

**YUKON MINING INCENTIVE PROGRAM
2010 SOIL GEOCHEMICAL REPORT**

on the

MARIPOSA PROPERTY

Owned by Pacific Ridge Exploration and Optioned from G. Richards

Claim Sheet No 115O/01, 115O/02, 115J/16

Latitude 63° 00' N, Longitude 138° 32' W

Dawson Mining District, Yukon

**Field Work Performed between June 15th and August 8th, 2010
conducted by Future Metals Inc.**



Fog Laden Yukon and Stewart Rivers

**by
Janice Fingler, P. Geo.
January 28th, 2011**

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SUMMARY

The original Mariposa Property (“Mariposa”), which was acquired in September 2009, by way of an option agreement with the Tintina Syndicate (“Tintina”), granted Pacific Ridge the right to earn a 100% interest subject to a 2% NSR through making cash and shares payments. With the success of the 2010 YMIP supported exploration program, Pacific Ridge has recently expanded the property to comprise 967 mineral (quartz) claims covering an area of approximately 265 square kilometers.

The property is located 70 kilometres southeast of Dawson City, Yukon. It is also 15 kilometres southeast of the Underworld/Kinross Whitegold discovery and 12 kilometres ENE of the Kaminak Coffee property. The quartz claims held by Pacific Ridge now cover a 30 x 10 km area which lies within a regional major northwest trending structural corridor which hosts numerous gold and copper deposits.

The local geological setting of the Mariposa Property is analogous to the Whitegold style of gold mineralization, in the host lithologies and brittle style of deformation. Prior exploration identified an open-ended 7 kilometres long horizon of altered sulphide bearing quartz mica schist. This unit is locally flanked by intrusive and mafic rock units, a setting favorable for hosting a gold-mineralizing system.

Prior geochemical soil sampling at the western exposed end of the host schist has defined an open ended 2 kilometre long gold-in-soil anomaly containing values above 20 ppb gold and ranging to 1300 ppb gold. Additional soil sampling by Tintina also outlined a second open-ended gold target, measuring a kilometer square and overlying nearby intrusive rocks. Samples collected from bedrock exposed by placer mining have returned gold values up to 3 grams /tonne from sulphide-bearing rocks.

All streams draining the Mariposa property are known to contain placer gold, of which Scroggie Creek has had a long history of placer gold production which continues today. The placer miners recovered rough, pristine gold nuggets (“hackly gold”), in the headwaters of Mariposa Creek. This may suggest the presence of nearby lode gold sources. Within Geological Survey of Canada Current Research Report 2003-A1, it is noted that “The fragility of the pristine gold crystals system is, consequently, a source on adjacent hillsides is suggested “.

The Mariposa Property has seen placer mining for over 100 years and sporadic prospecting, geochemical sampling and minor geophysical work over the past 12 years directed to exploring for the bedrock gold source. The exploration work has been on a limited scale utilizing ridge and spur prospecting and geochemical sampling (rock, soil and silt) and more recently with several localized soil grids throughout the claims.

During 2010, in preparation for establishment of future drilling and trenching targets, auger soil sampling was conducted over a 9 x 3 km grid centered on a south facing slope to the immediate north of Mariposa Creek. A total of 2952 samples were collected over the grid area. This program was supported, in part, by a grant from Yukon Mining Initiatives Program YMIP.

During the program, encouraging soil geochemical results were received. As a result, the company was able to secure additional financing, expand the soil program and initiate trenching. The geochemical survey detected seven multi-element targets for followup: Skookum Jim, Skookum Extension, Big Alex, Maisy May, Gertie, Hackly Gold and NW Hackly. The most prominent is the Skookum Jim target, which is a 3500 x 600 NE trending soil anomaly with a peak gold result of 1540 ppb. This target was largely blind before this survey. A single MMI line to the west was anomalous.

INTRODUCTION

The 2010 auger soil sampling program on the Mariposa property was supported by grant funds made available through the Yukon Mining Incentives Program (YMIP). The original proposal for the program was a budget of \$160,000, for the collection of 4200 samples on the Mariposa gird area. Access challenges resulted in approximately 2952 samples being collected. With the positive results from the soil samples, however, the program changed scope and trenching was used to test the new anomalies.

This report is written in support of the documentation required by YMIP.

LOCATION AND ACCESS

The Mariposa Property is located 70 km south of the Dawson City, and is covered by portions of four NTS topographic mapsheets: 115O/1 & 2, 110J/15 & 16 (Figure 1). The property is accessible by fixed-wing aircraft from Dawson City or Whitehorse, to a 750-meter long north-south airstrip located beside Scroggie Creek, in the west-center of the claims. The property is also accessible in summer by ATV from Pelly Farm on the north side of Pelly River, 40 km west of Pelly Crossing and south along Scroggie Creek. Access by ATV is possible along existing placer mining roads which flank Scroggie and Mariposa Creeks.

CLAIMS

At the beginning of the 2010 field season, the Mariposa property consisted of 246 quartz claims. The property then included the 200 original claims optioned from Gordon G. Richards (Tintina Syndicate) on September 17, 2009, and an additional 46 claims added to the property by Pacific Ridge, in September 2009. The property was comprised of four claim series: 12 Cigar (# 1- #12 inclusive), 45 Rum Run (#1 to #58 not inclusive), 143 Toluamide (#1 - #143 inclusive) and 46 Gertie claims (#1 - #46 inclusive). The YMIP supported 2010 geochemical program was conducted on these holdings. With the receipt of encouraging soil results during the summer of 2010, Pacific Ridge expanded the Mariposa property by staking, to a total of 967 quartz claims covering an area of 265 sq kilometers.

Figure 3 shows the current claim holdings for the Mariposa property, as well as the original claim group. A complete claim listing is presented in Appendix 2.

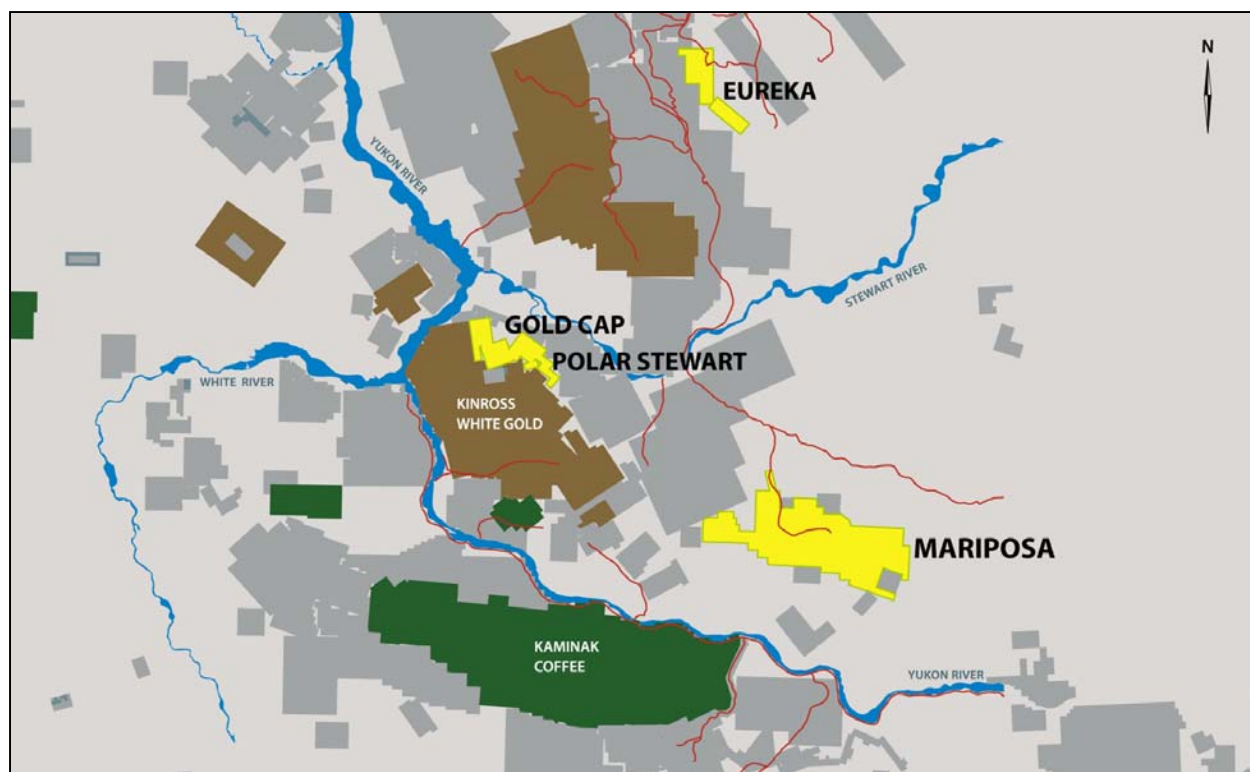


FIGURE 1: Mariposa Property Location

Mariposa Property White Gold District, Yukon

Placer Workings
along creeks

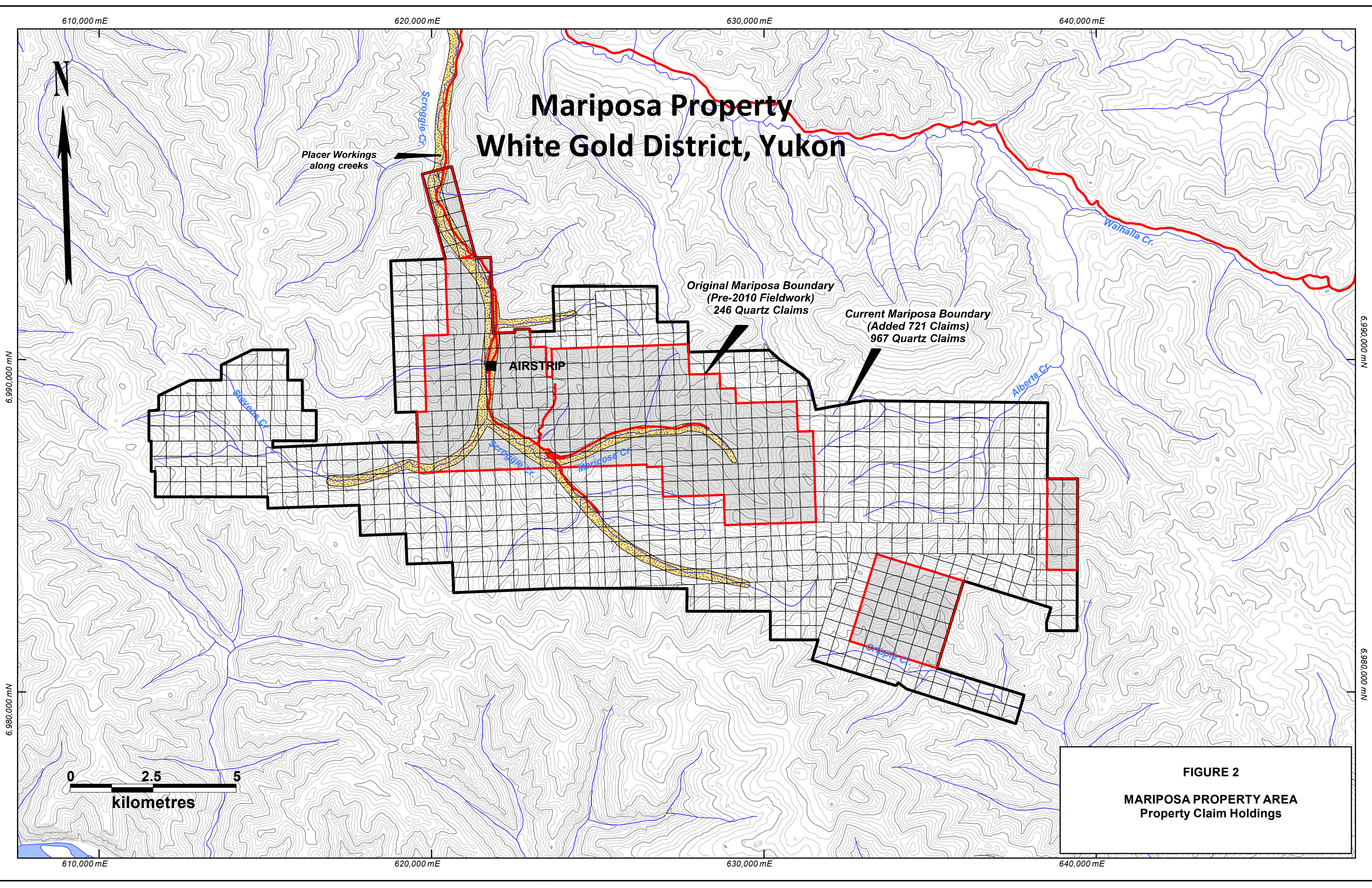
Original Mariposa Boundary
(Pre-2010 Fieldwork)
246 Quartz Claims

Current Mariposa Boundary
(Added 721 Claims)
967 Quartz Claims

AIRSTrip

0 2.5 5
kilometres

FIGURE 2
MARIPOSA PROPERTY AREA
Property Claim Holdings



HISTORY

(Adapted from Gordon G. Richard's Jan 27, 2010 Geochemical Report on the Mariposa Property and G. Norman's 2010 YMIP proposal for the Mariposa Property)

Placer gold was first discovered in 1898 in Scroggie and Mariposa Creeks and was extensively mined by hand with the aid of steam boilers and points in the early 1900's (Refer to GSC Memoir 97). Two small cuts were mined by tractor, equipped with cable dozer blade in the mid-1950s and caterpillar mining began in 1980 initiated due to high gold prices and has continued uninterrupted until today. Although early records have not been thoroughly researched, approximately 100,000 ounces of gold with a fineness of 905 has been produced from Mariposa and Scroggie Creeks.

A granite batholith mapped by H S Bostock in 1935-37 and shown on GSC Map 711A, Ogilvie, occurs north of the area of placer mining. Schists and gneisses of the Yukon Group underlie the placer mining area. A large body of pyroxenite underlies Pyroxene Mountain to the northeast.

During 1988, mining cuts along Scroggie Creek downstream from Stevens Creek yielded abundant arsenopyrite crystals in the sluice-concentrates over about 300 meters. No source for the arsenopyrite was ever found during the course of excavation for placer mining. In 1990 a black-sand sluice-concentrate, with coarse gold recovered, was analyzed by Chemex Labs for multi-element analyses to determine if other significant metals that might be present in the Scroggie drainage. This concentrate was highly anomalous for several elements including Au, Ag, Bi, Pb, W and Sn. which are indicative of intrusion-related gold deposits. Pt and Pd values were also anomalous. Common minerals found in sluice concentrates include gold, magnetite, garnet and kyanite.

Over 100 WINE and FISH Quartz Claims were staked in 1987 over the area encompassing the significant placer gold production area described above. A weak gold anomaly was described in soils north of upper Mariposa Creek. Quartz veins staked in 1917 are described as being located along Mariposa Creek in this same area (Minfile O-075). Other minfile occurrences, in the general include a copper-molybdenum occurrence in upper Scroggie Creek, a uranium occurrence in upper Stevens Creek and a PGM-gold occurrence near Pyroxenite Mt.

Gordon Richards initiated prospecting the area in 1999 and staked the RUM RUN 1-20 quartz claims in Sept 1999. The following gives a summary of work by Gordon Richards from June 2000 to 2006 on the RUM RUN claims: June 2000: Prospected the general area, conduct representation work on the RUM RUN 1-20 and staked the RUM RUN 21-50 and 53-59 and completed a preliminary examination; July and August 2001: Geochemical sampling, mapping and a VLF – EM geophysical survey was conducted over a portion of the claims; July – August 2003: Magnetometer surveys were initiated in three separate areas and some limited geochemical surveying; Summer of 2005: Infill magnetometer surveying near the south end of the Scroggie airstrip and additional magnetic survey work

on the east side of the property. A VLF-EM survey was initiated to locate Scroggie fault; Summer 2006: An orientation MMI soil survey was completed along selected lines throughout the property. A large portion of the exploration work compelled by Gordon Richards has been with the assistance of YMIP grubstake and target evaluation grants.

In 1988, D. Waugh completed work on the Fish 49-62, 81-94 and Wine 25- 57 claims. Most of the work (prospecting and rock sampling) was completed on the FISH 94 claim in an area at the intersection of two structural lineaments. During 2001 Vern Matovitch and Tom Morgan completed prospecting and geochemical rock, soil and silt sampling on the Wolf 1-42 and Pyrex 1-4 claims.

In 2009, Gordon Richards completed geochemical soil sampling and rock sampling was completed over selected areas within the Toluamide 1-64 claims.

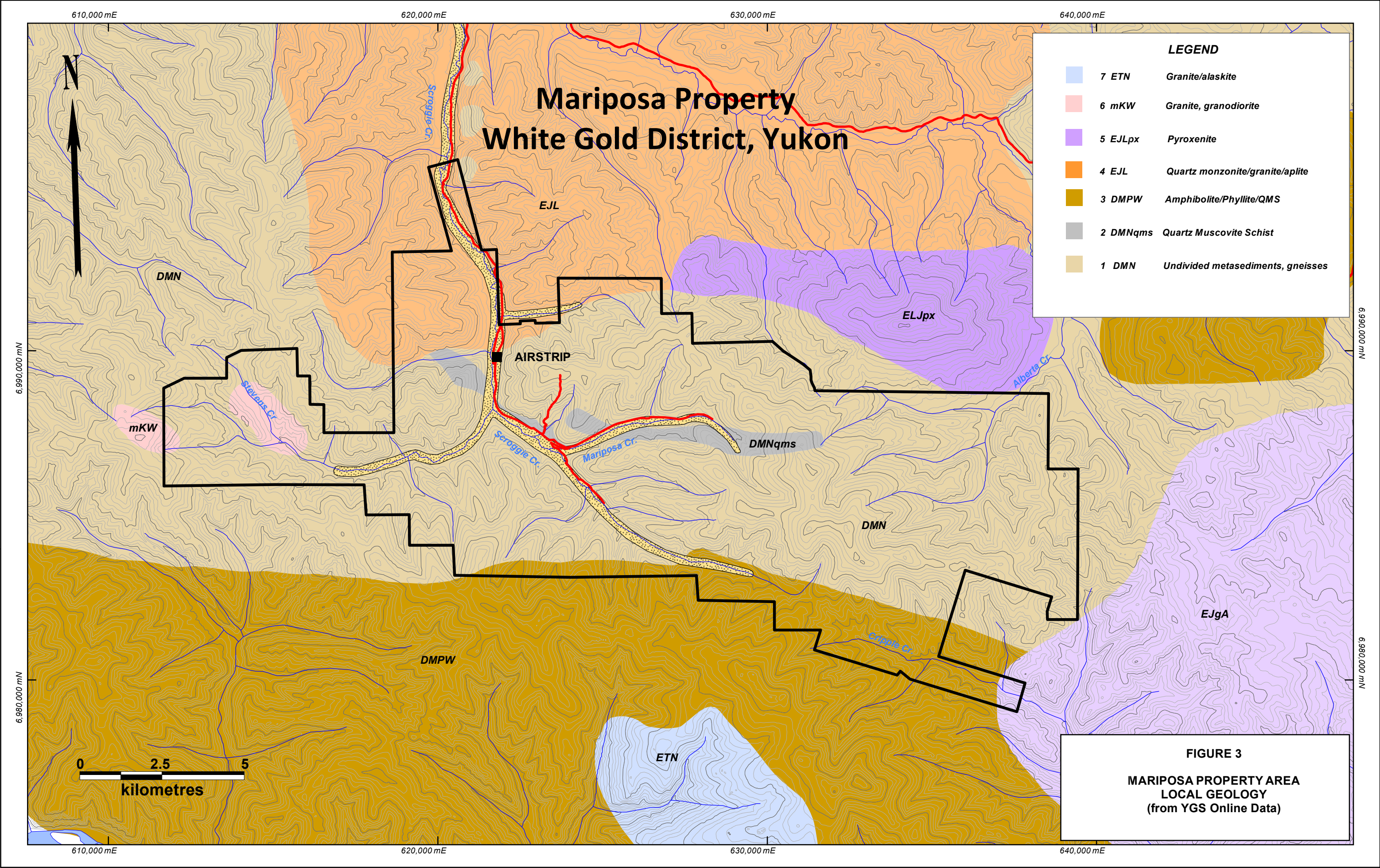
LOCAL GEOLOGY

(Derived from Gordon G. Richard's Jan 27, 2010 Geochemical Report on the Mariposa Property)

The geology of the Mariposa property area has been only partially mapped by the Geological Survey of Canada. Figure 3 is a general compilation of the local geological units. Additional details are derived from G. G. Richards:

“The large granitic body exposed on either side of Scroggie and Walhalla Creeks is a coarse white granite near the junction of these creeks but, farther south and east, is more nearly a granodiorite and carries large pink feldspar crystals. Along its southern contact is a zone composed mainly of hornblende and pink feldspar. The body contains numerous xenoliths of the Yukon Group and innumerable pegmatitic intrusions that, in places, make up fully 30 percent of the volume of the rock.” (H.S. Bostock, 1942, Map 711A, OGILVIE). Mr. Jim Ryan and others of the Geological Survey of Canada have recently remapped some of the batholith and adjacent areas throughout the Stewart Map Sheet. Based on initial mapping of part of the batholith, Mr. Ryan describes the batholith as a composite intrusive complex with many phases often with diffuse contacts with country rock (personal communication). The area described in this report lies along the southern contact of this batholith. “Granite” in this area contains pink feldspar phenocrysts up to two cm long, plagioclase and quartz. It is often foliated and contains hornblende and lesser biotite of 10 to 20 percent. This fits with Bostock’s description of the granodiorite, which term is used throughout this report.

A stock of “granite”, separated from the main batholith by three to five km of metamorphic rocks is a coarse-grained, moderately foliated granite composed of one-half cm long quartz grains set in coarse to medium-grained pink feldspar with five to ten percent variably chloritized hornblende and biotite. About 20 percent of the feldspars are white. Mafic biotite-hornblende rich xenoliths are common locally.



A large poorly defined body of pegmatite occurs northwest of the airstrip within the granite batholith. This may be a single large body or more likely an area of intense dyking (see below). It measures three by four km as defined by chips in soil pits, float in creeks, boulders on hillsides and a few outcrops. Dykes of pegmatite can be seen cutting granodiorite outcrop near the miner's camp and along adjacent Scroggie Creek. Pegmatite is typically comprised of 20 – 30 percent quartz, 50 percent Kspar, 20 percent plagioclase and <5 percent biotite plus muscovite. Miagmatic cavities are present but rare. Pegmatite can also be seen as narrow dykes within the country rocks at numerous locations. Pale buff-colored aplite is occasionally seen within the batholith as outcrop and float particularly east and northeast of the miner's camp.

Country rock to the batholith includes schists and gneisses of the Yukon Group. Float and outcrop of metamorphic rocks along Scroggie and Mariposa Creeks display a wide variety of textures. Most common by far are quartz-feldspar-hornblende gneisses of highly variable grain size and texture in places containing garnet of quite variable size and content. Kyanite, common in placer gold concentrates, is seen in float along most of Scroggie Creek as subround disc-shaped boulders of kyanite-muscovite \pm garnet, \pm magnetite \pm staurolite (?) gneiss and locally in outcrop such as on both sides of Scroggie Creek at the south end of the airstrip. Float of pegmatite, granite and chlorite and biotite rich gneisses is also common. Quartz-eye rhyolite float can be seen in minor amounts along much of Scroggie and Mariposa Creeks.

A quartz-muscovite \pm garnet schist unit, QMS, up to a few hundred meters thick has been mapped across the area from Mariposa Creek to Cabin Creek. The unit is not massive as intercalations of other schists and gneisses do occur within it as can best be seen on the placer-mined bench opposite the mouth of Stevens Creek. Its muscovite content, generally five to twenty percent but locally over 90 percent, characterize it. Weathering of pyrite, usually forming less than one percent, has produced a distinctive orange surface. The unit strikes northwest and dips about 45 degrees northeast except near Scroggie Creek. Nearing Scroggie Creek from the east, strikes become progressively more northerly and dips steepen to near vertical. This change could be caused by drag along an unexposed north-south fault with right lateral sense of movement. In 1986 during placer mining, the unit along Lower Mariposa Creek was seen by the writer (Gordon Richards) to terminate against a sharp fault. The similar rock type mapped further north of this point may be a faulted offset of the same unit and not a repetition. The unit continues east along Mariposa Creek drainage for several km.

South of the QMS unit along Scroggie Creek, from Mariposa Creek to north of Stevens Creek, a dark green to grey chlorite-biotite gneiss with fine laminations and locally with augen of pink feldspar makes a distinctive unit at least several hundred meters thick. It outcrops across the floor of Scroggie Creek as seen during the course of placer mining in the late 1980's and now evidenced by the abundance of angular pieces of this rock type on the placer tailing piles. A typical specimen shown to Mr. J Ryan of the G.S.C. was identical to rocks mapped as diorite orthogneiss further west along Barker Creek and elsewhere in the general area.

North of the quartz-muscovite schist, outcrops of quartzo-feldspathic gneiss containing variable amounts of hornblende and garnet make up the bulk of the exposed country rock.

The Scroggie Creek drainage in the area of this report is described as unglaciated (Duk-Rodkin 1999, G.S.C. O.F.3694). Mr. Lionel Jackson of the G.S.C. suggested older glacial periods of greater than one my bp could have affected the area. During a placer test in the late 1980s of a bench immediately above the southwest corner of RUM RUN 59 (now lapsed), the writer examined material that looked like till. Large rounded boulders and till-like soils occur in the headwaters of Mariposa Creek. It is curious that oxidation of sulfides is absent or only shallowly developed at best on the property whereas elsewhere in unglaciated terrain it is deeply developed. The Casino porphyry Cu-Mo deposit, 25 km south is deeply leached, in places to over 100 meters. Loess is present on hillsides as was seen in two pits dug in 2001.

Placer gold along Scroggie airstrip and upstream is very rounded. Along Mariposa Creek the gold is more angular and textured. Placer gold in upper Mariposa where it was mined in the late 1980's was reported as rough and hackly possibly indicating a nearby bedrock source. Gold collected in 2009 at the bend in Mariposa Creek about one-half way up the creek is intermediate between these textures. The Toluamide claims were staked in to cover this exploration target."

PREVIOUS WORK

(With reference to Gordon G. Richard's Jan 27, 2010 Geochemical Report on the Mariposa Property)

Previous work, described in previous assessment reports by Gordon Richards, subdivided the property into three areas named the Pegmatite Zone, the QMS Zone and the East Zone.

The Pegmatite Zone occurs on the RUM RUN 1-20. Gold mineralization occurs associated with pegmatite dykes along Scroggie Creek. Gold values up to 3020 ppb Au occur associated with very fine sulfide in quartz breccias within dykes of pegmatite cutting the foliated medium-grained hornblende granodiorite. Immediately to the west, on a moderate sloping hillside devoid of outcrop, soil samples are geochemically anomalous for gold over a one-km diameter area. The rocks and some soils are moderately anomalous for Mo, Pb and Sb. Rock chips in soils and float in creeks indicate this area occurs within a large pegmatite body or intense dyke swarm about three km in diameter. A north trending fault is believed to occur along Scroggie Creek, from evidence collected further south, and may form the east boundary of the large pegmatite body.

This fault and associated splays are targets for gold mineralization. The quartz-breccia sulfide mineralization within pegmatite dykes would have to be more continuous and higher grade if similar mineralization exists under the gold soil anomaly west of Scroggie Creek to be of interest. During June 2001, the placer operator on Scroggie Creek, Mr. Zdenek Bidrman, showed the writer two gold-quartz pebbles measuring about two cm in maximum dimension.

Mr. Bidrman described the collection of about fifty other smaller gold-quartz pieces together with the two larger pieces from a small area of placer mining west of C184 tight against the bank. About one-quarter of the volume of the gold-quartz pieces is gold (See Photo 2) Such pieces, though not common, were occasionally seen by the writer in placer concentrates during his mining of Scroggie and Mariposa Creeks from 1985 to 1992. The occurrence of numerous pieces of gold-quartz pebbles in one restricted area could come from several possible sources. They could be caused by gold-quartz weathered from nearby bedrock or from disintegration of a single or few pieces of gold-quartz weathered from a source previously several thousand feet above the present land surface. The first possibility offers a target worthy of pursuing as small volume high-grade veins associated with the north trending fault and has been suggested by others. "The fragility of the pristine gold crystals projecting from the class suggests that they were not transported far following their introduction into the fluvial system. Consequently, a source on adjacent hillsides is suggested." (Rottweiler, P.N. GSC Current Research 2003-A1).

The QMS Zone occurs on the RUM RUN 21-40. A quartz muscovite schist unit (QMS) was crudely mapped from chips in soil pits across these claims over a strike length of 1500 m open to the northwest. The unit is eventually terminated against the granite-pegmatite intrusive complex in this direction, but extends over ten-km east along Mariposa Creek where it includes the East Zone. Soil results indicated strong geochemically anomalous patterns for Au, As, Bi, Pb, Te, S and Zn over the QMS Zone. Outcrops are very rare on the hillside within the anomalous patterns but a 45-degree northeasterly dip to foliation within the QMS, and adjacent units nearby, has been well documented. Attitudes steepen to near vertical with a northerly strike along Scroggie Creek. This change of attitude is believed to be related to drag along a north-south fault along Scroggie Creek. Well-formed arsenopyrite crystals were abundant within gold placer concentrates along the portion of Scroggie Creek underlain by the QMS unit as seen by the writer in the late 1980's. The placer gold collected from this area of Scroggie Creek was also unique in being coated by a fine, deep-blood-red powder. The arsenopyrite could be related to gold mineralization associated with the north trending fault or to mineralization related to the anomalous geochemical patterns.

In the QMS target, the occurrence of anomalous Au-Bi-As-Pb in soils with Sn-W in Au placer concentrates within high-grade metamorphic rocks, in association with granite and pegmatite suggests an intrusive event may be related to the gold mineralization in the area. The broad, anomalous geochemical patterns are evidence that a large scale mineralizing system has affected the rocks of the property area.

ADDITIONAL PREVIOUS WORK

(Excerpt from G. Norman's 2010 YMIP Proposal for the Mariposa Property)

In 1988, D. Waugh completed work on the Fish 49-62, 81-94 and Wine 25- 57 claims. Most of the work (prospecting and rock sampling) was completed on the FISH 94 claim in an area of the intersection of two structural lineaments. Rock chip samples (179) were collected along two control lines. Samples were analyzed by Katz River Lab with most samples returning very low results, except for 3 samples which gave 3.1, 2.6 and 2.0 g/t gold.

During 2001 Vern Matovitch and Tom Morgan completed prospecting and geochemical rock, soil and silt sampling on the Wolf 1-42 and Pyrex 1-4 claims. Sampling of a 2 meter chip sample (WF-21-R-018) located at UTM 07V 0625486E and 6987507N returned 2530 ppb Au. This sample is located proximal to the mouth of the first southerly flowing tributary of Mariposa Creek.

Work in 2009 performed by Gordon Richards was designed to further evaluate the strength and extent of the QMS multi-element geochemical anomaly and initiate the geochemical assessment of the Toluamide 1-64 claims staked in 2008. Subsequent to this work, the Property was optioned to Pacific Ridge Exploration who has initiated a compilation of all previous work.

The 2009 soil geochemical surveying work on the QMS multi-element anomaly confirmed that anomalous gold extends north of Cabin Creek, the east flowing creek that enters Scroggie Creek at the south end of the airstrip. Anomalous soil samples returned up to 164 ppb gold, with locally elevated values for bismuth, arsenic and lead. The anomalous soil results in this area lie to the immediate north of the previously mapped extent of the QMS horizon.

Rock and soil samples were also collected from the east facing hillside above Scroggie Creek, to the immediate west of the airstrip. The hillside was laid visually open after an intense fire swept across the hillside in 2009. White quartz rich boulders stood out against the fire-blackened earth and were sampled along a contour traverse. More similar boulders occurred uphill but were not sampled. Best rock sample results returned 787.4 ppb Au, 4222.4 ppm Cu and 351 ppm Pb. Anomalous gold soils were collected near the quartz-rich boulders with values to 26 ppb Au and a higher value of 97 ppb Au about 50 m north of the area of quartz-rich boulders.

To the east of the headwaters of Mariposa Creek, anomalous gold in soil values up to 256 ppb were obtained. The extent of this anomalism is unknown. Many of the soil pits in this area were frozen and thus soils collected were sub-standard and included minor amounts of organic material.

The several rock samples collected from the Western Claims area. Two were samples of a fault gouge exposed in the floor of a 25 m wide placer mining cut that has exposed limonitic QMS along Mariposa Creek. No anomalous gold values were returned.

2010 WORK PROGRAM

The proposed 2010 work program consisted of a 14 km x 1.5 km deep auger soil survey that would systematically cover the original claims and the areas of previous sporadic work. The budget for this Phase I program was estimated to be approximately \$160,000, to collect 4200 samples over a period of one month.

On-site field conditions indicated that the estimated production of 32 sample per person, per day was not achievable, unless a helicopter was used. Crews were transported by ATVs and in many areas, then had to walk several kilometers to the start of sampling traverses. As well, the combination of sooty ash and permafrost slumping made some local slopes difficult to climb. For safety and for support carrying samples during longer traverses, crews often worked in teams. Figure 4 shows the survey area and the distribution of sample sites. All stations along the 100 x 50 metre grid were reviewed and gaps (non-sample sites) along the grid lines are stations where samples could not be collected due to permafrost, roads, disturbance. Attempts were made to sample the permafrost with a gas-powered auger and by pre-stripping the moss cover; however these methods were neither cost nor time efficient. While costs for the proposed program were higher than budgeted, the positive results received from the sampling resulted in additional funding being secured and an expansion of the program to include trenching of the anomalous zones.

Within the Mariposa grid area, a total of 2952 soil samples were collected during the program. The program was designed and supervised by George Norman, P.Geo, and executed by field crews of Future Metals Inc., under the direction of Michael Renning. The coordinates of planned grid stations (datum UTM83zone7) at 50m intervals along 100m spaced lines, were uploaded dialed to handheld Garmin 60C GPS units. Crews used these to navigate in the field. All samples were collected with one metre long Edelman Dutch hand augers. Soil samples were gathered from depths ranging between 20-60cm depth and were marked in the field with blue/pink flagging and tyvex tags.

The sample numbers used are shortened versions of the actual GPS coordinates, assigning only the last 5 digits of both the east and the north UTM coordinate. Sample numbers therefore had 10 digits, with a space separator. A total of 400-500 grams of soil was collected and placed in well marked kraft soil bags. These were packaged into sealed rice bags, flown to Dawson City by charter, and were delivered to the Acme Analytical freight service by Small's Expediting. Soil samples were received and processed by the Acme Lab facility in Whitehorse and pulps were forward to Vancouver for analysis. Samples were analyzed for 36 elements using an Aqua Regia digestion and an ICP-MS finish (1DX). Acme Analytical Labs is an ISO9001 accredited facility which conducted full internal QA-QC with the insertion and monitoring of standards, blanks and duplicates.

2010 SOIL RESULTS

Statistical soil geochemical data and geochemical correlation coefficient data are displayed in Tables 1 and 2 respectfully. The sample locations, color coded by analytical certificate, are shown in Figure 4. The corresponding certificates are included in Appendix 3. The results for 10 elements (Au, Mo, Cu, Bi, Ag, Sb, As, Hg, Ba, Th) are shown on Figures 5a-5j. A compilation of the geochemical trends is presented in Figure 6. On each of the maps, 7 areas of notable geochemical anomalism are noted: Skookum Jim, Skookum Extension, Hackly Gold, NW Hackly, Gertie, Maisy May, Big Alex.

Tables 1 and 2 below present the summary statistics and correlation coefficients. The statistical analysis for the 2952 data points shows that the 98% percentile for gold is 83 ppb and that an anomalous value for gold at the mean (10.3 ppb) plus 2 standards of deviation (49 ppb) would be 108 ppb. Since it is generally accepted that in the White Gold District, gold values in the 10 - 20 ppb range are of interest, the traditional statistical treatment of anomalous would be too high to identify trends. The 90% percentile for gold at 15 ppb, is more consistent with values of regional significance. This discrepancy suggests that caution should be exercised in using only a statistical treatment of data to find meaning. Relief in the data, as demonstrated with profiles, may be more useful to targeting.

