1.56	0.31	0.13	0.48
5311	82271	2840.12	8315.54	1342.0	97.37	1.64	0.39	0.14	0.46



Bench 46 Elev. 1342

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
5312	82272	2843.78	8315.61	1345.0	96.43	2.46	0.59	0.14	0.38
5314	82273	2840.05	8319.20	1345.0	97.60	1.46	0.31	0.14	0.49
5315	82274	2840.05	8319.20	1342.0	98.09	1.33	0.30	0.06	0.22
5316	82275	2836.40	8319.14	1345.0	97.77	1.43	0.34	0.10	0.36
5317	82276	2836.40	8319.14	1342.0	97.92	1.31	0.34	0.09	0.34
5318	82277	2832.74	8319.07	1345.0	95.99	2.42	0.90	0.21	0.48
5319	82278	2832.74	8319.07	1342.0	97.32	1.61	0.44	0.18	0.45
5320	82279	2829.08	8319.01	1345.0	96.83	1.96	0.87	0.09	0.25
5321	82280	2829.08	8319.01	1342.0	97.68	1.52	0.47	0.09	0.24
5322	82281	2825.42	8318.94	1345.0	95.39	2.53	1.63	0.12	0.33
5323	82282	2825.42	8318.94	1342.0	96.58	2.02	0.90	0.12	0.38
5324	82283	2821.76	8318.88	1345.0	93.58	4.59	1.16	0.19	0.48
5325	82284	2821.76	8318.88	1342.0	97.59	1.72	0.45	0.06	0.18
5326	82285	2821.69	8322.53	1345.0	96.94	1.72	1.22	0.02	0.10
5327	82286	2821.69	8322.53	1342.0	97.91	1.44	0.41	0.05	0.19
5328	82287	2825.35	8322.60	1345.0	97.95	1.40	0.33	0.07	0.25
5329	82288	2825.35	8322.60	1342.0	97.50	1.65	0.30	0.08	0.47
5330	82289	2829.01	8322.67	1345.0	98.24	1.31	0.31	0.02	0.12
5331	82290	2829.01	8322.67	1342.0	98.26	1.28	0.32	0.02	0.12
5332	82291	2832.67	8322.73	1345.0	97.81	1.51	0.31	0.09	0.28
5333	82292	2832.67	8322.73	1342.0	97.84	1.46	0.30	0.10	0.30
5334	82293	2836.33	8322.80	1345.0	97.49	1.66	0.32	0.16	0.37
5336	82294	2839.92	8326.52	1345.0	97.25	1.89	0.30	0.14	0.42
5337	82295	2839.92	8326.52	1342.0	97.83	1.52	0.30	0.06	0.29
5338	82296	2836.26	8326.46	1345.0	98.07	1.38	0.32	0.04	0.19
5340	82297	2832.60	8326.39	1345.0	98.07	1.39	0.31	0.05	0.18
5341	82298	2832.60	8326.39	1342.0	97.58	1.63	0.33	0.11	0.35
5342	82299	2828.95	8326.33	1345.0	98.21	1.25	0.35	0.03	0.16
5343	82300	2828.95	8326.33	1342.0	97.91	1.47	0.32	0.07	0.23
5344	82301	2825.29	8326.26	1345.0	97.69	1.44	0.52	0.06	0.29
5345	82302	2825.29	8326.26	1342.0	98.25	1.24	0.36	0.03	0.12
5346	82303	2821.63	8326.19	1345.0	97.79	1.47	0.44	0.06	0.24
5347	82304	2821.63	8326.19	1342.0	97.89	1.38	0.39	0.07	0.27
5348	82305	2821.56	8329.85	1345.0	97.11	2.06	0.37	0.12	0.34
5349	82306	2821.56	8329.85	1342.0	96.85	1.94	1.03	0.04	0.14
5350	82307	2825.22	8329.92	1345.0	96.55	2.50	0.73	0.05	0.17
5351	82308	2825.22	8329.92	1342.0	97.47	1.85	0.38	0.06	0.24
5354	82309	2832.54	8330.05	1345.0	97.92	1.49	0.31	0.08	0.20
5355	82310	2832.54	8330.05	1342.0	97.62	1.66	0.33	0.10	0.29
5356	82311	2836.20	8330.12	1345.0	97.59	1.66	0.32	0.11	0.32
5357	82312	2836.20	8330.12	1342.0	97.64	1.54	0.33	0.10	0.39
5358	82313	2839.86	8330.18	1345.0	98.41	1.13	0.32	0.02	0.12
5359	82314	2839.86	8330.18	1342.0	98.53	1.06	0.32	0.02	0.07
5400	82381	2827.63	8311.68	1345.0	98.30	1.24	0.30	0.04	0.12
5401	82382	2827.63	8311.68	1342.0	98.20	1.28	0.35	0.04	0.13
5402	82383	2823.97	8311.68	1345.0	98.05	1.35	0.43	0.03	0.14
5403	82384	2823.97	8311.68	1342.0	98.01	1.36	0.45	0.04	0.14
5404	82385	2820.31	8311.68	1345.0	97.66	1.58	0.40	0.10	0.26
5405	82386	2820.31	8311.68	1342.0	97.49	1.76	0.35	0.09	0.31
5406	82387	2816.65	8311.68	1345.0	97.91	1.41	0.47	0.06	0.15
5407	82388	2816.65	8311.68	1342.0	98.21	1.17	0.38	0.07	0.17
5408	82389	2812.99	8311.68	1345.0	97.45	1.77	0.59	0.04	0.15
5409	82390	2812.99	8311.68	1342.0	97.91	1.45	0.40	0.06	0.18
5410	82391	2809.33	8311.68	1345.0	97.39	1.83	0.36	0.10	0.32
5411	82392	2809.33	8311.68	1342.0	97.62	1.74	0.53	0.02	0.09
5412	82393	2805.67	8311.68	1345.0	97.91	1.54	0.39	0.03	0.13
5413	82394	2805.67	8311.68	1342.0	96.66	2.34	0.80	0.05	0.15
5414	82395	2805.67	8308.02	1345.0	96.20	2.78	0.87	0.02	0.13
5415	82396	2805.67	8308.02	1342.0	98.05	1.33	0.51	0.02	0.09