In Table 2 of the correlation coefficients, gold shows a moderate correlation with molybdenum (0.26). Among the stronger multi-element correlations are for the element groupings of lead-silver-bismuth-tellurim-mercury, and antimony-molybdenum-arsenic-mercury. Barium also shows stronger correlations nickel (0.54) and cobalt (0.41). While there is a lack of strong correlations between elements for the entire dataset, the distribution of element trends on the individual maps (Fig 5a-5j) and the compilation (Fig 6), indicate that stronger correlations occur within the seven domains.

The gold-in-soil results shown in Figure 5a define a broad area with peak gold values to 1570 ppb at the Skookum Jim anomaly. The anomaly is 600 wide x 1100 metres long and is open to the north and west, in unsampled areas of permafrost. The anomalism persists to the southwest as a prominent 3500 metre long trend, to include the Skookum Extension. Significant gold results in this area up to 512 ppb warrant additional followup and infill sampling to better define this trend. To the east of Skookum Jim, there are locally elevated gold results in areas of sporadic permafrost. Soil samples in the Hackly Gold, Maisy May and Big Alex areas also returned elevated gold results, which corroborate the anomalism noted by previous work.

TABLE 1: SOIL GEOCHEMICAL DATA STATISTICAL SUMMARY

Field	No.	Min	Max	Mean	Median	Range	Var	StdDev	25 pct	50 pct	75 pct	90 pct	95 pct	98 pct
Mo_ppm	2952	0.049	42.60	1.54	1.1	42.55	3.10	1.76	0.80	1.10	1.70	2.90	4.00	5.90
Cu_ppm	2952	3	751	33	24	748	1322	36	17	24	36	55	80	134
Pb_ppm	2952	1	1403	17	9	1401	2158	46	7	9	14	25	46	87
Zn_ppm	2952	18	1337	89	77	1319	2957	54	63	77	97	127	163	221
Ag_ppm	2952	0.049	5.60	0.12	0.049	5.55	0.05	0.21	0.05	0.05	0.10	0.30	0.40	0.60
Ni_ppm	2952	2.2	452.90	19.32	16	450.70	358.81	18.94	11.90	16.00	21.30	29.50	40.10	60.99
Co_ppm	2952	1.1	57.10	12.21	11.1	56.00	28.88	5.37	8.80	11.10	14.60	18.80	22.35	26.80
Mn_ppm	2952	29	4970	513	456	4941	75940	276	338	456	624	843	1014	1290
Fe%	2952	1.09	10.59	3.52	3.35	9.50	0.76	0.87	2.93	3.35	3.96	4.63	5.18	5.76
As_ppm	2952	0.249	558.60	8.07	5.5	558.35	253.08	15.91	3.90	5.50	7.80	13.00	21.55	36.50
U_ppm	2952	0.1	15.50	1.04	0.8	15.40	0.91	0.95	0.50	0.80	1.20	2.00	2.75	3.80
Au_ppb	2952	0.249	1570.40	10.32	2.6	1570.15	2435.00	49.35	1.20	2.60	5.90	15.10	32.85	83.26
Th_ppm	2952	0.3	40.10	5.84	4.4	39.80	20.10	4.48	2.90	4.40	7.50	11.60	14.95	18.80
Sr_ppm	2952	4	790.00	28.78	24	786.00	582.12	24.13	18.00	24.00	32.00	46.00	58.00	81.00
Cd_ppm	2952	0.049	2.10	0.12	0.049	2.05	0.02	0.15	0.05	0.05	0.10	0.20	0.35	0.50
Sb_ppm	2952	0.049	4.10	0.33	0.3	4.05	0.06	0.24	0.20	0.30	0.40	0.50	0.60	0.80
Bi_ppm	2952	0.049	46.00	0.34	0.1	45.95	2.03	1.42	0.05	0.10	0.20	0.50	1.10	2.60
V_ppm	2952	8	296	67	63	288	838	29	48	63	80	102	121	143
Ca%	2952	0.03	6.21	0.41	0.34	6.18	0.11	0.33	0.23	0.34	0.50	0.69	0.85	1.08
P%	2952	0.012	0.80	0.07	0.059	0.79	0.00	0.05	0.04	0.06	0.09	0.13	0.17	0.21
La_ppm	2952	1	158.00	17.84	15	157.00	155.50	12.47	10.00	15.00	22.00	31.00	39.00	51.00
Cr_ppm	2952	3	479.00	31.19	26	476.00	707.56	26.60	19.00	26.00	34.00	49.00	67.00	102.98
Mg%	2952	0.05	6.14	0.91	0.78	6.09	0.30	0.54	0.56	0.78	1.14	1.56	1.96	2.41
Ba_ppm	2952	70	3335	319	280	3265	32622	181	210	280	380	504	606	770
Ti%	2952	0.002	0.47	0.12	0.103	0.47	0.01	0.07	0.07	0.10	0.15	0.21	0.25	0.31
B_ppm	2952	0.49	10.00	1.04	1	9.51	0.58	0.76	0.49	1.00	1.00	2.00	2.00	3.00
Al%	2952	0.34	4.97	2.01	1.95	4.63	0.28	0.53	1.66	1.95	2.30	2.68	2.94	3.29
Na%	2952	0.002	0.18	0.02	0.014	0.18	0.00	0.01	0.01	0.01	0.02	0.03	0.03	0.06
K%	2952	0.04	3.81	0.32	0.21	3.77	0.09	0.29	0.12	0.21	0.40	0.70	0.93	1.17
W_ppm	2952	0.049	0.70	0.09	0.049	0.65	0.00	0.06	0.05	0.05	0.10	0.20	0.20	0.20
Hg_ppm	2952	0.0049	0.14	0.02	0.01	0.14	0.00	0.01	0.00	0.01	0.02	0.03	0.04	0.05
Sc_ppm	2952	0.8	28.00	4.87	4.1	27.20	8.12	2.85	3.00	4.10	5.80	8.40	10.60	13.50
Tl_ppm	2952	0.049	1.90	0.16	0.1	1.85	0.02	0.14	0.05	0.10	0.20	0.30	0.40	0.50
S%	2952	0.0249	0.87	0.04	0.0249	0.85	0.00	0.06	0.02	0.02	0.02	0.05	0.11	0.24
Ga_ppm	2952	1	21.00	6.64	6	20.00	4.42	2.10	5.00	6.00	8.00	9.00	10.00	12.00
Se_ppm	2952	0.249	18.30	0.43	0.249	18.05	0.52	0.72	0.25	0.25	0.25	0.70	1.00	2.30
Te_ppm	2952	0.099	15.80	0.28	0.099	15.70	0.51	0.71	0.10	0.10	0.20	0.99	0.99	1.00

TABLE 2: SOIL GEOCHEMICAL DATA CORRELATION COEFFICIENTS

	Mo	Cu	Pb	Zn	Ag	Ni	Mn	Fe	As	Au	Th	Sb	Bi	Ba	W	Hg	Te
Mo	1.00	0.18	0.18	0.11	0.19	-0.01	-0.07	0.01	0.12	0.26	0.18	0.27	0.16	-0.01	0.03	0.12	0.12
Cu	0.18	1.00	0.04	0.38	0.15	0.12	0.09	0.24	0.02	0.12	0.06	0.13	0.17	0.14	0.10	0.07	0.05
Pb	0.18	0.04	1.00	0.30	0.50	-0.04	-0.08	0.01	0.24	0.02	0.29	0.07	0.52	-0.07	-0.04	0.14	0.53
Zn	0.11	0.38	0.30	1.00	0.26	0.01	0.28	0.37	0.09	0.08	0.12	-0.03	0.24	0.08	0.01	-0.01	0.24
Ag	0.19	0.15	0.50	0.26	1.00	-0.04	-0.06	0.02	0.17	0.11	0.16	0.05	0.54	-0.03	-0.05	0.34	0.41
Ni	-0.01	0.12	-0.04	0.01	-0.04	1.00	0.19	0.23	-0.02	-0.01	0.07	0.06	-0.05	0.54	0.04	0.11	-0.04
Mn	-0.07	0.09	-0.08	0.28	-0.06	0.19	1.00	0.58	-0.09	0.00	-0.13	-0.09	-0.10	0.39	0.00	0.00	-0.07
Fe	0.01	0.24	0.01	0.37	0.02	0.23	0.58	1.00	-0.08	0.01	-0.12	-0.10	0.02	0.35	-0.02	-0.15	0.05
As	0.12	0.02	0.24	0.09	0.17	-0.02	-0.09	-0.08	1.00	0.02	0.24	0.22	0.18	-0.09	-0.02	0.07	0.17
Au	0.26	0.12	0.02	0.08	0.11	-0.01	0.00	0.01	0.02	1.00	0.02	0.11	0.04	0.03	0.01	0.15	0.04
Th	0.18	0.06	0.29	0.12	0.16	0.07	-0.13	-0.12	0.24	0.02	1.00	0.13	0.26	-0.04	-0.06	0.03	0.25
Sb	0.27	0.13	0.07	-0.03	0.05	0.06	-0.09	-0.10	0.22	0.11	0.13	1.00	0.05	0.03	0.12	0.24	0.03
Bi	0.16	0.17	0.52	0.24	0.54	-0.05	-0.10	0.02	0.18	0.04	0.26	0.05	1.00	-0.07	-0.03	0.13	0.63
Ba	-0.01	0.14	-0.07	0.08	-0.03	0.54	0.39	0.35	-0.09	0.03	-0.04	0.03	-0.07	1.00	-0.01	0.19	-0.06
W	0.03	0.10	-0.04	0.01	-0.05	0.04	0.00	-0.02	-0.02	0.01	-0.06	0.12	-0.03	-0.01	1.00	0.11	-0.04
Hg	0.12	0.07	0.14	-0.01	0.34	0.11	0.00	-0.15	0.07	0.15	0.03	0.24	0.13	0.19	0.11	1.00	0.02
Te	0.12	0.05	0.53	0.24	0.41	-0.04	-0.07	0.05	0.17	0.04	0.25	0.03	0.63	-0.06	-0.04	0.02	1.00

Other geochemical trends of interest include:

- 1) Molybdenum (Mo) (Figure 5b): Elevated molybdenum up to 25 ppm is characteristic of the Skookum Jim anomaly. Local highs in the Skookum Extension area returned a peak value of 43 ppm. Moderate values in the order of 3-6 ppm define a 3 kilometre long, WNW trend in the Gertie area.
- 2) Copper (Cu) (Figure 5c): Elevated copper up to 328 ppm is also characteristic of the Skookum Jim anomaly. Local highs in the Skookum Extension area returned up to 244 ppm. The highest copper values of up to 751 ppm are clustered in the NW Hackly area. More sporadic results occur in the Maisy May (to 587 ppm) and the Big Alex areas.
- 3) Bismuth (Bi) (Figure 5d): Strong bismuth values up to 12.3 ppm define > 2 kilometre long, parallel trends in the Gertie area. Moderate to strong bismuth values occur over a 500 x 800 metre area at Maisy May, and across Camp Creek to the northwest. Moderate to strong values up to 18 ppm also cluster in the NW Hackly area. Weak to moderate bismuth values in the Skookum Jim area define a narrow NNW trend.
- 4) Silver (Ag) (Figure 5e): Moderate silver values to 1.1 ppm are characteristic of both the Skookum Jim and NW Hacky areas. Towards the southeast end of the grid, at Hackly Gold, silver values are notably higher, as well. The northern WNW linear trend of the Gertie area is also well defined over 2 kilometres and a strong cluster to 5.6 ppm at Maisy May is similar to the distribution of Bismuth. Variably elevated silver results also appear to map the EW trending intrusive contact to the north of Camp Creek.
- 5) Antimony (Sb) (Figure 5f): Moderately strong antimony values up to 2.6 ppm are clustered over a 600 x 200 metre trend in the NW Hackly area. Locally elevated antimony up to 3.6 ppm occur in the Maisy May area.

- 6) Arsenic (As) (Figure 5g): Elevated arsenic values are only associated with soils in the NW Hackly, Gertie and Maisy May areas. In the Gertie area, arsenic results up to 558 ppm outline two converging WNW trends which extend over 3 kilometres in length. Into the Maisy May area, moderate arsenic values of up to 402 ppm occur over a 500 x 800 area which is similar to the extent of anomalous Bismuth.
- 7) Mercury (Hg) (Figure 5h): Anomalous mercury of up to 0.11 ppm was found in soils of the Maisy May area. A single site across Camp Creek returned 0.14 ppm.
- 8) Barium (Ba) (Figure 5i): Barium is widely distributed across the grid. Notable are the areas lacking in barium: Hackly Gold, the Gertie linears and Maisy May.
- 9) Thorium (Th) (Figure 5j): The strongest Thorium-in-soil values in the grid area coincide with the Gertie linear trends and the broader Maisy May trend. Values up to 43 ppm Th occur in an elevated background of 10 ppm. Higher thorium values also occur over a broad area to the NE of Skookum Jim, and into the NW Hackly area. In the Skookum Jim anomaly, weak thorium values of 4-10 are widespread.

CONCLUSIONS

- 1) The 2010 soil geochemical program has successfully identified several multi-element gold-in-soil anomalies over a 10 x 5 km grid area. To date, 7 areas of anomalism have been defined. The largest is the Skookum Jim anomaly, which is now 3500 metres long and up to 600 metres wide.
- 2) The level of gold anomalism at Skookum Jim and the peripheral targets is very good, in comparison to the results from other companies working the district. Untested permafrost areas on the flanks leave this anomaly open in several directions. The Mariposa grid area represents less than 25% of the entire property area. There remains much more upside in the rest of the property, as well.
- 3) From other workers (Kaminak, Kinross) in the area, we know that gold is mostly hosted in brittle structures. In such a setting, single point anomalies within the 100 x 50 metre spaced sampling can be significant. Follow-up and infill sampling is warranted to get a clearer picture of trends.
- 4) There is little outcrop exposure in the area of the Mariposa grid. The soil geochemical results will therefore be an expression of the underlying lithology and/or the effects of hydrothermal/mineralizing events. The permeability/porosity of units, as well as level of superimposed strain will affect the fluid paths and resulting soil signatures. The results from soils overlying the mapped QMS unit map a very prominent multi-element trend which continues over 5 kilometres. Elevated gold-in-soil sites are sporadic along these trends. It remains uncertain if it is due to the density of sampling or fluid flow paths.

- 5) The complex form and extent of the multi-element trends can be used together with magnetic and lineament data, to build testable structural models. Reconstructions can help to identify key traps to gold mineralization. The edges of some of the geochemical trends coincide with topographic and/or airborne magnetic lineaments which can be interpreted as structures.
- 6) The Skookum Jim anomaly is somewhat unique in its element signatures: it does not contain any notable arsenic, but is anomalous in molybdenum and lesser copper.
- 7) The Pb-Ag-As-Te-Bi-Sb+/-Hg multi-element signatures along the Gertie/Maisy May trends may reflect different elevations within a related hydrothermal system.

RECOMMENDATIONS

- 1) Compilation of topographic and airborne magnetic data is recommended, in conjunction with interpretation of the 2010 soil results.
- 2) Use the above data to plan first and/or second stage sampling programs with more focus than widely spaced soil grids. Use local trenching to generate exposure, to get a template for geochemical and geophysical signatures.
- 3) Conduct an orientation survey using different geochemical leaches, sample material, to test permafrost areas. Test XRF units and their calibrations.
- 4) Implement effective data collection and field QAQC procedures for soil sampling.
- 5) Consider isolated spot highs as potentially important. Follow up on anomalous values with prospecting and infill/detailed soil sampling in the NW Hackly, Skookum Extension, Skookum Jim and Maisy May areas. Soil sample along some spaced EW lines, to assess possible line bias.
- 6) Conduct geophysical surveying of the Mariposa Grid, either airborne magnetic or ground magnetic-VLF, EM to detect possible structures. Followup with detailed soil profiles over prospective signatures.
- 7) Conduct initial ridge and spur soil sampling over the new areas of the property.

REFERENCES

Geology Stewart River Area Map Sheet, 1:250,000 scale, Open File 4970.

Norman, G., 2010

Yukon Mining Incentive Program Proposal on the Mariposa Property.

Gordon G. Richard, 2010

Geochemical Report on the Mariposa Property

CERTIFICATE OF QUALIFICATIONS

I, Janice Fingler, of business address 1100-1199 West Hastings St, Vancouver, British Columbia, certify that:

1. I am a professional geologist registered with the association of Professional Engineers and Geoscientists of BC (21566)
2. I am a graduate of the University of Manitoba with a Bachelor of Science (Honors) degree in Geology (1985) and a Master of Science degree in Geology (1991).
3. I have practiced my profession continuously since 1985 and have been involved in projects and evaluations conducting exploration for precious and base metal deposits in Canada, Central and South America, and Russia.
4. I am responsible for the review of data and its presentation in the report entitled
“YUKON MINING INCENTIVE PROGRAM, 2010 GEOCHEMICAL PROGRAM on the MARIPOSA PROPERTY”.

Dated at Vancouver, BC, this 28th day of January, 2010

Janice Fingler, M.Sc, P. Geo.

APPENDIX 1**STATEMENT OF COSTS
YMIP ELIGIBLE EXPENDITURES**

Soil Sample Program Mariposa Project (Actuals)						Soil Sample Program Mariposa Project						Totals							
						Cost As per Allowed by YMIP Program Guidelines													
Mobilization	From	To	Days	Rate	Totals	From	To	Days	Rate	Totals									
<u>Fixed Wing Camp Mobilization</u>																			
SkyVan (Camp mobilization)	Jun-17	Jun-18			10,599.85		Jun-17	Jun-18											
Alkan Air (Camp Mobilization)	Jun-17				9750.00		Jun-17												
Alkan Air (Camp Mobilization)	Jun-18				5850.00		Jun-18												
Great River Air (Mobilization/ service)	Jun-17				1195.20		Jun-17												
Great River Air (Mobilization/ service)	Jun-18				597.12		Jun-18												
					\$ 27,992	as per proposed budget					\$ 12,000	\$ 12,000							
<u>Personnel Mobilation/Camp Building</u>																			
Michael Renning	Jun-15	Jun-18	4	350	1400		Jun-15	Jun-18	2	350	700								
Joe Van Belois	Jun-15	Jun-18	4	350	1400		Jun-15	Jun-18	2	350	700								
Hilda Reimer	Jun-16	Jun-18	3	400	1200		Jun-16	Jun-18	2	400	800								
George Norman	Jun-16	Jun-18	2.5	350	875		Jun-16	Jun-18	2	500	1000								
Kate Cameron	Jun-16	Jun-18	2.5	350	875		Jun-16	Jun-18	2	350	700								
Edward D. Drever	Jun-16	Jun-18	2.5	350	875		Jun-16	Jun-18	2	350	700								
					Totals \$ 6,625						Totals \$ 4,600		\$ 4,600						
<u>Future Metals Rentals/ Mob in and Out</u>						From	To	Days	Rate/day	Total Cost									
Truck Rental	Jun-16	Oct-10	2	125	250		Jun-16	Aug-08	2	50			100						
ATV (Rhino)	Jun-24	Aug-08	32	125	4000		Jun-24	Aug-08	32	75			2400						
Trailer	Jun-24	Oct-10	2	200	400		Jun-24	Aug-08	2	16	32								
					Totals \$ 4,650						Totals \$ 2,532	\$ 2,532	\$ 2,532						
<u>2 Polaris UTV's (Owned By Pacific Ridge)</u>						Jun-24	Aug-08				Jun-24	Aug-08	64	90	\$ 5,760	\$ 5,760	\$ 5,760		
SOIL SAMPLE PROGRAM						From	To	Days	Rate/day	Total Cost	SOIL SAMPLE PROGRAM			From	To	Days	Rate/day	Total Cost	
Personnel						Personnel													
Hilda Reimer (First Aid and Cook)	Jun-24	Jul-28	30	550	16500		Hilda Reimer (First Aid and Cook)	Jun-24	Jul-28	30	400	12000							
Karen Norman (field Tech)	Jun-24	Jul-14	21	375	7875		Karen Norman (field Tech)	Jun-24	Jul-14	21	350	7350							
Ducan Macleod (field Tech)	Jun-24	Jul-29	31	350	10850		Ducan Macleod (field Tech)	Jun-24	Jul-29	31	350	10850							
Jeff Mieras (field tech)	Jul-02	Jul-30	29	375	10875		Jeff Mieras (field tech)	Jul-02	Jul-30	29	350	10150							
Edward D. Drever (field Tech)	Jun-24	Jun-30	6	350	2100		Edward D. Drever (field Tech)	Jun-24	Jun-30	6	350	2100							
Bentia Elliott (field Tech)	Jun-24	Aug-08	32	350	11200		Bentia Elliott (field Tech)	Jun-24	Aug-08	32	350	11200							
Matthew McManus (field tech)	Jun-24	Aug-08	32	350	11200		Matthew McManus (field tech)	Jun-24	Aug-08	32	350	11200							
Joe Van Belois (field tech)	Jun-24	Jul-28	29	350	10150		Joe Van Belois (field tech)	Jun-24	Jul-28	29	350	10150							
					210 Totals \$ 80,750.00						210 Totals \$ 75,000				\$ 75,000				
					no. of samples Cost/sample						Actual Cost								
<u>ACME Labs Analyzes (soil samples analyses by 1DX2 ; estimation)</u>					2100 18 \$ 37,800.00	<u>ACME Labs Analyzes (soil samples analyses by 1DX2)</u>					2100 19.15 \$ 40,215	\$ 40,215			\$ 40,215				
Note that althought 2100 samples were taken approximately 2700 samples sites were visited but because of permafrost many samples could not be procurred. Also worth noting regarding production per sampler access around the property was by ATV and UTV (and not helicopter supported) along placer roads with many days with significant hiking required to and from sample lines. A portion of the work days were spent clearing moss to allow the permafrost to thaw.																			
<u>Camp Cost (Estimation)</u>					210 50 \$ 10,500.00	<u>Daily Living Cost/day/person</u>					210 100 \$ 21,000.00	\$ 21,000			\$ 21,000				
Grand Total					\$ 168,167	Grand Total								\$ 161,107.00					

APPENDIX 2**MARIPOSA PROPERTY
MINERAL CLAIMS LISTING**

District	MAP	Grant#	Label	Name	Numbr	Claim_type	Record Date	Stake Date	Expiry Date
Dawson	115J16	YD64152	AC 1	AC	1	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64153	AC 2	AC	2	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64154	AC 3	AC	3	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64155	AC 4	AC	4	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64156	AC 5	AC	5	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64157	AC 6	AC	6	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64158	AC 7	AC	7	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64159	AC 8	AC	8	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64160	AC 9	AC	9	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64161	AC 10	AC	10	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64162	AC 11	AC	11	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64163	AC 12	AC	12	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64164	AC 13	AC	13	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64165	AC 14	AC	14	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64166	AC 15	AC	15	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64167	AC 16	AC	16	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64168	AC 17	AC	17	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64169	AC 18	AC	18	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64170	AC 19	AC	19	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64171	AC 20	AC	20	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64172	AC 21	AC	21	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64173	AC 22	AC	22	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64174	AC 23	AC	23	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64175	AC 24	AC	24	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64176	AC 25	AC	25	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64177	AC 26	AC	26	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64178	AC 27	AC	27	Quartz	7/2/2010	6/7/2010	7/2/2011
Dawson	115J16	YD64179	AC 28	AC	28	Quartz	7/2/2010	6/7/2010	7/2/2011
Dawson	115J16	YD64180	AC 29	AC	29	Quartz	7/2/2010	6/7/2010	7/2/2011
Dawson	115J16	YD64181	AC 30	AC	30	Quartz	7/2/2010	6/7/2010	7/2/2011
Dawson	115J16	YD64182	AC 31	AC	31	Quartz	7/2/2010	6/7/2010	7/2/2011
Dawson	115J16	YD64183	AC 32	AC	32	Quartz	7/2/2010	6/7/2010	7/2/2011
Dawson	115J16	YD64184	AC 33	AC	33	Quartz	7/2/2010	6/7/2010	7/2/2011
Dawson	115J16	YD64185	AC 34	AC	34	Quartz	7/2/2010	6/7/2010	7/2/2011
Dawson	115J16	YD64186	AC 35	AC	35	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64187	AC 36	AC	36	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64188	AC 37	AC	37	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64189	AC 38	AC	38	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64190	AC 39	AC	39	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64191	AC 40	AC	40	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64192	AC 41	AC	41	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64193	AC 42	AC	42	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64194	AC 43	AC	43	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64195	AC 44	AC	44	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64196	AC 45	AC	45	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64197	AC 46	AC	46	Quartz	7/2/2010	6/5/2010	7/2/2011

District	MAP	Grant#	Label	Name	Numbr	Claim_type	Record Date	Stake Date	Expiry Date
Dawson	115J16	YD64198	AC 47	AC	47	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64199	AC 48	AC	48	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64200	AC 49	AC	49	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64201	AC 50	AC	50	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64202	AC 51	AC	51	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64203	AC 52	AC	52	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64204	AC 53	AC	53	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64205	AC 54	AC	54	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64206	AC 55	AC	55	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64207	AC 56	AC	56	Quartz	7/2/2010	6/5/2010	7/2/2011
Dawson	115J16	YD64208	AC 57	AC	57	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64209	AC 58	AC	58	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64210	AC 59	AC	59	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64211	AC 60	AC	60	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64212	AC 61	AC	61	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64213	AC 62	AC	62	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64214	AC 63	AC	63	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64215	AC 64	AC	64	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64216	AC 65	AC	65	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64217	AC 66	AC	66	Quartz	7/2/2010	6/6/2010	7/2/2011
Dawson	115J16	YD64219	AC 67	AC	67	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64220	AC 68	AC	68	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64221	AC 69	AC	69	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64222	AC 70	AC	70	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64223	AC 71	AC	71	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64224	AC 72	AC	72	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64225	AC 73	AC	73	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64226	AC 74	AC	74	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64227	AC 75	AC	75	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64228	AC 76	AC	76	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64229	AC 77	AC	77	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64230	AC 78	AC	78	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64231	AC 79	AC	79	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64232	AC 80	AC	80	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64233	AC 81	AC	81	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64234	AC 82	AC	82	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64235	AC 83	AC	83	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64236	AC 84	AC	84	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64237	AC 85	AC	85	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64238	AC 86	AC	86	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64239	AC 87	AC	87	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64240	AC 88	AC	88	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64241	AC 89	AC	89	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64242	AC 90	AC	90	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64243	AC 91	AC	91	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64244	AC 92	AC	92	Quartz	7/2/2010	6/11/2010	7/2/2011

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Dawson	115J16	YD64245	AC 93	AC	93	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64246	AC 94	AC	94	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64247	AC 95	AC	95	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64248	AC 96	AC	96	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64249	AC 97	AC	97	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64250	AC 98	AC	98	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64253	AC 99	AC	99	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64254	AC 100	AC	100	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64255	AC 101	AC	101	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64256	AC 102	AC	102	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64257	AC 103	AC	103	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64258	AC 104	AC	104	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64259	AC 105	AC	105	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64260	AC 106	AC	106	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64261	AC 107	AC	107	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64262	AC 108	AC	108	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64263	AC 109	AC	109	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64264	AC 110	AC	110	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64265	AC 111	AC	111	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64266	AC 112	AC	112	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64267	AC 113	AC	113	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64268	AC 114	AC	114	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64269	AC 115	AC	115	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64270	AC 116	AC	116	Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64271	AC 117	AC	117	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64272	AC 118	AC	118	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64273	AC 119	AC	119	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64274	AC 120	AC	120	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64275	AC 121	AC	121	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64276	AC 122	AC	122	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64277	AC 123	AC	123	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64278	AC 124	AC	124	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64279	AC 125	AC	125	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64280	AC 126	AC	126	Quartz	7/2/2010	6/11/2010	7/2/2011
Dawson	115J16	YD64251	AC 97A	AC97A		Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115J16	YD64252	AC 98A	AC98A		Quartz	7/2/2010	6/10/2010	7/2/2011
Dawson	115O02	YD16601	AP 1	AP	1	Quartz	7/30/2010	7/29/2010	7/30/2011
Dawson	115O02	YD16602	AP 2	AP	2	Quartz	7/30/2010	7/29/2010	7/30/2011
Dawson	115O02	YD16603	AP 3	AP	3	Quartz	7/30/2010	7/29/2010	7/30/2011
Dawson	115O02	YD16604	AP 4	AP	4	Quartz	7/30/2010	7/29/2010	7/30/2011
Dawson	115O02	YD16605	AP 5	AP	5	Quartz	7/30/2010	7/29/2010	7/30/2011
Dawson	115O02	YD16606	AP 6	AP	6	Quartz	7/30/2010	7/29/2010	7/30/2011
Dawson	115O02	YD16607	AP 7	AP	7	Quartz	7/30/2010	7/29/2010	7/30/2011
Dawson	115O02	YD16608	AP 8	AP	8	Quartz	7/30/2010	7/29/2010	7/30/2011
Dawson	115O02	YD16609	AP 9	AP	9	Quartz	7/30/2010	7/29/2010	7/30/2011
Dawson	115O02	YD16610	AP 10	AP	10	Quartz	7/30/2010	7/29/2010	7/30/2011

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Dawson	115002	YD16611	AP 11	AP	11	Quartz	7/30/2010	7/29/2010	7/30/2011
Dawson	115002	YD16612	AP 12	AP	12	Quartz	7/30/2010	7/29/2010	7/30/2011
Dawson	115002	YD16613	AP 13	AP	13	Quartz	8/9/2010	7/31/2010	8/9/2011
Dawson	115002	YD16614	AP 14	AP	14	Quartz	8/9/2010	7/31/2010	8/9/2011
Dawson	115002	YD16615	AP 15	AP	15	Quartz	8/9/2010	7/31/2010	8/9/2011
Dawson	115002	YD16616	AP 16	AP	16	Quartz	8/9/2010	7/31/2010	8/9/2011
Dawson	115002	YD16617	AP 17	AP	17	Quartz	8/9/2010	7/31/2010	8/9/2011
Dawson	115002	YD16618	AP 18	AP	18	Quartz	8/9/2010	7/31/2010	8/9/2011
Dawson	115002	YD16619	AP 19	AP	19	Quartz	8/9/2010	7/31/2010	8/9/2011
Dawson	115002	YD16620	AP 20	AP	20	Quartz	8/9/2010	7/31/2010	8/9/2011
Dawson	115002	YD16621	AP 21	AP	21	Quartz	8/17/2010	8/7/2010	8/17/2011
Dawson	115002	YD16623	AP 23	AP	23	Quartz	8/17/2010	8/7/2010	8/17/2011
Dawson	115002	YD16624	AP 24	AP	24	Quartz	8/17/2010	8/7/2010	8/17/2011
Dawson	115002	YD16625	AP 25	AP	25	Quartz	8/17/2010	8/7/2010	8/17/2011
Dawson	115002	YD16626	AP 26	AP	26	Quartz	8/17/2010	8/7/2010	8/17/2011
Dawson	115002	YD16627	AP 27	AP	27	Quartz	8/17/2010	8/7/2010	8/17/2011
Dawson	115002	YD16628	AP 28	AP	28	Quartz	8/17/2010	8/7/2010	8/17/2011
Dawson	115002	YD16629	AP 29	AP	29	Quartz	8/17/2010	8/5/2010	8/17/2011
Dawson	115002	YD16630	AP 30	AP	30	Quartz	8/17/2010	8/5/2010	8/17/2011
Dawson	115002	YD16630	AP 30	AP	30	Quartz	8/17/2010	8/5/2010	8/17/2011
Dawson	115002	YD16632	AP 32	AP	32	Quartz	8/17/2010	8/5/2010	8/17/2011
Dawson	115002	YD16633	AP 33	AP	33	Quartz	8/17/2010	8/5/2010	8/17/2011
Dawson	115002	YD16634	AP 34	AP	34	Quartz	8/17/2010	8/5/2010	8/17/2011
Dawson	115002	YD16635	AP 35	AP	35	Quartz	8/17/2010	8/6/2010	8/17/2011
Dawson	115002	YD16635	AP 35	AP	35	Quartz	8/17/2010	8/6/2010	8/17/2011
Dawson	115002	YD16636	AP 36	AP	36	Quartz	8/17/2010	8/6/2010	8/17/2011
Dawson	115002	YD16637	AP 37	AP	37	Quartz	8/17/2010	8/6/2010	8/17/2011
Dawson	115002	YD16639	AP 39	AP	39	Quartz	8/17/2010	8/6/2010	8/17/2011
Dawson	115002	YD16640	AP 40	AP	40	Quartz	8/17/2010	8/6/2010	8/17/2011
Dawson	115002	YD30265	CAB1	Cab	1	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30266	CAB2	Cab	2	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30267	CAB3	Cab	3	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30268	CAB4	Cab	4	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30269	CAB5	Cab	5	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30270	CAB6	Cab	6	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30271	CAB7	Cab	7	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30272	CAB8	Cab	8	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30273	CAB9	Cab	9	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30274	CAB10	Cab	10	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30275	CAB 11	Cab	11	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30276	CAB 12	Cab	12	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30277	CAB 13	Cab	13	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30278	CAB 14	Cab	14	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30279	CAB 15	Cab	15	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30280	CAB 16	Cab	16	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30281	CAB 17	Cab	17	Quartz	8/24/2010	8/22/2010	8/24/2011

District	MAP	Grant#	Label	N ame	Numbr	claim_type	Record Date	Stake Date	Expiry Date
Dawson	115002	YD30282	CAB 18	Cab	18	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30283	CAB 19	Cab	19	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30284	CAB 20	Cab	20	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30285	CAB 21	Cab	21	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30286	CAB 22	Cab	22	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30287	CAB 23	Cab	23	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30288	CAB 24	Cab	24	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30289	CAB 25	Cab	25	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30290	CAB 26	Cab	26	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30291	CAB 27	Cab	27	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30292	CAB 28	Cab	28	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30293	CAB 29	Cab	29	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YD30294	CAB 30	Cab	30	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115002	YC63021	CIGAR 1	Cigar	1	Quartz	10/23/2007	10/9/2007	2/15/2015
Dawson	115002	YC63022	CIGAR 2	Cigar	2	Quartz	10/23/2007	10/9/2007	2/15/2015
Dawson	115002	YC63023	CIGAR 3	Cigar	3	Quartz	10/23/2007	10/9/2007	2/15/2015
Dawson	115002	YC63024	CIGAR 4	Cigar	4	Quartz	10/23/2007	10/9/2007	2/15/2015
Dawson	115002	YC63025	CIGAR 5	Cigar	5	Quartz	10/23/2007	10/9/2007	2/15/2015
Dawson	115002	YC63026	CIGAR 6	Cigar	6	Quartz	10/23/2007	10/9/2007	2/15/2015
Dawson	115002	YC63027	CIGAR 7	Cigar	7	Quartz	10/23/2007	10/9/2007	2/15/2015
Dawson	115002	YC63028	CIGAR 8	Cigar	8	Quartz	10/23/2007	10/9/2007	2/15/2015
Dawson	115002	YC63029	CIGAR 9	Cigar	9	Quartz	10/23/2007	10/9/2007	2/15/2015
Dawson	115002	YC63030	CIGAR 10	Cigar	10	Quartz	10/23/2007	10/9/2007	2/15/2015
Dawson	115002	YC63031	CIGAR 11	Cigar	11	Quartz	10/23/2007	10/9/2007	2/15/2015
Dawson	115002	YC63032	CIGAR 12	Cigar	12	Quartz	10/23/2007	10/9/2007	2/15/2015
Dawson	116B03	YD07758	CRIP 1	Crip	1	Quartz	9/8/2009	9/6/2009	9/8/2014
Dawson	116B03	YD07759	CRIP 2	Crip	2	Quartz	9/8/2009	9/6/2009	9/8/2014
Dawson	116B03	YD07760	CRIP 3	Crip	3	Quartz	9/8/2009	9/6/2009	9/8/2014
Dawson	116B03	YD07761	CRIP 4	Crip	4	Quartz	9/8/2009	9/6/2009	9/8/2014
Dawson	116B03	YD07762	CRIP 5	Crip	5	Quartz	9/8/2009	9/6/2009	9/8/2014
Dawson	116B03	YD07763	CRIP 6	Crip	6	Quartz	9/8/2009	9/6/2009	9/8/2014
Dawson	116B03	YD11909	CRIP 7	Crip	7	Quartz	7/26/2010	7/23/2010	7/26/2011
Dawson	116B03	YD11910	CRIP 8	Crip	8	Quartz	7/26/2010	7/23/2010	7/26/2011
Dawson	116B03	YD11911	CRIP 9	Crip	9	Quartz	7/26/2010	7/23/2010	7/26/2011
Dawson	116B03	YD11912	CRIP 10	Crip	10	Quartz	7/26/2010	7/23/2010	7/26/2011
Dawson	116B03	YD11913	CRIP 11	Crip	11	Quartz	7/26/2010	7/23/2010	7/26/2011
Dawson	116B03	YD11914	CRIP 12	Crip	12	Quartz	7/26/2010	7/23/2010	7/26/2011
Dawson	116B03	YD11915	CRIP 13	Crip	13	Quartz	7/26/2010	7/24/2010	7/26/2011
Dawson	116B03	YD11916	CRIP 14	Crip	14	Quartz	7/26/2010	7/24/2010	7/26/2011
Dawson	116B03	YD11936	CRIP 15	Crip	15	Quartz	8/3/2010	8/2/2010	8/3/2011
Dawson	116B03	YD11937	CRIP 16	Crip	16	Quartz	8/3/2010	8/2/2010	8/3/2011
Dawson	116B03	YD11938	CRIP 17	Crip	17	Quartz	8/3/2010	8/2/2010	8/3/2011
Dawson	116B03	YD11901	CRIP 18	Crip	18	Quartz	8/3/2010	7/31/2010	8/3/2011
Dawson	116B03	YD11902	CRIP 19	Crip	19	Quartz	8/3/2010	7/31/2010	8/3/2011
Dawson	116B03	YD11903	CRIP 20	Crip	20	Quartz	8/3/2010	7/31/2010	8/3/2011
Dawson	116B03	YD11904	CRIP 21	Crip	21	Quartz	8/3/2010	7/31/2010	8/3/2011

District	MAP	Grant#	Label	N ame	Numbr	claim_type	Record Date	Stake Date	Expiry Date
Dawson	116B03	YD11905	CRIP 22	Crip	22	Quartz	8/3/2010	7/31/2010	8/3/2011
Dawson	116B03	YD11906	CRIP 23	Crip	23	Quartz	8/3/2010	7/31/2010	8/3/2011
Dawson	116B03	YD11907	CRIP 24	Crip	24	Quartz	8/3/2010	7/30/2010	8/3/2011
Dawson	116B03	YD11908	CRIP 25	Crip	25	Quartz	8/3/2010	7/30/2010	8/3/2011
Dawson	116B03	YD11930	CRIP 26	Crip	26	Quartz	8/3/2010	8/1/2010	8/3/2011
Dawson	116B03	YD11931	CRIP 27	Crip	27	Quartz	8/3/2010	8/1/2010	8/3/2011
Dawson	116B03	YD11932	CRIP 28	Crip	28	Quartz	8/3/2010	8/1/2010	8/3/2011
Dawson	116B03	YD11933	CRIP 29	Crip	29	Quartz	8/3/2010	8/1/2010	8/3/2011
Dawson	116B03	YD11934	CRIP 30	Crip	30	Quartz	8/3/2010	8/1/2010	8/3/2011
Dawson	116B03	YD11935	CRIP 31	Crip	31	Quartz	8/3/2010	8/1/2010	8/3/2011
Dawson	116B03	YD11939	CRIP 32	Crip	32	Quartz	8/3/2010	8/2/2010	8/3/2011
Dawson	116B03	YD11940	CRIP 33	Crip	33	Quartz	8/3/2010	8/3/2010	8/3/2011
Dawson	116B03	YD11941	CRIP 34	Crip	34	Quartz	8/3/2010	8/3/2010	8/3/2011
Dawson	115O14	YD92424	CRIP 35	Crip	35	Quartz	10/8/2010	10/7/2010	10/8/2011
Dawson	115O14	YD92425	CRIP 36	Crip	36	Quartz	10/8/2010	10/7/2010	10/8/2011
Dawson	115O14	YD92426	CRIP 37	Crip	37	Quartz	10/8/2010	10/7/2010	10/8/2011
Dawson	115O14	YD92427	CRIP 38	Crip	38	Quartz	10/8/2010	10/7/2010	10/8/2011
Dawson	115O14	YD92428	CRIP 39	Crip	39	Quartz	10/8/2010	10/7/2010	10/8/2011
Dawson	115O14	YD92429	CRIP 40	Crip	40	Quartz	10/8/2010	10/7/2010	10/8/2011
Dawson	115O14	YD92430	CRIP 41	Crip	41	Quartz	10/8/2010	10/7/2010	10/8/2011
Dawson	115O14	YD92431	CRIP 42	Crip	42	Quartz	10/8/2010	10/7/2010	10/8/2011
Dawson	115O14	YD92432	CRIP 43	Crip	43	Quartz	10/8/2010	10/7/2010	10/8/2011
Dawson	115J16	YD08187	DORA 1	Dora	1	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08188	DORA 2	Dora	2	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08189	DORA 3	Dora	3	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08190	DORA 4	Dora	4	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08191	DORA 5	Dora	5	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08192	DORA 6	Dora	6	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08193	DORA 7	Dora	7	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08194	DORA 8	Dora	8	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08195	DORA 9	Dora	9	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08196	DORA 10	Dora	10	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08197	DORA 11	Dora	11	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08198	DORA 12	Dora	12	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD31560	DORA 23	Dora	23	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD31561	DORA 24	Dora	24	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD31562	DORA 25	Dora	25	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD31563	DORA 26	Dora	26	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD31564	DORA 27	Dora	27	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD31565	DORA 28	Dora	28	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD64292	DORA 29	Dora	29	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD64293	DORA 30	Dora	30	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD08101	FLORA 1	Flora	1	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08102	FLORA 2	Flora	2	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08103	FLORA 3	Flora	3	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08104	FLORA 4	Flora	4	Quartz	9/24/2009	9/21/2009	2/15/2015

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Dawson	115J16	YD08105	FLORA 5	Flora	5	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08106	FLORA 6	Flora	6	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08107	FLORA 7	Flora	7	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08108	FLORA 8	Flora	8	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08109	FLORA 9	Flora	9	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08110	FLORA 10	Flora	10	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08111	FLORA 11	Flora	11	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08112	FLORA 12	Flora	12	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08113	FLORA 13	Flora	13	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08114	FLORA 14	Flora	14	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08115	FLORA 15	Flora	15	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08116	FLORA 16	Flora	16	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08117	FLORA 17	Flora	17	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08118	FLORA 18	Flora	18	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08119	FLORA 19	Flora	19	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08120	FLORA 20	Flora	20	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08121	FLORA 21	Flora	21	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08122	FLORA 22	Flora	22	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08123	FLORA 23	Flora	23	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08124	FLORA 24	Flora	24	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08125	FLORA 25	Flora	25	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08126	FLORA 26	Flora	26	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08127	FLORA 27	Flora	27	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08128	FLORA 28	Flora	28	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08129	FLORA 29	Flora	29	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08130	FLORA 30	Flora	30	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08131	FLORA 31	Flora	31	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08132	FLORA 32	Flora	32	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08133	FLORA 33	Flora	33	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08134	FLORA 34	Flora	34	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08135	FLORA 35	Flora	35	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J16	YD08136	FLORA 36	Flora	36	Quartz	9/24/2009	9/21/2009	2/15/2015
Dawson	115J15	YD08141	GERTIE 1	Gertie	1	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08142	GERTIE 2	Gertie	2	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08143	GERTIE 3	Gertie	3	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08144	GERTIE 4	Gertie	4	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08145	GERTIE 5	Gertie	5	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08146	GERTIE 6	Gertie	6	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08147	GERTIE 7	Gertie	7	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08148	GERTIE 8	Gertie	8	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08149	GERTIE 9	Gertie	9	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08150	GERTIE 10	Gertie	10	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08151	GERTIE 11	Gertie	11	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08152	GERTIE 12	Gertie	12	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08153	GERTIE 13	Gertie	13	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08154	GERTIE 14	Gertie	14	Quartz	9/24/2009	9/20/2009	2/15/2015

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Dawson	115J15	YD08155	GERTIE 15	Gertie	15	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08156	GERTIE 16	Gertie	16	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08157	GERTIE 17	Gertie	17	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08158	GERTIE 18	Gertie	18	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08159	GERTIE 19	Gertie	19	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08160	GERTIE 20	Gertie	20	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08161	GERTIE 21	Gertie	21	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08162	GERTIE 22	Gertie	22	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08163	GERTIE 23	Gertie	23	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08164	GERTIE 24	Gertie	24	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08165	GERTIE 25	Gertie	25	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08166	GERTIE 26	Gertie	26	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08167	GERTIE 27	Gertie	27	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08168	GERTIE 28	Gertie	28	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08169	GERTIE 29	Gertie	29	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08170	GERTIE 30	Gertie	30	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08171	GERTIE 31	Gertie	31	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08172	GERTIE 32	Gertie	32	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08173	GERTIE 33	Gertie	33	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08174	GERTIE 34	Gertie	34	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08175	GERTIE 35	Gertie	35	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08176	GERTIE 36	Gertie	36	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08177	GERTIE 37	Gertie	37	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08178	GERTIE 38	Gertie	38	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08179	GERTIE 39	Gertie	39	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08180	GERTIE 40	Gertie	40	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08181	GERTIE 41	Gertie	41	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08182	GERTIE 42	Gertie	42	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08183	GERTIE 43	Gertie	43	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08184	GERTIE 44	Gertie	44	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08185	GERTIE 45	Gertie	45	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115J15	YD08186	GERTIE 46	Gertie	46	Quartz	9/24/2009	9/20/2009	2/15/2015
Dawson	115O02	YD64281	LOT 1	Lot	1	Quartz	7/2/2010	6/29/2010	7/2/2011
Dawson	115J15	YD30031	LOU 1	Lou	1	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30032	LOU 2	Lou	2	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30033	LOU 3	Lou	3	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30034	LOU 4	Lou	4	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30035	LOU 5	Lou	5	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30036	LOU 6	Lou	6	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30037	LOU 7	Lou	7	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30038	LOU 8	Lou	8	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30039	LOU 9	Lou	9	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30040	LOU 10	Lou	10	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30041	LOU 11	Lou	11	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30042	LOU 12	Lou	12	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30043	LOU 13	Lou	13	Quartz	8/24/2010	8/19/2010	8/24/2011

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Dawson	115J15	YD30044	LOU 14	Lou	14	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30045	LOU 15	Lou	15	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30046	LOU 16	Lou	16	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30047	LOU 17	Lou	17	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30048	LOU 18	Lou	18	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30049	LOU 19	Lou	19	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30050	LOU 20	Lou	20	Quartz	8/24/2010	8/19/2010	8/24/2011
Dawson	115J15	YD30051	LOU 21	Lou	21	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30052	LOU 22	Lou	22	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30053	LOU 23	Lou	23	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30054	LOU 24	Lou	24	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30055	LOU 25	Lou	25	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30056	LOU 26	Lou	26	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30057	LOU 27	Lou	27	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30058	LOU 28	Lou	28	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30059	LOU 29	Lou	29	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30060	LOU 30	Lou	30	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30061	LOU 31	Lou	31	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30062	LOU 32	Lou	32	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30063	LOU 33	Lou	33	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30064	LOU 34	Lou	34	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30065	LOU 35	Lou	35	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30066	LOU 36	Lou	36	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30067	LOU 37	Lou	37	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30068	LOU 38	Lou	38	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30069	LOU 39	Lou	39	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30070	LOU 40	Lou	40	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30071	LOU 41	Lou	41	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30072	LOU 42	Lou	42	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30073	LOU 43	Lou	43	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30074	LOU 44	Lou	44	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30075	LOU 45	Lou	45	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30076	LOU 46	Lou	46	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30077	LOU 47	Lou	47	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30078	LOU 48	Lou	48	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30079	LOU 49	Lou	49	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30080	LOU 50	Lou	50	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30081	LOU 51	Lou	51	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30082	LOU 52	Lou	52	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30083	LOU 53	Lou	53	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30084	LOU 54	Lou	54	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30085	LOU 55	Lou	55	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30086	LOU 56	Lou	56	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30087	LOU 57	Lou	57	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30088	LOU 58	Lou	58	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30089	LOU 59	Lou	59	Quartz	8/24/2010	8/22/2010	8/24/2011

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Dawson	115J15	YD30090	LOU 60	Lou	60	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30091	LOU 61	Lou	61	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30092	LOU 62	Lou	62	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30093	LOU 63	Lou	63	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30094	LOU 64	Lou	64	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30095	LOU 65	Lou	65	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30096	LOU 66	Lou	66	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30097	LOU 67	Lou	67	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30098	LOU 68	Lou	68	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30099	LOU 69	Lou	69	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30100	LOU 70	Lou	70	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30101	LOU 71	Lou	71	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30102	LOU 72	Lou	72	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30103	LOU 73	Lou	73	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30104	LOU 74	Lou	74	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30105	LOU 75	Lou	75	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30106	LOU 76	Lou	76	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30107	LOU 77	Lou	77	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30108	LOU 78	Lou	78	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30109	LOU 79	Lou	79	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30110	LOU 80	Lou	80	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30111	LOU 81	Lou	81	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30112	LOU 82	Lou	82	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30113	LOU 83	Lou	83	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30114	LOU 84	Lou	84	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30115	LOU 85	Lou	85	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30116	LOU 86	Lou	86	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30117	LOU 87	Lou	87	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30118	LOU 88	Lou	88	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30119	LOU 89	Lou	89	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30120	LOU 90	Lou	90	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30121	LOU 91	Lou	91	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30122	LOU 92	Lou	92	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30123	LOU 93	Lou	93	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30124	LOU 94	Lou	94	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30125	LOU 95	Lou	95	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30126	LOU 96	Lou	96	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30127	LOU 97	Lou	97	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30128	LOU 98	Lou	98	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30129	LOU 99	Lou	99	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30130	LOU 100	Lou	100	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30131	LOU 101	Lou	101	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30132	LOU 102	Lou	102	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30133	LOU 103	Lou	103	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30134	LOU 104	Lou	104	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30135	LOU 105	Lou	105	Quartz	8/24/2010	8/21/2010	8/24/2011

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Dawson	115J15	YD30136	LOU 106	Lou	106	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30137	LOU 107	Lou	107	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30138	LOU 108	Lou	108	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30139	LOU 109	Lou	109	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30140	LOU 110	Lou	110	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J16	YD30141	LOU 111	Lou	111	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30142	LOU 112	Lou	112	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30143	LOU113	Lou	113	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30144	LOU114	Lou	114	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30145	LOU115	Lou	115	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30146	LOU116	Lou	116	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30147	LOU117	Lou	117	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30148	LOU118	Lou	118	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30149	LOU119	Lou	119	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30150	LOU120	Lou	120	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J15	YD30151	LOU 121	Lou	121	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30152	LOU 122	Lou	122	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30153	LOU 123	Lou	123	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30154	LOU 124	Lou	124	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30155	LOU 125	Lou	125	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30156	LOU 126	Lou	126	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30157	LOU 127	Lou	127	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30158	LOU 128	Lou	128	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30159	LOU 129	Lou	129	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30160	LOU 130	Lou	130	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30161	LOU 131	Lou	131	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30162	LOU 132	Lou	132	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30163	LOU 133	Lou	133	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30164	LOU 134	Lou	134	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30165	LOU 135	Lou	135	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30166	LOU 136	Lou	136	Quartz	8/24/2010	8/20/2010	8/24/2011
Dawson	115J15	YD30167	LOU 137	Lou	137	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30168	LOU 138	Lou	138	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30169	LOU 139	Lou	139	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30170	LOU 140	Lou	140	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30171	LOU 141	Lou	141	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30172	LOU 142	Lou	142	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30173	LOU 143	Lou	143	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30174	LOU 144	Lou	144	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30175	LOU 145	Lou	145	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30176	LOU 146	Lou	146	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30177	LOU 147	Lou	147	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30178	LOU 148	Lou	148	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30179	LOU 149	Lou	149	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30180	LOU 150	Lou	150	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30181	LOU 151	Lou	151	Quartz	8/24/2010	8/21/2010	8/24/2011

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Dawson	115J15	YD30182	LOU 152	Lou	152	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30183	LOU 153	Lou	153	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30184	LOU 154	Lou	154	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J16	YD30185	LOU 155	Lou	155	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J16	YD30186	LOU 156	Lou	156	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J16	YD30187	LOU 157	Lou	157	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30188	LOU 158	Lou	158	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30189	LOU 159	Lou	159	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30190	LOU 160	Lou	160	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30191	LOU 161	Lou	161	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30192	LOU 162	Lou	162	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30193	LOU 163	Lou	163	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30194	LOU 164	Lou	164	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30195	LOU 165	Lou	165	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30196	LOU 166	Lou	166	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30197	LOU 167	Lou	167	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30198	LOU 168	Lou	168	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30199	LOU 169	Lou	169	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30200	LOU 170	Lou	170	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30201	LOU 171	Lou	171	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30202	LOU 172	Lou	172	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30203	LOU 173	Lou	173	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30204	LOU 174	Lou	174	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30205	LOU 175	Lou	175	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30206	LOU 176	Lou	176	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30207	LOU 177	Lou	177	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30208	LOU 178	Lou	178	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30209	LOU 179	Lou	179	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30210	LOU 180	Lou	180	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30211	LOU 181	Lou	181	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30212	LOU 182	Lou	182	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30213	LOU 183	Lou	183	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30214	LOU 184	Lou	184	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30215	LOU 185	Lou	185	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30216	LOU 186	Lou	186	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30217	LOU 187	Lou	187	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30218	LOU 188	Lou	188	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30219	LOU 189	Lou	189	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30220	LOU 190	Lou	190	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30221	LOU 191	Lou	191	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30222	LOU 192	Lou	192	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30223	LOU 193	Lou	193	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30224	LOU 194	Lou	194	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30225	LOU 195	Lou	195	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30226	LOU 196	Lou	196	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30227	LOU 197	Lou	197	Quartz	8/24/2010	8/21/2010	8/24/2011

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Dawson	115J15	YD30228	LOU 198	Lou	198	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J15	YD30229	LOU 199	Lou	199	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J15	YD30230	LOU 200	Lou	200	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30231	LOU 201	Lou	201	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30232	LOU 202	Lou	202	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30233	LOU 203	Lou	203	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30234	LOU 204	Lou	204	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30235	LOU 205	Lou	205	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30236	LOU 206	Lou	206	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30237	LOU 207	Lou	207	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30238	LOU 208	Lou	208	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30239	LOU 209	Lou	209	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30240	LOU 210	Lou	210	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30241	LOU 211	Lou	211	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30242	LOU 212	Lou	212	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30243	LOU 213	Lou	213	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30244	LOU 214	Lou	214	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30245	LOU 215	Lou	215	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30246	LOU 216	Lou	216	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30247	LOU 217	Lou	217	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30248	LOU 218	Lou	218	Quartz	8/24/2010	8/22/2010	8/24/2011
Dawson	115J16	YD30249	LOU 219	Lou	219	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30250	LOU 220	Lou	220	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30251	LOU 221	Lou	221	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30252	LOU 222	Lou	222	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30307	LOU 237	Lou	237	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30308	LOU 238	Lou	238	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30309	LOU 239	Lou	239	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30310	LOU 240	Lou	240	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115O01	YD64301	PM 1	PM	1	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64302	PM 2	PM	2	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64303	PM 3	PM	3	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64304	PM 4	PM	4	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64305	PM 5	PM	5	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64306	PM 6	PM	6	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64307	PM 7	PM	7	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64308	PM 8	PM	8	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64309	PM 9	PM	9	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64310	PM 10	PM	10	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64311	PM 11	PM	11	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64312	PM 12	PM	12	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64313	PM 13	PM	13	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64314	PM 14	PM	14	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64315	PM 15	PM	15	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64316	PM 16	PM	16	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64317	PM 17	PM	17	Quartz	8/24/2010	8/21/2010	8/24/2011

District	MAP	Grant#	Label	N ame	Numbr	claim_type	Record Date	Stake Date	Expiry Date
Dawson	115O01	YD64318	PM 18	PM	18	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64319	PM 19	PM	19	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64320	PM 20	PM	20	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64321	PM 21	PM	21	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64322	PM 22	PM	22	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64323	PM 23	PM	23	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115O01	YD64324	PM 24	PM	24	Quartz	8/24/2010	8/21/2010	8/24/2011
Dawson	115J16	YD31521	QE 1	QE	1	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31522	QE 2	QE	2	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31523	QE 3	QE	3	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31525	QE 5	QE	5	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31526	QE 6	QE	6	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31527	QE 7	QE	7	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31528	QE 8	QE	8	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31529	QE 9	QE	9	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31530	QE 10	QE	10	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31531	QE 11	QE	11	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31532	QE 12	QE	12	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31533	QE 13	QE	13	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30316	QE 14	QE	14	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30315	QE 15	QE	15	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30318	QE 16	QE	16	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30317	QE 17	QE	17	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30320	QE 18	QE	18	Quartz	8/26/2010	8/23/2010	8/26/2011
Dawson	115J16	YD30319	QE 19	QE	19	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30322	QE 20	QE	20	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30321	QE 21	QE	21	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30324	QE 22	QE	22	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30323	QE 23	QE	23	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30326	QE 24	QE	24	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30325	QE 25	QE	25	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30328	QE 26	QE	26	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30327	QE 27	QE	27	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30330	QE 28	QE	28	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30329	QE 29	QE	29	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30332	QE 30	QE	30	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30331	QE 31	QE	31	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30334	QE 32	QE	32	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30333	QE 33	QE	33	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30336	QE 34	QE	34	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30335	QE 35	QE	35	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30338	QE 36	QE	36	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30337	QE 37	QE	37	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30340	QE 38	QE	38	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30339	QE 39	QE	39	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD30342	QE 40	QE	40	Quartz	8/24/2010	8/23/2010	8/24/2011

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Dawson	115J16	YD30341	QE 41	QE	41	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31545	QE 42	QE	42	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD31517	QE 43	QE	43	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31518	QE 44	QE	44	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31519	QE 45	QE	45	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31536	QE 46	QE	46	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31537	QE 47	QE	47	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31538	QE 48	QE	48	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD31539	QE 49	QE	49	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD31546	QE 50	QE	50	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD31547	QE 51	QE	51	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD31548	QE 52	QE	52	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD31549	QE 53	QE	53	Quartz	9/1/2010	8/29/2010	9/1/2011
Dawson	115J16	YD31540	QE 54	QE	54	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31520	QE 55	QE	55	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31541	QE 56	QE	56	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31542	QE 57	QE	57	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31543	QE 58	QE	58	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115J16	YD31516	QE 59	QE	59	Quartz	8/24/2010	8/23/2010	8/24/2011
Dawson	115O02	YC17658	RUM RUN 1	Rum Run	1	Quartz	9/16/1999	9/9/1999	2/15/2018
Dawson	115O02	YC17660	RUM RUN 3	Rum Run	3	Quartz	9/16/1999	9/10/1999	2/15/2018
Dawson	115O02	YC17661	RUM RUN 4	Rum Run	4	Quartz	9/16/1999	9/10/1999	2/15/2018
Dawson	115O02	YC17662	RUM RUN 5	Rum Run	5	Quartz	9/16/1999	9/10/1999	2/15/2018
Dawson	115O02	YC17663	RUM RUN 6	Rum Run	6	Quartz	9/16/1999	9/10/1999	2/15/2018
Dawson	115O02	YC17664	RUM RUN 7	Rum Run	7	Quartz	9/16/1999	9/10/1999	2/15/2018
Dawson	115O02	YC17665	RUM RUN 8	Rum Run	8	Quartz	9/16/1999	9/10/1999	2/15/2018
Dawson	115O02	YC17666	RUM RUN 9	Rum Run	9	Quartz	9/16/1999	9/10/1999	2/15/2018
Dawson	115O02	YC17667	RUM RUN 10	Rum Run	10	Quartz	9/16/1999	9/10/1999	2/15/2018
Dawson	115O02	YC17668	RUM RUN 11	Rum Run	11	Quartz	9/16/1999	9/10/1999	2/15/2018
Dawson	115O02	YC17669	RUM RUN 12	Rum Run	12	Quartz	9/16/1999	9/10/1999	2/15/2018
Dawson	115O02	YC17670	RUM RUN 13	Rum Run	13	Quartz	9/16/1999	9/10/1999	2/15/2018
Dawson	115O02	YC17672	RUM RUN 15	Rum Run	15	Quartz	9/16/1999	9/10/1999	2/15/2018
Dawson	115O02	YC17674	RUM RUN 17	Rum Run	17	Quartz	9/16/1999	9/14/1999	2/15/2018
Dawson	115O02	YC17676	RUM RUN 19	Rum Run	19	Quartz	9/16/1999	9/14/1999	2/15/2018
Dawson	115O02	YC20192	RUM RUN 21	Rum Run	21	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20193	RUM RUN 22	Rum Run	22	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20194	RUM RUN 23	Rum Run	23	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20195	RUM RUN 24	Rum Run	24	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20196	RUM RUN 25	Rum Run	25	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20197	RUM RUN 26	Rum Run	26	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20198	RUM RUN 27	Rum Run	27	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20199	RUM RUN 28	Rum Run	28	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20200	RUM RUN 29	Rum Run	29	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20201	RUM RUN 30	Rum Run	30	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20202	RUM RUN 31	Rum Run	31	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20203	RUM RUN 32	Rum Run	32	Quartz	6/29/2000	6/18/2000	2/15/2015

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Dawson	115O02	YC20204	RUM RUN 33	Rum Run	33	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20205	RUM RUN 34	Rum Run	34	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20206	RUM RUN 35	Rum Run	35	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20207	RUM RUN 36	Rum Run	36	Quartz	6/29/2000	6/18/2000	2/15/2015
Dawson	115O02	YC20208	RUM RUN 37	Rum Run	37	Quartz	6/29/2000	6/18/2000	2/15/2014
Dawson	115O02	YC20209	RUM RUN 38	Rum Run	38	Quartz	6/29/2000	6/18/2000	2/15/2014
Dawson	115O02	YC20210	RUM RUN 39	Rum Run	39	Quartz	6/29/2000	6/18/2000	2/15/2014
Dawson	115O02	YC20211	RUM RUN 40	Rum Run	40	Quartz	6/29/2000	6/18/2000	2/15/2014
Dawson	115O02	YC20214	RUM RUN 43	Rum Run	43	Quartz	6/29/2000	6/23/2000	2/15/2014
Dawson	115J15	YC36188	RUM RUM 44	Rum Run	44	Quartz	6/28/2005	6/16/2005	2/15/2014
Dawson	115O02	YC20216	RUM RUN 45	Rum Run	45	Quartz	6/29/2000	6/23/2000	2/15/2014
Dawson	115J15	YC36189	RUM RUM 46	Rum Run	46	Quartz	6/28/2005	6/16/2005	2/15/2014
Dawson	115O02	YC20218	RUM RUN 47	Rum Run	47	Quartz	6/29/2000	6/23/2000	2/15/2014
Dawson	115J15	YC36190	RUM RUM 48	Rum Run	48	Quartz	6/28/2005	6/16/2005	2/15/2014
Dawson	115O02	YC20220	RUM RUN 49	Rum Run	49	Quartz	6/29/2000	6/23/2000	2/15/2014
Dawson	115O02	YC20222	RUM RUN 53	Rum Run	53	Quartz	6/29/2000	6/23/2000	2/15/2014
Dawson	115O02	YC20223	RUM RUN 54	Rum Run	54	Quartz	6/29/2000	6/23/2000	2/15/2014
Dawson	115O02	YC20224	RUM RUN 55	Rum Run	55	Quartz	6/29/2000	6/23/2000	2/15/2014
Dawson	115O02	YC20225	RUM RUN 56	Rum Run	56	Quartz	6/29/2000	6/23/2000	2/15/2014
Dawson	115O02	YC20226	RUM RUN 57	Rum Run	57	Quartz	6/29/2000	6/23/2000	2/15/2014
Dawson	115O02	YC20227	RUM RUN 58	Rum Run	58	Quartz	6/29/2000	6/23/2000	2/15/2014
Dawson	115J15	YD73853	STV 1	STV	1	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73854	STV 2	STV	2	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73855	STV 3	STV	3	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73856	STV 4	STV	4	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73857	STV 5	STV	5	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73858	STV 6	STV	6	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73859	STV 7	STV	7	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73860	STV 8	STV	8	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73861	STV 9	STV	9	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73862	STV 10	STV	10	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73863	STV 11	STV	11	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73864	STV 12	STV	12	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73865	STV 13	STV	13	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73866	STV 14	STV	14	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73867	STV 15	STV	15	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73868	STV 16	STV	16	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73869	STV 17	STV	17	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73870	STV 18	STV	18	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73871	STV 19	STV	19	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73872	STV 20	STV	20	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73873	STV 21	STV	21	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73874	STV 22	STV	22	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73875	STV 23	STV	23	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73876	STV 24	STV	24	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73877	STV 25	STV	25	Quartz	9/27/2010	9/14/2010	9/27/2011

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Dawson	115J15	YD73878	STV 26	STV	26	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73879	STV 27	STV	27	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73880	STV 28	STV	28	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73881	STV 29	STV	29	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73882	STV 30	STV	30	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73883	STV 31	STV	31	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115J15	YD73884	STV 32	STV	32	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73885	STV 33	STV	33	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73886	STV 34	STV	34	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73887	STV 35	STV	35	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73888	STV 36	STV	36	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73889	STV 37	STV	37	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73890	STV 38	STV	38	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73891	STV 39	STV	39	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73892	STV 40	STV	40	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73893	STV 41	STV	41	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73894	STV 42	STV	42	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73895	STV 43	STV	43	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73896	STV 44	STV	44	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73897	STV 45	STV	45	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73898	STV 46	STV	46	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73899	STV 47	STV	47	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73900	STV 48	STV	48	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73901	STV 49	STV	49	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73902	STV 50	STV	50	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73903	STV 51	STV	51	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73904	STV 52	STV	52	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73905	STV 53	STV	53	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73906	STV 54	STV	54	Quartz	9/27/2010	9/14/2010	9/27/2011
Dawson	115O02	YD73907	STV 55	STV	55	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73908	STV 56	STV	56	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73909	STV 57	STV	57	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73910	STV 58	STV	58	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73911	STV 59	STV	59	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73912	STV 60	STV	60	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73913	STV 61	STV	61	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73914	STV 62	STV	62	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73915	STV 63	STV	63	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73916	STV 64	STV	64	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73917	STV 65	STV	65	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73918	STV 66	STV	66	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73919	STV 67	STV	67	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73920	STV 68	STV	68	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73921	STV 69	STV	69	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73922	STV 70	STV	70	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115O02	YD73923	STV 71	STV	71	Quartz	9/27/2010	9/15/2010	9/27/2011

District	MAP	Grant#	Label	N ame	Numbr	claim_type	Record Date	Stake Date	Expiry Date
Dawson	115002	YD73924	STV 72	STV	72	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115002	YD73927	STV 75	STV	75	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115002	YD73928	STV 76	STV	76	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115002	YD73929	STV 77	STV	77	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115002	YD73930	STV 78	STV	78	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115002	YD73931	STV 79	STV	79	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115002	YD73932	STV 80	STV	80	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115002	YD73933	STV 81	STV	81	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115002	YD73934	STV 82	STV	82	Quartz	9/27/2010	9/15/2010	9/27/2011
Dawson	115002	YC75987	TOLUAMIDE 1	Toluamide	1	Quartz	8/7/2008	7/25/2008	2/15/2017
Dawson	115002	YC75988	TOLUAMIDE 2	Toluamide	2	Quartz	8/7/2008	7/25/2008	2/15/2017
Dawson	115002	YC75989	TOLUAMIDE 3	Toluamide	3	Quartz	8/7/2008	7/25/2008	2/15/2017
Dawson	115002	YC75990	TOLUAMIDE 4	Toluamide	4	Quartz	8/7/2008	7/25/2008	2/15/2017
Dawson	115002	YC75991	TOLUAMIDE 5	Toluamide	5	Quartz	8/7/2008	7/26/2008	2/15/2017
Dawson	115002	YC75992	TOLUAMIDE 6	Toluamide	6	Quartz	8/7/2008	7/26/2008	2/15/2017
Dawson	115002	YC75993	TOLUAMIDE 7	Toluamide	7	Quartz	8/7/2008	7/26/2008	2/15/2017
Dawson	115002	YC75994	TOLUAMIDE 8	Toluamide	8	Quartz	8/7/2008	7/26/2008	2/15/2017
Dawson	115002	YC75995	TOLUAMIDE 9	Toluamide	9	Quartz	8/7/2008	7/26/2008	2/15/2017
Dawson	115002	YC75996	TOLUAMIDE 10	Toluamide	10	Quartz	8/7/2008	7/26/2008	2/15/2017
Dawson	115002	YC75997	TOLUAMIDE 11	Toluamide	11	Quartz	8/7/2008	7/27/2008	2/15/2017
Dawson	115002	YC75998	TOLUAMIDE 12	Toluamide	12	Quartz	8/7/2008	7/27/2008	2/15/2017
Dawson	115002	YC75999	TOLUAMIDE 13	Toluamide	13	Quartz	8/7/2008	7/27/2008	2/15/2017
Dawson	115002	YC76000	TOLUAMIDE 14	Toluamide	14	Quartz	8/7/2008	7/27/2008	2/15/2017
Dawson	115002	YC76001	TOLUAMIDE 15	Toluamide	15	Quartz	8/7/2008	7/27/2008	2/15/2017
Dawson	115002	YC76002	TOLUAMIDE 16	Toluamide	16	Quartz	8/7/2008	7/27/2008	2/15/2017
Dawson	115002	YC76003	TOLUAMIDE 17	Toluamide	17	Quartz	8/7/2008	7/27/2008	2/15/2017
Dawson	115002	YC76004	TOLUAMIDE 18	Toluamide	18	Quartz	8/7/2008	7/27/2008	2/15/2017
Dawson	115002	YC76005	TOLUAMIDE 19	Toluamide	19	Quartz	8/7/2008	7/27/2008	2/15/2017
Dawson	115002	YC76006	TOLUAMIDE 20	Toluamide	20	Quartz	8/7/2008	7/27/2008	2/15/2017
Dawson	115002	YC76007	TOLUAMIDE 21	Toluamide	21	Quartz	8/7/2008	7/26/2008	2/15/2017
Dawson	115002	YC76008	TOLUAMIDE 22	Toluamide	22	Quartz	8/7/2008	7/26/2008	2/15/2017
Dawson	115002	YC76009	TOLUAMIDE 23	Toluamide	23	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115002	YC76010	TOLUAMIDE 24	Toluamide	24	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115002	YC76011	TOLUAMIDE 25	Toluamide	25	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115002	YC76012	TOLUAMIDE 26	Toluamide	26	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115002	YC76013	TOLUAMIDE 27	Toluamide	27	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115002	YC76014	TOLUAMIDE 28	Toluamide	28	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115002	YC76015	TOLUAMIDE 29	Toluamide	29	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115002	YC76016	TOLUAMIDE 30	Toluamide	30	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115002	YC76017	TOLUAMIDE 31	Toluamide	31	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115002	YC76018	TOLUAMIDE 32	Toluamide	32	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115002	YC76019	TOLUAMIDE 33	Toluamide	33	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115002	YC76020	TOLUAMIDE 34	Toluamide	34	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115001	YC76021	TOLUAMIDE 35	Toluamide	35	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115001	YC76022	TOLUAMIDE 36	Toluamide	36	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115001	YC76023	TOLUAMIDE 37	Toluamide	37	Quartz	8/7/2008	7/29/2008	2/15/2015