Bench 46 Elev. 1342

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
5416	82397	2809.33	8308.02	1345.0	98.25	1.30	0.30	0.03	0.12
5417	82398	2809.33	8308.02	1342.0	97.90	1.62	0.37	0.02	0.09
5418	82399	2812.99	8308.02	1345.0	97.36	2.10	0.39	0.03	0.12
5419	82400	2812.99	8308.02	1342.0	98.13	1.44	0.33	0.02	0.08
5420	82401	2816.65	8308.02	1345.0	96.69	2.46	0.46	0.11	0.28
5421	82402	2816.65	8308.02	1342.0	97.41	1.72	0.40	0.14	0.33
5422	82403	2820.31	8308.02	1345.0	97.44	1.81	0.30	0.14	0.31
5423	82404	2820.31	8308.02	1342.0	95.26	4.10	0.36	0.05	0.23
5424	82405	2823.97	8308.02	1345.0	97.72	1.65	0.40	0.06	0.17
5425	82406	2823.97	8308.02	1342.0	97.95	1.50	0.36	0.04	0.15
5426	82407	2827.63	8308.02	1345.0	98.16	1.35	0.32	0.04	0.13
5427	82408	2827.63	8308.02	1342.0	98.12	1.31	0.35	0.06	0.16
5428	82409	2827.63	8304.36	1345.0	98.50	1.05	0.32	0.03	0.10
5429	82410	2827.63	8304.36	1342.0	98.09	1.35	0.31	0.06	0.19
5430	82411	2823.97	8304.36	1345.0	97.51	1.57	0.31	0.19	0.42
5431	82412	2823.97	8304.36	1342.0	97.91	1.58	0.32	0.04	0.15
5432	82413	2820.31	8304.36	1345.0	97.41	1.65	0.53	0.10	0.31
5433	82414	2820.31	8304.36	1342.0	97.73	1.49	0.37	0.10	0.31
5434	82415	2816.65	8304.36	1345.0	97.73	1.44	0.36	0.13	0.34
5435	82416	2816.65	8304.36	1342.0	96.97	1.51	1.26	0.08	0.18
5436	82417	2812.99	8304.36	1345.0	96.85	2.48	0.29	0.09	0.29
5437	82418	2812.99	8304.36	1342.0	97.69	1.49	0.35	0.14	0.33
5438	82419	2809.33	8304.36	1345.0	98.10	1.33	0.47	0.01	0.09
5439	82420	2809.33	8304.36	1342.0	97.54	1.58	0.72	0.02	0.14
5440	82421	2805.67	8304.36	1345.0	97.30	1.52	1.09	0.01	0.08
5441	82422	2805.67	8304.36	1342.0	98.21	1.27	0.46	0.01	0.05
5442	82423	2805.67	8300.70	1345.0	98.25	1.27	0.39	0.01	0.08
5443	82424	2805.67	8300.70	1342.0	98.18	1.33	0.40	0.01	0.08
5444	82425	2809.33	8300.70	1345.0	97.43	1.83	0.58	0.02	0.14
5445	82426	2809.33	8300.70	1342.0	97.38	1.85	0.68	0.01	0.08
5446	82427	2812.99	8300.70	1345.0	98.00	1.25	0.58	0.05	0.12
5447	82428	2812.99	8300.70	1342.0	98.02	1.29	0.36	0.09	0.24
5448	82429	2816.65	8300.70	1345.0	97.83	1.52	0.29	0.11	0.25
5449	82430	2816.65	8300.70	1342.0	98.03	1.39	0.39	0.04	0.15
5450	82431	2820.31	8300.70	1345.0	98.06	1.34	0.30	0.06	0.24
5451	82432	2820.31	8300.70	1342.0	97.79	1.34	0.38	0.12	0.37
5452	82433	2823.97	8300.70	1345.0	98.26	1.26	0.33	0.03	0.12
5453	82434	2823.97	8300.70	1342.0	98.13	1.40	0.33	0.03	0.11
5454	82435	2827.63	8300.70	1345.0	97.40	2.04	0.30	0.07	0.19
5455	82436	2827.63	8300.70	1342.0	97.91	1.67	0.29	0.03	0.10
5456	82437	2827.63	8297.04	1345.0	98.23	1.23	0.35	0.05	0.14
5457	82438	2827.63	8297.04	1342.0	97.84	1.52	0.38	0.07	0.19
5458	82439	2823.97	8297.04	1345.0	98.23	1.29	0.39	0.02	0.07
5459	82440	2823.97	8297.04	1342.0	98.02	1.37	0.36	0.07	0.18
5460	82441	2820.31	8297.04	1345.0	98.12	1.36	0.37	0.03	0.12
5461	82442	2820.31	8297.04	1342.0	98.10	1.40	0.38	0.03	0.09
5462	82443	2816.65	8297.04	1345.0	96.67	2.66	0.40	0.07	0.20
5463	82444	2816.65	8297.04	1342.0	97.95	1.58	0.33	0.03	0.11
5464	82445	2812.99	8297.04	1345.0	97.79	1.42	0.45	0.12	0.22
5465	82446	2812.99	8297.04	1342.0	98.01	1.44	0.38	0.05	0.12
5466	82447	2809.33	8297.04	1345.0	93.76	3.82	1.86	0.10	0.46
5467	82448	2809.33	8297.04	1342.0	96.22	2.60	0.82	0.07	0.29
5468	82449	2805.67	8297.04	1345.0	97.86	1.47	0.46	0.04	0.17
5469	82450	2805.67	8297.04	1342.0	98.04	1.36	0.34	0.05	0.21
5470	82451	2831.29	8297.04	1345.0	97.50	1.57	0.32	0.17	0.44
5471	82452	2831.29	8297.04	1342.0	98.08	1.37	0.29	0.07	0.19
5472	82453	2831.29	8300.70	1345.0	98.24	1.22	0.31	0.04	0.19
5473	82454	2831.29	8300.70	1342.0	97.35	1.97	0.34	0.10	0.24
5474	82455	2831.29	8304.36	1345.0	97.79	1.35	0.32	0.18	0.36

Bench 46 Elev. 1342

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
5475	82456	2831.29	8304.36	1342.0	97.82	1.43	0.29	0.14	0.32
5476	82457	2831.29	8308.02	1345.0	98.05	1.41	0.27	0.08	0.19
5477	82458	2831.29	8308.02	1342.0	98.27	1.25	0.28	0.06	0.14
5478	82459	2831.29	8311.68	1345.0	98.08	1.38	0.30	0.08	0.16
5479	82460	2831.29	8311.68	1342.0	97.88	1.37	0.29	0.12	0.34
6008	82814	2858.83	8341.78	1345.0	97.64	1.66	0.38	0.08	0.24
6010	82815	2859.67	8345.51	1345.0	97.69	1.67	0.44	0.05	0.15
6011	82816	2859.67	8345.51	1342.0	97.75	1.51	0.51	0.05	0.18
6800	82461	2845.95	8308.63	1345.0	97.64	1.39	0.35	0.14	0.48
6801	82462	2845.95	8308.63	1342.0	97.51	1.82	0.35	0.07	0.25
6802	82463	2845.79	8312.29	1345.0	97.92	1.46	0.30	0.08	0.24
6803	82464	2845.79	8312.29	1342.0	97.38	1.75	0.34	0.12	0.41
6804	82465	2846.67	8315.40	1345.0	97.45	1.72	0.39	0.10	0.34
6805	82466	2846.67	8315.40	1342.0	97.51	1.65	0.38	0.11	0.35
6806	82467	2846.67	8319.51	1345.0	97.48	1.73	0.34	0.10	0.35
6807	82468	2846.67	8319.51	1342.0	97.57	1.63	0.37	0.10	0.33
6808	82469	2846.34	8323.30	1345.0	97.73	1.45	0.42	0.09	0.31
6809	82470	2846.34	8323.30	1342.0	97.24	1.89	0.33	0.14	0.40
6810	82471	2846.34	8326.91	1345.0	97.79	1.56	0.33	0.07	0.25
6811	82472	2846.34	8326.91	1342.0	97.21	1.52	0.32	0.22	0.73
6812	82473	2846.34	8330.61	1345.0	97.57	1.72	0.32	0.09	0.30
6813	82474	2846.34	8330.61	1342.0	97.77	1.53	0.33	0.09	0.28
6814	82475	2848.66	8330.73	1345.0	97.55	1.80	0.34	0.07	0.24
6815	82476	2848.66	8330.73	1342.0	96.37	2.12	1.13	0.10	0.28
6816	82477	2848.82	8327.07	1345.0	97.68	1.64	0.33	0.07	0.28
6817	82478	2848.82	8327.07	1342.0	97.86	1.49	0.32	0.07	0.26
6818	82479	2848.98	8323.41	1345.0	96.36	2.44	0.92	0.07	0.21
6819	82480	2848.98	8323.41	1342.0	97.90	1.56	0.37	0.04	0.13
6820	82481	2849.14	8319.76	1345.0	97.13	2.09	0.40	0.09	0.29
6821	82482	2849.14	8319.76	1342.0	97.78	1.80	0.32	0.02	0.08
6822	82483	2849.29	8316.10	1345.0	97.45	1.85	0.31	0.09	0.30
6823	82484	2849.29	8316.10	1342.0	98.08	1.53	0.32	0.01	0.06
6824	82485	2849.45	8312.44	1345.0	97.10	2.15	0.34	0.10	0.31
6825	82486	2849.45	8312.44	1342.0	94.71	4.38	0.48	0.12	0.31
6826	82487	2849.61	8308.79	1345.0	97.74	1.69	0.33	0.05	0.19
6827	82488	2849.61	8308.79	1342.0	97.84	1.70	0.33	0.03	0.10
6828	82489	2853.26	8308.94	1345.0	97.98	1.41	0.39	0.04	0.18
6829	82490	2853.26	8308.94	1342.0	97.81	1.53	0.37	0.07	0.22
6830	82491	2853.11	8312.60	1342.0	97.45	1.76	0.60	0.05	0.14
6831	82492	2853.11	8312.60	1342.0	93.33	5.15	0.76	0.21	0.55
6832	82493	2852.95	8316.26	1345.0	98.21	1.37	0.32	0.02	0.08
6833	82494	2852.95	8316.26	1342.0	97.45	2.02	0.37	0.09	0.07
6834	82495	2852.79	8319.91	1345.0	97.72	1.73	0.33	0.06	0.16
6835	82496	2852.79	8319.91	1342.0	97.70	1.86	0.33	0.03	0.08
6836	82497	2852.64	8323.57	1345.0	97.83	1.44	0.31	0.09	0.33
6837	82498	2852.64	8323.57	1342.0	98.11	1.50	0.32	0.01	0.06
6838	82499	2852.48	8327.23	1345.0	98.00	1.40	0.42	0.04	0.14
6839	82500	2852.48	8327.23	1342.0	98.33	1.30	0.32	0.01	0.04
6840	82501	2852.32	8330.88	1345.0	97.26	1.65	0.35	0.18	0.56
6841	82502	2852.32	8330.88	1342.0	98.12	1.25	0.38	0.05	0.20
6842	82503	2855.98	8331.04	1345.0	97.22	2.02	0.48	0.06	0.22
6843	82504	2855.98	8331.04	1342.0	96.22	1.38	1.71	0.14	0.55
6844	82505	2856.14	8327.38	1345.0	98.00	1.58	0.36	0.01	0.05
6845	82506	2856.14	8327.38	1342.0	97.51	2.11	0.34	0.01	0.03
6846	82507	2856.29	8323.73	1345.0	98.01	1.61	0.34	0.01	0.03
6847	82508	2856.29	8323.73	1342.0	98.01	1.59	0.32	0.01	0.07
6848	82509	2856.45	8320.07	1345.0	98.15	1.40	0.37	0.02	0.06
6849	82510	2856.45	8320.07	1342.0	97.67	1.84	0.38	0.02	0.09
6850	82511	2856.61	8316.41	1345.0	97.23	1.64	0.77	0.09	0.27