District	MAP	Grant#	Label	N ame	Numbr	claim_type	Record Date	Stake Date	Expiry Date
Dawson	115O01	YC76024	TOLUAMIDE 38	Toluamide	38	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115O01	YC76025	TOLUAMIDE 39	Toluamide	39	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115O01	YC76026	TOLUAMIDE 40	Toluamide	40	Quartz	8/7/2008	7/29/2008	2/15/2015
Dawson	115O01	YC76027	TOLUAMIDE 41	Toluamide	41	Quartz	8/7/2008	7/30/2008	2/15/2015
Dawson	115O01	YC76028	TOLUAMIDE 42	Toluamide	42	Quartz	8/7/2008	7/30/2008	2/15/2015
Dawson	115O01	YC76029	TOLUAMIDE 43	Toluamide	43	Quartz	8/7/2008	7/30/2008	2/15/2015
Dawson	115O01	YC76030	TOLUAMIDE 44	Toluamide	44	Quartz	8/7/2008	7/30/2008	2/15/2015
Dawson	115J16	YC76031	TOLUAMIDE 45	Toluamide	45	Quartz	8/7/2008	7/30/2008	2/15/2015
Dawson	115J16	YC76032	TOLUAMIDE 46	Toluamide	46	Quartz	8/7/2008	7/30/2008	2/15/2015
Dawson	115J16	YC76033	TOLUAMIDE 47	Toluamide	47	Quartz	8/7/2008	7/30/2008	2/15/2015
Dawson	115J16	YC76034	TOLUAMIDE 48	Toluamide	48	Quartz	8/7/2008	7/30/2008	2/15/2015
Dawson	115J16	YC76035	TOLUAMIDE 49	Toluamide	49	Quartz	8/7/2008	8/1/2008	2/15/2015
Dawson	115J16	YC76036	TOLUAMIDE 50	Toluamide	50	Quartz	8/7/2008	8/1/2008	2/15/2015
Dawson	115J16	YC76037	TOLUAMIDE 51	Toluamide	51	Quartz	8/7/2008	8/1/2008	2/15/2015
Dawson	115J16	YC76038	TOLUAMIDE 52	Toluamide	52	Quartz	8/7/2008	8/1/2008	2/15/2015
Dawson	115J16	YC76039	TOLUAMIDE 53	Toluamide	53	Quartz	8/7/2008	8/1/2008	2/15/2015
Dawson	115J16	YC76040	TOLUAMIDE 54	Toluamide	54	Quartz	8/7/2008	8/1/2008	2/15/2015
Dawson	115J16	YC76041	TOLUAMIDE 55	Toluamide	55	Quartz	8/7/2008	8/1/2008	2/15/2015
Dawson	115J16	YC76042	TOLUAMIDE 56	Toluamide	56	Quartz	8/7/2008	8/1/2008	2/15/2015
Dawson	115J16	YC76043	TOLUAMIDE 57	Toluamide	57	Quartz	8/7/2008	8/1/2008	2/15/2015
Dawson	115J16	YC76044	TOLUAMIDE 58	Toluamide	58	Quartz	8/7/2008	8/1/2008	2/15/2015
Dawson	115O02	YC76045	TOLUAMIDE 59	Toluamide	59	Quartz	8/7/2008	8/2/2008	2/15/2017
Dawson	115O02	YC76046	TOLUAMIDE 60	Toluamide	60	Quartz	8/7/2008	8/2/2008	2/15/2017
Dawson	115O02	YC76047	TOLUAMIDE 61	Toluamide	61	Quartz	8/7/2008	8/2/2008	2/15/2017
Dawson	115O02	YC76048	TOLUAMIDE 62	Toluamide	62	Quartz	8/7/2008	8/2/2008	2/15/2017
Dawson	115O02	YC76049	TOLUAMIDE 63	Toluamide	63	Quartz	8/7/2008	8/2/2008	2/15/2017
Dawson	115O02	YC76050	TOLUAMIDE 64	Toluamide	64	Quartz	8/7/2008	8/2/2008	2/15/2017
Dawson	115O01	YD12601	TOLUAMIDE 65	Toluamide	65	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12602	TOLUAMIDE 66	Toluamide	66	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12603	TOLUAMIDE 67	Toluamide	67	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12604	TOLUAMIDE 68	Toluamide	68	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12605	TOLUAMIDE 69	Toluamide	69	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12606	TOLUAMIDE 70	Toluamide	70	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12607	TOLUAMIDE 71	Toluamide	71	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12608	TOLUAMIDE 72	Toluamide	72	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12609	TOLUAMIDE 73	Toluamide	73	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12610	TOLUAMIDE 74	Toluamide	74	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12611	TOLUAMIDE 75	Toluamide	75	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12612	TOLUAMIDE 76	Toluamide	76	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12613	TOLUAMIDE 77	Toluamide	77	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12614	TOLUAMIDE 78	Toluamide	78	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12615	TOLUAMIDE 79	Toluamide	79	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12616	TOLUAMIDE 80	Toluamide	80	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12617	TOLUAMIDE 81	Toluamide	81	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12618	TOLUAMIDE 82	Toluamide	82	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12619	TOLUAMIDE 83	Toluamide	83	Quartz	8/24/2009	8/22/2009	2/15/2015

District	MAP	Grant#	Label	N ame	Numbr	claim_type	Record Date	Stake Date	Expiry Date
Dawson	115O01	YD12620	TOLUAMIDE 84	Toluamide	84	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12621	TOLUAMIDE 85	Toluamide	85	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12622	TOLUAMIDE 86	Toluamide	86	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12623	TOLUAMIDE 87	Toluamide	87	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12624	TOLUAMIDE 88	Toluamide	88	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12625	TOLUAMIDE 89	Toluamide	89	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12626	TOLUAMIDE 90	Toluamide	90	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12627	TOLUAMIDE 91	Toluamide	91	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12628	TOLUAMIDE 92	Toluamide	92	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12629	TOLUAMIDE 93	Toluamide	93	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12630	TOLUAMIDE 94	Toluamide	94	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115J15	YD12631	TOLUAMIDE 95	Toluamide	95	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J15	YD12632	TOLUAMIDE 96	Toluamide	96	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J15	YD12633	TOLUAMIDE 97	Toluamide	97	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J15	YD12634	TOLUAMIDE 98	Toluamide	98	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J15	YD12635	TOLUAMIDE 99	Toluamide	99	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J15	YD12636	TOLUAMIDE 100	Toluamide	100	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J15	YD12637	TOLUAMIDE 101	Toluamide	101	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J15	YD12638	TOLUAMIDE 102	Toluamide	102	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J15	YD12639	TOLUAMIDE 103	Toluamide	103	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J15	YD12640	TOLUAMIDE 104	Toluamide	104	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12641	TOLUAMIDE 105	Toluamide	105	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12642	TOLUAMIDE 106	Toluamide	106	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12643	TOLUAMIDE 107	Toluamide	107	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12644	TOLUAMIDE 108	Toluamide	108	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12645	TOLUAMIDE 109	Toluamide	109	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12646	TOLUAMIDE 110	Toluamide	110	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12647	TOLUAMIDE 111	Toluamide	111	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12648	TOLUAMIDE 112	Toluamide	112	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12649	TOLUAMIDE 113	Toluamide	113	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12650	TOLUAMIDE 114	Toluamide	114	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115O02	YD12651	TOLUAMIDE 115	Toluamide	115	Quartz	8/24/2009	8/23/2009	2/15/2015
Dawson	115J16	YD12652	TOLUAMIDE 116	Toluamide	116	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12653	TOLUAMIDE 117	Toluamide	117	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12654	TOLUAMIDE 118	Toluamide	118	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12655	TOLUAMIDE 119	Toluamide	119	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12656	TOLUAMIDE 120	Toluamide	120	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12657	TOLUAMIDE 121	Toluamide	121	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12658	TOLUAMIDE 122	Toluamide	122	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12659	TOLUAMIDE 123	Toluamide	123	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12660	TOLUAMIDE 124	Toluamide	124	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12661	TOLUAMIDE 125	Toluamide	125	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12662	TOLUAMIDE 126	Toluamide	126	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12663	TOLUAMIDE 127	Toluamide	127	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12664	TOLUAMIDE 128	Toluamide	128	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12665	TOLUAMIDE 129	Toluamide	129	Quartz	8/24/2009	8/21/2009	2/15/2015

District	MAP	Grant#	Label	N ame	Numbr	claim_type	Record Date	Stake Date	Expiry Date
Dawson	115J16	YD12666	TOLUAMIDE 130	Toluamide	130	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12667	TOLUAMIDE 131	Toluamide	131	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12668	TOLUAMIDE 132	Toluamide	132	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12669	TOLUAMIDE 133	Toluamide	133	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12670	TOLUAMIDE 134	Toluamide	134	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115J16	YD12671	TOLUAMIDE 135	Toluamide	135	Quartz	8/24/2009	8/21/2009	2/15/2015
Dawson	115O01	YD12672	TOLUAMIDE 136	Toluamide	136	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12673	TOLUAMIDE 137	Toluamide	137	Quartz	8/24/2009	8/22/2009	2/15/2015
Dawson	115O01	YD12674	TOLUAMIDE 138	Toluamide	138	Quartz	8/24/2009	8/22/2009	2/15/2015

APPENDIX 3**ANALYTICAL CERTIFICATES**



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Client: Pacific Ridge Exploration Ltd.

1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5 Canada

Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: July 01, 2010

Report Date: July 29, 2010

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CERTIFICATE OF ANALYSIS

WHI10000049.2

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-1
P.O. Number
Number of Samples: 360

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	360	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	360	Dry at 60C			WHI
RJSV	360	Saving all or part of Soil Reject			WHI
1DX2	360	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Version 2: Revised sample I.D.'s (24400 87600 to 24400 88400)



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

WHI10000049.2

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
23200 87400	Soil	0.9	64.1	7.0	83	<0.1	21.4	26.0	704	4.51	2.7	1.3	9.1	3.4	30	0.1	0.2	0.2	76	0.64	0.194
23200 87450	Soil	1.4	25.0	21.3	77	0.1	13.7	14.3	541	2.59	6.4	1.3	98.5	7.5	21	0.3	0.3	0.6	42	0.36	0.092
23200 87500	Soil	1.6	90.7	13.2	117	0.3	7.1	14.8	746	4.68	4.9	3.4	19.2	6.1	27	0.2	0.1	2.2	53	0.37	0.079
23200 87550	Soil	2.0	14.2	25.6	58	0.1	15.7	10.6	383	3.52	16.6	3.2	6.2	16.2	44	<0.1	0.4	0.1	28	0.21	0.047
23200 87600	Soil	1.2	20.2	19.7	59	<0.1	23.3	8.9	205	2.85	11.2	1.4	1.7	20.4	14	<0.1	0.3	0.2	29	0.18	0.028
23200 87650	Soil	3.4	14.3	35.9	50	0.1	23.8	8.2	452	2.55	26.1	1.3	3.4	16.2	19	<0.1	0.4	0.2	34	0.30	0.027
23200 87700	Soil	1.3	51.5	11.2	80	0.1	29.8	16.8	1084	4.57	8.9	1.1	5.2	4.3	18	0.2	0.4	0.1	61	0.48	0.070
23200 87750	Soil	0.4	127.5	7.7	131	<0.1	47.6	34.5	861	4.47	3.5	0.5	29.3	3.5	25	<0.1	0.2	<0.1	63	0.69	0.170
23200 87800	Soil	1.0	22.7	6.8	41	<0.1	14.6	13.7	294	2.97	7.9	0.3	0.6	1.2	17	<0.1	0.2	<0.1	64	0.44	0.084
23200 87850	Soil	1.2	20.9	14.6	49	<0.1	19.3	8.8	449	2.67	6.8	2.5	1.4	12.6	23	<0.1	0.4	0.1	45	0.25	0.024
23200 87900	Soil	1.7	18.5	13.4	74	<0.1	11.0	11.7	230	2.92	2.7	1.7	<0.5	12.6	27	<0.1	0.1	0.1	30	0.26	0.055
23200 87950	Soil	0.9	15.9	14.8	76	<0.1	8.8	12.5	476	3.96	6.9	1.9	0.8	9.0	40	<0.1	0.3	0.1	39	0.25	0.052
23200 88000	Soil	1.1	18.6	18.1	77	0.1	13.5	11.9	341	3.44	10.2	1.4	1.8	8.1	25	<0.1	0.5	0.2	38	0.27	0.059
23200 88050	Soil	1.6	18.0	33.1	83	0.1	13.1	8.0	262	2.97	12.8	2.9	1.2	9.6	35	<0.1	0.3	0.5	37	0.26	0.040
23200 88100	Soil	1.5	35.7	26.2	78	0.1	11.2	7.7	274	3.12	7.7	2.9	6.2	10.7	54	0.2	0.3	0.5	41	0.26	0.064
23200 88150	Soil	1.5	29.6	12.9	66	0.1	26.1	10.6	467	2.96	8.5	1.2	5.7	5.0	40	0.3	0.6	0.2	58	0.55	0.081
23200 88200	Soil	3.7	31.9	57.8	160	0.3	13.3	11.9	377	3.36	9.3	4.5	5.5	23.2	38	0.1	0.5	0.2	16	0.36	0.092
23200 88250	Soil	1.4	25.5	11.6	61	0.1	18.4	10.5	330	2.69	6.9	1.6	3.4	7.0	32	<0.1	0.5	0.2	50	0.45	0.069
23200 88300	Soil	2.2	11.3	9.1	97	<0.1	10.4	10.3	628	2.87	3.3	1.3	1.1	3.0	33	<0.1	0.1	0.2	36	0.57	0.094
23200 88350	Soil	0.8	14.5	10.7	76	<0.1	16.6	14.2	601	3.66	4.7	0.4	1.4	1.4	21	<0.1	0.3	<0.1	77	0.28	0.054
23200 88400	Soil	5.0	16.7	14.0	31	<0.1	12.3	4.9	162	1.56	16.3	0.6	1.3	3.1	12	<0.1	0.3	0.2	22	0.14	0.012
23300 87350	Soil	1.7	37.0	10.2	113	<0.1	28.2	25.1	984	4.75	3.9	1.3	3.6	6.2	59	0.2	0.2	0.1	73	1.01	0.167
23300 87400	Soil	1.5	29.8	12.9	84	0.1	21.1	9.6	291	2.84	10.3	1.2	9.5	6.6	36	0.2	0.5	0.7	52	0.55	0.071
23300 87450	Soil	0.8	13.5	21.4	103	<0.1	10.2	8.1	226	2.49	6.6	1.8	11.0	4.5	44	0.3	0.2	0.4	36	0.44	0.086
23300 87500	Soil	3.0	23.0	11.1	78	0.1	18.7	16.7	766	4.37	17.5	3.4	5.4	5.3	96	0.2	0.6	0.3	52	0.71	0.105
23300 87550	Soil	0.8	29.6	17.8	60	<0.1	16.5	10.2	428	2.73	8.4	1.8	4.2	27.2	38	<0.1	0.3	0.2	38	0.38	0.034
23300 87600	Soil	1.1	27.7	39.5	47	0.1	15.7	7.4	253	2.15	7.6	1.9	2.3	30.5	19	<0.1	0.3	0.4	33	0.32	0.047
23300 87650	Soil	0.9	49.1	10.2	93	0.2	38.6	25.5	1049	5.19	12.0	1.4	2.4	1.9	49	0.1	0.2	<0.1	104	5.49	0.136
23300 87700	Soil	2.7	29.6	12.4	70	<0.1	22.3	10.7	638	3.72	11.5	2.0	3.1	4.8	13	<0.1	0.3	0.2	30	0.37	0.057
23300 87750	Soil	1.2	17.3	16.8	58	<0.1	18.0	9.5	405	2.77	6.0	1.1	1.6	9.7	22	<0.1	0.4	0.1	56	0.27	0.026



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
23200 87400	Soil	9	31	1.68	402	0.141	1	2.24	0.013	0.56	0.3	<0.01	4.5	0.2	0.05	5	<0.5	<0.2
23200 87450	Soil	19	18	0.62	208	0.083	1	1.19	0.019	0.21	<0.1	0.02	3.4	0.2	<0.05	4	<0.5	0.2
23200 87500	Soil	19	18	1.15	340	0.163	<1	1.89	0.012	0.59	<0.1	0.01	1.8	0.5	0.09	6	1.1	1.6
23200 87550	Soil	29	25	0.39	191	0.033	<1	1.19	0.016	0.12	<0.1	0.01	3.6	0.1	0.10	3	0.6	<0.2
23200 87600	Soil	25	23	0.37	203	0.048	1	1.24	0.007	0.24	0.1	<0.01	3.5	0.2	<0.05	3	<0.5	<0.2
23200 87650	Soil	20	39	0.25	247	0.022	2	1.10	0.009	0.14	0.1	0.02	3.9	<0.1	0.05	3	<0.5	<0.2
23200 87700	Soil	25	45	0.79	315	0.020	1	1.70	0.009	0.11	<0.1	0.04	10.2	<0.1	<0.05	5	0.8	<0.2
23200 87750	Soil	16	35	2.10	143	0.095	1	2.34	0.011	0.31	<0.1	0.02	6.9	<0.1	<0.05	8	<0.5	<0.2
23200 87800	Soil	3	20	0.70	199	0.086	<1	1.92	0.018	0.15	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
23200 87850	Soil	29	29	0.43	272	0.066	<1	1.27	0.010	0.16	0.1	0.01	2.7	0.1	<0.05	4	<0.5	<0.2
23200 87900	Soil	15	19	0.89	160	0.122	<1	1.91	0.011	0.37	<0.1	<0.01	1.5	0.3	<0.05	5	<0.5	<0.2
23200 87950	Soil	20	17	0.83	329	0.119	<1	2.01	0.036	0.27	<0.1	0.01	2.2	0.2	0.09	5	0.7	<0.2
23200 88000	Soil	18	22	0.57	501	0.066	<1	1.80	0.015	0.12	<0.1	<0.01	2.3	0.1	<0.05	4	<0.5	<0.2
23200 88050	Soil	26	26	0.55	308	0.063	<1	1.65	0.034	0.11	<0.1	0.02	2.5	0.2	0.06	4	0.7	0.4
23200 88100	Soil	23	19	0.46	134	0.103	<1	1.23	0.031	0.11	0.1	<0.01	2.7	0.1	0.12	4	1.6	0.4
23200 88150	Soil	17	35	0.61	274	0.089	1	1.53	0.027	0.09	0.1	0.02	4.0	<0.1	<0.05	4	0.7	<0.2
23200 88200	Soil	41	10	0.57	208	0.066	<1	1.39	0.035	0.24	<0.1	0.01	2.7	0.3	0.12	3	1.2	0.2
23200 88250	Soil	24	26	0.57	277	0.091	<1	1.59	0.020	0.13	0.2	0.03	3.3	0.1	0.05	4	<0.5	<0.2
23200 88300	Soil	10	15	1.05	494	0.145	<1	1.80	0.008	0.43	<0.1	<0.01	1.6	0.3	<0.05	5	<0.5	<0.2
23200 88350	Soil	5	23	1.28	344	0.200	<1	2.41	0.012	0.67	0.1	<0.01	2.1	0.2	<0.05	7	<0.5	<0.2
23200 88400	Soil	11	17	0.26	169	0.016	1	1.00	0.006	0.16	<0.1	0.01	2.7	<0.1	<0.05	2	<0.5	<0.2
23300 87350	Soil	18	59	1.85	263	0.276	<1	2.58	0.011	0.83	0.3	<0.01	2.5	0.3	<0.05	6	0.7	<0.2
23300 87400	Soil	19	28	0.56	333	0.087	<1	1.48	0.018	0.11	0.1	0.02	4.2	0.1	<0.05	4	0.8	0.6
23300 87450	Soil	15	15	0.48	216	0.070	<1	1.04	0.014	0.13	<0.1	0.01	2.5	<0.1	<0.05	4	<0.5	0.5
23300 87500	Soil	19	21	0.67	298	0.100	1	1.18	0.018	0.14	0.1	0.01	3.2	<0.1	<0.05	4	1.0	0.3
23300 87550	Soil	92	20	0.52	194	0.102	<1	1.31	0.012	0.31	0.1	0.02	3.9	0.3	<0.05	4	0.6	<0.2
23300 87600	Soil	58	22	0.38	120	0.047	<1	1.19	0.008	0.22	<0.1	0.02	3.2	0.2	<0.05	3	0.7	<0.2
23300 87650	Soil	13	58	1.60	512	0.150	1	2.33	0.013	0.68	<0.1	0.04	7.6	0.3	0.05	7	0.8	<0.2
23300 87700	Soil	22	20	0.26	287	0.009	1	1.12	0.007	0.14	<0.1	0.02	6.0	<0.1	<0.05	2	0.7	<0.2
23300 87750	Soil	19	31	0.57	231	0.090	<1	1.73	0.010	0.26	0.1	0.01	2.6	0.2	<0.05	6	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
23300 87800	Soil	1.1	18.6	11.7	71	<0.1	18.8	11.8	410	3.14	5.9	1.9	0.7	17.7	21	<0.1	0.3	<0.1	43	0.27
23300 87850	Soil	0.8	20.6	16.1	106	<0.1	62.1	20.2	559	3.71	5.0	0.8	<0.5	4.8	43	<0.1	0.2	0.1	78	0.63
23300 87900	Soil	0.6	12.4	5.9	69	<0.1	5.8	6.1	474	3.03	1.7	1.6	1.2	7.2	31	<0.1	0.1	<0.1	30	0.19
23300 87950	Soil	0.9	13.2	12.1	177	<0.1	10.6	6.8	166	2.32	4.0	0.5	1.3	1.0	14	<0.1	0.3	0.1	40	0.18
23300 88000	Soil	1.0	16.8	46.4	74	<0.1	8.8	6.1	661	1.72	4.8	4.1	5.7	17.7	13	0.2	0.2	1.1	12	0.19
23300 88050	Soil	1.5	14.6	33.8	109	0.1	5.8	8.5	838	3.29	4.3	4.9	4.6	23.4	10	0.2	0.2	0.3	13	0.20
23300 88100	Soil	1.2	18.6	14.7	160	<0.1	4.2	9.8	651	3.60	1.9	3.0	0.8	15.1	13	0.2	0.1	0.3	41	0.18
23300 88150	Soil	2.3	16.9	11.8	58	0.2	13.2	9.3	324	3.30	6.5	3.0	1.1	10.4	27	<0.1	0.3	0.2	52	0.14
23300 88200	Soil	2.4	16.0	17.6	71	0.1	19.7	11.4	406	3.61	9.8	3.1	5.7	14.9	58	<0.1	0.3	0.2	31	0.31
23300 88250	Soil	0.9	14.9	10.9	92	0.1	4.9	5.7	347	3.37	3.3	3.2	1.4	13.3	62	<0.1	0.1	<0.1	33	0.15
23300 88300	Soil	1.7	11.5	15.7	53	<0.1	10.6	7.5	305	3.39	8.5	2.7	1.7	13.7	74	<0.1	0.3	0.1	22	0.27
23300 88350	Soil	1.6	25.8	8.9	75	<0.1	17.7	18.3	435	3.56	7.5	0.6	6.3	3.0	22	<0.1	0.3	<0.1	77	0.45
23300 88400	Soil	1.9	22.7	8.5	72	0.2	18.0	14.4	973	3.17	4.9	1.5	75.9	2.7	46	0.2	0.3	<0.1	63	0.91
23322 87354	Soil	3.3	48.6	14.0	95	0.1	61.5	23.8	459	5.06	2.7	1.8	3.2	7.5	21	0.2	0.3	0.2	84	0.67
23400 87300	Soil	2.3	28.7	15.2	91	0.1	22.2	17.6	713	3.73	5.8	1.4	3.4	7.7	39	0.2	0.2	0.4	62	0.70
23400 87350	Soil	3.0	55.4	21.8	96	0.2	37.5	19.9	864	3.85	10.2	2.0	4.1	14.7	41	0.3	0.5	0.9	71	0.73
23400 87400	Soil	1.8	25.6	21.7	65	0.1	22.1	11.1	397	2.97	11.0	2.2	5.6	14.3	26	0.1	0.3	0.7	51	0.44
23400 87450	Soil	2.1	9.8	12.5	35	<0.1	11.9	11.0	185	3.04	6.4	1.3	2.1	10.0	9	<0.1	0.3	2.1	24	0.18
23400 87500	Soil	3.1	23.0	103.8	229	0.1	10.0	6.7	263	2.83	39.6	4.0	5.5	15.4	14	0.8	0.3	2.6	9	0.20
23400 87550	Soil	3.0	17.3	21.8	73	<0.1	12.4	15.4	497	4.50	58.3	6.0	3.2	14.4	32	<0.1	0.5	1.4	31	0.38
23400 87600	Soil	1.8	32.5	10.3	86	0.2	25.1	14.8	814	4.43	74.4	1.9	3.7	4.5	38	0.1	0.5	0.2	88	0.63
23400 87650	Soil	3.7	46.3	26.5	61	0.4	37.7	17.6	866	3.61	18.8	2.8	3.9	6.7	22	0.1	0.4	0.3	23	0.73
23400 87700	Soil	1.4	23.9	30.1	67	0.1	13.6	12.9	765	3.14	2.5	5.1	3.0	40.1	18	<0.1	0.1	0.2	29	0.32
23400 87750	Soil	1.5	25.3	22.0	55	<0.1	18.6	14.2	349	3.45	5.0	2.4	0.5	7.0	19	<0.1	0.3	<0.1	84	0.62
23400 87800	Soil	1.6	23.9	8.9	64	<0.1	17.0	13.1	281	2.59	5.0	1.4	1.8	8.4	18	<0.1	0.2	<0.1	40	0.21
23400 87850	Soil	0.3	14.9	5.2	89	<0.1	10.7	10.7	546	3.46	2.8	1.5	0.5	11.0	12	<0.1	0.1	<0.1	55	0.23
23400 87900	Soil	0.7	10.7	8.2	53	0.1	16.8	9.0	344	2.37	5.9	0.4	3.0	2.7	24	<0.1	0.4	0.1	57	0.22
23400 87950	Soil	0.8	19.8	21.9	171	<0.1	8.2	19.0	518	4.20	4.4	1.6	0.9	2.4	51	<0.1	0.1	0.1	62	0.76
23400 88000	Soil	4.7	10.5	142.2	244	0.2	10.5	10.9	472	3.33	50.5	4.2	3.1	17.9	28	0.3	0.3	1.5	19	0.10
23400 88050	Soil	2.0	21.5	58.0	173	0.2	17.1	10.7	536	3.41	10.7	2.0	7.1	15.4	23	0.4	0.4	3.1	29	0.11



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
23300 87800	Soil	23	32	0.77	173	0.144	<1	1.90	0.007	0.55	<0.1	<0.01	2.4	0.4	<0.05	6	0.5	<0.2
23300 87850	Soil	11	118	1.95	459	0.207	<1	2.97	0.019	0.68	0.1	<0.01	2.6	0.4	<0.05	6	<0.5	<0.2
23300 87900	Soil	20	11	0.90	228	0.192	<1	1.97	0.017	0.79	<0.1	<0.01	0.8	0.5	0.09	4	<0.5	0.3
23300 87950	Soil	5	16	0.40	272	0.045	1	1.51	0.008	0.29	<0.1	<0.01	1.3	0.1	<0.05	7	<0.5	<0.2
23300 88000	Soil	49	8	0.11	197	0.003	<1	0.83	0.005	0.07	<0.1	<0.01	4.9	<0.1	<0.05	2	0.6	0.6
23300 88050	Soil	58	5	0.14	165	0.005	<1	0.74	0.007	0.08	<0.1	0.02	5.7	0.1	<0.05	3	0.8	0.3
23300 88100	Soil	22	10	0.54	153	0.094	<1	1.69	0.009	0.44	0.1	<0.01	4.4	0.3	<0.05	6	<0.5	<0.2
23300 88150	Soil	24	22	0.58	135	0.100	1	2.08	0.017	0.29	0.1	0.01	2.2	0.2	0.14	6	<0.5	<0.2
23300 88200	Soil	43	24	0.63	289	0.074	<1	1.72	0.087	0.18	<0.1	<0.01	2.6	0.1	0.32	4	0.6	0.3
23300 88250	Soil	43	12	0.82	236	0.166	<1	1.81	0.051	0.53	<0.1	<0.01	2.1	0.5	0.32	5	<0.5	<0.2
23300 88300	Soil	34	15	0.47	335	0.054	1	1.44	0.077	0.14	<0.1	0.01	2.6	<0.1	0.36	4	0.7	<0.2
23300 88350	Soil	10	26	0.96	327	0.142	1	1.85	0.013	0.35	0.2	0.01	3.1	0.2	<0.05	6	<0.5	<0.2
23300 88400	Soil	19	28	0.84	547	0.093	2	1.74	0.015	0.25	0.1	0.04	5.5	<0.1	0.06	6	<0.5	<0.2
23322 87354	Soil	31	114	1.00	293	0.075	2	1.86	0.007	0.50	0.3	0.01	11.3	0.2	<0.05	5	<0.5	<0.2
23400 87300	Soil	20	37	1.08	260	0.113	<1	1.82	0.014	0.35	0.5	0.02	4.0	0.2	<0.05	6	0.6	0.2
23400 87350	Soil	53	55	0.93	262	0.113	2	2.31	0.027	0.28	0.2	0.03	5.9	0.2	<0.05	7	0.5	<0.2
23400 87400	Soil	25	37	0.68	249	0.074	1	1.68	0.016	0.18	0.2	0.02	3.5	0.2	<0.05	5	<0.5	0.2
23400 87450	Soil	22	14	0.52	111	0.023	<1	1.23	0.008	0.20	<0.1	<0.01	2.3	0.1	<0.05	4	0.6	0.5
23400 87500	Soil	14	12	0.18	114	0.006	<1	0.73	0.009	0.08	<0.1	0.02	2.7	0.1	<0.05	2	1.0	0.2
23400 87550	Soil	36	17	0.41	221	0.033	1	1.50	0.033	0.11	<0.1	0.02	2.7	0.2	0.13	4	0.5	<0.2
23400 87600	Soil	14	36	0.99	260	0.103	2	1.80	0.021	0.39	<0.1	0.02	7.6	0.3	<0.05	6	<0.5	<0.2
23400 87650	Soil	28	19	0.42	238	0.008	<1	1.09	0.007	0.16	<0.1	0.01	3.3	<0.1	<0.05	3	0.9	0.2
23400 87700	Soil	108	15	0.35	158	0.048	<1	1.14	0.007	0.33	<0.1	0.03	2.7	0.2	<0.05	4	<0.5	<0.2
23400 87750	Soil	11	30	0.77	163	0.060	1	2.22	0.014	0.18	<0.1	<0.01	5.3	<0.1	<0.05	7	<0.5	<0.2
23400 87800	Soil	19	28	0.89	109	0.150	<1	1.85	0.008	0.41	0.2	<0.01	3.4	0.3	<0.05	4	<0.5	<0.2
23400 87850	Soil	27	16	1.01	195	0.282	<1	2.10	0.009	1.01	0.2	<0.01	2.9	0.6	<0.05	6	<0.5	<0.2
23400 87900	Soil	9	29	0.44	451	0.072	<1	1.41	0.012	0.14	<0.1	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
23400 87950	Soil	16	10	0.88	276	0.160	<1	2.07	0.011	0.35	<0.1	<0.01	1.3	0.2	<0.05	8	<0.5	<0.2
23400 88000	Soil	42	17	0.22	191	0.020	<1	1.54	0.025	0.13	<0.1	0.01	1.9	0.2	0.18	3	1.0	3.1
23400 88050	Soil	34	24	0.38	480	0.016	<1	1.74	0.017	0.17	<0.1	0.01	2.4	0.2	0.09	5	0.5	2.0



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
23400 88100	Soil	1.9	17.8	17.2	60	0.2	15.4	10.0	279	3.29	9.0	1.2	1.9	7.9	13	0.1	0.5	0.2	55	0.10	0.035
23400 88150	Soil	0.8	11.7	11.9	84	<0.1	6.7	8.9	464	3.10	3.0	2.4	0.5	7.5	17	<0.1	0.2	<0.1	37	0.16	0.051
23400 88200	Soil	1.7	11.2	11.3	69	0.2	15.7	7.4	473	2.82	7.1	0.8	1.5	6.4	15	<0.1	0.3	0.1	34	0.18	0.030
23400 88250	Soil	1.0	7.1	15.0	72	<0.1	7.6	4.9	220	1.84	4.6	0.3	<0.5	1.3	10	<0.1	0.3	0.1	27	0.11	0.037
23400 88300	Soil	1.1	9.7	12.7	43	<0.1	13.7	6.6	283	1.77	5.3	0.3	1.6	2.0	21	0.1	0.3	0.1	38	0.24	0.036
23400 88350	Soil	2.0	15.1	23.9	42	0.1	13.8	7.6	394	1.85	4.7	0.4	2.7	1.8	30	0.2	0.4	0.1	32	0.46	0.039
23400 88400	Soil	0.9	18.6	10.6	74	<0.1	19.0	10.0	372	3.24	6.1	0.9	3.8	5.6	26	<0.1	0.5	0.1	61	0.31	0.045
23500 87200	Soil	1.2	38.5	11.9	76	0.1	25.9	15.8	475	3.29	7.8	1.7	4.8	5.7	44	0.2	0.5	0.3	63	0.91	0.102
23500 87300	Soil	0.8	34.9	7.9	99	<0.1	24.1	17.1	630	4.26	1.8	0.6	5.0	8.2	38	<0.1	0.2	<0.1	61	0.75	0.174
23500 87350	Soil	1.7	36.9	14.1	101	0.1	61.8	20.2	883	4.51	4.5	1.7	2.7	10.0	71	0.3	0.5	0.2	73	1.41	0.266
23500 87400	Soil	1.5	40.0	12.6	95	<0.1	26.7	22.9	633	4.69	3.2	1.5	0.6	10.6	31	<0.1	0.2	0.1	92	0.61	0.086
23500 87450	Soil	2.0	15.8	14.4	49	0.1	10.5	8.1	280	2.80	15.5	3.3	2.9	13.1	51	<0.1	0.3	0.2	30	0.34	0.061
23500 87500	Soil	2.1	16.1	16.8	62	<0.1	7.1	9.9	482	3.42	16.2	4.5	4.8	18.9	52	<0.1	0.4	0.1	17	0.27	0.056
23500 87550	Soil	1.8	20.5	17.6	72	0.2	22.1	6.9	237	2.78	48.9	1.6	18.8	8.6	34	0.2	0.4	0.2	27	0.35	0.085
23500 87600	Soil	1.8	18.3	15.8	81	0.1	17.6	11.8	362	3.33	10.5	1.3	30.2	4.9	27	0.1	0.3	0.2	59	0.45	0.067
23500 87650	Soil	1.4	18.5	10.8	78	0.2	15.4	10.6	376	2.89	10.8	1.3	9.2	3.7	23	0.2	0.2	0.2	48	0.47	0.075
23500 87700	Soil	3.1	16.2	92.8	180	0.3	10.2	8.0	512	4.62	18.2	2.7	3.3	6.6	61	0.5	0.3	1.5	27	0.60	0.066
23500 87750	Soil	1.0	20.7	15.4	73	0.1	20.3	14.3	584	2.78	4.6	1.8	1.2	9.9	41	<0.1	0.2	<0.1	34	0.78	0.077
23500 87800	Soil	1.1	13.2	6.6	98	<0.1	7.7	12.5	796	3.78	3.5	2.0	1.4	11.6	18	<0.1	0.1	<0.1	40	0.43	0.105
23500 87850	Soil	1.0	16.3	12.4	67	<0.1	19.0	9.9	296	3.03	8.1	0.6	0.8	3.5	25	<0.1	0.4	0.1	53	0.24	0.031
23500 87900	Soil	2.3	12.4	24.9	45	<0.1	4.7	3.5	97	2.84	17.0	3.3	0.9	15.9	247	<0.1	0.2	0.2	14	0.16	0.045
23500 87950	Soil	1.4	7.7	43.8	117	<0.1	6.9	6.2	390	2.56	4.6	1.9	<0.5	7.8	15	0.2	0.2	0.5	13	0.20	0.034
23500 88000	Soil	2.8	19.6	318.3	105	1.1	8.3	3.5	102	2.98	43.5	2.6	14.9	17.4	37	0.1	0.2	8.4	21	0.11	0.037
23500 88050	Soil	3.1	19.6	124.2	92	0.4	13.2	5.2	215	4.12	30.6	3.1	4.5	14.6	64	<0.1	0.3	6.8	17	0.20	0.060
23500 88100	Soil	2.2	12.9	21.2	50	<0.1	9.8	7.2	354	3.11	6.5	1.4	1.6	8.0	19	<0.1	0.4	0.3	34	0.23	0.048
23500 88150	Soil	1.0	17.3	10.9	147	<0.1	18.0	8.5	263	3.22	11.2	0.5	0.7	3.9	18	<0.1	0.4	0.1	52	0.25	0.016
23500 88200	Soil	2.3	27.5	16.2	75	<0.1	9.3	6.8	365	2.85	9.3	1.0	0.6	4.1	14	<0.1	0.5	0.3	34	0.26	0.055
23500 88250	Soil	1.9	16.4	9.2	66	<0.1	20.2	10.2	513	3.03	5.0	0.7	1.0	3.3	22	<0.1	0.3	0.1	48	0.32	0.061
23500 88300	Soil	0.4	44.4	6.4	73	<0.1	14.9	15.9	569	3.61	4.3	0.3	0.5	2.6	22	<0.1	0.1	<0.1	56	0.38	0.090
23500 88350	Soil	1.5	13.4	12.5	58	<0.1	19.6	9.6	436	2.65	9.3	0.3	<0.5	1.8	26	0.1	0.4	0.1	54	0.41	0.026