Bench 46 Elev. 1342

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
6851	82512	2856.61	8316.41	1342.0	97.14	1.71	0.77	0.10	0.28
6852	82513	2856.76	8312.76	1345.0	94.60	2.70	1.79	0.25	0.66
6853	82514	2856.76	8312.76	1342.0	90.00	5.23	2.42	0.68	1.67
6854	82515	2856.92	8309.10	1345.0	97.62	1.57	0.59	0.04	0.18
6855	82516	2856.92	8309.10	1342.0	97.81	1.42	0.62	0.04	0.11
6856	82517	2842.29	8308.47	1345.0	98.12	1.38	0.29	0.05	0.16
6857	82518	2842.29	8308.47	1342.0	97.81	1.52	0.28	0.10	0.29
6858	82519	2842.14	8312.13	1345.0	98.08	1.41	0.33	0.05	0.13
6859	82520	2842.14	8312.13	1342.0	98.18	1.26	0.36	0.06	0.14
6860	82521	2838.48	8311.97	1345.0	97.71	1.39	0.46	0.10	0.34
6861	82522	2838.48	8311.97	1342.0	97.65	1.70	0.34	0.06	0.25
6862	82523	2838.64	8308.32	1345.0	97.32	1.67	0.72	0.08	0.21
6863	82524	2838.64	8308.32	1342.0	97.84	1.63	0.32	0.05	0.16
6864	82525	2834.98	8308.16	1345.0	97.35	1.94	0.33	0.10	0.28
6865	82526	2834.98	8308.16	1342.0	97.60	1.72	0.30	0.11	0.27
6866	82527	2834.82	8311.81	1345.0	97.83	1.51	0.29	0.08	0.29
6867	82528	2834.82	8311.81	1342.0	97.22	2.06	0.30	0.11	0.31
7000	82817	2823.48	8333.24	1345.0	97.34	1.91	0.47	0.05	0.23
7001	82818	2823.48	8333.24	1342.0	97.59	1.68	0.35	0.08	0.30
7002	82819	2823.35	8336.90	1345.0	97.49	1.76	0.39	0.07	0.29
7003	82820	2823.35	8336.90	1342.0	97.27	1.58	0.81	0.09	0.25
7004	82821	2823.22	8340.56	1345.0	97.69	1.57	0.38	0.09	0.27
7005	82822	2823.22	8340.56	1342.0	97.28	1.67	0.40	0.18	0.47
7006	82823	2823.09	8344.21	1345.0	97.65	1.53	0.36	0.12	0.34
7007	82824	2823.09	8344.21	1342.0	97.85	1.46	0.37	0.07	0.25
7008	82825	2826.75	8344.34	1345.0	98.10	1.35	0.33	0.05	0.17
7009	82826	2826.75	8344.34	1345.0	97.83	1.48	0.33	0.09	0.27
7010	82827	2826.88	8340.69	1345.0	97.69	1.58	0.36	0.09	0.28
7011	82828	2826.88	8340.69	1345.0	97.81	1.51	0.37	0.07	0.24
7012	82829	2827.01	8337.03	1345.0	97.87	1.49	0.36	0.07	0.21
7013	82830	2827.01	8337.03	1345.0	97.94	1.30	0.43	0.09	0.24
7014	82831	2827.14	8333.37	1345.0	97.67	1.42	0.53	0.10	0.28
7015	82832	2827.14	8333.37	1342.0	97.54	1.59	0.48	0.10	0.29
7016	82833	2830.80	8333.50	1345.0	97.91	1.34	0.34	0.11	0.30
7017	82834	2830.80	8333.50	1342.0	97.74	1.51	0.34	0.10	0.31
7018	82835	2830.67	8337.16	1345.0	97.23	1.58	0.50	0.19	0.50
7019	82836	2830.67	8337.16	1342.0	97.89	1.14	0.71	0.07	0.19
7020	82837	2830.54	8340.82	1345.0	97.72	1.47	0.37	0.12	0.32
7021	82838	2830.54	8340.82	1342.0	98.22	1.23	0.30	0.06	0.19
7022	82839	2830.41	8344.47	1345.0	98.08	1.37	0.38	0.04	0.13
7023	82840	2830.41	8344.47	1342.0	98.20	1.23	0.39	0.04	0.14
7024	82841	2834.07	8344.60	1345.0	97.81	1.54	0.39	0.08	0.18
7025	82842	2834.07	8344.60	1342.0	97.14	1.51	1.14	0.07	0.14
7026	82843	2834.20	8340.95	1345.0	97.83	1.54	0.37	0.07	0.19
7027	82844	2834.20	8340.95	1342.0	97.87	1.58	0.37	0.04	0.14
7028	82845	2834.33	8337.29	1345.0	97.80	1.53	0.34	0.08	0.25
7029	82846	2834.33	8337.29	1342.0	97.87	1.54	0.34	0.05	0.20
7030	82847	2834.46	8333.63	1345.0	97.97	1.56	0.32	0.03	0.12
7031	82848	2834.46	8333.63	1342.0	97.71	1.56	0.36	0.09	0.28
7032	82849	2838.11	8333.76	1345.0	97.46	1.76	0.45	0.09	0.24
7033	82850	2838.11	8333.76	1342.0	97.34	1.77	0.41	0.13	0.35
7034	82851	2837.98	8337.42	1345.0	97.62	1.69	0.34	0.09	0.26
7035	82852	2837.98	8337.42	1342.0	96.76	2.57	0.33	0.08	0.26
7036	82853	2837.85	8341.08	1345.0	97.28	2.11	0.32	0.07	0.22
7037	82854	2837.85	8341.08	1342.0	97.86	1.54	0.31	0.07	0.22
7038	82855	2837.73	8344.73	1345.0	97.75	1.54	0.42	0.08	0.21
7039	82856	2837.73	8344.73	1342.0	97.93	1.43	0.43	0.05	0.16
7040	82857	2841.38	8344.86	1345.0	97.62	1.68	0.35	0.08	0.27
7041	82858	2841.38	8344.86	1342.0	97.64	1.65	0.35	0.08	0.28

Bench 46 Elev. 1342

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
7042	82859	2841.51	8341.21	1345.0	97.48	1.87	0.32	0.08	0.25
7043	82860	2841.51	8341.21	1342.0	97.53	1.70	0.34	0.09	0.34
7044	82861	2841.64	8337.55	1345.0	97.55	1.75	0.33	0.09	0.28
7045	82862	2841.64	8337.55	1342.0	97.52	1.69	0.38	0.10	0.31
7046	82863	2841.77	8333.89	1345.0	97.38	1.79	0.35	0.13	0.35
7047	82864	2841.77	8333.89	1342.0	97.69	1.65	0.35	0.09	0.22
7048	82865	2845.43	8334.02	1345.0	96.21	2.01	1.40	0.11	0.27
7049	82866	2845.43	8334.02	1342.0	95.69	1.54	2.46	0.08	0.23
7050	82867	2845.30	8337.68	1345.0	97.44	1.58	0.46	0.13	0.39
7051	82868	2845.30	8337.68	1342.0	97.49	1.75	0.40	0.07	0.29
7052	82869	2845.17	8341.33	1345.0	97.32	1.91	0.32	0.10	0.35
7053	82870	2845.17	8341.33	1342.0	97.36	1.74	0.34	0.13	0.43
7054	82871	2845.04	8344.99	1345.0	97.68	1.64	0.33	0.08	0.27
7055	82872	2845.04	8344.99	1342.0	95.58	1.87	2.09	0.10	0.36
7056	82873	2848.70	8345.12	1345.0	97.48	1.67	0.37	0.11	0.37
7057	82874	2848.70	8345.12	1342.0	98.03	1.40	0.34	0.04	0.19
7058	82875	2848.83	8341.46	1345.0	97.05	1.67	0.56	0.18	0.54
7059	82876	2848.83	8341.46	1342.0	96.96	2.16	0.54	0.08	0.26
7060	82877	2848.96	8337.81	1345.0	97.51	1.77	0.36	0.08	0.28
7061	82878	2848.96	8337.81	1342.0	95.47	1.77	2.46	0.07	0.23
7062	82879	2849.09	8334.15	1345.0	97.50	1.82	0.43	0.05	0.20
7063	82880	2849.09	8334.15	1342.0	97.71	1.62	0.35	0.08	0.24
7064	82881	2852.75	8334.28	1345.0	97.32	1.84	0.37	0.10	0.37
7065	82882	2852.75	8334.28	1342.0	97.66	1.53	0.36	0.09	0.36
7066	82883	2852.61	8337.94	1345.0	97.57	1.70	0.37	0.08	0.28
7067	82884	2852.61	8337.94	1342.0	97.27	1.71	0.38	0.16	0.48
7068	82885	2852.49	8341.59	1345.0	97.17	1.62	0.95	0.06	0.20
7069	82886	2852.49	8341.59	1342.0	95.35	1.97	2.34	0.06	0.28
7070	82887	2852.36	8345.25	1345.0	97.71	1.50	0.40	0.07	0.32
7071	82888	2852.36	8345.25	1342.0	97.45	1.81	0.48	0.06	0.20
7072	82889	2856.01	8345.38	1345.0	97.63	1.67	0.40	0.06	0.24
7073	82890	2856.01	8345.38	1342.0	97.44	1.69	0.39	0.10	0.38
7074	82891	2856.14	8341.72	1345.0	97.63	1.67	0.35	0.07	0.28
7075	82892	2856.14	8341.72	1342.0	97.45	1.73	0.35	0.10	0.37
7076	82893	2856.27	8338.07	1345.0	97.23	2.00	0.38	0.09	0.30
7077	82894	2856.27	8338.07	1342.0	95.84	3.55	0.36	0.05	0.20
7078	82895	2856.40	8334.41	1345.0	96.82	1.95	0.83	0.09	0.31
7079	82896	2856.40	8334.41	1342.0	98.17	1.33	0.38	0.02	0.10
7080	82897	2856.44	8332.99	1345.0	97.62	1.79	0.38	0.04	0.17
7081	82898	2856.44	8332.99	1342.0	97.17	1.85	0.56	0.10	0.32
7082	82899	2857.78	8330.98	1345.0	97.10	1.63	1.04	0.06	0.17
7083	82900	2857.78	8330.98	1342.0	97.93	1.16	0.70	0.03	0.18
7084	82901	2858.45	8334.51	1345.0	98.02	1.41	0.40	0.03	0.14
7085	82902	2858.45	8334.51	1342.0	97.35	1.70	0.40	0.18	0.37
7086	82903	2858.83	8338.05	1345.0	97.87	1.44	0.35	0.08	0.26
7087	82904	2858.83	8338.05	1342.0	97.91	1.40	0.44	0.06	0.19
7500	85686	2795.06	8375.25	1345.0	97.19	2.05	0.41	0.07	0.28
7501	85687	2795.06	8375.25	1342.0	97.59	1.55	0.50	0.07	0.29
7502	85688	2798.71	8375.09	1345.0	97.64	1.45	0.68	0.03	0.20
7503	85689	2798.71	8375.09	1342.0	96.39	2.80	0.47	0.03	0.31
7504	85690	2802.37	8374.93	1345.0	97.72	1.57	0.53	0.03	0.15
7505	85691	2802.37	8374.93	1342.0	97.19	1.73	0.94	0.01	0.13
7506	85692	2806.03	8374.77	1345.0	97.07	2.17	0.39	0.07	0.30
7507	85693	2806.03	8374.77	1342.0	97.13	2.21	0.43	0.04	0.19
7508	85694	2809.68	8374.61	1345.0	97.61	1.65	0.44	0.04	0.26
7509	85695	2809.68	8374.61	1342.0	97.99	1.40	0.48	0.01	0.12
7510	85696	2813.34	8374.45	1345.0	97.84	1.60	0.37	0.04	0.15
7511	85697	2813.34	8374.45	1342.0	97.92	1.55	0.32	0.03	0.18
7512	85698	2813.50	8378.11	1345.0	97.22	2.37	0.29	0.01	0.11



Bench 46 Elev. 1342

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
7513	85699	2813.50	8378.11	1342.0	97.12	2.45	0.32	0.01	0.10
7514	85700	2809.84	8378.27	1345.0	97.30	2.04	0.31	0.04	0.31
7515	85701	2809.84	8378.27	1342.0	97.78	1.56	0.48	0.01	0.17
7516	85702	2806.19	8378.43	1345.0	97.87	1.44	0.41	0.04	0.24
7517	85703	2806.19	8378.43	1342.0	98.03	1.27	0.38	0.05	0.27
7518	85704	2802.53	8378.58	1345.0	97.89	1.40	0.44	0.05	0.22
7519	85705	2802.53	8378.58	1342.0	97.47	1.48	0.89	0.02	0.14
7520	85706	2798.87	8378.75	1345.0	97.29	1.53	0.89	0.06	0.23
7521	85707	2798.87	8378.75	1342.0	97.97	1.31	0.48	0.04	0.20
7522	85708	2795.22	8378.91	1345.0	97.99	1.39	0.37	0.05	0.20
7523	85709	2795.22	8378.91	1342.0	97.76	1.42	0.61	0.03	0.18
7524	85710	2795.38	8382.56	1345.0	97.63	1.42	0.57	0.07	0.31
7525	85711	2795.38	8382.56	1342.0	97.75	1.39	0.58	0.04	0.24
7526	85712	2799.03	8382.40	1345.0	97.64	1.49	0.61	0.03	0.23
7527	85713	2799.03	8382.40	1342.0	97.88	1.52	0.36	0.03	0.21
7528	85714	2802.69	8382.24	1345.0	97.85	1.54	0.33	0.03	0.25
7529	85715	2802.69	8382.24	1342.0	98.09	1.32	0.34	0.03	0.22
7530	85716	2806.35	8382.08	1345.0	98.14	1.33	0.31	0.02	0.20
7531	85717	2806.35	8382.08	1342.0	97.68	1.79	0.29	0.03	0.21
7532	85718	2810.00	8381.92	1345.0	96.99	1.97	0.60	0.08	0.36
7533	85719	2810.00	8381.92	1342.0	97.65	1.82	0.34	0.02	0.17
7534	85720	2813.66	8381.76	1345.0	97.56	1.93	0.35	0.02	0.14
7535	85721	2813.66	8381.76	1342.0	98.09	1.33	0.43	0.01	0.14
7536	85722	2813.82	8385.42	1345.0	97.57	1.92	0.34	0.01	0.16
7537	85723	2813.82	8385.42	1342.0	97.27	2.04	0.32	0.06	0.31
7538	85724	2810.16	8385.58	1345.0	97.29	1.99	0.38	0.04	0.30
7539	85725	2810.16	8385.58	1342.0	97.46	2.04	0.32	0.01	0.17
7540	85726	2806.51	8385.74	1345.0	97.54	1.72	0.40	0.05	0.29
7541	85727	2806.51	8385.74	1342.0	97.90	1.55	0.35	0.01	0.19
7542	85728	2802.85	8385.90	1345.0	97.35	1.94	0.35	0.07	0.29
7543	85729	2802.85	8385.90	1342.0	97.59	1.73	0.35	0.05	0.28
7544	85730	2799.19	8386.06	1345.0	97.65	1.68	0.39	0.04	0.24
7545	85731	2799.19	8386.06	1342.0	96.45	2.05	0.73	0.16	0.61
7546	85732	2795.54	8386.22	1345.0	96.65	2.31	0.49	0.09	0.46
7547	85733	2795.54	8386.22	1342.0	97.57	1.67	0.44	0.06	0.26
7548	85734	2795.70	8389.87	1345.0	97.69	1.61	0.36	0.03	0.31
7549	85735	2795.70	8389.87	1342.0	97.75	1.57	0.35	0.06	0.27
7550	85736	2799.35	8389.71	1345.0	97.75	1.51	0.37	0.04	0.33
7551	85737	2799.35	8389.71	1342.0	97.59	1.60	0.51	0.03	0.27
7552	85738	2803.01	8389.55	1345.0	94.38	4.80	0.36	0.10	0.36
7553	85739	2803.01	8389.55	1342.0	95.78	3.66	0.37	0.01	0.18
7554	85740	2806.67	8389.39	1345.0	97.61	1.66	0.37	0.03	0.33
7555	85741	2806.67	8389.39	1342.0	97.67	1.58	0.45	0.03	0.27
7556	85742	2810.32	8389.24	1345.0	97.16	2.20	0.34	0.02	0.28
7557	85743	2810.32	8389.24	1342.0	95.59	3.69	0.38	0.02	0.32
7558	85744	2813.98	8389.08	1345.0	97.78	1.68	0.34	0.01	0.19
7559	85745	2813.98	8389.08	1342.0	96.93	2.42	0.32	0.05	0.28
7560	85746	2815.95	8389.00	1345.0	97.11	2.19	0.34	0.04	0.32
7561	85747	2815.95	8389.00	1342.0	97.08	2.34	0.33	0.01	0.24
7562	85748	2817.33	8392.79	1345.0	97.39	1.86	0.38	0.05	0.32
7563	85749	2817.33	8392.79	1342.0	97.73	1.72	0.38	0.01	0.16
7564	85750	2814.14	8392.73	1345.0	97.60	1.53	0.35	0.07	0.45
7565	85751	2814.14	8392.73	1342.0	97.95	1.45	0.40	0.01	0.19
7566	85752	2810.48	8392.89	1345.0	95.65	3.19	0.48	0.10	0.58
7567	85753	2810.48	8392.89	1342.0	94.77	4.26	0.48	0.07	0.42
7568	85754	2806.82	8393.05	1345.0	97.89	1.33	0.31	0.09	0.38
7569	85755	2806.82	8393.05	1342.0	97.95	1.27	0.37	0.05	0.36
7570	85756	2803.17	8393.21	1345.0	97.97	1.36	0.33	0.05	0.29
7571	85757	2803.17	8393.21	1342.0	98.05	1.37	0.34	0.03	0.21