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
23400 88100	Soil	12	27	0.45	172	0.040	<1	2.09	0.011	0.14	0.1	0.01	2.3	0.1	<0.05	6	<0.5	<0.2
23400 88150	Soil	11	13	0.65	165	0.182	<1	1.78	0.009	0.43	<0.1	<0.01	1.0	0.3	<0.05	5	<0.5	<0.2
23400 88200	Soil	12	21	0.59	269	0.072	<1	1.54	0.008	0.36	0.1	<0.01	2.3	0.2	<0.05	6	<0.5	<0.2
23400 88250	Soil	4	13	0.30	296	0.022	<1	1.18	0.007	0.14	<0.1	<0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
23400 88300	Soil	7	23	0.35	380	0.040	<1	1.20	0.009	0.09	<0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
23400 88350	Soil	7	23	0.30	739	0.030	<1	1.17	0.014	0.09	<0.1	0.01	2.2	<0.1	<0.05	3	<0.5	0.3
23400 88400	Soil	19	33	0.70	370	0.113	<1	1.95	0.016	0.12	0.1	0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
23500 87200	Soil	18	37	0.86	356	0.130	1	1.98	0.024	0.31	0.2	0.04	4.3	0.2	0.06	6	<0.5	<0.2
23500 87300	Soil	18	46	1.34	373	0.185	<1	2.40	0.010	1.04	0.2	0.02	3.9	0.3	<0.05	8	<0.5	<0.2
23500 87350	Soil	38	81	1.38	636	0.091	3	2.12	0.012	0.54	0.1	0.02	7.6	0.2	<0.05	7	<0.5	<0.2
23500 87400	Soil	27	46	1.69	287	0.195	<1	2.77	0.015	0.76	0.2	<0.01	4.2	0.3	<0.05	7	<0.5	<0.2
23500 87450	Soil	26	15	0.44	207	0.061	<1	1.31	0.059	0.19	<0.1	0.02	2.6	0.1	0.23	3	0.6	<0.2
23500 87500	Soil	36	9	0.35	180	0.070	<1	1.09	0.050	0.12	<0.1	0.01	2.6	<0.1	0.17	3	<0.5	<0.2
23500 87550	Soil	20	16	0.29	163	0.033	<1	0.85	0.008	0.16	<0.1	0.01	3.3	0.2	0.07	2	0.7	<0.2
23500 87600	Soil	13	26	0.62	269	0.091	<1	1.63	0.014	0.13	0.1	0.02	4.3	0.1	<0.05	5	0.6	<0.2
23500 87650	Soil	14	22	0.62	217	0.093	<1	1.48	0.012	0.13	0.1	0.02	3.3	0.1	<0.05	5	0.5	<0.2
23500 87700	Soil	22	13	0.42	235	0.047	<1	1.01	0.010	0.13	<0.1	0.02	2.5	<0.1	<0.05	3	0.5	0.7
23500 87750	Soil	26	31	0.92	170	0.107	1	1.80	0.041	0.32	<0.1	0.01	2.9	0.3	<0.05	4	<0.5	<0.2
23500 87800	Soil	42	13	1.17	250	0.248	<1	2.09	0.006	1.07	0.1	<0.01	2.5	0.7	<0.05	6	<0.5	<0.2
23500 87850	Soil	8	35	0.74	346	0.088	<1	1.81	0.009	0.21	0.1	<0.01	3.0	0.1	<0.05	5	<0.5	<0.2
23500 87900	Soil	31	8	0.13	159	0.038	<1	1.13	0.064	0.12	<0.1	<0.01	1.6	<0.1	0.27	3	1.0	0.4
23500 87950	Soil	7	11	0.17	120	0.011	<1	1.05	0.002	0.12	<0.1	<0.01	2.2	0.1	<0.05	4	<0.5	1.4
23500 88000	Soil	28	15	0.16	192	0.016	<1	0.95	0.017	0.08	<0.1	0.01	2.2	<0.1	0.05	3	2.4	4.6
23500 88050	Soil	35	12	0.19	569	0.030	<1	0.88	0.059	0.11	<0.1	0.01	3.1	<0.1	0.21	3	2.8	1.4
23500 88100	Soil	26	17	0.40	302	0.041	<1	1.39	0.006	0.17	0.1	0.01	2.5	0.1	<0.05	4	<0.5	<0.2
23500 88150	Soil	7	20	0.95	281	0.134	<1	2.12	0.008	0.41	0.1	<0.01	2.8	0.2	<0.05	10	<0.5	<0.2
23500 88200	Soil	35	10	0.63	229	0.052	<1	1.51	0.008	0.19	<0.1	<0.01	2.9	0.2	<0.05	4	0.7	0.3
23500 88250	Soil	14	26	1.25	153	0.080	<1	2.18	0.007	0.32	<0.1	<0.01	3.2	0.1	<0.05	6	<0.5	<0.2
23500 88300	Soil	4	15	1.45	184	0.236	<1	2.35	0.004	0.79	0.1	<0.01	1.1	0.2	<0.05	6	<0.5	<0.2
23500 88350	Soil	6	30	0.57	323	0.064	<1	1.72	0.010	0.12	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
23500 88400	Soil	0.8	38.9	8.7	72	<0.1	22.6	16.6	578	3.83	6.9	0.6	2.5	3.5	27	<0.1	0.4	<0.1	88	0.36	0.043
23500 87250	Soil	0.8	25.4	7.8	81	<0.1	22.4	17.6	662	4.14	5.4	0.4	0.7	3.9	32	<0.1	0.2	0.1	65	0.52	0.130
23600 87300	Soil	0.5	29.5	7.9	88	<0.1	19.2	13.1	459	2.77	2.7	0.5	0.6	4.3	42	<0.1	<0.1	<0.1	44	0.53	0.114
23600 87350	Soil	1.0	33.8	10.2	68	0.1	21.1	15.2	630	3.25	8.6	1.5	0.7	5.2	31	<0.1	0.4	0.3	62	0.50	0.065
23600 87400	Soil	2.6	56.2	13.8	66	<0.1	17.6	17.6	309	3.88	7.8	1.2	1.3	5.1	27	0.1	0.2	2.0	77	0.36	0.051
23600 87450	Soil	1.8	28.9	17.2	46	0.2	14.3	8.1	231	2.80	10.9	0.9	1.8	4.0	24	<0.1	0.3	2.2	49	0.26	0.024
23600 87500	Soil	1.3	28.8	16.3	68	0.1	20.6	10.9	527	3.30	19.0	2.2	3.0	6.7	28	0.1	0.5	0.2	51	0.54	0.069
23600 87550	Soil	0.8	15.1	8.5	85	<0.1	10.8	12.1	559	4.02	8.1	1.0	1.4	3.3	18	<0.1	0.2	0.1	81	0.49	0.098
23600 87600	Soil	0.8	14.5	8.9	72	0.1	12.2	10.5	583	3.29	5.8	1.0	14.9	3.8	23	<0.1	0.2	0.1	59	0.45	0.088
23600 87650	Soil	0.7	25.1	6.9	65	<0.1	18.4	13.9	369	3.45	5.2	0.5	5.0	2.7	18	<0.1	0.3	0.1	70	0.38	0.084
23600 87700	Soil	0.5	16.8	4.9	70	<0.1	12.6	18.4	547	3.20	3.8	0.3	3.7	1.3	28	<0.1	0.1	<0.1	84	0.83	0.166
23600 87750	Soil	1.1	21.5	12.6	66	0.1	15.5	12.0	512	2.83	8.3	1.9	21.3	11.8	32	0.2	0.3	0.1	51	0.69	0.069
23600 87850	Soil	1.7	15.3	36.9	77	0.2	10.4	6.1	201	2.60	12.1	2.4	9.2	8.7	48	0.2	0.3	0.6	33	0.31	0.042
23600 87900	Soil	2.4	14.9	51.6	179	0.3	13.9	8.8	385	4.19	36.5	6.4	4.8	14.5	113	0.4	0.3	0.6	23	0.49	0.080
23600 87950	Soil	2.9	30.5	178.6	266	1.0	15.6	6.5	283	3.74	30.6	4.9	14.3	15.9	59	0.6	0.3	5.0	21	0.35	0.055
23600 88000	Soil	3.2	20.2	90.7	77	0.5	12.4	6.8	241	3.36	26.3	3.3	4.2	12.0	59	0.2	0.3	5.4	30	0.37	0.050
23600 88050	Soil	1.7	13.0	7.9	74	<0.1	11.7	11.0	423	3.29	2.9	0.5	<0.5	1.3	24	0.1	0.1	<0.1	64	0.38	0.068
23600 88100	Soil	5.6	18.1	73.6	150	0.3	10.4	9.2	1410	3.28	18.0	1.4	2.6	8.5	34	0.4	0.3	0.6	31	0.38	0.060
23600 88150	Soil	1.1	15.7	9.1	66	<0.1	16.9	11.3	398	2.99	4.0	0.8	0.5	2.5	22	<0.1	0.2	<0.1	43	0.45	0.062
23600 88200	Soil	1.2	21.5	9.8	61	<0.1	19.9	11.6	415	2.95	5.5	0.4	<0.5	2.3	23	<0.1	0.3	0.1	57	0.36	0.044
23600 88250	Soil	1.5	32.1	9.9	65	<0.1	15.9	7.3	317	2.61	6.1	0.6	1.1	7.6	16	<0.1	0.3	0.1	42	0.23	0.029
23600 88300	Soil	1.3	18.6	12.3	48	<0.1	20.3	11.7	379	2.90	10.2	0.5	<0.5	7.2	27	0.1	0.4	0.2	60	0.64	0.022
23600 88350	Soil	1.0	28.1	12.9	71	<0.1	33.1	19.2	527	4.19	8.1	0.6	2.2	3.3	25	<0.1	0.5	0.1	94	0.49	0.054
23600 88400	Soil	1.7	9.7	10.1	59	0.2	12.9	6.2	407	3.08	3.5	0.6	0.5	4.1	22	0.1	0.3	0.2	43	0.22	0.037
23700 87150	Soil	0.7	22.4	8.4	89	<0.1	11.1	11.5	599	3.77	3.2	0.9	<0.5	7.1	30	0.1	0.2	<0.1	39	0.41	0.093
23700 87200	Soil	0.8	27.7	9.0	93	<0.1	22.2	19.7	541	4.29	5.2	0.4	<0.5	2.8	35	<0.1	0.3	<0.1	70	0.42	0.100
23700 87250	Soil	1.1	34.1	8.9	110	<0.1	31.7	21.3	710	4.84	4.3	0.5	0.9	5.2	36	<0.1	0.2	<0.1	77	0.42	0.058
23700 87300	Soil	1.0	31.1	10.5	70	<0.1	24.7	15.9	443	3.59	7.9	0.5	0.5	4.0	30	0.1	0.4	0.1	68	0.42	0.051
23700 87350	Soil	1.4	24.6	11.9	90	<0.1	23.9	16.3	553	3.82	7.2	1.3	1.4	9.9	26	<0.1	0.3	0.2	67	0.35	0.027
23700 87400	Soil	2.2	31.5	31.0	89	0.2	15.6	9.8	367	3.41	33.9	2.6	4.0	15.7	32	0.2	0.6	2.2	38	0.31	0.049



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
23500 88400	Soil	57	32	1.44	437	0.192	<1	2.41	0.011	0.44	0.1	<0.01	3.8	0.2	<0.05	7	<0.5	<0.2
23500 87250	Soil	6	47	1.24	380	0.219	<1	2.33	0.010	0.89	0.2	<0.01	2.5	0.2	<0.05	7	<0.5	0.2
23600 87300	Soil	9	49	1.21	174	0.154	<1	1.80	0.008	0.53	<0.1	<0.01	1.8	0.2	<0.05	5	<0.5	<0.2
23600 87350	Soil	17	32	0.94	281	0.137	<1	1.84	0.016	0.43	0.2	0.01	3.4	0.2	<0.05	5	<0.5	<0.2
23600 87400	Soil	12	29	0.85	203	0.063	<1	1.95	0.011	0.33	0.1	<0.01	4.2	0.3	<0.05	6	1.5	0.4
23600 87450	Soil	12	23	0.45	234	0.080	<1	1.44	0.015	0.20	0.1	0.01	2.8	0.2	<0.05	5	<0.5	<0.2
23600 87500	Soil	29	24	0.44	322	0.058	<1	1.47	0.013	0.20	0.1	0.03	4.7	<0.1	<0.05	5	0.8	<0.2
23600 87550	Soil	12	19	0.98	349	0.186	<1	2.01	0.011	0.65	0.1	<0.01	5.7	0.2	<0.05	7	0.6	<0.2
23600 87600	Soil	14	22	0.59	327	0.099	<1	1.52	0.010	0.16	0.1	0.02	5.1	0.1	<0.05	6	<0.5	<0.2
23600 87650	Soil	9	34	0.90	211	0.159	<1	1.86	0.017	0.37	0.1	0.01	3.9	0.2	<0.05	6	0.6	<0.2
23600 87700	Soil	5	18	1.69	261	0.194	<1	2.19	0.013	0.47	0.1	<0.01	2.1	0.1	<0.05	5	<0.5	<0.2
23600 87750	Soil	42	27	0.64	210	0.103	<1	1.61	0.013	0.21	0.2	0.03	3.6	0.2	<0.05	5	<0.5	0.2
23600 87850	Soil	24	18	0.38	176	0.062	<1	1.15	0.014	0.08	<0.1	<0.01	2.3	<0.1	<0.05	3	0.8	1.8
23600 87900	Soil	37	28	0.51	245	0.094	<1	1.69	0.056	0.16	<0.1	<0.01	3.0	0.1	0.26	4	1.6	1.0
23600 87950	Soil	30	25	0.45	215	0.038	<1	1.40	0.015	0.10	<0.1	0.02	3.3	0.1	0.09	3	2.9	3.4
23600 88000	Soil	31	17	0.29	348	0.043	<1	1.24	0.017	0.12	<0.1	0.02	2.9	<0.1	<0.05	4	2.9	0.9
23600 88050	Soil	5	13	0.80	262	0.173	<1	1.88	0.009	0.52	<0.1	<0.01	1.5	0.2	<0.05	6	<0.5	<0.2
23600 88100	Soil	27	15	0.18	589	0.014	<1	1.14	0.010	0.14	<0.1	<0.01	2.2	<0.1	<0.05	4	0.6	0.7
23600 88150	Soil	12	17	1.17	325	0.124	1	2.02	0.007	0.43	0.1	<0.01	1.9	0.2	<0.05	6	<0.5	<0.2
23600 88200	Soil	6	25	0.94	184	0.119	<1	1.92	0.009	0.28	0.2	<0.01	2.2	0.1	<0.05	5	<0.5	<0.2
23600 88250	Soil	19	20	1.03	157	0.115	1	1.80	0.009	0.43	<0.1	0.01	3.9	0.1	<0.05	5	<0.5	0.2
23600 88300	Soil	17	34	0.55	251	0.065	2	1.73	0.010	0.25	<0.1	0.01	5.0	<0.1	<0.05	5	<0.5	<0.2
23600 88350	Soil	14	51	1.39	316	0.072	1	2.43	0.011	0.19	0.1	0.02	9.8	<0.1	<0.05	7	0.5	<0.2
23600 88400	Soil	23	19	0.55	686	0.062	1	1.72	0.009	0.36	0.1	<0.01	2.3	0.2	<0.05	6	<0.5	<0.2
23700 87150	Soil	9	20	0.92	263	0.108	<1	2.01	0.012	0.33	<0.1	<0.01	1.6	0.1	<0.05	7	<0.5	<0.2
23700 87200	Soil	6	39	1.55	337	0.228	1	2.63	0.014	0.81	0.1	<0.01	2.0	0.2	<0.05	7	<0.5	<0.2
23700 87250	Soil	8	69	1.74	383	0.250	1	2.87	0.009	1.13	0.2	<0.01	2.5	0.4	<0.05	7	<0.5	<0.2
23700 87300	Soil	6	43	1.10	228	0.170	2	2.17	0.013	0.43	0.1	<0.01	2.5	0.2	<0.05	5	<0.5	<0.2
23700 87350	Soil	9	41	1.35	180	0.161	1	2.29	0.009	0.83	0.2	<0.01	2.8	0.5	<0.05	7	<0.5	<0.2
23700 87400	Soil	42	24	0.54	277	0.067	<1	1.59	0.017	0.26	0.1	0.02	3.6	0.2	<0.05	4	0.9	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
23700 87450	Soil	2.0	28.3	22.3	59	<0.1	57.0	19.4	463	4.71	22.3	2.8	0.9	19.1	115	<0.1	0.5	0.2	75	0.73	0.202
23700 87500	Soil	1.2	21.9	18.9	78	<0.1	10.8	9.1	309	3.45	7.3	2.6	0.7	16.6	18	<0.1	0.3	0.2	42	0.25	0.039
23700 87550	Soil	0.7	21.8	8.3	80	<0.1	13.6	13.3	808	4.18	5.1	0.9	3.3	4.4	22	<0.1	0.3	0.1	81	0.51	0.091
23700 87600	Soil	0.8	16.3	7.6	89	<0.1	12.4	12.0	742	3.80	4.4	0.7	14.2	3.9	19	<0.1	0.2	0.1	67	0.47	0.113
23700 87650	Soil	0.9	16.1	9.1	69	<0.1	14.2	9.6	387	3.27	5.7	0.8	5.2	3.2	23	<0.1	0.3	0.1	70	0.46	0.058
23700 87700	Soil	0.8	18.4	20.7	81	<0.1	12.9	10.3	390	2.80	6.6	1.2	9.7	17.9	22	0.1	0.2	0.2	37	0.48	0.077
23700 87750	Soil	0.8	17.5	9.2	67	<0.1	13.4	10.2	310	2.81	5.0	1.3	6.0	13.1	25	<0.1	0.2	<0.1	44	0.59	0.077
23700 87850	Soil	1.0	7.9	8.4	54	<0.1	9.2	14.0	513	2.26	4.7	1.1	3.8	2.7	24	<0.1	0.2	0.1	38	0.35	0.063
23700 87950	Soil	14.9	78.7	643.8	600	2.5	10.0	11.0	436	7.45	64.6	2.3	8.4	16.1	18	0.8	0.4	11.3	15	0.20	0.082
23700 88100	Soil	0.6	16.1	10.8	64	<0.1	11.4	11.7	537	3.32	2.3	0.9	<0.5	2.9	18	<0.1	0.2	<0.1	52	0.54	0.109
23700 88150	Soil	1.9	16.7	11.1	63	<0.1	15.9	12.4	611	4.00	6.0	1.0	<0.5	2.4	22	<0.1	0.4	0.1	66	0.33	0.050
23700 88200	Soil	1.8	17.7	14.2	71	<0.1	12.2	10.0	363	2.33	15.0	0.5	0.7	2.2	20	<0.1	0.2	0.1	33	0.44	0.061
23700 88250	Soil	1.0	40.4	12.4	60	<0.1	33.8	15.7	321	3.50	11.1	0.8	2.3	5.0	23	<0.1	0.5	0.1	80	0.39	0.040
23700 88300	Soil	0.6	35.6	10.2	63	<0.1	13.5	16.2	442	3.48	7.3	0.4	1.0	1.9	19	<0.1	0.2	<0.1	77	0.54	0.054
23700 88350	Soil	1.4	11.7	13.7	47	<0.1	18.9	8.3	269	2.74	6.9	0.5	1.2	4.1	17	<0.1	0.5	0.1	53	0.20	0.015
23700 88400	Soil	0.9	29.6	14.2	70	<0.1	20.8	17.8	520	4.42	4.7	0.3	0.6	1.5	25	<0.1	0.3	<0.1	97	0.58	0.080
23800 87050	Soil	0.6	57.1	5.4	104	<0.1	23.5	26.9	877	4.84	1.5	1.5	0.6	6.2	52	<0.1	<0.1	<0.1	71	0.84	0.202
23800 87100	Soil	0.7	52.7	7.0	104	<0.1	14.4	20.5	923	5.08	1.8	1.7	1.0	3.9	67	<0.1	0.1	<0.1	78	0.89	0.209
23800 87150	Soil	1.1	23.8	16.5	79	<0.1	23.7	18.6	917	4.37	4.9	1.0	0.8	11.6	35	<0.1	0.4	0.1	63	0.45	0.070
23800 87200	Soil	1.1	20.9	12.7	101	<0.1	28.5	14.2	567	3.41	4.6	0.5	1.6	3.1	47	0.1	0.3	<0.1	61	0.53	0.053
23800 87250	Soil	1.1	28.5	12.6	65	<0.1	28.2	14.1	700	3.34	9.5	0.9	3.3	6.2	31	<0.1	0.6	0.2	68	0.46	0.036
23800 87300	Soil	2.7	25.1	22.0	102	<0.1	27.2	14.6	491	4.15	6.2	2.6	1.1	15.7	22	<0.1	0.4	0.3	62	0.38	0.060
23800 87350	Soil	1.8	26.7	34.1	98	0.3	20.6	9.7	639	3.07	22.1	2.5	3.9	11.2	30	0.2	0.4	1.8	49	0.28	0.026
23800 87400	Soil	1.9	18.3	14.2	69	0.1	11.6	13.1	425	3.88	8.5	2.0	1.8	9.1	28	<0.1	0.3	0.2	70	0.30	0.060
23800 87450	Soil	1.7	11.6	14.9	36	0.1	14.5	6.2	421	2.04	7.8	0.8	<0.5	8.2	18	<0.1	0.3	0.1	41	0.24	0.020
23800 87500	Soil	0.9	16.7	6.6	80	<0.1	8.3	11.9	833	4.17	3.0	0.5	3.9	2.7	16	<0.1	0.2	<0.1	68	0.35	0.071
23800 87550	Soil	1.0	19.3	9.0	77	<0.1	14.4	10.5	714	3.36	5.8	0.5	1.3	2.6	14	<0.1	0.3	0.1	71	0.26	0.068
23800 87600	Soil	1.1	18.0	9.9	88	0.1	16.5	10.3	501	2.83	5.4	1.0	1.8	3.3	25	0.2	0.3	0.1	60	0.48	0.063
23800 87650	Soil	1.0	28.5	9.2	65	0.1	19.3	14.9	640	3.44	6.4	0.8	16.8	2.5	29	0.2	0.3	<0.1	68	0.69	0.094
23800 87700	Soil	1.3	16.7	12.0	52	<0.1	12.0	10.4	368	2.61	7.2	1.2	17.2	9.7	23	<0.1	0.5	<0.1	47	0.52	0.063



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
23700 87450	Soil	48	91	1.43	504	0.118	<1	2.17	0.074	0.34	<0.1	<0.01	5.4	0.2	0.33	7	0.6	<0.2
23700 87500	Soil	22	18	0.53	204	0.062	<1	1.62	0.006	0.38	<0.1	<0.01	2.6	0.3	<0.05	6	0.5	<0.2
23700 87550	Soil	23	21	1.07	361	0.165	<1	2.15	0.012	0.58	0.1	0.02	7.9	0.3	<0.05	8	<0.5	<0.2
23700 87600	Soil	13	21	0.73	340	0.115	<1	1.73	0.010	0.40	0.1	<0.01	5.9	0.2	<0.05	7	<0.5	<0.2
23700 87650	Soil	15	26	0.74	282	0.133	<1	1.86	0.014	0.19	0.1	0.02	5.7	0.1	<0.05	7	<0.5	<0.2
23700 87700	Soil	33	21	0.80	240	0.092	<1	1.71	0.013	0.36	<0.1	0.02	3.2	0.2	<0.05	5	0.7	<0.2
23700 87750	Soil	26	23	0.64	155	0.105	<1	1.51	0.013	0.32	0.1	0.01	2.8	0.2	<0.05	5	<0.5	<0.2
23700 87850	Soil	13	18	0.54	168	0.085	<1	1.31	0.011	0.13	<0.1	0.02	1.9	0.2	<0.05	4	0.6	<0.2
23700 87950	Soil	17	11	0.29	221	0.023	1	0.89	0.011	0.10	0.2	0.03	2.3	<0.1	0.13	3	3.9	2.6
23700 88100	Soil	16	13	1.04	360	0.127	<1	1.99	0.007	0.65	<0.1	0.01	3.3	0.2	<0.05	5	0.6	<0.2
23700 88150	Soil	10	25	0.72	398	0.092	<1	1.95	0.010	0.32	<0.1	<0.01	3.9	0.1	<0.05	6	<0.5	<0.2
23700 88200	Soil	7	15	1.11	102	0.096	<1	1.68	0.008	0.40	<0.1	<0.01	1.3	0.2	<0.05	4	<0.5	<0.2
23700 88250	Soil	18	44	0.96	177	0.138	1	2.14	0.019	0.22	0.1	0.02	7.4	<0.1	<0.05	7	0.6	<0.2
23700 88300	Soil	6	17	0.82	301	0.174	1	1.87	0.033	0.54	0.1	<0.01	6.3	0.1	<0.05	7	0.5	<0.2
23700 88350	Soil	14	33	0.47	314	0.052	<1	1.75	0.012	0.13	0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
23700 88400	Soil	5	36	1.39	286	0.191	1	2.73	0.030	0.21	<0.1	<0.01	5.7	<0.1	<0.05	9	<0.5	<0.2
23800 87050	Soil	13	49	2.04	371	0.231	<1	2.60	0.015	1.01	0.1	<0.01	2.4	0.3	<0.05	7	0.6	<0.2
23800 87100	Soil	10	25	1.71	513	0.247	<1	2.83	0.010	1.02	<0.1	<0.01	3.1	0.3	<0.05	8	<0.5	<0.2
23800 87150	Soil	10	44	1.16	401	0.039	2	2.38	0.009	0.25	0.1	<0.01	5.0	<0.1	<0.05	9	<0.5	<0.2
23800 87200	Soil	5	60	1.27	521	0.153	1	2.24	0.010	0.66	0.1	<0.01	2.5	0.2	<0.05	7	<0.5	<0.2
23800 87250	Soil	20	44	0.74	337	0.114	2	1.84	0.029	0.26	<0.1	0.02	5.8	0.1	<0.05	5	0.5	<0.2
23800 87300	Soil	15	55	1.16	228	0.119	1	2.36	0.006	0.82	0.1	<0.01	4.5	0.4	<0.05	7	0.6	<0.2
23800 87350	Soil	42	32	0.44	284	0.060	2	1.58	0.017	0.14	0.1	0.04	5.6	0.1	<0.05	5	1.0	<0.2
23800 87400	Soil	18	18	0.55	242	0.050	<1	1.77	0.029	0.21	0.1	<0.01	5.1	<0.1	0.09	5	0.7	<0.2
23800 87450	Soil	17	24	0.32	230	0.044	<1	1.09	0.012	0.13	0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
23800 87500	Soil	7	15	0.91	356	0.133	2	1.95	0.011	0.70	<0.1	<0.01	4.3	0.2	<0.05	7	<0.5	<0.2
23800 87550	Soil	12	22	0.68	353	0.117	1	1.84	0.012	0.23	<0.1	0.01	4.4	0.1	<0.05	7	<0.5	<0.2
23800 87600	Soil	24	29	0.68	383	0.105	2	1.71	0.015	0.21	0.1	0.02	5.5	0.1	<0.05	6	0.5	<0.2
23800 87650	Soil	12	40	1.09	322	0.087	2	1.88	0.019	0.17	0.1	0.02	4.8	<0.1	<0.05	6	0.6	0.3
23800 87700	Soil	34	21	0.60	187	0.095	1	1.32	0.015	0.23	<0.1	0.01	2.4	0.1	<0.05	5	0.5	0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
23800 87750	Soil	1.4	17.2	13.6	82	0.2	10.5	9.7	440	3.09	8.9	3.5	20.2	9.2	29	0.1	0.3	<0.1	39	0.64	0.077
23800 87900	Soil	1.1	15.6	32.2	100	0.3	24.4	6.5	194	2.35	7.6	2.1	5.4	5.5	29	0.4	0.2	0.7	40	0.33	0.072
23800 87950	Soil	2.7	22.9	96.3	115	1.0	9.2	6.4	305	4.33	35.2	2.7	7.0	9.4	66	0.3	0.3	6.5	34	0.13	0.059
23800 88000	Soil	3.1	21.0	51.5	133	0.3	9.1	6.9	261	3.66	25.3	3.7	5.6	13.1	69	0.1	0.3	2.0	32	0.14	0.050
23800 88050	Soil	2.4	12.8	50.1	75	0.2	9.3	5.8	272	3.03	16.1	2.1	2.6	7.2	29	0.1	0.3	0.7	44	0.13	0.046
23800 88100	Soil	2.4	16.7	55.5	104	0.4	10.8	12.3	432	2.85	13.8	2.8	3.6	9.4	33	0.3	0.4	0.3	34	0.61	0.063
23800 88150	Soil	2.0	19.7	35.8	84	<0.1	9.3	12.4	524	3.24	6.5	2.1	1.1	16.7	23	0.2	0.3	0.7	17	0.30	0.075
23800 88200	Soil	0.9	18.8	8.2	64	0.2	12.2	7.3	265	2.35	3.6	1.7	5.4	3.1	29	0.1	0.2	<0.1	48	0.55	0.068
23800 88250	Soil	0.7	32.0	10.4	85	0.2	18.1	12.8	726	3.14	5.2	0.5	2.1	2.3	47	0.1	0.3	<0.1	57	1.18	0.109
23800 88300	Soil	0.9	34.8	14.3	71	<0.1	19.1	19.6	629	4.14	4.9	0.3	0.9	1.5	32	0.2	0.4	0.1	81	0.74	0.069
23800 88350	Soil	1.9	14.0	15.7	71	<0.1	18.0	11.0	697	3.90	4.8	0.5	1.0	5.0	25	<0.1	0.4	0.1	56	0.44	0.030
23800 88400	Soil	1.0	8.3	10.6	90	<0.1	14.3	10.1	517	3.05	5.5	0.4	1.7	2.4	19	<0.1	0.4	0.1	53	0.19	0.028
23900 87000	Soil	0.6	46.7	7.9	111	<0.1	23.1	22.8	752	5.07	1.8	2.1	<0.5	8.8	60	<0.1	0.1	<0.1	73	0.77	0.125
23900 87050	Soil	1.1	32.3	12.3	62	0.1	26.2	14.7	548	3.26	9.4	6.1	3.1	6.1	39	<0.1	0.4	0.2	64	0.46	0.053
23900 87100	Soil	1.2	22.7	14.5	54	<0.1	25.3	11.9	537	2.91	9.6	3.3	2.4	5.4	34	<0.1	0.4	0.2	60	0.44	0.040
23900 87150	Soil	0.8	16.4	8.9	75	<0.1	17.9	17.4	769	4.13	2.7	0.3	<0.5	2.9	34	<0.1	0.2	<0.1	62	0.47	0.060
23900 87200	Soil	1.1	14.7	13.9	81	<0.1	18.7	12.8	553	3.01	3.1	0.4	0.6	4.3	26	<0.1	0.2	0.1	47	0.37	0.036
23900 87250	Soil	1.1	18.6	7.9	125	<0.1	28.3	21.4	640	4.14	3.6	0.9	<0.5	6.1	36	<0.1	0.2	0.1	72	0.54	0.035
23900 87300	Soil	1.4	20.2	24.4	83	0.5	15.7	17.3	890	3.36	23.9	1.0	<0.5	6.4	31	0.3	0.3	1.1	51	0.33	0.025
23900 87350	Soil	2.2	14.2	20.2	51	0.1	9.3	8.9	338	3.14	29.4	2.5	1.1	13.2	42	0.1	0.3	1.0	32	0.23	0.037
23900 87400	Soil	1.3	12.5	9.4	72	<0.1	11.5	9.4	405	3.41	6.6	1.2	<0.5	5.9	20	<0.1	0.2	<0.1	55	0.28	0.044
23900 87450	Soil	0.8	11.3	6.6	97	0.2	11.6	13.3	1315	3.70	4.1	0.3	<0.5	2.6	21	0.2	0.3	0.1	70	0.51	0.038
23900 87500	Soil	0.9	11.2	8.8	142	<0.1	14.8	13.2	987	3.24	6.3	0.4	1.1	2.7	36	0.1	0.3	0.1	66	0.81	0.097
23900 87550	Soil	0.7	16.6	7.9	80	<0.1	17.8	13.0	352	2.81	5.1	0.6	1.3	3.6	20	<0.1	0.2	0.1	50	0.33	0.063
23900 87600	Soil	1.1	13.2	11.8	85	<0.1	10.6	10.0	746	3.18	4.5	0.6	<0.5	2.9	17	<0.1	0.2	0.1	68	0.35	0.085
23900 87650	Soil	1.0	28.6	9.0	52	<0.1	19.6	12.3	332	2.90	5.2	0.6	1.6	2.5	23	<0.1	0.3	0.1	74	0.42	0.041
23900 87700	Soil	1.2	29.9	8.7	79	0.1	11.7	14.0	736	3.50	5.1	0.6	7.0	2.6	27	<0.1	0.2	<0.1	76	0.70	0.119
23900 87750	Soil	1.3	11.1	7.9	96	<0.1	6.3	12.7	653	3.77	7.0	1.8	26.1	6.3	56	<0.1	0.5	<0.1	45	0.45	0.093
23900 87800	Soil	0.9	8.7	10.7	88	<0.1	8.2	11.9	441	3.31	5.0	0.8	0.7	3.7	21	<0.1	0.2	<0.1	45	0.34	0.081
23900 87850	Soil	1.9	21.8	68.8	123	1.1	23.1	8.3	339	3.72	18.5	5.3	11.5	12.0	27	0.6	0.3	4.1	43	0.35	0.068



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
23800 87750	Soil	32	16	0.69	227	0.117	<1	1.70	0.012	0.43	<0.1	0.02	2.7	0.3	<0.05	5	<0.5	0.2
23800 87900	Soil	23	28	0.56	204	0.064	2	1.35	0.017	0.08	0.1	0.03	2.5	0.1	<0.05	4	<0.5	1.3
23800 87950	Soil	27	16	0.34	181	0.068	1	1.31	0.177	0.19	<0.1	0.02	2.4	0.2	0.64	4	2.9	2.6
23800 88000	Soil	39	19	0.44	191	0.058	1	1.60	0.119	0.16	<0.1	0.02	2.5	0.1	0.43	4	2.2	0.6
23800 88050	Soil	18	18	0.30	114	0.056	<1	1.20	0.034	0.11	<0.1	0.01	1.8	<0.1	0.14	4	1.6	0.7
23800 88100	Soil	34	15	0.32	219	0.039	1	1.13	0.018	0.11	0.1	0.03	3.0	<0.1	0.07	3	1.0	0.2
23800 88150	Soil	32	12	0.29	368	0.020	2	1.10	0.013	0.15	<0.1	<0.01	2.4	0.1	<0.05	3	0.8	0.3
23800 88200	Soil	16	24	0.60	320	0.075	1	1.53	0.018	0.15	<0.1	0.05	4.4	<0.1	<0.05	5	<0.5	0.3
23800 88250	Soil	10	21	1.06	428	0.106	2	1.72	0.023	0.33	0.1	0.02	3.2	0.1	<0.05	6	0.5	<0.2
23800 88300	Soil	6	25	0.89	234	0.067	1	2.00	0.026	0.17	<0.1	0.02	5.0	<0.1	<0.05	7	<0.5	0.3
23800 88350	Soil	14	29	0.74	498	0.084	2	2.07	0.015	0.37	<0.1	0.01	4.2	0.1	<0.05	8	<0.5	<0.2
23800 88400	Soil	9	26	0.53	539	0.054	<1	1.70	0.013	0.32	<0.1	<0.01	2.9	<0.1	<0.05	7	<0.5	<0.2
23900 87000	Soil	15	41	2.00	287	0.219	<1	2.82	0.013	0.47	<0.1	<0.01	2.0	0.3	<0.05	8	<0.5	<0.2
23900 87050	Soil	18	39	0.76	437	0.097	2	2.02	0.026	0.14	0.2	0.04	4.6	<0.1	<0.05	6	0.7	<0.2
23900 87100	Soil	15	37	0.68	338	0.086	1	1.83	0.019	0.13	0.1	0.01	4.3	<0.1	<0.05	5	0.7	<0.2
23900 87150	Soil	5	34	1.15	386	0.135	1	2.29	0.015	0.24	0.1	0.01	2.7	0.1	<0.05	7	<0.5	<0.2
23900 87200	Soil	8	44	0.96	290	0.081	2	1.91	0.012	0.48	<0.1	<0.01	2.8	0.1	<0.05	6	<0.5	<0.2
23900 87250	Soil	12	47	1.68	260	0.225	1	2.65	0.013	1.00	0.1	<0.01	2.3	0.5	<0.05	7	<0.5	<0.2
23900 87300	Soil	15	25	0.42	309	0.054	2	1.73	0.018	0.31	<0.1	0.02	3.9	0.2	<0.05	5	0.7	0.4
23900 87350	Soil	25	15	0.34	179	0.044	1	1.20	0.072	0.23	<0.1	<0.01	2.8	0.1	0.24	4	0.8	0.9
23900 87400	Soil	16	21	0.81	355	0.113	2	1.86	0.016	0.49	<0.1	<0.01	3.3	0.2	<0.05	6	0.5	<0.2
23900 87450	Soil	7	19	0.75	643	0.115	<1	1.81	0.014	0.47	<0.1	<0.01	6.3	0.1	<0.05	8	<0.5	<0.2
23900 87500	Soil	7	22	0.81	343	0.124	2	1.97	0.013	0.53	0.2	0.02	4.7	0.2	<0.05	8	<0.5	<0.2
23900 87550	Soil	14	23	0.77	214	0.081	1	1.73	0.013	0.17	<0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
23900 87600	Soil	12	20	0.77	248	0.146	1	1.87	0.014	0.40	<0.1	0.01	6.4	0.2	<0.05	9	<0.5	<0.2
23900 87650	Soil	10	34	0.97	252	0.140	1	1.93	0.019	0.13	0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
23900 87700	Soil	9	16	1.05	267	0.130	<1	2.02	0.023	0.38	<0.1	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
23900 87750	Soil	22	13	1.10	296	0.205	<1	2.30	0.018	0.74	0.1	0.01	1.8	0.5	<0.05	7	0.6	0.7
23900 87800	Soil	9	17	0.92	167	0.158	<1	1.96	0.016	0.59	0.1	<0.01	1.5	0.4	<0.05	6	<0.5	<0.2
23900 87850	Soil	50	31	0.45	248	0.031	<1	2.33	0.014	0.09	<0.1	0.05	4.5	0.2	<0.05	6	1.0	1.8