Bench.46 Elev. 1342

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
7572	85758	2799.51	8393.37	1345.0	97.41	1.72	0.48	0.07	0.32
7573	85759	2799.51	8393.37	1342.0	97.57	1.64	0.46	0.06	0.27
7574	85760	2795.86	8393.53	1345.0	97.57	1.80	0.32	0.05	0.26
7575	85761	2795.86	8393.53	1342.0	97.59	1.76	0.32	0.07	0.26
7600	83039	2790.37	8335.94	1345.0	96.22	1.89	1.61	0.10	0.18
7601	83040	2790.37	8335.94	1342.0	97.18	1.70	0.55	0.22	0.35
7602	83041	2790.28	8339.60	1345.0	97.46	2.12	0.37	0.01	0.04
7603	83042	2790.28	8339.60	1342.0	98.19	1.39	0.37	0.01	0.04
7604	83043	2790.19	8343.26	1345.0	95.76	1.18	2.93	0.03	0.10
7605	83044	2790.19	8343.26	1342.0	97.29	1.43	1.17	0.03	0.08
7606	83045	2790.12	8346.88	1345.0	97.92	1.44	0.56	0.02	0.06
7607	83046	2790.12	8346.88	1342.0	97.75	1.49	0.60	0.05	0.11
7608	83047	2793.75	8347.01	1345.0	97.86	1.56	0.44	0.04	0.10
7609	83048	2793.75	8347.01	1342.0	98.01	1.47	0.46	0.01	0.05
7610	83049	2793.84	8343.35	1345.0	95.50	3.90	0.53	0.02	0.05
7611	83050	2793.84	8343.35	1342.0	97.52	1.70	0.71	0.02	0.05
7612	83051	2793.94	8339.69	1345.0	97.83	1.51	0.61	0.01	0.04
7613	83052	2793.94	8339.69	1342.0	97.86	1.69	0.40	0.01	0.04
7614	83053	2794.03	8336.03	1345.0	97.29	1.67	0.53	0.18	0.33
7615	83054	2794.03	8336.03	1342.0	96.78	1.53	1.58	0.04	0.07
7616	83055	2797.69	8336.12	1345.0	98.13	1.36	0.45	0.02	0.04
7617	83056	2797.69	8336.12	1342.0	97.42	1.56	0.77	0.09	0.16
7618	83057	2797.59	8339.78	1345.0	96.45	1.62	1.88	0.01	0.04
7619	83058	2797.59	8339.78	1342.0	98.33	1.25	0.39	0.01	0.02
7620	83059	2797.50	8343.44	1345.0	98.14	1.39	0.40	0.02	0.05
7621	83060	2797.50	8343.44	1342.0	95.92	1.52	2.48	0.02	0.06
7622	83061	2797.41	8347.10	1345.0	97.95	1.58	0.40	0.02	0.05
7623	83062	2797.41	8347.10	1342.0	98.42	1.16	0.38	0.01	0.03
7624	83063	2801.07	8347.19	1345.0	97.69	1.76	0.50	0.02	0.03
7625	83064	2801.07	8347.19	1342.0	98.07	1.44	0.42	0.02	0.05
7626	83065	2801.16	8343.53	1345.0	98.36	1.16	0.43	0.01	0.04
7627	83066	2801.16	8343.53	1342.0	94.88	3.54	1.52	0.01	0.05
7628	83067	2801.25	8339.87	1345.0	97.32	1.77	0.78	0.05	0.08
7629	83068	2801.25	8339.87	1342.0	96.65	2.53	0.61	0.06	0.15
7630	83069	2801.34	8336.21	1345.0	90.98	8.49	0.33	0.04	0.16
7631	83070	2801.34	8336.21	1342.0	96.79	2.58	0.54	0.04	0.05
7632	83071	2805.00	8336.30	1345.0	97.08	2.12	0.65	0.04	0.11
7633	83072	2805.00	8336.30	1342.0	97.80	1.33	0.41	0.16	0.30
7634	83073	2804.91	8339.96	1345.0	97.23	1.86	0.76	0.04	0.11
7635	83074	2804.91	8339.96	1342.0	97.98	1.48	0.42	0.03	0.09
7636	83075	2804.82	8343.62	1345.0	97.62	1.63	0.66	0.02	0.07
7637	83076	2804.82	8343.62	1342.0	97.26	1.54	1.06	0.03	0.11
7638	83077	2804.73	8347.28	1345.0	97.62	1.88	0.44	0.02	0.04
7639	83078	2804.73	8347.28	1342.0	97.00	1.98	0.83	0.06	0.13
7640	83079	2808.39	8347.37	1345.0	95.76	3.41	0.65	0.07	0.11
7641	83080	2808.39	8347.37	1342.0	92.98	5.44	0.91	0.22	0.45
7642	83081	2808.48	8343.71	1345.0	97.88	1.63	0.42	0.02	0.05
7643	83082	2808.48	8343.71	1342.0	94.72	4.38	0.45	0.10	0.35
7644	83083	2808.57	8340.05	1345.0	97.85	1.49	0.53	0.03	0.10
7645	83084	2808.57	8340.05	1342.0	97.62	1.74	0.50	0.02	0.12
7646	83085	2808.66	8336.40	1345.0	97.69	1.80	0.34	0.05	0.12
7647	83086	2808.66	8336.40	1342.0	97.58	1.77	0.37	0.08	0.20
7648	83087	2809.55	8334.15	1345.0	98.05	1.50	0.34	0.03	0.08
7649	83088	2809.55	8334.15	1342.0	97.38	1.85	0.60	0.03	0.14
7650	83089	2812.35	8334.32	1345.0	97.48	1.78	0.46	0.05	0.23
7651	83090	2812.35	8334.32	1342.0	97.85	1.50	0.47	0.03	0.15
7652	83091	2812.32	8336.49	1345.0	98.02	1.53	0.33	0.01	0.11
7653	83092	2812.32	8336.49	1342.0	97.87	1.60	0.40	0.02	0.11
7654	83093	2812.23	8340.15	1345.0	97.53	1.73	0.58	0.03	0.13