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
23900 87900	Soil	2.2	25.5	44.8	74	0.4	15.3	5.1	147	2.38	10.7	2.2	7.9	3.6	30	0.4	0.2	1.2	31	0.15	0.052
23900 87950	Soil	2.6	17.1	39.0	61	0.3	9.9	5.0	164	2.89	18.4	3.7	9.1	12.6	44	0.2	0.4	1.0	27	0.12	0.046
23900 88000	Soil	2.0	16.8	45.9	68	0.3	8.7	6.8	268	2.49	14.2	4.6	6.4	10.9	49	0.4	0.4	0.6	21	0.19	0.056
23900 88050	Soil	1.9	19.4	95.0	89	0.5	9.1	4.9	177	2.60	17.1	3.7	8.1	8.9	41	0.3	0.3	0.7	29	0.19	0.055
23900 88100	Soil	1.7	16.2	15.5	56	0.1	14.6	7.3	245	2.46	9.4	1.6	4.0	6.1	31	<0.1	0.3	0.2	44	0.32	0.051
23900 88150	Soil	2.2	12.0	19.3	59	0.2	10.4	5.5	210	2.33	12.4	2.2	3.1	8.4	38	<0.1	0.4	0.2	37	0.28	0.041
23900 88200	Soil	1.8	16.9	11.7	61	0.1	14.3	7.7	251	2.56	30.4	1.7	4.0	6.8	36	<0.1	0.3	0.1	50	0.38	0.048
23900 88250	Soil	1.9	16.2	12.9	77	0.1	13.9	8.4	352	2.71	16.4	1.1	1.9	6.2	36	0.1	0.3	0.2	43	0.45	0.058
23900 88350	Soil	1.3	18.8	15.7	75	0.3	16.5	8.2	287	2.47	5.8	0.9	4.8	2.8	36	0.2	0.3	0.2	50	0.50	0.054
23900 88400	Soil	2.9	17.4	11.8	99	<0.1	7.4	9.5	857	6.51	2.9	1.5	1.8	7.5	41	<0.1	0.4	<0.1	21	0.51	0.139
24200 87200	Soil	1.6	34.4	30.3	90	0.2	18.6	10.8	305	3.15	11.1	3.3	2.3	10.0	38	0.1	0.4	1.1	50	0.30	0.035
24200 87250	Soil	2.1	41.8	47.6	123	0.3	9.5	10.8	274	3.61	22.5	5.5	3.4	20.0	56	0.3	0.4	2.0	24	0.22	0.044
24200 87300	Soil	3.4	18.3	25.8	39	0.4	12.0	5.8	192	3.29	43.2	1.8	1.3	15.8	44	<0.1	0.4	1.1	38	0.21	0.033
24200 87350	Soil	0.7	21.9	7.3	80	<0.1	15.9	14.3	622	4.03	5.2	0.5	1.3	3.8	16	<0.1	0.3	0.1	84	0.28	0.045
24200 87400	Soil	0.8	13.9	10.3	89	<0.1	16.7	13.3	462	3.20	6.9	0.5	1.0	3.8	16	<0.1	0.4	0.1	63	0.31	0.072
24200 87450	Soil	0.6	26.4	9.9	88	<0.1	22.9	14.1	410	3.24	10.7	0.6	0.7	5.1	18	<0.1	0.4	0.1	64	0.29	0.041
24200 87500	Soil	2.4	44.6	5.1	137	<0.1	13.3	15.4	840	4.13	2.4	0.5	<0.5	4.4	13	<0.1	0.2	<0.1	77	0.40	0.128
24200 87550	Soil	0.6	13.6	10.5	71	<0.1	10.0	10.4	732	3.35	2.0	0.4	<0.5	1.9	17	<0.1	0.1	<0.1	67	0.32	0.071
24200 87600	Soil	0.6	37.7	7.2	78	<0.1	44.8	14.9	508	3.86	2.9	0.5	<0.5	3.3	17	<0.1	0.2	0.2	77	0.25	0.041
24200 87650	Soil	2.1	14.3	25.0	52	<0.1	12.1	7.6	312	2.34	104.1	1.9	0.7	14.6	12	<0.1	1.5	0.2	37	0.15	0.025
24200 87700	Soil	1.1	23.8	12.2	67	<0.1	20.8	10.7	390	2.99	8.4	1.9	6.2	9.8	26	<0.1	0.4	0.1	55	0.31	0.029
24200 87750	Soil	1.6	34.8	20.3	53	0.2	6.5	4.6	360	2.75	8.7	3.5	<0.5	12.0	41	0.1	0.2	0.3	33	0.14	0.051
24200 87800	Soil	2.2	15.9	69.4	78	0.6	11.3	5.4	421	2.75	13.0	1.2	<0.5	5.0	37	0.3	0.4	0.9	51	0.43	0.059
24200 87850	Soil	3.3	62.9	64.1	112	0.1	21.2	12.4	469	4.61	11.3	3.2	3.0	13.4	30	<0.1	0.6	1.3	28	0.14	0.032
24200 87900	Soil	1.3	24.8	19.8	73	0.2	13.6	8.1	352	3.56	7.2	2.5	1.5	7.7	24	0.1	0.4	0.3	60	0.12	0.055
24200 87950	Soil	1.9	20.7	15.3	38	<0.1	15.8	7.1	191	2.65	12.8	2.1	3.6	10.1	34	<0.1	0.4	0.2	47	0.15	0.026
24200 88000	Soil	5.8	15.0	21.0	70	0.2	39.4	15.3	409	3.73	40.7	4.1	7.0	14.0	88	0.1	0.2	0.4	32	0.27	0.071
24200 88050	Soil	1.3	20.9	18.2	102	0.1	7.6	11.6	675	3.74	6.4	1.4	0.5	7.6	15	<0.1	0.7	0.2	40	0.21	0.081
24200 88100	Soil	4.1	29.1	11.3	114	<0.1	16.1	13.6	328	4.52	9.4	0.5	1.1	2.2	23	<0.1	0.3	0.1	124	0.51	0.116
24200 88150	Soil	1.6	19.7	15.1	63	<0.1	21.4	10.4	363	2.93	9.4	0.9	1.0	5.0	25	0.1	0.5	0.2	60	0.25	0.033



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
23900 87900	Soil	19	23	0.37	161	0.042	<1	1.20	0.017	0.08	<0.1	0.03	2.5	0.2	0.09	4	1.4	0.9
23900 87950	Soil	31	16	0.29	191	0.037	1	1.18	0.053	0.10	0.1	0.01	2.3	0.1	0.21	3	1.7	0.4
23900 88000	Soil	35	13	0.28	145	0.038	<1	1.10	0.045	0.11	<0.1	0.03	2.6	<0.1	0.20	3	1.2	0.4
23900 88050	Soil	30	15	0.35	147	0.052	<1	1.30	0.024	0.08	<0.1	0.03	3.0	0.1	0.10	4	2.1	0.6
23900 88100	Soil	18	25	0.47	185	0.077	1	1.32	0.016	0.08	0.2	0.03	3.0	0.1	<0.05	4	<0.5	<0.2
23900 88150	Soil	20	18	0.42	171	0.094	2	1.22	0.031	0.12	0.1	0.01	2.3	0.1	0.10	4	<0.5	0.3
23900 88200	Soil	21	26	0.59	278	0.114	2	1.48	0.017	0.16	0.1	0.02	3.3	0.1	<0.05	5	<0.5	<0.2
23900 88250	Soil	14	22	0.59	235	0.094	3	1.39	0.016	0.19	0.2	0.01	2.8	0.2	<0.05	5	<0.5	0.2
23900 88350	Soil	15	27	0.52	502	0.077	3	1.44	0.016	0.10	0.2	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
23900 88400	Soil	27	12	0.51	321	0.016	2	1.76	0.015	0.15	<0.1	<0.01	19.3	<0.1	<0.05	8	<0.5	<0.2
24200 87200	Soil	33	27	0.56	204	0.094	2	1.53	0.027	0.30	<0.1	0.02	5.1	0.2	0.06	5	0.8	0.2
24200 87250	Soil	65	7	0.34	183	0.057	2	1.03	0.029	0.23	<0.1	0.01	3.7	0.2	0.14	4	1.2	0.5
24200 87300	Soil	33	22	0.32	222	0.062	2	1.12	0.071	0.26	0.1	0.01	3.5	0.1	0.26	4	<0.5	0.3
24200 87350	Soil	7	21	1.22	327	0.247	<1	2.17	0.014	0.95	0.1	<0.01	6.4	0.3	<0.05	8	<0.5	<0.2
24200 87400	Soil	7	26	0.93	153	0.165	2	1.90	0.012	0.61	0.1	<0.01	5.5	0.3	<0.05	6	<0.5	<0.2
24200 87450	Soil	12	29	0.84	236	0.135	3	1.89	0.013	0.45	0.1	<0.01	8.4	0.3	<0.05	6	<0.5	<0.2
24200 87500	Soil	11	23	0.84	278	0.202	2	1.87	0.011	0.64	0.1	<0.01	9.5	0.4	<0.05	8	<0.5	<0.2
24200 87550	Soil	5	18	1.37	409	0.199	2	2.24	0.012	0.93	0.1	<0.01	4.3	0.3	<0.05	8	<0.5	<0.2
24200 87600	Soil	8	132	1.63	333	0.197	2	2.52	0.015	0.95	<0.1	<0.01	7.7	0.2	<0.05	10	<0.5	<0.2
24200 87650	Soil	16	21	0.43	205	0.027	2	1.48	0.007	0.19	<0.1	<0.01	2.3	0.1	<0.05	4	<0.5	<0.2
24200 87700	Soil	33	33	0.76	221	0.138	3	1.79	0.019	0.12	0.1	0.01	5.8	0.1	<0.05	5	<0.5	<0.2
24200 87750	Soil	27	15	0.48	162	0.135	2	1.40	0.026	0.39	<0.1	<0.01	1.5	0.4	0.17	5	<0.5	0.3
24200 87800	Soil	10	22	0.35	222	0.065	2	1.42	0.012	0.14	0.1	<0.01	2.0	0.2	<0.05	5	<0.5	0.6
24200 87850	Soil	32	23	0.53	283	0.031	<1	1.68	0.021	0.14	0.1	<0.01	5.3	0.3	0.11	3	2.4	1.6
24200 87900	Soil	17	26	0.53	198	0.120	2	2.20	0.016	0.24	<0.1	<0.01	2.7	0.2	<0.05	7	<0.5	0.2
24200 87950	Soil	21	27	0.42	173	0.065	2	1.45	0.035	0.09	<0.1	<0.01	4.4	0.1	0.09	4	0.9	<0.2
24200 88000	Soil	33	36	0.69	193	0.074	3	2.64	0.120	0.08	<0.1	<0.01	4.1	<0.1	0.34	5	1.7	0.6
24200 88050	Soil	15	16	0.71	216	0.097	2	1.92	0.005	0.37	<0.1	<0.01	3.6	0.4	<0.05	5	<0.5	0.3
24200 88100	Soil	7	27	0.90	275	0.141	1	2.48	0.021	0.24	0.1	<0.01	7.0	0.3	<0.05	9	<0.5	<0.2
24200 88150	Soil	13	34	0.58	314	0.083	4	1.96	0.017	0.08	0.2	<0.01	4.1	<0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
24200 88200	Soil	1.0	11.1	11.5	46	<0.1	10.5	5.7	202	2.39	7.9	0.5	7.2	2.8	24	<0.1	0.3	0.2	65	0.29	0.044
24200 88250	Soil	1.0	14.2	10.2	69	<0.1	15.0	9.6	349	2.82	5.5	0.4	0.8	2.7	26	<0.1	0.3	0.1	61	0.38	0.081
24200 88300	Soil	1.1	14.7	9.7	67	<0.1	17.7	12.9	368	3.20	6.3	0.6	1.9	3.2	22	0.1	0.3	0.1	67	0.33	0.067
24200 88350	Soil	0.8	17.3	10.9	59	<0.1	14.8	11.2	363	2.94	5.5	0.6	1.6	3.8	19	0.1	0.3	0.1	61	0.28	0.062
24200 88400	Soil	0.8	15.2	9.8	82	<0.1	13.0	8.6	623	2.64	4.6	0.6	1.7	3.5	32	0.2	0.3	0.1	50	0.66	0.079
24300 87200	Soil	2.3	64.9	37.6	148	0.3	16.6	17.4	505	3.86	24.6	8.8	3.0	11.8	111	1.2	0.2	1.8	50	1.25	0.063
24300 87250	Soil	2.7	48.1	42.9	146	0.4	8.8	14.3	307	4.27	20.5	6.4	8.3	17.1	95	1.1	0.1	3.1	20	0.36	0.060
24300 87300	Soil	1.1	27.4	7.4	92	<0.1	26.8	16.6	738	4.26	11.0	0.9	2.0	6.4	24	<0.1	0.1	0.1	81	0.99	0.140
24300 87350	Soil	0.6	22.3	6.7	79	<0.1	17.8	14.5	610	4.21	8.0	0.6	2.5	3.9	19	<0.1	0.3	0.1	82	0.43	0.069
24300 87400	Soil	0.6	17.6	6.1	103	<0.1	11.6	14.9	603	3.45	5.3	0.4	<0.5	2.2	14	<0.1	0.3	0.1	73	0.28	0.072
24300 87450	Soil	0.5	33.1	5.8	119	<0.1	19.5	17.0	994	3.45	6.2	0.7	3.1	5.4	21	<0.1	0.3	0.1	72	0.55	0.129
24300 87500	Soil	0.6	16.9	7.8	99	<0.1	12.5	13.7	925	4.57	5.4	0.5	0.6	3.8	14	0.2	0.3	0.2	93	0.24	0.050
24300 87550	Soil	0.9	18.8	7.1	68	<0.1	17.1	11.5	547	3.75	9.0	0.5	0.9	3.2	20	<0.1	0.4	0.1	75	0.23	0.030
24300 87600	Soil	0.7	45.4	7.1	45	<0.1	21.3	15.5	367	3.26	7.1	0.3	1.3	2.2	17	<0.1	0.4	0.1	80	0.29	0.029
24300 87650	Soil	1.0	15.8	10.9	60	<0.1	13.3	9.2	343	3.00	4.6	1.6	1.6	15.4	18	<0.1	0.2	0.1	39	0.24	0.037
24300 87700	Soil	1.2	16.3	13.7	107	<0.1	11.7	9.5	460	3.40	8.2	1.3	3.7	5.9	20	0.1	0.3	0.3	39	0.22	0.026
24300 87750	Soil	1.7	24.5	32.4	98	0.2	17.6	9.9	335	3.49	9.5	1.7	15.5	7.7	30	<0.1	0.5	0.8	46	0.18	0.029
24300 87800	Soil	1.5	16.5	21.4	49	0.2	15.7	6.6	225	2.64	11.0	0.9	3.6	4.8	17	<0.1	0.5	0.4	51	0.12	0.018
24300 87850	Soil	3.1	15.6	50.4	86	0.2	6.2	4.0	157	3.56	18.6	5.4	0.7	21.8	62	<0.1	0.2	0.3	19	0.09	0.065
24300 87900	Soil	1.8	19.5	60.8	18	0.1	6.2	2.9	88	2.35	7.0	2.6	1.9	14.3	48	<0.1	0.2	0.5	26	0.09	0.031
24300 87950	Soil	5.4	102.5	35.5	51	0.1	3.4	5.0	152	3.61	24.0	2.1	1.4	20.0	47	<0.1	0.3	0.4	10	0.08	0.054
24300 88000	Soil	0.4	13.5	11.8	102	<0.1	5.2	5.2	433	3.31	9.1	1.6	1.7	7.8	45	<0.1	0.2	0.1	44	0.16	0.033
24300 88050	Soil	0.9	16.5	12.0	70	<0.1	5.8	3.8	322	3.64	2.9	3.4	1.0	14.3	44	<0.1	0.2	0.1	36	0.09	0.046
24300 88100	Soil	3.3	61.7	5.5	146	<0.1	26.2	25.1	585	5.80	11.9	2.0	0.8	5.4	29	<0.1	0.2	<0.1	163	0.80	0.253
24300 88150	Soil	1.1	17.2	11.5	63	<0.1	16.9	10.4	341	3.13	7.9	0.7	1.5	3.1	27	0.1	0.4	0.1	60	0.28	0.052
24300 88200	Soil	1.2	20.7	10.3	65	<0.1	20.6	14.7	380	3.61	9.7	0.5	3.6	3.4	17	<0.1	0.5	0.1	72	0.21	0.036
24300 88250	Soil	0.8	10.9	8.7	93	<0.1	5.0	6.1	633	3.35	2.6	0.4	<0.5	5.7	11	<0.1	0.2	<0.1	28	0.21	0.067
24300 88300	Soil	1.0	22.7	7.3	85	<0.1	15.1	12.8	804	3.70	4.1	0.7	1.4	3.6	26	0.1	0.2	<0.1	72	0.63	0.096
24300 88350	Soil	0.8	17.2	10.7	65	<0.1	15.3	11.1	440	3.23	5.4	0.6	1.4	3.7	22	<0.1	0.3	0.1	60	0.37	0.062
24300 88400	Soil	0.7	17.2	7.3	91	<0.1	14.9	9.9	353	3.02	5.3	1.0	5.1	4.8	26	<0.1	0.4	0.1	54	0.43	0.055



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
24200 88200	Soil	9	22	0.43	183	0.099	3	1.54	0.020	0.08	0.1	<0.01	2.9	0.1	<0.05	7	<0.5	<0.2
24200 88250	Soil	8	25	0.79	226	0.136	3	1.82	0.015	0.18	0.1	<0.01	2.3	0.1	<0.05	6	<0.5	<0.2
24200 88300	Soil	10	32	0.81	226	0.135	2	2.17	0.016	0.15	0.1	<0.01	3.2	0.1	<0.05	6	<0.5	<0.2
24200 88350	Soil	12	27	0.71	225	0.122	2	1.86	0.014	0.10	0.2	<0.01	3.3	0.1	<0.05	6	<0.5	<0.2
24200 88400	Soil	12	22	0.62	404	0.112	1	1.56	0.019	0.12	0.2	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
24300 87200	Soil	37	20	0.58	224	0.060	5	1.49	0.027	0.30	<0.1	<0.01	5.2	0.2	0.09	5	1.6	0.3
24300 87250	Soil	59	9	0.21	176	0.020	2	0.99	0.042	0.15	<0.1	0.02	3.9	0.1	0.26	3	2.6	0.2
24300 87300	Soil	38	49	1.34	332	0.163	2	2.37	0.013	0.70	0.2	0.03	7.7	0.3	<0.05	9	0.9	<0.2
24300 87350	Soil	19	24	1.12	366	0.226	2	2.29	0.015	0.84	0.2	0.02	7.2	0.4	<0.05	8	0.6	<0.2
24300 87400	Soil	5	20	0.99	244	0.208	1	1.93	0.008	0.85	0.1	<0.01	4.5	0.3	<0.05	7	<0.5	<0.2
24300 87450	Soil	26	21	1.23	224	0.185	1	1.83	0.012	0.53	0.2	0.02	11.5	0.3	<0.05	8	0.8	<0.2
24300 87500	Soil	10	18	1.06	370	0.260	<1	2.27	0.009	0.93	0.1	<0.01	8.9	0.3	<0.05	9	<0.5	<0.2
24300 87550	Soil	9	29	0.83	327	0.138	2	2.15	0.010	0.51	0.1	<0.01	4.4	0.2	<0.05	7	<0.5	<0.2
24300 87600	Soil	7	31	1.00	239	0.138	<1	2.11	0.013	0.31	<0.1	0.01	3.2	0.1	<0.05	6	<0.5	<0.2
24300 87650	Soil	29	21	0.59	145	0.071	<1	1.91	0.007	0.26	<0.1	0.01	2.1	0.2	<0.05	5	0.5	<0.2
24300 87700	Soil	20	18	0.65	177	0.082	<1	1.92	0.019	0.12	<0.1	<0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
24300 87750	Soil	22	33	0.82	172	0.091	2	1.99	0.037	0.14	0.1	0.01	3.3	0.2	0.13	5	1.1	0.5
24300 87800	Soil	15	28	0.45	142	0.065	<1	1.64	0.013	0.07	0.1	0.01	2.7	0.1	<0.05	5	<0.5	<0.2
24300 87850	Soil	53	8	0.31	91	0.104	<1	1.52	0.062	0.11	<0.1	<0.01	1.8	0.1	0.25	4	2.0	0.5
24300 87900	Soil	15	13	0.17	102	0.046	<1	1.48	0.039	0.08	<0.1	<0.01	1.6	<0.1	0.14	3	1.1	0.3
24300 87950	Soil	39	6	0.15	188	0.008	<1	0.91	0.065	0.16	<0.1	<0.01	1.6	<0.1	0.36	3	1.5	<0.2
24300 88000	Soil	26	14	0.94	205	0.174	<1	2.43	0.010	0.57	<0.1	<0.01	2.6	0.6	0.09	6	0.8	0.8
24300 88050	Soil	22	13	0.68	93	0.110	<1	2.24	0.053	0.18	<0.1	<0.01	2.2	0.2	0.24	6	0.8	<0.2
24300 88100	Soil	18	39	1.31	329	0.130	<1	2.88	0.018	0.75	<0.1	<0.01	11.9	0.5	<0.05	10	0.6	<0.2
24300 88150	Soil	17	30	0.74	379	0.079	1	2.26	0.010	0.12	<0.1	0.01	3.0	0.1	<0.05	6	<0.5	<0.2
24300 88200	Soil	9	35	0.85	274	0.103	1	2.77	0.012	0.15	<0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
24300 88250	Soil	8	9	1.02	236	0.191	<1	2.21	0.007	0.92	<0.1	<0.01	4.0	0.5	<0.05	9	<0.5	<0.2
24300 88300	Soil	14	28	1.22	372	0.180	1	2.23	0.014	0.56	0.1	0.01	4.3	0.2	<0.05	6	<0.5	<0.2
24300 88350	Soil	12	26	0.68	339	0.119	1	1.85	0.014	0.15	0.1	0.01	3.7	0.1	<0.05	6	<0.5	<0.2
24300 88400	Soil	19	27	0.68	535	0.121	<1	1.85	0.016	0.11	0.1	0.03	4.4	0.1	<0.05	7	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
24100 87200	Soil	0.8	54.9	8.6	85	0.2	27.6	21.6	641	4.24	5.5	0.7	1.6	4.6	39	<0.1	0.2	0.1	78	0.60	0.071
24100 87250	Soil	4.1	81.3	19.8	161	<0.1	47.1	17.2	512	4.67	31.9	1.6	149.0	8.5	22	0.3	0.4	1.3	114	0.36	0.045
24100 87300	Soil	1.2	22.1	12.9	71	<0.1	19.4	11.2	391	3.51	30.2	1.2	1.5	12.5	17	<0.1	0.3	0.2	62	0.31	0.035
24100 87350	Soil	0.9	11.7	5.9	69	<0.1	11.9	11.9	449	3.57	5.0	0.3	0.9	2.0	16	<0.1	0.2	<0.1	73	0.30	0.040
24100 87400	Soil	0.7	23.3	9.7	68	0.1	26.9	14.2	386	3.35	10.2	0.5	1.4	3.6	22	<0.1	0.4	0.1	70	0.39	0.056
24100 87450	Soil	0.2	26.0	4.1	51	<0.1	26.1	22.4	240	3.38	3.4	0.7	1.6	2.9	11	<0.1	0.1	<0.1	49	0.21	0.051
24100 87500	Soil	0.7	33.5	8.2	67	<0.1	37.0	17.3	547	3.89	9.3	0.5	1.3	3.1	22	<0.1	0.4	0.1	93	0.29	0.054
24100 87550	Soil	1.0	27.6	8.4	76	<0.1	14.5	8.6	511	4.03	5.9	0.7	<0.5	3.3	37	<0.1	0.3	0.1	80	0.39	0.051
24100 87600	Soil	1.0	28.6	10.0	77	<0.1	13.2	6.6	396	3.46	5.9	0.8	1.8	6.7	17	<0.1	0.5	0.3	41	0.23	0.019
24100 87650	Soil	1.3	29.5	11.5	66	0.1	26.5	10.9	377	3.17	9.9	2.2	2.9	4.6	29	<0.1	0.5	0.2	69	0.37	0.056
24100 87700	Soil	0.7	12.2	10.2	61	<0.1	10.1	9.0	400	2.74	3.4	1.0	7.4	14.6	13	<0.1	0.2	<0.1	37	0.18	0.048
24100 87750	Soil	1.7	17.9	14.6	85	0.1	6.4	6.5	383	2.73	2.8	2.3	0.9	8.1	29	<0.1	0.2	0.1	20	0.18	0.041
24100 87800	Soil	1.5	21.0	30.9	57	0.1	14.1	6.5	176	3.08	24.2	1.1	0.6	10.1	21	0.1	0.4	0.5	34	0.09	0.037
24100 87850	Soil	2.1	32.5	47.3	121	0.2	20.6	8.7	265	3.87	9.8	3.8	3.2	13.4	57	<0.1	0.3	0.8	35	0.14	0.048
24100 87900	Soil	2.0	46.6	94.4	101	0.2	3.6	1.9	208	3.38	19.7	2.7	<0.5	16.1	23	<0.1	0.3	0.4	15	0.09	0.048
24100 87950	Soil	3.2	32.2	49.0	58	0.3	11.6	5.7	139	4.30	28.3	3.1	1.7	16.7	43	<0.1	0.3	0.4	22	0.12	0.075
24100 88000	Soil	5.1	38.2	69.9	48	0.3	38.6	12.6	367	3.58	16.9	7.9	5.3	23.6	66	0.1	0.8	0.6	11	0.25	0.139
24100 88050	Soil	2.8	19.9	32.1	175	0.3	12.3	8.4	971	3.21	44.8	2.0	1.2	12.8	48	0.4	1.5	0.2	24	0.24	0.074
24100 88100	Soil	3.6	16.9	11.0	57	<0.1	16.0	9.4	276	2.66	12.6	0.9	1.6	4.5	24	<0.1	0.5	0.2	46	0.27	0.053
24100 88150	Soil	1.3	11.1	10.2	56	<0.1	11.6	7.5	281	2.53	6.3	0.6	0.7	2.6	23	<0.1	0.2	0.1	53	0.29	0.066
24100 88200	Soil	1.6	15.0	11.6	68	<0.1	12.3	9.3	281	3.05	7.6	0.7	9.2	2.7	22	<0.1	0.3	0.1	57	0.28	0.076
24100 88250	Soil	1.1	14.5	10.5	63	<0.1	16.6	10.5	307	3.10	7.3	0.7	1.0	2.6	27	0.1	0.3	0.1	61	0.40	0.057
24100 88300	Soil	1.6	16.4	7.7	77	<0.1	16.0	10.8	361	3.12	5.8	0.6	1.9	2.9	33	0.1	0.5	0.1	59	0.45	0.082
24100 88350	Soil	0.8	15.0	7.1	75	<0.1	13.0	10.8	403	3.02	5.0	0.7	<0.5	3.2	32	0.1	0.3	<0.1	56	0.51	0.096
24100 88400	Soil	0.7	27.1	7.1	83	<0.1	15.7	13.0	470	3.93	3.9	0.7	<0.5	2.6	38	0.1	0.2	0.1	80	0.62	0.092
24000 87050	Soil	4.1	422.8	7.7	112	0.2	28.3	31.5	609	6.41	3.1	6.2	3.8	9.7	81	0.2	0.1	0.5	79	0.95	0.235
24000 87100	Soil	0.6	40.6	5.0	87	<0.1	22.0	19.1	578	4.03	4.9	4.7	<0.5	3.6	62	<0.1	0.2	<0.1	64	0.74	0.145
24000 87150	Soil	0.6	32.6	5.7	109	<0.1	11.6	21.6	1155	7.11	3.5	2.0	<0.5	3.0	44	<0.1	0.2	<0.1	45	0.91	0.293
24000 87200	Soil	1.1	29.0	12.9	59	<0.1	31.4	13.4	438	3.41	13.1	0.8	<0.5	5.6	34	0.1	0.6	0.3	66	0.43	0.035
24000 87250	Soil	2.8	13.5	20.6	57	0.2	10.1	9.5	399	3.20	14.0	1.3	<0.5	8.1	29	<0.1	0.3	1.6	43	0.22	0.025



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
24100 87200	Soil	11	64	1.37	249	0.208	1	2.59	0.020	0.32	0.2	<0.01	3.5	0.2	<0.05	7	<0.5	<0.2
24100 87250	Soil	17	42	1.02	322	0.094	1	2.45	0.015	0.53	<0.1	0.01	7.5	0.3	<0.05	8	0.9	0.4
24100 87300	Soil	22	25	0.72	249	0.128	<1	2.12	0.010	0.48	0.1	0.01	5.4	0.2	<0.05	7	0.6	<0.2
24100 87350	Soil	6	21	0.81	281	0.174	<1	1.94	0.012	0.57	<0.1	<0.01	3.6	0.2	<0.05	7	<0.5	<0.2
24100 87400	Soil	10	35	0.79	224	0.147	2	2.03	0.013	0.41	0.1	0.01	5.1	0.2	<0.05	6	<0.5	0.3
24100 87450	Soil	11	24	1.09	162	0.093	<1	1.84	0.013	0.49	<0.1	0.01	4.5	0.5	<0.05	6	<0.5	<0.2
24100 87500	Soil	9	63	1.34	276	0.172	<1	2.56	0.014	0.37	0.2	<0.01	5.8	0.2	<0.05	8	<0.5	<0.2
24100 87550	Soil	17	29	1.29	433	0.140	<1	2.49	0.013	0.32	<0.1	<0.01	5.6	0.2	<0.05	8	0.6	<0.2
24100 87600	Soil	15	23	0.71	211	0.061	2	2.05	0.009	0.18	<0.1	0.01	3.8	0.1	<0.05	7	<0.5	0.2
24100 87650	Soil	21	38	0.67	250	0.089	1	2.07	0.015	0.08	0.1	0.03	5.2	0.1	<0.05	6	0.7	<0.2
24100 87700	Soil	32	17	0.53	135	0.075	<1	1.75	0.006	0.29	<0.1	0.01	1.9	0.3	<0.05	5	<0.5	<0.2
24100 87750	Soil	19	9	0.59	141	0.105	<1	1.60	0.012	0.41	<0.1	<0.01	1.2	0.5	0.13	4	0.7	<0.2
24100 87800	Soil	24	23	0.31	231	0.025	<1	1.44	0.019	0.08	<0.1	0.01	1.8	<0.1	0.08	4	0.7	0.2
24100 87850	Soil	44	27	0.70	205	0.050	<1	1.95	0.052	0.16	<0.1	0.02	3.1	0.2	0.20	4	2.1	0.8
24100 87900	Soil	16	8	0.47	150	0.039	<1	2.21	0.015	0.06	<0.1	0.02	1.4	0.1	<0.05	4	2.8	1.5
24100 87950	Soil	26	18	0.30	178	0.038	<1	1.06	0.044	0.10	<0.1	0.02	1.9	<0.1	0.18	3	2.2	0.7
24100 88000	Soil	45	31	0.19	199	0.006	<1	0.91	0.038	0.26	<0.1	0.02	4.5	0.1	0.44	1	3.4	<0.2
24100 88050	Soil	28	12	0.47	377	0.039	1	1.07	0.025	0.15	<0.1	0.02	3.2	0.2	0.07	3	0.9	0.3
24100 88100	Soil	13	23	0.51	175	0.069	<1	1.39	0.013	0.09	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
24100 88150	Soil	9	20	0.54	263	0.103	<1	1.48	0.014	0.16	0.1	0.01	1.9	0.1	<0.05	5	<0.5	<0.2
24100 88200	Soil	8	21	0.62	184	0.091	<1	1.74	0.015	0.15	0.1	0.01	2.0	0.1	<0.05	5	<0.5	<0.2
24100 88250	Soil	12	27	0.70	286	0.120	<1	1.96	0.014	0.13	0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
24100 88300	Soil	10	25	0.79	306	0.109	<1	1.76	0.014	0.22	0.2	0.02	2.5	0.1	<0.05	5	0.5	<0.2
24100 88350	Soil	12	22	0.90	372	0.116	<1	1.69	0.017	0.18	0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
24100 88400	Soil	10	31	1.23	445	0.209	<1	2.19	0.013	0.45	0.2	0.01	3.1	0.2	<0.05	7	<0.5	<0.2
24000 87050	Soil	25	61	2.97	519	0.243	<1	3.50	0.024	1.47	<0.1	0.02	4.8	0.7	<0.05	10	2.1	0.9
24000 87100	Soil	12	39	1.61	359	0.174	<1	2.28	0.022	0.65	0.2	0.01	3.2	0.2	<0.05	7	<0.5	<0.2
24000 87150	Soil	21	21	1.82	368	0.069	<1	3.31	0.012	0.30	<0.1	0.02	8.3	<0.1	<0.05	11	0.9	<0.2
24000 87200	Soil	17	43	0.67	275	0.115	2	1.92	0.018	0.21	0.2	0.02	5.6	0.1	<0.05	5	0.6	<0.2
24000 87250	Soil	17	18	0.46	239	0.063	<1	1.47	0.021	0.30	<0.1	0.02	2.7	0.1	<0.05	4	0.7	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
24000 87300	Soil	1.5	16.6	18.9	69	0.1	9.9	9.8	326	3.35	18.2	2.0	<0.5	15.4	23	<0.1	0.2	0.5	37	0.29
24000 87350	Soil	0.9	21.3	6.1	89	<0.1	13.1	12.4	514	4.14	9.8	0.6	<0.5	3.6	17	<0.1	0.2	<0.1	77	0.29
24000 87400	Soil	0.8	11.7	5.9	86	0.1	12.8	14.8	913	3.69	4.5	0.3	<0.5	1.8	22	<0.1	0.3	0.1	74	0.35
24000 87450	Soil	0.7	16.7	3.6	123	0.1	6.9	15.2	1010	5.09	3.4	0.9	<0.5	2.1	22	<0.1	0.2	<0.1	81	0.44
24000 87500	Soil	0.4	19.8	3.4	54	<0.1	9.7	14.2	421	2.60	3.0	0.6	<0.5	2.1	21	0.1	0.2	<0.1	48	0.28
24000 87550	Soil	0.3	29.5	7.2	107	<0.1	16.8	15.8	1030	3.52	4.0	0.6	3.4	5.1	26	<0.1	0.2	0.2	44	0.51
24000 87600	Soil	0.8	23.1	7.6	68	<0.1	19.0	10.7	445	3.33	8.4	0.9	1.3	3.0	26	<0.1	0.3	0.1	69	0.37
24000 87650	Soil	0.6	49.5	5.1	85	<0.1	15.3	26.4	560	5.13	5.4	0.2	<0.5	1.2	27	<0.1	0.2	<0.1	128	0.66
24000 87700	Soil	1.1	19.0	13.3	69	<0.1	10.8	10.5	478	3.73	5.6	1.7	4.6	12.4	17	<0.1	0.3	0.1	82	0.25
24000 87750	Soil	2.1	18.4	16.9	52	0.1	12.3	11.0	388	3.14	9.3	2.0	73.3	8.0	27	<0.1	0.6	0.2	36	0.17
24000 87800	Soil	2.1	17.6	30.0	135	0.3	12.3	7.3	378	3.71	13.3	3.8	1.2	10.3	47	0.3	0.2	0.6	33	0.37
24000 87850	Soil	2.2	30.7	134.8	189	1.0	13.6	5.9	347	4.43	32.0	2.4	8.0	9.0	55	0.2	0.5	10.7	48	0.12
24000 87900	Soil	2.5	44.9	45.1	145	0.3	21.3	8.0	319	4.44	13.6	2.7	3.3	8.2	59	0.2	0.4	0.8	44	0.19
24000 87950	Soil	2.7	20.4	33.7	47	0.3	11.8	5.7	162	2.57	10.4	3.2	2.5	9.4	31	0.2	0.2	0.4	27	0.08
24000 88000	Soil	2.4	18.9	26.7	60	0.2	9.4	11.0	369	3.59	14.6	5.0	9.2	11.9	50	0.2	0.4	0.8	16	0.20
24000 88050	Soil	1.8	13.4	21.8	83	0.3	9.4	6.2	296	2.88	11.8	2.5	3.1	7.5	50	0.2	0.3	0.2	43	0.27
24000 88100	Soil	1.5	12.6	9.2	58	0.1	13.9	9.8	340	2.79	8.8	1.3	1.5	5.1	30	<0.1	0.3	0.2	50	0.32
24000 88150	Soil	2.0	17.0	7.6	68	0.4	13.0	9.1	518	2.47	14.5	1.5	1.0	5.8	38	0.2	0.3	0.1	38	0.49
24000 88200	Soil	1.4	16.7	11.0	49	0.3	13.7	7.8	245	2.42	7.8	1.0	2.2	3.8	22	<0.1	0.3	0.2	52	0.27
24000 88250	Soil	1.0	12.9	8.1	63	<0.1	12.0	8.5	383	2.47	5.0	0.7	1.6	3.2	25	<0.1	0.2	0.1	47	0.48
24000 88300	Soil	0.9	15.6	7.4	65	<0.1	12.2	7.9	312	2.35	4.5	1.0	2.3	3.8	26	0.2	0.3	0.2	40	0.54
24000 88350	Soil	1.2	22.3	10.2	68	0.2	16.8	12.2	551	2.70	5.4	2.0	2.1	4.1	41	0.2	0.3	0.2	51	0.71
24000 88400	Soil	0.8	18.3	8.0	72	0.1	13.5	11.2	494	2.63	4.6	1.1	2.8	2.4	46	0.2	0.3	0.1	48	0.79
24500 87300	Soil	0.6	24.1	9.0	96	0.2	12.9	14.0	992	4.30	11.3	1.2	3.7	3.3	41	<0.1	0.3	0.1	73	0.71
24500 87350	Soil	0.8	21.6	8.6	67	<0.1	22.2	14.6	1133	3.93	7.9	2.1	2.1	4.6	27	<0.1	0.4	0.2	60	0.47
24500 87400	Soil	0.6	26.9	3.6	130	<0.1	6.9	17.2	764	4.48	3.2	0.4	<0.5	1.9	14	<0.1	0.1	<0.1	70	0.49
24500 87450	Soil	0.5	24.5	6.5	71	<0.1	11.9	12.0	485	3.15	2.4	1.0	4.4	4.5	19	<0.1	0.1	0.1	63	0.58
24500 87500	Soil	0.6	23.2	9.1	67	<0.1	18.5	8.3	502	2.68	3.3	0.7	<0.5	7.0	16	<0.1	0.2	0.1	40	0.37
24500 87550	Soil	0.7	38.1	8.6	95	<0.1	14.1	12.2	230	4.03	7.8	1.7	<0.5	8.0	10	<0.1	0.3	0.1	81	0.26
24500 87600	Soil	1.0	12.7	10.2	59	<0.1	12.3	8.3	310	2.77	5.5	0.9	0.8	5.8	23	<0.1	0.3	0.2	42	0.32



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
24000 87300	Soil	28	15	0.56	205	0.095	<1	1.46	0.025	0.54	0.1	0.01	2.9	0.2	0.08	5	0.6	<0.2
24000 87350	Soil	6	20	1.10	326	0.233	<1	2.27	0.009	1.17	0.1	<0.01	4.9	0.4	<0.05	7	0.6	<0.2
24000 87400	Soil	6	20	1.00	467	0.235	1	2.07	0.013	0.93	0.1	<0.01	3.6	0.3	<0.05	7	0.6	<0.2
24000 87450	Soil	5	10	1.06	656	0.311	<1	2.50	0.010	1.30	<0.1	<0.01	5.1	0.6	<0.05	9	<0.5	<0.2
24000 87500	Soil	11	14	0.41	266	0.043	<1	1.17	0.008	0.09	<0.1	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
24000 87550	Soil	24	18	1.14	422	0.023	<1	1.93	0.011	0.16	<0.1	0.02	7.6	0.1	<0.05	6	<0.5	<0.2
24000 87600	Soil	12	29	1.07	348	0.133	<1	2.19	0.016	0.25	0.1	0.02	3.8	0.1	<0.05	7	<0.5	<0.2
24000 87650	Soil	5	25	2.01	295	0.276	<1	3.58	0.014	0.85	<0.1	<0.01	5.2	0.1	<0.05	8	0.5	<0.2
24000 87700	Soil	37	18	0.66	233	0.108	1	2.15	0.011	0.33	0.1	<0.01	4.5	0.2	<0.05	7	<0.5	<0.2
24000 87750	Soil	23	20	0.49	216	0.038	<1	1.66	0.017	0.10	<0.1	0.03	2.8	<0.1	<0.05	4	0.8	<0.2
24000 87800	Soil	32	42	0.72	233	0.081	1	2.17	0.039	0.16	<0.1	0.01	1.8	0.2	0.13	5	1.2	0.7
24000 87850	Soil	32	28	0.77	206	0.127	1	1.88	0.069	0.24	<0.1	<0.01	2.9	0.3	0.35	5	2.6	7.0
24000 87900	Soil	28	28	0.68	228	0.076	<1	1.96	0.051	0.31	<0.1	0.02	3.7	0.4	0.33	5	2.6	0.9
24000 87950	Soil	31	15	0.23	197	0.028	<1	1.15	0.024	0.10	<0.1	0.02	2.1	<0.1	0.13	3	1.2	0.4
24000 88000	Soil	42	9	0.18	198	0.017	<1	1.25	0.030	0.14	0.2	0.03	2.5	<0.1	0.22	3	1.4	0.6
24000 88050	Soil	28	16	0.46	170	0.080	<1	1.59	0.054	0.11	<0.1	0.02	3.4	0.1	0.22	5	0.7	0.2
24000 88100	Soil	18	22	0.56	222	0.093	<1	1.44	0.014	0.11	0.1	0.02	2.4	0.1	<0.05	4	0.5	<0.2
24000 88150	Soil	21	20	0.56	318	0.089	<1	1.44	0.015	0.24	<0.1	0.02	2.7	0.1	<0.05	4	0.6	<0.2
24000 88200	Soil	16	26	0.46	302	0.070	<1	1.54	0.016	0.06	0.2	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
24000 88250	Soil	11	21	0.61	298	0.098	1	1.44	0.015	0.17	0.2	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
24000 88300	Soil	17	19	0.55	339	0.077	1	1.24	0.012	0.13	0.2	0.03	2.9	0.1	<0.05	4	<0.5	<0.2
24000 88350	Soil	29	31	0.70	591	0.074	<1	1.70	0.014	0.12	0.2	0.07	4.9	<0.1	<0.05	5	<0.5	<0.2
24000 88400	Soil	14	23	0.73	494	0.083	1	1.57	0.014	0.11	0.2	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
24500 87300	Soil	15	21	1.17	438	0.150	<1	2.09	0.016	0.56	<0.1	0.03	6.8	0.2	<0.05	8	<0.5	<0.2
24500 87350	Soil	26	47	0.84	810	0.056	1	1.68	0.012	0.19	0.1	0.03	8.5	0.1	<0.05	5	<0.5	<0.2
24500 87400	Soil	4	9	1.14	438	0.242	<1	2.23	0.009	1.15	<0.1	<0.01	5.7	0.3	<0.05	10	<0.5	<0.2
24500 87450	Soil	13	23	1.17	343	0.168	<1	1.92	0.016	0.66	0.1	0.01	4.1	0.3	<0.05	7	<0.5	<0.2
24500 87500	Soil	8	33	0.94	239	0.110	1	1.94	0.012	0.78	0.1	<0.01	4.7	0.3	<0.05	7	<0.5	<0.2
24500 87550	Soil	11	20	1.04	298	0.251	<1	2.05	0.011	0.85	0.1	<0.01	6.6	0.3	<0.05	8	0.6	<0.2
24500 87600	Soil	11	23	0.58	177	0.073	<1	1.45	0.011	0.26	0.2	<0.01	2.7	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
24500 87650	Soil	1.1	11.9	10.8	93	<0.1	13.0	9.6	494	3.65	6.8	1.4	0.9	4.0	45	<0.1	0.2	<0.1	44	0.29	0.029
24500 87700	Soil	3.3	23.0	37.2	77	0.2	10.3	7.7	196	2.81	13.5	2.5	5.5	11.3	31	<0.1	0.3	0.6	34	0.12	0.033
24500 87750	Soil	1.3	22.9	16.1	74	<0.1	16.3	8.8	274	2.73	9.4	1.6	1.9	7.0	27	<0.1	0.4	0.2	43	0.21	0.035
24500 87800	Soil	1.6	25.8	25.9	109	0.2	11.5	9.2	316	4.28	9.5	2.7	23.5	10.6	44	<0.1	0.3	0.4	43	0.10	0.054
24500 87850	Soil	3.9	27.3	29.8	51	0.2	8.3	6.4	160	4.28	7.5	3.1	1.4	13.0	41	<0.1	0.4	0.5	34	0.09	0.059
24500 87900	Soil	5.8	14.4	14.4	23	0.1	4.4	2.6	122	4.04	52.0	2.2	3.3	19.3	50	<0.1	0.3	0.3	23	0.05	0.052
24500 87950	Soil	5.0	24.9	13.3	76	<0.1	22.1	8.5	474	3.35	13.0	2.4	2.4	14.2	24	<0.1	0.4	0.3	45	0.34	0.075
24500 88000	Soil	4.3	24.8	18.1	88	<0.1	19.1	11.1	414	4.05	15.1	2.2	<0.5	10.9	27	<0.1	0.4	0.3	49	0.34	0.070
24500 88050	Soil	1.4	13.7	12.4	80	<0.1	18.7	11.3	408	3.37	5.8	0.5	1.3	2.6	29	<0.1	0.3	<0.1	60	0.30	0.049
24500 88100	Soil	0.8	30.5	10.0	54	<0.1	25.6	9.7	298	2.82	9.1	0.9	3.8	4.8	28	<0.1	0.7	0.1	63	0.30	0.048
24500 88150	Soil	1.3	11.5	12.0	89	<0.1	8.9	8.2	380	3.10	4.8	0.4	<0.5	2.3	25	0.1	0.4	0.1	59	0.25	0.047
24500 88200	Soil	2.9	43.9	6.9	82	<0.1	11.9	16.8	455	5.47	4.2	0.7	<0.5	2.0	23	<0.1	0.4	<0.1	122	0.39	0.099
24500 88250	Soil	3.8	102.2	15.2	150	<0.1	36.2	18.3	855	10.59	9.4	1.4	6.9	4.1	18	0.2	0.4	0.5	87	0.34	0.129
24500 88300	Soil	0.9	32.2	11.7	80	<0.1	20.6	13.2	452	3.79	8.5	0.9	2.5	4.6	25	0.1	0.5	0.2	81	0.24	0.042
24500 88350	Soil	1.0	16.9	15.9	146	<0.1	14.7	8.6	507	3.76	3.9	1.1	<0.5	5.5	13	0.2	0.4	0.1	37	0.15	0.043
24500 88400	Soil	1.0	12.6	8.6	63	<0.1	8.2	6.2	193	3.03	3.7	0.8	1.2	7.8	12	<0.1	0.4	<0.1	25	0.09	0.022
24400 87200	Soil	0.9	24.3	13.1	89	0.1	13.5	11.1	428	3.31	16.8	2.5	1.3	9.0	50	0.1	0.3	0.2	55	0.55	0.079
24400 87250	Soil	0.6	21.5	6.2	125	<0.1	9.6	15.1	847	4.36	9.6	1.4	2.2	5.0	29	<0.1	0.2	0.1	73	0.57	0.091
24400 87300	Soil	0.7	21.9	8.0	90	0.1	14.0	13.0	761	3.62	9.7	4.5	1.3	3.3	63	0.2	0.3	0.1	66	0.99	0.095
24400 87350	Soil	0.4	27.1	4.4	148	<0.1	15.5	18.3	974	4.09	7.6	0.7	2.0	3.3	26	<0.1	0.2	<0.1	87	0.54	0.073
24400 87400	Soil	1.0	18.3	7.9	98	0.2	15.4	15.4	1635	3.31	4.5	0.3	1.1	2.2	32	0.2	0.3	0.1	70	0.45	0.051
24400 87450	Soil	0.6	15.9	6.4	109	<0.1	11.9	14.4	695	3.73	4.4	0.4	1.8	2.7	21	0.1	0.3	0.1	72	0.38	0.055
24400 87500	Soil	1.2	23.8	9.5	84	<0.1	14.1	15.1	557	3.80	4.3	0.6	<0.5	3.4	29	0.1	0.3	<0.1	73	0.44	0.058
24400 87550	Soil	0.9	27.5	9.2	78	0.2	23.2	12.8	917	3.07	7.2	0.7	0.8	3.3	55	0.3	0.4	0.1	68	1.84	0.069
24400 87600	Soil	1.7	24.6	13.5	71	0.3	14.2	13.0	1065	3.05	5.8	2.6	5.7	9.2	28	0.2	0.3	0.2	53	0.66	0.068
24400 87650	Soil	0.9	8.3	8.1	66	<0.1	6.9	7.9	347	2.72	2.9	0.8	25.8	5.6	17	<0.1	0.2	0.1	30	0.24	0.042
24400 87700	Soil	0.8	14.5	10.8	117	<0.1	11.5	7.4	392	3.28	4.5	0.8	6.7	4.1	21	<0.1	0.2	0.1	38	0.24	0.043
24400 87750	Soil	2.5	23.1	30.4	99	0.2	8.6	5.1	254	2.86	9.5	3.3	2.3	9.2	22	<0.1	0.3	0.7	28	0.14	0.041
24400 87800	Soil	1.9	19.4	20.3	47	0.2	17.1	7.3	175	2.92	11.1	1.9	3.0	7.4	28	<0.1	0.4	0.3	54	0.15	0.029
24400 87850	Soil	1.2	30.3	21.6	59	0.2	12.8	5.9	234	2.89	13.0	2.0	1.6	8.9	32	<0.1	0.3	0.3	42	0.15	0.030



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
24500 87650	Soil	18	25	1.03	245	0.148	<1	1.97	0.016	0.14	<0.1	<0.01	2.1	0.1	<0.05	5	<0.5	<0.2
24500 87700	Soil	28	18	0.38	241	0.061	<1	1.24	0.027	0.12	<0.1	0.01	3.4	<0.1	0.07	4	1.2	0.7
24500 87750	Soil	15	25	0.52	124	0.093	1	1.53	0.016	0.10	<0.1	<0.01	3.1	<0.1	<0.05	5	0.6	0.3
24500 87800	Soil	34	20	0.62	278	0.126	<1	1.79	0.058	0.38	<0.1	<0.01	2.5	0.3	0.22	6	0.8	0.3
24500 87850	Soil	29	16	0.28	163	0.070	<1	1.42	0.034	0.16	<0.1	<0.01	2.5	<0.1	0.14	4	1.7	0.4
24500 87900	Soil	28	11	0.25	187	0.051	<1	1.04	0.171	0.19	<0.1	<0.01	1.8	0.1	0.58	3	2.6	<0.2
24500 87950	Soil	35	32	0.69	413	0.085	<1	1.54	0.008	0.20	0.1	0.02	4.9	0.2	<0.05	5	<0.5	<0.2
24500 88000	Soil	20	31	0.82	304	0.048	1	1.81	0.006	0.37	<0.1	<0.01	4.0	0.2	<0.05	5	<0.5	0.2
24500 88050	Soil	8	29	1.12	306	0.089	<1	2.53	0.010	0.45	0.1	<0.01	3.1	0.2	<0.05	7	<0.5	<0.2
24500 88100	Soil	18	37	0.67	407	0.099	<1	1.79	0.016	0.09	0.1	0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
24500 88150	Soil	11	16	0.60	365	0.058	<1	2.38	0.010	0.27	<0.1	0.01	2.4	0.2	<0.05	8	<0.5	<0.2
24500 88200	Soil	5	33	1.42	383	0.118	<1	2.89	0.012	0.53	<0.1	<0.01	10.0	0.2	<0.05	10	<0.5	<0.2
24500 88250	Soil	19	25	0.56	325	0.017	1	1.94	0.009	0.21	<0.1	0.02	9.1	0.2	<0.05	5	1.1	0.5
24500 88300	Soil	21	34	0.88	419	0.136	4	2.47	0.016	0.14	0.1	0.03	5.9	0.1	<0.05	7	0.5	<0.2
24500 88350	Soil	17	17	0.54	231	0.084	1	1.79	0.009	0.33	<0.1	<0.01	2.7	0.2	<0.05	6	<0.5	<0.2
24500 88400	Soil	17	16	0.49	200	0.032	<1	2.19	0.006	0.22	<0.1	0.01	2.7	0.2	<0.05	6	<0.5	<0.2
24400 87200	Soil	26	18	0.77	368	0.139	1	1.61	0.016	0.49	0.1	0.02	5.0	0.3	<0.05	5	<0.5	<0.2
24400 87250	Soil	23	14	1.21	486	0.219	<1	2.22	0.015	0.97	0.1	<0.01	8.5	0.5	<0.05	9	<0.5	<0.2
24400 87300	Soil	17	20	0.95	526	0.165	2	2.00	0.020	0.60	0.1	0.02	6.3	0.3	<0.05	7	<0.5	<0.2
24400 87350	Soil	14	15	1.55	217	0.244	1	2.38	0.018	0.84	0.1	0.01	7.9	0.5	<0.05	9	0.7	<0.2
24400 87400	Soil	7	23	0.88	450	0.186	2	1.91	0.016	0.67	0.1	<0.01	5.4	0.2	<0.05	7	<0.5	<0.2
24400 87450	Soil	7	17	0.87	298	0.201	<1	2.00	0.012	0.51	0.1	<0.01	6.5	0.3	<0.05	8	<0.5	<0.2
24400 87500	Soil	11	18	0.74	324	0.194	2	1.98	0.016	0.67	<0.1	0.01	6.1	0.3	<0.05	7	0.6	<0.2
24400 87550	Soil	10	38	0.71	573	0.125	5	1.79	0.018	0.36	0.1	0.02	4.0	<0.1	<0.05	5	0.7	<0.2
24400 87600	Soil	34	19	0.76	327	0.083	2	1.83	0.012	0.29	<0.1	0.03	3.8	0.2	<0.05	5	0.6	<0.2
24400 87650	Soil	15	11	0.64	195	0.062	<1	1.44	0.008	0.26	0.1	<0.01	1.4	0.1	<0.05	4	<0.5	<0.2
24400 87700	Soil	10	19	0.84	139	0.100	1	1.82	0.009	0.33	0.1	<0.01	1.9	0.1	<0.05	5	<0.5	<0.2
24400 87750	Soil	15	9	0.32	193	0.028	<1	1.67	0.023	0.09	<0.1	0.01	2.3	0.1	0.08	4	1.0	0.9
24400 87800	Soil	15	27	0.44	177	0.072	1	2.04	0.016	0.08	<0.1	0.02	2.8	0.1	<0.05	5	0.5	0.4
24400 87850	Soil	17	21	0.39	168	0.062	<1	1.57	0.022	0.09	<0.1	0.01	2.2	<0.1	0.06	4	0.7	0.5



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
24400 87900	Soil	1.3	16.8	15.6	46	0.1	19.3	8.5	209	2.92	9.9	0.8	1.7	3.9	21	<0.1	0.5	0.2	60	0.13	0.025
24400 87950	Soil	1.8	16.4	11.9	41	0.2	10.2	5.5	205	2.99	17.4	1.6	4.1	7.8	26	<0.1	0.4	0.2	42	0.11	0.031
24400 88000	Soil	1.1	8.6	5.4	77	<0.1	6.6	8.7	390	3.08	6.5	1.1	<0.5	4.9	17	<0.1	0.1	<0.1	31	0.23	0.047
24400 88050	Soil	2.1	36.3	7.8	98	0.2	28.4	11.9	320	4.01	12.1	1.6	0.9	10.6	47	<0.1	0.3	0.1	67	0.29	0.090
24400 88100	Soil	4.5	22.0	8.6	71	0.1	10.0	5.9	424	3.72	4.0	1.0	0.8	3.9	43	<0.1	0.2	<0.1	59	0.15	0.070
24400 88150	Soil	1.3	15.7	10.7	70	0.1	16.9	10.8	782	3.05	8.6	0.5	1.0	4.2	16	0.2	0.5	0.2	70	0.16	0.065
24400 88200	Soil	0.8	63.4	9.9	107	0.4	410.7	51.6	1617	6.86	4.7	1.9	2.9	28.7	790	0.2	0.5	0.2	144	2.42	0.798
24400 88250	Soil	1.0	23.5	10.8	56	<0.1	22.6	11.9	367	3.36	8.9	0.8	10.6	4.9	18	<0.1	0.5	0.2	69	0.20	0.031
24400 88300	Soil	0.7	24.4	7.5	70	<0.1	19.2	14.3	411	3.89	5.8	0.5	1.7	2.9	21	<0.1	0.4	0.1	84	0.37	0.069
24400 88350	Soil	1.3	15.5	15.6	81	<0.1	14.9	8.0	362	3.41	9.1	0.5	2.2	2.1	19	0.2	0.4	0.2	76	0.21	0.094
24400 88400	Soil	0.9	18.5	5.3	80	<0.1	9.7	8.6	493	3.44	2.7	1.1	1.0	5.6	21	<0.1	0.2	<0.1	48	0.38	0.059
24700 87400	Soil	0.6	22.3	11.5	48	<0.1	18.3	10.2	307	2.49	6.1	0.7	2.2	3.1	36	<0.1	0.2	0.1	50	0.87	0.069
24700 87450	Soil	0.7	29.4	10.0	61	<0.1	20.5	12.3	487	3.48	5.4	1.2	<0.5	3.5	20	0.2	0.3	0.2	72	0.47	0.073
24700 87500	Soil	0.7	28.2	12.1	55	0.1	21.2	9.4	423	2.43	14.5	1.0	3.0	10.7	31	<0.1	0.4	0.1	47	0.63	0.052
24700 87550	Soil	0.6	18.4	18.2	90	0.1	23.6	13.4	481	3.46	3.7	1.5	22.1	27.1	21	<0.1	0.2	0.5	53	0.47	0.084
24700 87600	Soil	0.6	12.3	7.6	81	<0.1	8.5	10.2	363	2.71	3.6	1.0	<0.5	11.2	26	<0.1	0.2	<0.1	34	0.29	0.060
24700 87650	Soil	2.1	13.3	29.2	52	0.1	5.9	4.4	152	3.25	15.7	3.4	6.5	17.3	53	<0.1	0.4	0.2	21	0.13	0.051
24700 87700	Soil	3.0	20.7	36.6	63	0.3	11.2	8.7	249	2.76	15.0	2.3	8.1	9.9	21	<0.1	0.3	0.8	39	0.09	0.026
24700 87750	Soil	4.0	18.9	68.0	84	0.2	6.8	3.6	123	2.94	30.1	2.3	6.3	11.1	34	<0.1	0.3	1.2	26	0.09	0.044
24700 87800	Soil	2.5	15.9	19.6	47	0.1	9.3	5.7	198	2.56	14.8	1.6	8.7	7.1	25	<0.1	0.3	0.5	40	0.15	0.030
24700 87850	Soil	3.2	13.0	15.6	45	0.1	4.1	4.0	198	3.29	48.8	2.4	1.2	9.2	53	<0.1	0.2	0.3	32	0.18	0.051
24700 87900	Soil	2.7	24.8	14.6	86	<0.1	11.8	11.8	558	3.47	9.6	2.7	4.2	7.9	37	<0.1	0.3	0.1	57	0.43	0.057
24700 87950	Soil	2.7	85.3	10.7	78	0.1	29.7	15.0	317	4.37	11.2	1.5	1.2	18.0	55	<0.1	0.4	0.1	76	0.49	0.091
24700 88000	Soil	4.2	27.5	7.8	45	0.1	7.9	2.8	153	2.90	6.0	3.1	<0.5	9.6	81	<0.1	<0.1	<0.1	56	0.15	0.057
24700 88050	Soil	3.9	14.7	10.7	60	<0.1	15.2	6.8	247	2.69	10.6	0.9	<0.5	3.6	24	<0.1	0.2	0.1	50	0.24	0.041
24700 88100	Soil	0.2	9.3	3.9	69	<0.1	8.3	9.1	302	2.58	2.5	0.1	<0.5	0.5	26	<0.1	<0.1	<0.1	44	0.36	0.093
24700 88150	Soil	0.5	6.9	4.2	77	<0.1	26.5	30.5	697	4.39	2.2	0.3	<0.5	1.2	42	<0.1	0.1	<0.1	100	0.73	0.105
24700 88200	Soil	0.7	18.9	7.7	70	<0.1	18.8	14.7	470	4.13	6.1	0.5	0.6	2.8	25	<0.1	0.5	<0.1	78	0.49	0.075
24700 88250	Soil	1.1	11.9	8.2	59	<0.1	20.9	9.5	316	3.32	4.8	0.8	1.8	6.1	18	<0.1	0.3	0.1	54	0.28	0.029
24700 88300	Soil	0.4	20.8	5.2	61	<0.1	18.6	15.3	524	3.71	1.9	0.5	<0.5	2.4	27	<0.1	0.1	0.1	99	0.66	0.158



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
24400 87900	Soil	9	34	0.44	173	0.072	<1	1.90	0.013	0.08	0.1	0.01	2.4	0.1	<0.05	5	<0.5	<0.2
24400 87950	Soil	17	23	0.43	221	0.059	<1	1.56	0.036	0.09	<0.1	0.02	2.4	0.1	0.11	4	0.9	0.3
24400 88000	Soil	9	10	0.85	160	0.149	<1	1.92	0.007	0.71	<0.1	<0.01	1.2	0.4	<0.05	5	<0.5	<0.2
24400 88050	Soil	20	85	0.75	225	0.139	1	2.38	0.016	0.34	<0.1	0.01	2.8	0.2	0.08	7	<0.5	0.3
24400 88100	Soil	20	21	0.64	318	0.105	<1	1.90	0.025	0.46	<0.1	0.02	2.4	0.3	0.18	6	<0.5	<0.2
24400 88150	Soil	11	30	0.48	277	0.064	1	1.92	0.009	0.11	0.2	0.03	2.6	0.1	<0.05	7	<0.5	<0.2
24400 88200	Soil	141	479	4.45	1119	0.123	2	3.38	0.023	0.10	0.1	0.05	17.0	0.2	<0.05	12	0.5	<0.2
24400 88250	Soil	13	31	0.63	316	0.081	2	2.16	0.015	0.09	0.1	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
24400 88300	Soil	10	27	1.10	309	0.171	3	2.58	0.014	0.31	0.1	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
24400 88350	Soil	9	28	0.42	439	0.061	2	2.19	0.011	0.13	0.1	0.04	3.1	<0.1	<0.05	9	<0.5	<0.2
24400 88400	Soil	20	16	0.76	326	0.161	<1	1.77	0.010	0.45	0.1	0.01	4.3	0.3	<0.05	7	<0.5	<0.2
24700 87400	Soil	10	33	0.67	196	0.079	1	1.70	0.055	0.19	<0.1	0.01	3.0	0.1	<0.05	5	<0.5	<0.2
24700 87450	Soil	11	38	0.89	263	0.093	2	1.88	0.010	0.35	<0.1	0.02	5.0	0.1	<0.05	7	<0.5	<0.2
24700 87500	Soil	34	27	0.68	170	0.075	<1	1.45	0.025	0.16	0.2	0.04	3.3	0.2	<0.05	4	0.5	<0.2
24700 87550	Soil	89	53	1.17	215	0.120	1	1.95	0.007	0.84	<0.1	0.02	5.1	0.5	<0.05	6	<0.5	<0.2
24700 87600	Soil	10	12	0.59	122	0.141	1	1.35	0.006	0.43	<0.1	<0.01	1.1	0.2	<0.05	5	<0.5	<0.2
24700 87650	Soil	46	11	0.31	301	0.043	<1	0.99	0.057	0.16	<0.1	0.02	2.6	0.1	0.26	3	0.9	0.4
24700 87700	Soil	24	21	0.37	193	0.051	<1	1.47	0.025	0.10	<0.1	0.02	2.8	<0.1	0.06	4	0.7	<0.2
24700 87750	Soil	23	12	0.24	161	0.046	<1	1.07	0.046	0.12	<0.1	0.02	1.7	<0.1	0.23	3	2.3	0.7
24700 87800	Soil	17	17	0.43	196	0.057	<1	1.38	0.022	0.10	<0.1	0.01	2.4	<0.1	0.07	4	<0.5	0.4
24700 87850	Soil	25	8	0.36	210	0.084	<1	1.31	0.045	0.16	<0.1	0.01	2.2	0.1	0.21	4	1.2	0.3
24700 87900	Soil	22	18	0.68	304	0.095	<1	1.72	0.028	0.22	<0.1	0.01	4.2	0.2	<0.05	5	<0.5	0.3
24700 87950	Soil	42	50	0.78	267	0.127	<1	1.80	0.024	0.16	0.1	<0.01	5.6	0.1	<0.05	6	<0.5	0.3
24700 88000	Soil	30	45	0.67	262	0.119	<1	1.72	0.033	0.35	<0.1	<0.01	1.8	0.2	0.26	5	0.7	0.5
24700 88050	Soil	7	25	0.66	238	0.069	<1	1.75	0.011	0.27	<0.1	0.01	2.0	0.2	<0.05	5	<0.5	<0.2
24700 88100	Soil	1	9	0.64	181	0.159	<1	1.49	0.010	0.50	<0.1	<0.01	0.8	0.2	<0.05	5	<0.5	<0.2
24700 88150	Soil	12	44	2.81	306	0.337	<1	3.29	0.017	0.27	0.1	<0.01	2.2	0.2	<0.05	7	<0.5	<0.2
24700 88200	Soil	11	31	1.05	262	0.131	1	2.17	0.014	0.33	0.1	0.02	5.8	0.2	<0.05	7	<0.5	<0.2
24700 88250	Soil	23	31	0.77	272	0.106	2	1.88	0.012	0.27	0.1	0.01	3.3	0.2	<0.05	6	<0.5	<0.2
24700 88300	Soil	9	32	2.02	430	0.208	<1	2.69	0.012	1.01	0.1	<0.01	4.6	0.2	<0.05	7	<0.5	<0.2



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Project: Mariposa
Report Date: July 29, 2010

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QUALITY CONTROL REPORT

WHI10000049.2

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
23200 87950	Soil	0.9	15.9	14.8	76	<0.1	8.8	12.5	476	3.96	6.9	1.9	0.8	9.0	40	<0.1	0.3	0.1	39	0.25	0.052
REP 23200 87950	QC	0.7	16.1	14.0	80	<0.1	8.7	11.9	459	3.85	6.8	1.8	1.7	8.3	39	<0.1	0.3	0.1	37	0.28	0.053
23300 87600	Soil	1.1	27.7	39.5	47	0.1	15.7	7.4	253	2.15	7.6	1.9	2.3	30.5	19	<0.1	0.3	0.4	33	0.32	0.047
REP 23300 87600	QC	1.0	25.6	37.5	44	0.1	15.2	6.9	239	2.07	7.1	1.9	1.2	30.5	18	<0.1	0.3	0.4	29	0.31	0.046
23300 88200	Soil	2.4	16.0	17.6	71	0.1	19.7	11.4	406	3.61	9.8	3.1	5.7	14.9	58	<0.1	0.3	0.2	31	0.31	0.060
REP 23300 88200	QC	2.4	16.1	17.5	70	0.1	20.4	11.6	403	3.70	10.0	3.0	4.2	14.6	59	<0.1	0.2	0.2	30	0.30	0.063
23500 87350	Soil	1.7	36.9	14.1	101	0.1	61.8	20.2	883	4.51	4.5	1.7	2.7	10.0	71	0.3	0.5	0.2	73	1.41	0.266
REP 23500 87350	QC	1.7	36.0	13.8	97	0.1	59.9	20.5	858	4.54	4.4	1.6	2.5	9.6	71	0.3	0.5	0.2	77	1.47	0.271
23500 88100	Soil	2.2	12.9	21.2	50	<0.1	9.8	7.2	354	3.11	6.5	1.4	1.6	8.0	19	<0.1	0.4	0.3	34	0.23	0.048
REP 23500 88100	QC	2.4	13.2	19.7	53	<0.1	10.7	7.6	374	3.28	6.4	1.4	0.8	8.2	19	<0.1	0.4	0.3	35	0.23	0.048
23600 87350	Soil	1.0	33.8	10.2	68	0.1	21.1	15.2	630	3.25	8.6	1.5	0.7	5.2	31	<0.1	0.4	0.3	62	0.50	0.065
REP 23600 87350	QC	1.1	33.6	10.2	70	<0.1	21.4	15.8	645	3.26	8.8	1.5	1.4	5.0	32	0.1	0.4	0.3	63	0.48	0.065
23600 88200	Soil	1.2	21.5	9.8	61	<0.1	19.9	11.6	415	2.95	5.5	0.4	<0.5	2.3	23	<0.1	0.3	0.1	57	0.36	0.044
REP 23600 88200	QC	1.1	22.1	9.6	62	<0.1	18.7	11.6	409	2.93	5.6	0.4	0.8	2.3	22	<0.1	0.3	0.1	56	0.35	0.042
23700 88350	Soil	1.4	11.7	13.7	47	<0.1	18.9	8.3	269	2.74	6.9	0.5	1.2	4.1	17	<0.1	0.5	0.1	53	0.20	0.015
REP 23700 88350	QC	1.3	12.0	13.1	49	<0.1	19.7	8.6	275	2.83	6.7	0.5	<0.5	4.2	19	<0.1	0.5	0.1	56	0.21	0.016
23800 87700	Soil	1.3	16.7	12.0	52	<0.1	12.0	10.4	368	2.61	7.2	1.2	17.2	9.7	23	<0.1	0.5	<0.1	47	0.52	0.063
REP 23800 87700	QC	1.1	16.7	12.5	51	<0.1	11.2	10.1	364	2.59	7.2	1.3	17.1	9.8	22	<0.1	0.4	<0.1	46	0.50	0.063
23900 87700	Soil	1.2	29.9	8.7	79	0.1	11.7	14.0	736	3.50	5.1	0.6	7.0	2.6	27	<0.1	0.2	<0.1	76	0.70	0.119
REP 23900 87700	QC	1.3	30.0	8.8	78	<0.1	12.3	14.3	744	3.59	5.1	0.6	5.2	2.8	27	<0.1	0.1	<0.1	76	0.72	0.122
23900 88200	Soil	1.8	16.9	11.7	61	0.1	14.3	7.7	251	2.56	30.4	1.7	4.0	6.8	36	<0.1	0.3	0.1	50	0.38	0.048
REP 23900 88200	QC	1.8	17.3	11.7	60	0.1	14.0	7.8	252	2.54	30.2	1.7	3.0	6.8	35	<0.1	0.3	0.1	50	0.38	0.046
24200 87600	Soil	0.6	37.7	7.2	78	<0.1	44.8	14.9	508	3.86	2.9	0.5	<0.5	3.3	17	<0.1	0.2	0.2	77	0.25	0.041
REP 24200 87600	QC	0.6	40.4	5.9	88	<0.1	51.0	16.2	532	4.09	2.5	0.7	0.8	3.9	18	<0.1	0.2	0.2	84	0.27	0.039
24300 87750	Soil	1.7	24.5	32.4	98	0.2	17.6	9.9	335	3.49	9.5	1.7	15.5	7.7	30	<0.1	0.5	0.8	46	0.18	0.029
REP 24300 87750	QC	1.8	25.4	32.5	103	0.2	18.1	10.5	335	3.62	10.1	1.7	9.6	7.7	31	<0.1	0.5	0.8	48	0.17	0.030
24300 88200	Soil	1.2	20.7	10.3	65	<0.1	20.6	14.7	380	3.61	9.7	0.5	3.6	3.4	17	<0.1	0.5	0.1	72	0.21	0.036
REP 24300 88200	QC	1.2	20.4	10.7	62	0.1	20.8	14.1	364	3.50	9.3	0.6	1.7	3.6	17	<0.1	0.4	0.1	68	0.20	0.036