Bench 46 Elev. 1342

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
7655	83094	2812.23	8340.15	1342.0	98.09	1.37	0.45	0.01	0.08
7656	83095	2812.14	8343.80	1345.0	97.33	2.19	0.40	0.02	0.06
7657	83096	2812.14	8343.80	1342.0	97.98	1.48	0.38	0.03	0.13
7658	83097	2812.05	8347.46	1345.0	92.96	6.24	0.37	0.11	0.32
7659	83098	2812.05	8347.46	1342.0	97.14	1.89	0.71	0.06	0.20
7660	83099	2815.71	8347.55	1345.0	96.75	2.59	0.45	0.04	0.17
7661	83100	2815.71	8347.55	1342.0	96.90	2.50	0.36	0.03	0.21
7662	83101	2815.80	8343.90	1345.0	95.73	3.39	0.62	0.03	0.23
7663	83102	2815.80	8343.90	1342.0	97.36	1.74	0.56	0.08	0.26
7664	83103	2815.89	8340.24	1345.0	97.59	1.83	0.48	0.01	0.09
7665	83104	2815.89	8340.24	1342.0	93.18	6.24	0.44	0.01	0.13
7666	83105	2815.98	8336.58	1345.0	97.85	1.54	0.45	0.04	0.12
7667	83106	2815.98	8336.58	1342.0	95.23	3.97	0.52	0.04	0.24
7668	83107	2816.08	8334.40	1345.0	97.70	1.51	0.66	0.02	0.11
7669	83108	2816.08	8334.40	1342.0	95.79	3.25	0.53	0.08	0.35
7670	83109	2819.73	8334.40	1345.0	97.98	1.43	0.45	0.03	0.11
7671	83110	2819.73	8334.40	1342.0	97.73	1.53	0.56	0.04	0.14
7672	83111	2819.64	8336.67	1345.0	97.88	1.53	0.42	0.04	0.13
7673	83112	2819.64	8336.67	1342.0	97.90	1.48	0.51	0.02	0.09
7674	83113	2819.55	8340.33	1345.0	97.37	1.83	0.49	0.10	0.21
7675	83114	2819.55	8340.33	1342.0	97.90	1.45	0.35	0.09	0.21
7676	83115	2819.46	8343.99	1345.0	97.78	1.64	0.45	0.04	0.09
7677	83116	2819.46	8343.99	1342.0	97.87	1.63	0.35	0.04	0.11
7678	83117	2819.37	8347.65	1345.0	97.79	1.62	0.42	0.05	0.12
7679	83118	2819.37	8347.65	1342.0	97.96	1.50	0.39	0.04	0.11
8100	83288	2859.22	8305.94	1345.0	97.38	1.97	0.44	0.06	0.15
8101	83289	2859.22	8305.94	1342.0	98.32	1.21	0.41	0.01	0.05
8102	83290	2859.41	8302.29	1345.0	98.34	1.18	0.38	0.01	0.09
8103	83291	2859.41	8302.29	1342.0	98.11	1.29	0.52	0.01	0.07
8104	83292	2859.61	8298.63	1345.0	98.56	1.02	0.36	0.01	0.05
8105	83293	2859.61	8298.63	1342.0	97.94	1.53	0.42	0.02	0.09
8106	83294	2859.80	8294.97	1345.0	93.10	6.38	0.43	0.01	0.08
8107	83295	2859.80	8294.97	1342.0	96.02	2.09	1.80	0.01	0.08
8108	83296	2859.99	8291.32	1345.0	97.42	2.13	0.40	0.01	0.04
8109	83297	2859.99	8291.32	1342.0	97.91	1.27	0.75	0.01	0.06
8110	83298	2856.33	8291.13	1345.0	98.40	1.12	0.41	0.01	0.06
8111	83299	2856.33	8291.13	1342.0	98.63	0.97	0.34	0.01	0.05
8112	83300	2856.14	8294.78	1345.0	97.67	1.79	0.35	0.05	0.14
8113	83301	2856.14	8294.78	1342.0	96.74	1.61	1.60	0.01	0.04
8114	83302	2855.95	8298.44	1345.0	97.35	1.72	0.83	0.03	0.07
8115	83303	2855.95	8298.44	1342.0	98.05	1.47	0.40	0.02	0.06
8116	83304	2855.76	8302.09	1345.0	98.23	1.16	0.52	0.02	0.07
8117	83305	2855.76	8302.09	1342.0	98.24	1.32	0.38	0.01	0.05
8118	83306	2855.57	8305.75	1345.0	98.07	1.53	0.33	0.01	0.06
8119	83307	2855.57	8305.75	1342.0	97.61	1.73	0.52	0.04	0.10
8120	83308	2851.91	8305.55	1345.0	97.06	1.79	0.66	0.18	0.31
8121	83309	2851.91	8305.55	1342.0	97.52	1.35	0.96	0.04	0.13
8122	83310	2852.10	8301.90	1345.0	96.85	2.66	0.37	0.08	0.04
8123	83311	2852.10	8301.90	1342.0	97.90	1.41	0.52	0.04	0.13
8124	83312	2852.30	8298.25	1345.0	98.35	1.20	0.39	0.01	0.05
8125	83313	2852.30	8298.25	1342.0	97.71	1.70	0.42	0.03	0.14
8126	83314	2852.49	8294.59	1345.0	98.11	1.34	0.36	0.06	0.13
8127	83315	2852.49	8294.59	1342.0	97.49	1.34	0.72	0.10	0.35
8128	83316	2852.68	8290.94	1345.0	98.13	1.34	0.37	0.04	0.12
8129	83317	2852.68	8290.94	1342.0	96.65	2.85	0.40	0.01	0.09
8130	83318	2849.02	8290.74	1345.0	97.69	1.53	0.71	0.01	0.06
8131	83319	2849.02	8290.74	1342.0	97.52	1.56	0.69	0.06	0.17
8132	83320	2848.83	8294.40	1345.0	97.06	1.38	1.15	0.12	0.29
8133	83321	2848.83	8294.40	1342.0	98.51	1.02	0.38	0.02	0.07

Bench 46 Elev. 1342

BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SiO2
8134	83322	2848.64	8298.05	1345.0	96.68	1.34	1.69	0.07	0.22
8135	83323	2848.64	8298.05	1342.0	97.14	1.34	1.28	0.07	0.17
8136	83324	2848.45	8301.71	1345.0	97.43	1.64	0.51	0.13	0.29
8137	83325	2848.45	8301.71	1342.0	98.24	1.30	0.32	0.04	0.10
8138	83326	2848.26	8305.36	1345.0	97.98	1.45	0.35	0.05	0.17
8139	83327	2848.26	8305.36	1342.0	97.50	1.30	0.99	0.06	0.15
8140	83328	2844.60	8305.17	1345.0	97.47	1.64	0.52	0.09	0.28
8141	83329	2844.60	8305.17	1342.0	98.05	1.49	0.34	0.03	0.09
8142	83330	2844.79	8301.52	1345.0	97.95	1.42	0.30	0.08	0.25
8143	83331	2844.79	8301.52	1342.0	98.09	1.46	0.30	0.04	0.11
8144	83332	2844.99	8297.86	1345.0	97.88	1.42	0.37	0.09	0.24
8145	83333	2844.99	8297.86	1342.0	98.01	1.32	0.33	0.09	0.25
8146	83334	2845.18	8294.21	1345.0	97.37	1.79	0.37	0.16	0.31
8147	83335	2845.18	8294.21	1342.0	97.90	1.48	0.34	0.08	0.20
8148	83336	2845.37	8290.55	1345.0	96.53	1.38	1.78	0.09	0.22
8149	83337	2845.37	8290.55	1342.0	97.50	1.58	0.59	0.09	0.24
8150	83338	2841.72	8290.36	1345.0	97.82	1.36	0.40	0.13	0.29
8151	83339	2841.72	8290.36	1342.0	95.85	1.24	2.61	0.09	0.21
8152	83340	2841.52	8294.01	1345.0	97.62	1.39	0.43	0.16	0.40
8153	83341	2841.52	8294.01	1342.0	97.94	1.26	0.39	0.12	0.29
8154	83342	2841.33	8297.67	1345.0	97.80	1.24	0.30	0.16	0.50
8155	83343	2841.33	8297.67	1342.0	98.36	1.18	0.28	0.04	0.14
8156	83344	2841.14	8301.32	1345.0	97.60	1.73	0.28	0.09	0.30
8157	83345	2841.14	8301.32	1342.0	97.73	1.61	0.30	0.10	0.26
8158	83346	2840.95	8304.98	1345.0	97.77	1.49	0.40	0.12	0.22
8159	83347	2840.95	8304.98	1342.0	97.34	1.79	0.33	0.18	0.36
8160	83348	2837.29	8304.79	1345.0	98.30	1.27	0.32	0.03	0.08
8161	83349	2837.29	8304.79	1342.0	98.07	1.38	0.36	0.06	0.13
8162	83350	2837.48	8301.13	1345.0	97.73	1.55	0.34	0.12	0.26
8163	83351	2837.48	8301.13	1342.0	97.65	1.58	0.31	0.13	0.33
8164	83352	2837.68	8297.48	1345.0	97.33	2.02	0.29	0.09	0.27
8165	83353	2837.68	8297.48	1342.0	97.69	1.52	0.36	0.10	0.33
8166	83354	2837.87	8293.82	1345.0	97.28	1.67	0.39	0.19	0.47
8167	83355	2837.87	8293.82	1342.0	97.96	1.30	0.36	0.10	0.28
8168	83356	2838.06	8290.17	1345.0	97.51	1.55	0.37	0.18	0.39
8169	83357	2838.06	8290.17	1342.0	97.91	1.21	0.52	0.11	0.25
8170	83358	2834.41	8289.97	1345.0	97.68	1.57	0.33	0.10	0.32
8171	83359	2834.41	8289.97	1342.0	97.40	1.65	0.47	0.15	0.33
8172	83360	2834.21	8293.63	1345.0	97.26	1.94	0.29	0.16	0.35
8173	83361	2834.21	8293.63	1342.0	97.47	1.54	0.36	0.19	0.44
8174	83362	2834.02	8297.29	1345.0	97.76	1.54	0.34	0.10	0.26
8175	83363	2834.02	8297.29	1342.0	97.71	1.60	0.33	0.09	0.27
8176	83364	2835.40	8301.02	1345.0	97.85	1.49	0.38	0.07	0.21
8177	83365	2835.40	8301.02	1342.0	97.65	1.53	0.41	0.12	0.29
8800	83972	2838.22	8347.20	1345.0	97.00	2.01	0.51	0.18	0.30
8801	83973	2838.22	8347.20	1342.0	94.02	2.36	2.91	0.25	0.46
8802	83974	2834.56	8347.24	1345.0	91.75	7.24	0.41	0.22	0.38
8803	83975	2834.56	8347.24	1342.0	93.94	2.76	2.92	0.13	0.25
8804	83976	2830.90	8347.27	1345.0	97.29	1.81	0.57	0.10	0.23
8805	83977	2830.90	8347.27	1342.0	97.41	1.72	0.63	0.07	0.17
8806	83978	2827.24	8347.31	1345.0	97.81	1.51	0.47	0.07	0.14
8807	83979	2827.24	8347.31	1342.0	97.78	1.49	0.46	0.09	0.18
8808	83980	2823.58	8347.35	1345.0	97.66	1.72	0.46	0.06	0.10
8809	83981	2823.58	8347.35	1342.0	97.61	1.74	0.45	0.07	0.13
8810	83982	2819.84	8349.10	1345.0	97.52	1.91	0.44	0.03	0.10
8811	83983	2819.84	8349.10	1342.0	97.62	1.66	0.51	0.07	0.14
8812	83984	2819.96	8351.04	1345.0	97.46	1.81	0.45	0.10	0.18
8813	83985	2819.96	8351.04	1342.0	97.77	1.52	0.56	0.05	0.10
8814	83986	2823.62	8351.00	1345.0	97.80	1.49	0.49	0.07	0.15

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BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
8815	83987	2823.62	8351.00	1342.0	97.01	2.11	0.78	0.03	0.07
8816	83988	2827.28	8350.97	1345.0	97.76	1.52	0.58	0.05	0.09
8817	83989	2827.28	8350.97	1342.0	97.14	1.79	0.52	0.22	0.33
8830	83990	2827.31	8354.63	1345.0	97.80	1.45	0.50	0.07	0.18
8831	83991	2827.31	8354.63	1342.0	97.42	1.92	0.44	0.07	0.15
8832	83992	2823.65	8354.67	1345.0	96.21	2.88	0.68	0.07	0.16
8833	83993	2823.65	8354.67	1342.0	97.41	1.89	0.41	0.09	0.20
8834	83994	2819.99	8354.70	1345.0	97.86	1.63	0.35	0.03	0.13
8835	83995	2819.99	8354.70	1342.0	97.89	1.46	0.37	0.07	0.21
8836	83996	2820.03	8358.36	1345.0	98.12	1.41	0.35	0.03	0.09
8837	83997	2820.03	8358.36	1342.0	97.59	1.25	1.08	0.02	0.06
8838	83998	2823.69	8358.33	1345.0	97.69	1.83	0.40	0.02	0.06
8839	83999	2823.69	8358.33	1342.0	98.00	1.39	0.43	0.05	0.13
8840	84000	2827.35	8358.29	1345.0	98.04	1.39	0.44	0.04	0.09
8841	84001	2827.35	8358.29	1342.0	97.07	1.70	1.10	0.04	0.09
8842	84002	2831.01	8358.25	1345.0	97.07	2.28	0.38	0.09	0.18
8843	84003	2831.01	8358.25	1342.0	97.16	2.22	0.45	0.05	0.12
8844	84004	2834.67	8358.22	1345.0	97.00	1.83	0.78	0.13	0.26
8845	84005	2834.67	8358.22	1342.0	97.10	2.01	0.38	0.17	0.34
8846	84006	2838.33	8358.18	1345.0	97.14	1.63	0.76	0.16	0.31
8847	84007	2838.33	8358.18	1342.0	97.94	1.35	0.37	0.11	0.23
8848	84008	2838.37	8361.84	1345.0	95.86	1.73	1.86	0.20	0.35
8849	84009	2838.37	8361.84	1342.0	97.95	1.25	0.51	0.07	0.22
8850	84010	2834.71	8361.88	1345.0	97.22	1.33	1.28	0.03	0.14
8851	84011	2834.71	8361.88	1342.0	97.66	1.46	0.66	0.04	0.18
8852	84012	2831.05	8361.91	1345.0	95.11	1.66	3.03	0.05	0.15
8853	84013	2831.05	8361.91	1342.0	97.53	1.46	0.78	0.06	0.17
8854	84014	2827.39	8361.95	1345.0	97.58	1.49	0.57	0.12	0.24
8855	84015	2827.39	8361.95	1342.0	97.79	1.43	0.41	0.12	0.25
8856	84016	2823.73	8361.99	1345.0	98.16	1.30	0.38	0.04	0.12
8857	84017	2823.73	8361.99	1342.0	97.48	1.87	0.34	0.10	0.21
8858	84018	2820.07	8362.02	1345.0	97.87	1.47	0.57	0.01	0.08
8859	84019	2820.07	8362.02	1342.0	97.70	1.62	0.62	0.01	0.05
8860	84020	2820.10	8365.68	1345.0	98.00	1.53	0.39	0.01	0.07
8861	84021	2820.10	8365.68	1342.0	97.90	1.54	0.41	0.02	0.13
8862	84022	2823.76	8365.64	1345.0	98.09	1.43	0.38	0.01	0.09
8863	84023	2823.76	8365.64	1342.0	97.88	1.47	0.38	0.07	0.20
8864	84024	2827.42	8365.61	1345.0	97.76	1.56	0.35	0.10	0.23
8865	84025	2827.42	8365.61	1342.0	97.77	1.47	0.37	0.13	0.26
8866	84026	2831.08	8365.57	1345.0	97.05	2.31	0.39	0.06	0.19
8867	84027	2831.08	8365.57	1342.0	97.82	1.53	0.39	0.06	0.20
8868	84028	2834.74	8365.54	1345.0	98.11	1.34	0.33	0.04	0.18
8869	84029	2834.74	8365.54	1342.0	98.07	1.41	0.30	0.04	0.18
8870	84030	2838.40	8365.50	1345.0	98.01	1.44	0.33	0.05	0.17
8871	84031	2838.40	8365.50	1342.0	97.82	1.54	0.38	0.05	0.21
8872	84032	2838.37	8367.40	1345.0	97.94	1.49	0.36	0.05	0.16
8873	84033	2838.37	8367.40	1342.0	97.71	1.64	0.32	0.09	0.24
8874	84034	2834.78	8369.20	1345.0	98.07	1.35	0.32	0.08	0.18
8875	84035	2834.78	8369.20	1342.0	97.79	1.69	0.27	0.06	0.19
8876	84036	2831.12	8369.23	1345.0	97.90	1.43	0.44	0.06	0.17
8877	84037	2831.12	8369.23	1342.0	97.86	1.43	0.41	0.09	0.21
8878	84038	2827.46	8369.27	1345.0	97.97	1.43	0.36	0.07	0.17
8879	84039	2827.46	8369.27	1342.0	97.79	1.36	0.39	0.17	0.29
8880	84040	2823.80	8369.30	1345.0	98.03	1.46	0.42	0.02	0.07
8881	84041	2823.80	8369.30	1342.0	97.65	1.70	0.38	0.08	0.19
8882	84042	2820.14	8369.34	1345.0	98.16	1.36	0.41	0.02	0.05
8883	84043	2820.14	8369.34	1342.0	97.95	1.58	0.40	0.02	0.05
8884	84044	2816.48	8369.38	1345.0	98.23	1.33	0.36	0.02	0.06
8885	84045	2816.48	8369.38	1342.0	98.13	1.41	0.41	0.01	0.04



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BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
8886	84046	2816.44	8365.72	1345.0	96.60	2.53	0.59	0.08	0.20
8887	84047	2816.44	8365.72	1342.0	97.86	1.60	0.41	0.03	0.10
8888	84048	2816.41	8362.06	1345.0	98.21	1.37	0.34	0.02	0.06
8889	84049	2816.41	8362.06	1342.0	97.97	1.48	0.47	0.02	0.06
8890	84050	2816.37	8358.40	1345.0	97.84	1.56	0.47	0.03	0.10
8891	84051	2816.37	8358.40	1342.0	97.84	1.40	0.71	0.01	0.04
8892	84052	2816.33	8354.74	1345.0	96.30	3.05	0.52	0.03	0.10
8893	84053	2816.33	8354.74	1342.0	97.30	2.07	0.44	0.05	0.14
8894	84054	2816.30	8351.08	1345.0	97.58	1.81	0.51	0.02	0.08
8895	84055	2816.30	8351.08	1342.0	93.63	2.35	3.89	0.02	0.11
8896	84056	2816.27	8349.45	1345.0	96.76	1.97	1.12	0.04	0.11
8897	84057	2816.27	8349.45	1343.0	97.27	1.68	0.73	0.08	0.24
9200	83910	2828.47	8294.27	1345.0	97.01	1.50	1.28	0.07	0.14
9201	83911	2828.47	8294.27	1342.0	97.67	1.70	0.37	0.08	0.18
9202	83912	2828.56	8290.61	1345.0	97.28	1.48	0.93	0.11	0.20
9203	83913	2828.56	8290.61	1342.0	97.99	1.58	0.32	0.03	0.08
9204	83914	2828.65	8286.95	1345.0	98.18	1.30	0.35	0.04	0.13
9205	83915	2828.65	8286.95	1342.0	98.10	1.35	0.39	0.04	0.12
9206	83916	2828.74	8283.29	1345.0	97.48	1.49	0.79	0.08	0.16
9207	83917	2828.74	8283.29	1342.0	97.63	1.68	0.46	0.06	0.17
9208	83918	2825.08	8283.20	1345.0	98.30	1.18	0.44	0.02	0.06
9209	83919	2825.08	8283.20	1342.0	98.28	1.25	0.40	0.01	0.06
9210	83920	2824.99	8286.86	1345.0	97.98	1.39	0.41	0.06	0.16
9211	83921	2824.99	8286.86	1342.0	97.50	1.97	0.41	0.02	0.10
9212	83922	2824.90	8290.52	1345.0	97.93	1.48	0.37	0.05	0.17
9213	83923	2824.90	8290.52	1342.0	98.24	1.22	0.38	0.04	0.12
9214	83924	2824.81	8294.18	1345.0	97.64	1.66	0.47	0.06	0.17
9215	83925	2824.81	8294.18	1342.0	97.79	1.51	0.42	0.09	0.19
9216	83926	2821.15	8294.09	1345.0	97.88	1.41	0.55	0.05	0.11
9217	83927	2821.15	8294.09	1342.0	97.57	1.73	0.52	0.04	0.14
9218	83928	2821.24	8290.43	1345.0	97.69	1.41	0.80	0.02	0.08
9219	83929	2821.24	8290.43	1342.0	97.84	1.53	0.37	0.06	0.20
9220	83930	2821.33	8286.77	1345.0	97.97	1.44	0.48	0.02	0.09
9221	83931	2821.33	8286.77	1342.0	97.77	1.51	0.52	0.05	0.15
9222	83932	2821.42	8283.11	1345.0	97.83	1.72	0.39	0.01	0.05
9223	83933	2821.42	8283.11	1342.0	97.02	1.77	0.81	0.14	0.26
9224	83934	2817.76	8283.02	1345.0	96.73	1.90	0.54	0.13	0.70
9225	83935	2817.76	8283.02	1342.0	96.48	1.59	0.57	0.04	1.32
9228	83936	2817.58	8290.34	1345.0	98.02	1.43	0.47	0.01	0.07
9229	83937	2817.58	8290.34	1342.0	97.85	1.42	0.55	0.04	0.14
9230	83938	2817.50	8294.00	1345.0	96.86	1.59	0.36	0.02	1.17
9231	83939	2817.50	8294.00	1342.0	95.38	1.58	2.95	0.01	0.08
9232	83940	2813.84	8293.91	1345.0	97.79	1.64	0.38	0.05	0.14
9233	83941	2813.84	8293.91	1342.0	97.63	1.38	0.92	0.02	0.05
9234	83942	2813.93	8290.25	1345.0	97.72	1.37	0.84	0.02	0.05
9235	83943	2813.93	8290.25	1342.0	97.80	1.30	0.86	0.01	0.03
9236	83944	2814.01	8286.59	1345.0	97.88	1.49	0.54	0.02	0.07
9237	83945	2814.01	8286.59	1342.0	97.60	1.57	0.75	0.02	0.06
9238	83946	2814.10	8282.93	1345.0	97.72	1.65	0.54	0.01	0.08
9239	83947	2814.10	8282.93	1342.0	97.20	1.78	0.80	0.05	0.17
9240	83948	2810.45	8282.84	1345.0	97.47	1.49	0.92	0.03	0.09
9241	83949	2810.45	8282.84	1342.0	97.53	1.71	0.65	0.02	0.09
9242	83950	2810.36	8286.50	1345.0	97.90	1.52	0.43	0.03	0.12
9243	83951	2810.36	8286.50	1342.0	95.16	4.20	0.50	0.04	0.10
9244	83952	2810.27	8290.16	1345.0	97.54	1.57	0.50	0.10	0.29
9245	83953	2810.27	8290.16	1342.0	96.84	2.11	0.51	0.18	0.36
9246	83954	2810.18	8293.82	1345.0	97.10	2.20	0.41	0.07	0.22
9247	83955	2810.18	8293.82	1342.0	96.79	2.21	0.58	0.11	0.31
9248	83956	2806.52	8293.73	1345.0	98.16	1.23	0.51	0.03	0.07

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BHS#	UNIT	EAST	NORTH	ELEV.	MGO	CAO	FE2O3	AL2O3	SIO2
9249	83957	2806.52	8293.73	1342.0	97.79	1.42	0.54	0.07	0.18
9250	83958	2806.61	8290.07	1345.0	97.02	1.71	0.93	0.09	0.25
9251	83959	2806.61	8290.07	1342.0	96.68	1.86	1.11	0.09	0.26
9252	83960	2806.70	8286.41	1345.0	96.92	2.02	0.67	0.10	0.29
9253	83961	2806.70	8286.41	1342.0	96.87	2.31	0.45	0.08	0.29
9254	83962	2806.79	8282.75	1345.0	94.76	2.20	2.69	0.10	0.25
9255	83963	2806.79	8282.75	1342.0	97.48	1.60	0.75	0.04	0.13
9256	83964	2803.13	8282.66	1345.0	97.01	2.33	0.51	0.04	0.11
9257	83965	2803.13	8282.66	1342.0	95.19	1.46	3.20	0.03	0.12
9258	83966	2803.04	8286.32	1345.0	97.10	1.66	0.98	0.06	0.20
9259	83967	2803.04	8286.32	1342.0	97.02	2.49	0.43	0.01	0.05
9260	83968	2802.95	8289.98	1345.0	97.75	1.42	0.70	0.02	0.11
9261	83969	2802.95	8289.98	1342.0	97.79	1.49	0.62	0.02	0.08
9262	83970	2802.86	8293.64	1345.0	97.57	1.50	0.81	0.03	0.09
9263	83971	2802.86	8293.64	1342.0	97.54	1.54	0.71	0.05	0.16