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QUALITY CONTROL REPORT

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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
23200 87950	Soil	20	17	0.83	329	0.119	<1	2.01	0.036	0.27	<0.1	0.01	2.2	0.2	0.09	5	0.7	<0.2
REP 23200 87950	QC	20	17	0.82	325	0.120	<1	2.09	0.035	0.28	<0.1	<0.01	2.3	0.2	0.09	5	0.6	0.2
23300 87600	Soil	58	22	0.38	120	0.047	<1	1.19	0.008	0.22	<0.1	0.02	3.2	0.2	<0.05	3	0.7	<0.2
REP 23300 87600	QC	56	20	0.35	111	0.044	<1	1.13	0.007	0.22	0.1	0.02	3.1	0.1	<0.05	3	0.6	<0.2
23300 88200	Soil	43	24	0.63	289	0.074	<1	1.72	0.087	0.18	<0.1	<0.01	2.6	0.1	0.32	4	0.6	0.3
REP 23300 88200	QC	43	24	0.64	286	0.072	1	1.84	0.081	0.17	<0.1	<0.01	2.5	0.1	0.32	4	0.7	0.3
23500 87350	Soil	38	81	1.38	636	0.091	3	2.12	0.012	0.54	0.1	0.02	7.6	0.2	<0.05	7	<0.5	<0.2
REP 23500 87350	QC	38	81	1.37	651	0.096	3	2.11	0.012	0.55	0.2	0.02	8.1	0.2	<0.05	7	<0.5	<0.2
23500 88100	Soil	26	17	0.40	302	0.041	<1	1.39	0.006	0.17	0.1	0.01	2.5	0.1	<0.05	4	<0.5	<0.2
REP 23500 88100	QC	26	18	0.42	315	0.041	<1	1.38	0.007	0.17	<0.1	<0.01	2.5	0.1	<0.05	4	<0.5	<0.2
23600 87350	Soil	17	32	0.94	281	0.137	<1	1.84	0.016	0.43	0.2	0.01	3.4	0.2	<0.05	5	<0.5	<0.2
REP 23600 87350	QC	18	33	0.93	291	0.139	1	1.89	0.016	0.42	0.2	0.02	3.3	0.2	<0.05	5	0.7	<0.2
23600 88200	Soil	6	25	0.94	184	0.119	<1	1.92	0.009	0.28	0.2	<0.01	2.2	0.1	<0.05	5	<0.5	<0.2
REP 23600 88200	QC	6	24	0.93	180	0.116	<1	1.87	0.007	0.28	<0.1	0.01	2.2	0.1	<0.05	6	<0.5	<0.2
23700 88350	Soil	14	33	0.47	314	0.052	<1	1.75	0.012	0.13	0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
REP 23700 88350	QC	13	34	0.47	299	0.054	1	1.81	0.009	0.14	<0.1	<0.01	2.9	<0.1	<0.05	5	0.5	<0.2
23800 87700	Soil	34	21	0.60	187	0.095	1	1.32	0.015	0.23	<0.1	0.01	2.4	0.1	<0.05	5	0.5	0.2
REP 23800 87700	QC	32	20	0.61	183	0.095	1	1.33	0.014	0.23	<0.1	<0.01	2.3	0.1	<0.05	5	<0.5	0.3
23900 87700	Soil	9	16	1.05	267	0.130	<1	2.02	0.023	0.38	<0.1	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
REP 23900 87700	QC	9	16	1.08	269	0.130	1	2.09	0.018	0.39	<0.1	<0.01	3.9	0.2	<0.05	7	<0.5	<0.2
23900 88200	Soil	21	26	0.59	278	0.114	2	1.48	0.017	0.16	0.1	0.02	3.3	0.1	<0.05	5	<0.5	<0.2
REP 23900 88200	QC	21	25	0.58	283	0.116	3	1.48	0.019	0.16	0.1	0.01	3.2	0.1	<0.05	5	<0.5	<0.2
24200 87600	Soil	8	132	1.63	333	0.197	2	2.52	0.015	0.95	<0.1	<0.01	7.7	0.2	<0.05	10	<0.5	<0.2
REP 24200 87600	QC	10	150	1.86	356	0.238	3	2.72	0.017	1.10	<0.1	<0.01	8.6	0.2	<0.05	11	<0.5	<0.2
24300 87750	Soil	22	33	0.82	172	0.091	2	1.99	0.037	0.14	0.1	0.01	3.3	0.2	0.13	5	1.1	0.5
REP 24300 87750	QC	24	35	0.83	177	0.087	<1	1.95	0.036	0.13	0.1	<0.01	3.2	0.3	0.12	5	1.4	0.9
24300 88200	Soil	9	35	0.85	274	0.103	1	2.77	0.012	0.15	<0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
REP 24300 88200	QC	9	33	0.85	261	0.096	<1	2.75	0.014	0.14	<0.1	0.03	3.8	0.1	<0.05	6	<0.5	<0.2



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Project: Mariposa

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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
24100 88150	Soil	1.3	11.1	10.2	56	<0.1	11.6	7.5	281	2.53	6.3	0.6	0.7	2.6	23	<0.1	0.2	0.1	53	0.29	0.066
REP 24100 88150	QC	1.3	11.7	10.0	59	<0.1	11.3	8.0	299	2.64	6.3	0.6	<0.5	2.6	24	<0.1	0.2	0.1	52	0.28	0.063
24000 87950	Soil	2.7	20.4	33.7	47	0.3	11.8	5.7	162	2.57	10.4	3.2	2.5	9.4	31	0.2	0.2	0.4	27	0.08	0.047
REP 24000 87950	QC	2.9	20.7	33.5	49	0.3	11.8	5.2	159	2.48	10.4	3.2	3.7	9.5	32	0.2	0.2	0.4	25	0.09	0.048
24000 88400	Soil	0.8	18.3	8.0	72	0.1	13.5	11.2	494	2.63	4.6	1.1	2.8	2.4	46	0.2	0.3	0.1	48	0.79	0.093
REP 24000 88400	QC	0.8	17.2	8.0	71	0.1	13.8	10.6	498	2.66	4.4	1.1	4.2	2.5	44	0.2	0.3	0.1	50	0.75	0.091
24400 87300	Soil	0.7	21.9	8.0	90	0.1	14.0	13.0	761	3.62	9.7	4.5	1.3	3.3	63	0.2	0.3	0.1	66	0.99	0.095
REP 24400 87300	QC	0.7	22.0	8.1	91	0.1	14.7	13.7	792	3.76	9.6	4.5	2.0	3.2	62	0.1	0.3	0.2	68	0.98	0.093
24400 87800	Soil	1.9	19.4	20.3	47	0.2	17.1	7.3	175	2.92	11.1	1.9	3.0	7.4	28	<0.1	0.4	0.3	54	0.15	0.029
REP 24400 87800	QC	1.8	19.4	19.4	48	0.2	16.8	7.3	176	3.01	11.0	1.9	1.7	7.3	28	<0.1	0.4	0.3	51	0.15	0.030
24700 87950	Soil	2.7	85.3	10.7	78	0.1	29.7	15.0	317	4.37	11.2	1.5	1.2	18.0	55	<0.1	0.4	0.1	76	0.49	0.091
REP 24700 87950	QC	2.7	85.0	10.6	76	0.2	32.1	14.6	315	4.28	11.3	1.4	5.2	17.5	56	<0.1	0.4	0.1	78	0.49	0.093
Reference Materials																					
STD DS7	Standard	20.1	113.0	74.4	396	1.0	55.4	10.1	653	2.48	56.9	5.5	72.0	4.6	78	6.6	6.6	5.1	87	0.96	0.083
STD DS7	Standard	20.7	122.9	67.5	407	1.0	56.0	9.6	622	2.42	55.8	5.1	66.3	4.7	74	6.9	6.2	4.9	87	0.94	0.077
STD DS7	Standard	21.4	121.3	63.7	413	1.0	60.5	10.8	676	2.66	57.3	4.7	64.3	4.3	82	6.9	6.8	5.3	89	0.92	0.083
STD DS7	Standard	20.0	119.7	70.8	392	1.0	54.2	9.6	678	2.51	54.8	4.8	66.8	4.4	71	6.6	6.1	4.8	92	0.95	0.080
STD DS7	Standard	20.1	108.0	70.0	402	1.0	58.2	9.5	616	2.46	53.9	5.0	80.0	4.4	70	7.1	6.1	4.9	86	0.95	0.085
STD DS7	Standard	21.6	104.6	71.3	397	1.0	54.3	9.9	628	2.37	52.5	5.2	92.6	4.8	76	7.0	6.1	4.7	88	0.94	0.080
STD DS7	Standard	21.9	108.0	70.5	412	1.0	57.2	10.1	679	2.60	58.0	5.2	59.5	4.7	84	6.5	6.1	4.9	88	1.02	0.082
STD DS7	Standard	19.2	99.3	66.6	381	0.9	52.8	9.4	600	2.33	53.8	4.6	74.9	4.2	70	6.2	5.7	4.6	79	0.91	0.077
STD DS7	Standard	20.0	105.7	64.6	390	0.9	54.5	9.4	615	2.37	54.4	4.8	73.0	4.2	73	6.4	5.8	4.5	84	0.94	0.081
STD DS7	Standard	21.2	101.5	65.8	391	1.0	54.6	9.4	628	2.45	51.8	4.8	94.2	4.4	74	6.2	5.7	4.6	81	0.96	0.081
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa
Report Date: July 29, 2010

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QUALITY CONTROL REPORT

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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
24100 88150	Soil	9	20	0.54	263	0.103	<1	1.48	0.014	0.16	0.1	0.01	1.9	0.1	<0.05	5	<0.5	<0.2
REP 24100 88150	QC	9	20	0.54	261	0.102	<1	1.54	0.011	0.16	0.1	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
24000 87950	Soil	31	15	0.23	197	0.028	<1	1.15	0.024	0.10	<0.1	0.02	2.1	<0.1	0.13	3	1.2	0.4
REP 24000 87950	QC	31	15	0.23	188	0.026	<1	1.18	0.025	0.11	<0.1	0.03	2.2	<0.1	0.12	4	1.4	0.4
24000 88400	Soil	14	23	0.73	494	0.083	1	1.57	0.014	0.11	0.2	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
REP 24000 88400	QC	14	23	0.73	478	0.085	1	1.61	0.015	0.11	0.2	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2
24400 87300	Soil	17	20	0.95	526	0.165	2	2.00	0.020	0.60	0.1	0.02	6.3	0.3	<0.05	7	<0.5	<0.2
REP 24400 87300	QC	17	20	0.93	508	0.167	2	1.87	0.017	0.63	0.1	0.02	6.2	0.3	<0.05	7	0.6	<0.2
24400 87800	Soil	15	27	0.44	177	0.072	1	2.04	0.016	0.08	<0.1	0.02	2.8	0.1	<0.05	5	0.5	0.4
REP 24400 87800	QC	15	26	0.44	175	0.072	1	2.00	0.016	0.08	<0.1	0.02	2.7	0.1	<0.05	5	<0.5	0.3
24700 87950	Soil	42	50	0.78	267	0.127	<1	1.80	0.024	0.16	0.1	<0.01	5.6	0.1	<0.05	6	<0.5	0.3
REP 24700 87950	QC	41	50	0.80	263	0.126	<1	1.94	0.026	0.17	<0.1	0.01	5.5	0.1	<0.05	7	<0.5	0.2
Reference Materials																		
STD DS7	Standard	14	200	1.04	427	0.130	39	1.02	0.104	0.46	4.3	0.21	2.6	4.7	0.17	5	3.7	1.4
STD DS7	Standard	13	180	1.03	410	0.136	42	1.01	0.103	0.47	3.6	0.21	3.0	4.4	0.19	5	3.8	1.6
STD DS7	Standard	14	208	1.05	410	0.129	42	1.08	0.097	0.46	3.7	0.22	2.3	4.2	0.20	5	3.9	1.0
STD DS7	Standard	12	198	1.05	423	0.127	42	0.98	0.099	0.48	3.7	0.22	2.5	4.2	0.22	5	3.7	1.5
STD DS7	Standard	12	194	1.08	400	0.116	40	1.00	0.091	0.49	4.0	0.24	2.4	4.0	0.20	5	3.6	1.7
STD DS7	Standard	13	197	1.09	412	0.123	39	1.02	0.097	0.48	3.9	0.24	2.6	4.1	0.21	5	3.6	1.3
STD DS7	Standard	14	211	1.12	441	0.135	45	1.14	0.109	0.49	3.9	0.23	2.6	4.4	0.21	5	3.9	1.2
STD DS7	Standard	13	189	1.02	401	0.114	40	1.01	0.096	0.46	3.8	0.23	2.2	4.2	0.19	4	3.8	0.8
STD DS7	Standard	12	198	1.04	413	0.120	36	1.02	0.091	0.48	3.7	0.21	2.6	4.0	0.21	5	3.2	1.0
STD DS7	Standard	13	188	1.06	413	0.124	40	1.06	0.105	0.48	3.7	0.24	2.5	4.3	0.17	5	3.3	1.7
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Project: Mariposa

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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

WHI10000049.2

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: July 01, 2010

Report Date: July 22, 2010

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CERTIFICATE OF ANALYSIS

WHI10000066.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID:
P.O. Number
Number of Samples: 82

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
TRTN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	82	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	82	Dry at 60C			WHI
1DX2	82	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
RJSV	82	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

WHI10000066.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
24700 88350	Soil	1.3	18.5	8.3	76	0.1	13.8	9.7	482	3.43	5.0	1.1	0.6	5.6	19	<0.1	0.4	0.1	47	0.33	0.047
24700 88400	Soil	3.0	21.8	11.5	113	0.3	17.3	16.3	1269	5.48	3.8	1.7	0.8	6.9	18	0.3	0.5	0.2	63	0.35	0.073
24600 87350	Soil	0.8	18.4	13.2	84	<0.1	19.7	11.7	344	3.77	6.1	0.6	<0.5	4.1	16	<0.1	0.3	0.2	74	0.21	0.047
24600 87400	Soil	0.3	15.8	2.4	168	<0.1	7.3	16.5	1368	3.49	2.1	0.5	<0.5	3.3	13	<0.1	0.2	<0.1	85	0.46	0.146
24600 87450	Soil	0.5	29.7	7.0	86	0.1	15.9	13.1	492	3.96	2.8	1.1	<0.5	5.0	18	<0.1	0.1	<0.1	88	0.50	0.104
24600 87500	Soil	0.7	33.6	9.0	60	<0.1	39.4	16.9	568	3.45	5.9	0.6	<0.5	3.2	27	<0.1	0.4	0.1	88	0.76	0.051
24600 87550	Soil	1.0	43.2	8.5	75	<0.1	27.0	16.0	469	3.69	7.5	0.9	3.0	7.1	25	<0.1	0.3	0.1	87	0.54	0.106
24600 87600	Soil	1.1	13.6	11.8	68	<0.1	12.4	9.6	361	3.04	6.3	1.4	5.1	10.1	18	<0.1	0.2	0.2	46	0.36	0.051
24600 87650	Soil	0.9	10.6	8.9	81	<0.1	8.3	9.7	430	3.09	3.9	1.0	0.8	4.8	22	<0.1	0.3	<0.1	43	0.37	0.061
24600 87700	Soil	5.4	19.1	26.7	50	0.2	4.3	4.4	201	4.07	18.3	3.5	<0.5	21.2	76	<0.1	0.6	0.5	11	0.07	0.062
24600 87750	Soil	2.3	19.2	26.8	51	<0.1	5.1	4.8	145	2.43	6.8	2.0	3.5	17.6	30	<0.1	0.3	0.4	22	0.09	0.026
24600 87800	Soil	5.6	25.9	57.0	105	0.2	10.0	6.2	202	3.97	32.2	3.4	5.0	18.0	48	<0.1	0.3	1.4	28	0.06	0.044
24600 87850	Soil	4.2	12.5	12.5	22	0.2	4.2	2.1	98	2.70	46.7	2.0	2.8	13.3	41	<0.1	0.3	0.2	24	0.09	0.039
24600 87900	Soil	2.2	19.5	12.0	65	0.1	10.0	7.5	383	2.83	9.5	1.9	<0.5	9.5	33	<0.1	0.3	0.2	41	0.30	0.031
24600 87950	Soil	1.0	24.5	11.8	49	<0.1	14.0	7.1	255	2.62	9.5	1.2	<0.5	7.7	22	<0.1	0.5	0.2	42	0.25	0.034
24600 88000	Soil	17.9	38.8	11.0	63	0.1	25.5	5.6	153	4.04	11.8	1.7	0.6	9.4	27	<0.1	0.4	0.3	70	0.10	0.035
24600 88050	Soil	0.5	19.2	5.9	70	<0.1	9.8	11.3	483	3.68	2.8	0.5	<0.5	2.2	24	<0.1	0.2	<0.1	67	0.33	0.099
24600 88100	Soil	0.6	15.9	8.3	106	<0.1	10.7	9.2	447	3.59	6.6	0.4	0.7	2.2	41	<0.1	0.3	<0.1	70	0.57	0.184
24600 88150	Soil	1.0	31.9	6.2	69	<0.1	16.6	16.4	479	3.61	4.1	0.4	<0.5	2.7	23	<0.1	0.2	<0.1	80	0.40	0.056
24600 88200	Soil	0.4	57.7	3.2	90	<0.1	23.2	32.3	317	5.17	3.4	0.1	0.6	0.5	24	<0.1	0.1	<0.1	118	0.52	0.130
24600 88250	Soil	1.0	19.9	6.1	94	<0.1	11.2	12.2	579	4.49	5.3	1.1	<0.5	6.8	17	<0.1	0.3	0.1	66	0.31	0.092
24600 88300	Soil	1.3	18.7	6.6	123	<0.1	9.2	11.2	673	4.47	3.8	0.6	<0.5	5.5	18	<0.1	0.2	<0.1	72	0.35	0.112
24600 88350	Soil	0.5	8.3	6.7	264	<0.1	7.1	6.9	330	3.72	2.7	0.4	2.2	1.9	18	<0.1	0.3	<0.1	40	0.32	0.125
24600 88400	Soil	1.1	32.5	9.1	69	<0.1	22.4	9.0	404	2.81	11.2	1.6	4.7	11.0	24	<0.1	0.6	0.2	56	0.31	0.037
25000 87500	Soil	1.3	31.5	31.4	81	0.2	21.7	10.9	404	2.62	9.7	2.8	3.3	5.4	52	0.4	0.6	0.4	52	0.93	0.072
25000 87550	Soil	1.4	15.6	10.4	110	<0.1	6.2	5.2	219	2.52	10.6	3.8	2.7	11.2	27	0.2	0.4	0.1	23	0.29	0.064
25000 87600	Soil	1.6	16.4	13.7	112	<0.1	6.1	7.4	465	2.37	4.2	2.5	1.3	11.3	19	0.1	0.2	0.1	19	0.29	0.044
25000 87650	Soil	2.7	26.5	31.2	52	0.1	16.5	8.9	299	2.68	12.6	2.9	24.9	11.6	30	<0.1	0.7	0.7	34	0.24	0.029
25000 87700	Soil	2.2	22.2	23.2	71	0.1	10.8	7.6	231	2.76	30.3	2.6	5.3	10.6	37	<0.1	1.4	0.6	31	0.28	0.039
25000 87750	Soil	1.7	16.5	57.1	93	<0.1	6.3	5.7	263	2.88	38.4	1.5	1.7	7.8	25	0.1	3.2	0.9	14	0.15	0.031



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
24700 88350	Soil	29	20	0.60	630	0.117	1	1.63	0.014	0.19	<0.1	0.01	5.4	0.1	<0.05	6	0.7	<0.2
24700 88400	Soil	27	26	0.60	590	0.065	2	1.51	0.010	0.30	<0.1	0.03	13.7	0.2	<0.05	5	0.6	<0.2
24600 87350	Soil	8	29	0.82	263	0.153	1	1.84	0.009	0.37	0.1	<0.01	5.0	0.3	<0.05	7	<0.5	<0.2
24600 87400	Soil	9	7	1.42	287	0.271	<1	2.09	0.016	1.07	0.1	<0.01	9.1	0.4	<0.05	9	0.6	<0.2
24600 87450	Soil	17	22	1.21	302	0.171	1	2.08	0.012	0.78	0.2	0.01	6.3	0.3	<0.05	8	0.8	<0.2
24600 87500	Soil	9	78	1.17	339	0.155	2	2.05	0.022	0.33	0.2	0.02	5.1	<0.1	<0.05	6	0.6	<0.2
24600 87550	Soil	24	17	0.93	280	0.071	<1	1.68	0.030	0.15	0.1	0.03	6.9	<0.1	<0.05	7	0.6	<0.2
24600 87600	Soil	18	13	0.72	141	0.138	1	1.63	0.006	0.14	0.1	0.01	1.9	0.1	<0.05	5	0.5	<0.2
24600 87650	Soil	12	17	0.79	208	0.161	<1	1.85	0.010	0.28	0.1	<0.01	1.7	0.1	<0.05	5	<0.5	<0.2
24600 87700	Soil	54	5	0.12	128	0.016	1	0.88	0.039	0.18	<0.1	<0.01	2.3	0.1	0.29	3	1.2	0.4
24600 87750	Soil	29	8	0.22	173	0.026	1	0.90	0.026	0.11	<0.1	<0.01	2.2	<0.1	0.14	3	0.8	<0.2
24600 87800	Soil	35	21	0.33	151	0.063	1	1.38	0.060	0.16	<0.1	0.01	3.0	0.1	0.36	4	2.8	1.3
24600 87850	Soil	20	8	0.20	154	0.050	1	0.93	0.061	0.14	<0.1	0.01	1.6	<0.1	0.29	3	2.8	0.4
24600 87900	Soil	23	17	0.66	324	0.112	1	1.51	0.019	0.21	<0.1	<0.01	2.9	0.2	0.07	5	0.6	0.2
24600 87950	Soil	15	23	0.48	271	0.069	2	1.25	0.014	0.15	<0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
24600 88000	Soil	16	46	0.46	95	0.075	1	1.47	0.015	0.10	<0.1	<0.01	5.1	<0.1	0.10	4	0.7	<0.2
24600 88050	Soil	4	11	0.93	383	0.137	<1	2.00	0.014	0.61	0.2	<0.01	3.2	0.2	<0.05	7	<0.5	<0.2
24600 88100	Soil	5	16	1.19	252	0.157	1	2.38	0.014	0.53	<0.1	<0.01	1.9	0.2	<0.05	8	<0.5	<0.2
24600 88150	Soil	6	21	0.99	189	0.164	2	1.95	0.015	0.39	<0.1	<0.01	4.3	0.1	<0.05	6	<0.5	<0.2
24600 88200	Soil	1	18	2.07	357	0.454	1	3.80	0.020	1.37	0.2	<0.01	1.0	0.3	<0.05	7	<0.5	<0.2
24600 88250	Soil	13	24	0.85	309	0.149	2	2.36	0.013	0.48	0.1	0.02	4.8	0.2	<0.05	8	<0.5	<0.2
24600 88300	Soil	5	16	1.31	284	0.261	2	2.85	0.008	0.89	<0.1	<0.01	4.2	0.3	<0.05	11	<0.5	<0.2
24600 88350	Soil	8	12	0.80	590	0.127	<1	1.91	0.009	0.46	<0.1	0.01	1.4	0.3	<0.05	9	<0.5	<0.2
24600 88400	Soil	40	35	0.67	289	0.098	2	1.67	0.015	0.10	0.1	0.03	6.8	0.1	<0.05	5	1.1	<0.2
25000 87500	Soil	16	27	0.61	259	0.082	2	1.42	0.055	0.09	0.1	0.02	3.8	<0.1	0.08	4	0.8	<0.2
25000 87550	Soil	26	9	0.57	163	0.077	<1	1.43	0.011	0.24	<0.1	<0.01	2.0	0.3	<0.05	3	1.1	<0.2
25000 87600	Soil	19	9	0.46	218	0.084	<1	1.32	0.007	0.15	<0.1	<0.01	1.7	0.1	<0.05	3	<0.5	<0.2
25000 87650	Soil	29	21	0.31	294	0.034	9	1.21	0.019	0.08	0.1	0.02	3.7	<0.1	<0.05	3	1.0	1.0
25000 87700	Soil	24	14	0.38	262	0.045	1	1.26	0.012	0.09	<0.1	0.01	3.2	0.1	<0.05	4	0.9	0.4
25000 87750	Soil	21	9	0.22	185	0.015	1	1.21	0.013	0.09	<0.1	0.01	2.2	<0.1	<0.05	3	0.5	0.4



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Project: Mariposa
Report Date: July 22, 2010

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25000 87800	Soil	1.0	18.8	20.2	96	<0.1	5.7	6.5	308	2.52	5.6	2.2	3.1	11.8	30	0.2	0.3	0.3	20	0.28	0.031
25000 87850	Soil	1.5	16.2	13.4	64	<0.1	12.2	9.5	370	2.75	6.9	1.8	2.2	8.2	26	<0.1	0.5	0.2	39	0.31	0.022
25000 87900	Soil	2.5	26.6	9.9	44	<0.1	11.2	7.3	222	2.68	8.7	1.9	1.1	6.5	30	<0.1	0.4	0.1	41	0.29	0.030
25000 87950	Soil	3.0	21.9	15.9	60	<0.1	14.3	9.4	494	3.03	36.5	1.1	2.6	10.8	32	<0.1	0.4	0.1	39	0.34	0.060
25000 88000	Soil	0.7	19.1	11.9	95	<0.1	13.7	10.3	416	3.26	4.6	0.4	<0.5	2.2	58	<0.1	0.3	<0.1	58	0.57	0.108
25000 88050	Soil	0.5	20.0	6.2	84	<0.1	11.5	12.9	546	3.70	3.2	0.6	0.8	2.9	18	<0.1	0.2	<0.1	70	0.52	0.104
25000 88100	Soil	0.8	24.7	5.6	57	<0.1	17.4	11.4	374	2.86	6.6	0.5	1.5	3.0	24	<0.1	0.4	<0.1	61	0.51	0.049
25000 88150	Soil	0.4	32.5	2.5	105	<0.1	12.1	17.6	1048	5.21	1.5	0.3	<0.5	1.0	25	<0.1	<0.1	<0.1	84	0.80	0.188
25000 88200	Soil	1.2	23.3	6.9	68	0.1	12.7	10.3	461	3.31	4.3	1.3	3.2	7.9	22	<0.1	0.2	0.1	47	0.47	0.060
25000 88250	Soil	0.7	30.5	5.5	66	<0.1	15.2	15.1	412	3.75	2.5	0.7	<0.5	3.6	23	0.1	0.1	<0.1	85	0.67	0.167
25000 88300	Soil	1.3	15.2	6.5	81	<0.1	13.4	8.5	609	3.41	3.7	1.0	1.6	7.8	22	<0.1	0.3	0.1	40	0.44	0.067
25000 88350	Soil	1.2	13.5	4.5	68	<0.1	7.6	8.1	408	3.50	2.4	1.3	0.9	8.6	12	<0.1	0.3	0.1	28	0.18	0.042
25000 88400	Soil	1.6	26.1	7.2	120	0.1	24.6	13.1	1254	5.55	4.0	1.3	13.0	8.4	22	<0.1	0.4	0.1	78	0.38	0.099
24900 87500	Soil	0.3	30.7	3.9	82	<0.1	18.2	17.2	396	3.56	2.0	0.5	0.6	3.8	30	<0.1	0.1	<0.1	83	0.69	0.195
24900 87550	Soil	0.5	14.9	6.6	73	<0.1	9.6	10.3	411	2.64	2.0	1.4	<0.5	12.2	17	<0.1	<0.1	<0.1	35	0.29	0.088
24900 87600	Soil	1.1	18.8	5.5	76	<0.1	10.0	10.9	426	3.07	4.0	1.2	<0.5	6.5	18	<0.1	0.2	<0.1	42	0.24	0.038
24900 87700	Soil	2.0	16.5	17.2	92	<0.1	9.8	6.3	205	2.26	6.0	2.1	6.5	7.7	18	<0.1	0.3	0.3	25	0.22	0.022
24900 87750	Soil	1.5	26.8	20.2	52	<0.1	12.1	5.8	189	2.92	7.8	1.4	3.5	12.7	34	<0.1	0.3	0.6	30	0.15	0.030
24900 87800	Soil	2.4	16.5	24.3	60	0.1	8.7	4.7	173	2.73	11.2	3.8	4.4	13.7	40	<0.1	0.3	0.3	29	0.19	0.036
24900 87850	Soil	2.3	25.1	7.5	49	<0.1	22.6	7.2	273	2.46	9.4	1.0	3.9	4.8	27	<0.1	0.5	0.1	46	0.38	0.044
24900 87900	Soil	1.7	19.1	9.4	63	<0.1	21.3	9.6	254	2.73	10.0	0.8	1.0	6.0	20	<0.1	0.4	0.1	44	0.33	0.059
24900 87950	Soil	3.2	20.9	8.9	65	<0.1	16.5	8.4	261	2.99	13.7	0.6	5.6	3.0	20	<0.1	0.4	0.1	54	0.29	0.042
24900 88000	Soil	1.1	17.4	6.0	71	<0.1	10.8	9.4	320	3.19	4.1	0.3	<0.5	1.5	15	<0.1	0.2	<0.1	74	0.20	0.026
24900 88050	Soil	1.7	16.3	12.6	48	<0.1	5.7	6.1	127	2.20	4.9	0.5	<0.5	2.5	9	<0.1	0.3	0.1	31	0.07	0.012
24900 88100	Soil	0.9	30.9	4.9	59	<0.1	21.5	13.7	347	3.49	3.7	0.3	1.1	1.6	21	<0.1	0.2	<0.1	86	0.41	0.054
24900 88150	Soil	0.5	30.3	5.8	59	0.1	20.0	9.9	422	2.73	5.1	1.0	7.6	3.3	31	0.2	0.4	0.1	55	0.75	0.073
24900 88250	Soil	0.7	24.9	4.9	63	<0.1	11.6	12.8	317	3.76	2.2	0.4	<0.5	1.9	20	<0.1	0.2	<0.1	87	0.66	0.157
24900 88250A	Soil	1.3	31.8	8.9	63	<0.1	18.4	11.9	314	3.54	5.7	0.9	1.3	4.1	19	<0.1	0.4	<0.1	73	0.29	0.031
24900 88300	Soil	0.9	12.1	6.9	85	<0.1	8.0	5.1	625	2.56	3.4	0.8	0.6	5.4	18	<0.1	0.3	<0.1	22	0.28	0.016
24900 88350	Soil	2.0	10.8	6.5	117	<0.1	11.7	6.8	370	3.25	3.6	0.7	1.6	3.8	17	<0.1	0.2	<0.1	46	0.38	0.046



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25000 87800	Soil	33	8	0.37	189	0.047	<1	1.25	0.009	0.12	<0.1	<0.01	1.9	0.1	<0.05	3	0.5	1.0
25000 87850	Soil	16	19	0.42	221	0.054	<1	1.56	0.013	0.10	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
25000 87900	Soil	18	19	0.44	311	0.070	1	1.44	0.018	0.12	<0.1	0.01	2.4	<0.1	<0.05	4	0.7	<0.2
25000 87950	Soil	28	18	0.53	325	0.043	2	1.36	0.016	0.14	<0.1	0.01	4.0	<0.1	<0.05	4	0.7	<0.2
25000 88000	Soil	13	19	1.10	454	0.148	1	2.12	0.010	0.12	<0.1	<0.01	2.3	<0.1	<0.05	7	<0.5	<0.2
25000 88050	Soil	10	19	1.20	339	0.177	1	2.13	0.016	0.67	0.1	<0.01	3.0	0.2	<0.05	7	<0.5	<0.2
25000 88100	Soil	10	28	0.72	276	0.092	2	1.57	0.021	0.15	0.1	<0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
25000 88150	Soil	9	22	1.87	483	0.328	<1	2.91	0.014	1.31	0.2	<0.01	2.8	0.4	<0.05	9	<0.5	<0.2
25000 88200	Soil	31	22	0.77	384	0.118	2	1.77	0.012	0.31	0.1	0.02	4.9	0.1	<0.05	7	<0.5	0.2
25000 88250	Soil	12	28	1.56	449	0.174	2	2.08	0.023	0.55	<0.1	0.01	4.7	0.1	<0.05	8	<0.5	<0.2
25000 88300	Soil	25	20	0.65	347	0.094	1	1.49	0.014	0.33	0.1	0.01	4.4	0.2	<0.05	6	<0.5	<0.2
25000 88350	Soil	25	10	0.59	347	0.057	2	1.58	0.009	0.38	<0.1	<0.01	4.4	0.1	<0.05	6	<0.5	<0.2
25000 88400	Soil	37	24	1.15	404	0.076	1	2.14	0.012	0.35	<0.1	0.02	18.5	0.2	<0.05	10	<0.5	<0.2
24900 87500	Soil	20	19	1.67	248	0.170	<1	2.41	0.016	0.57	<0.1	<0.01	3.4	0.1	<0.05	6	<0.5	<0.2
24900 87550	Soil	13	15	0.81	141	0.208	<1	1.61	0.006	0.89	<0.1	<0.01	1.0	0.5	<0.05	5	<0.5	<0.2
24900 87600	Soil	13	19	0.84	219	0.163	1	1.87	0.009	0.56	<0.1	0.01	2.1	0.4	<0.05	5	<0.5	<0.2
24900 87700	Soil	12	15	0.40	184	0.043	<1	1.23	0.011	0.07	<0.1	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
24900 87750	Soil	28	17	0.36	220	0.026	1	1.23	0.028	0.07	<0.1	0.02	3.2	<0.1	0.09	3	0.6	0.9
24900 87800	Soil	33	13	0.27	202	0.064	<1	1.22	0.033	0.07	<0.1	0.01	3.3	<0.1	0.10	3	0.7	0.9
24900 87850	Soil	17	30	0.57	344	0.055	<1	1.46	0.017	0.07	<0.1	0.03	4.6	<0.1	<0.05	4	<0.5	<0.2
24900 87900	Soil	15	26	0.69	317	0.060	1	1.59	0.015	0.13	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
24900 87950	Soil	11	20	0.84	307	0.063	<1	1.79	0.009	0.22	<0.1	0.01	2.7	0.1	<0.05	5	<0.5	<0.2
24900 88000	Soil	5	19	0.88	331	0.192	<1	2.17	0.012	0.47	<0.1	<0.01	3.3	0.3	<0.05	6	<0.5	<0.2
24900 88050	Soil	13	9	0.28	362	0.010	<1	1.23	0.007	0.12	<0.1	0.01	2.9	<0.1	<0.05	3	<0.5	<0.2
24900 88100	Soil	6	36	1.33	179	0.165	<1	2.20	0.017	0.23	0.1	0.01	4.8	0.1	<0.05	7	<0.5	<0.2
24900 88150	Soil	23	26	0.71	360	0.086	1	1.60	0.019	0.21	0.1	0.06	5.5	0.1	<0.05	5	<0.5	<0.2
24900 88250	Soil	11	17	1.40	419	0.188	<1	2.44	0.023	0.79	0.1	0.02	4.8	0.2	<0.05	7	<0.5	<0.2
24900 88250A	Soil	31	33	0.90	347	0.082	<1	1.73	0.013	0.21	<0.1	0.03	6.9	<0.1	<0.05	5	<0.5	<0.2
24900 88300	Soil	6	10	0.95	194	0.056	<1	2.10	0.007	0.24	<0.1	0.02	2.2	0.1	<0.05	6	<0.5	<0.2
24900 88350	Soil	12	18	0.68	462	0.121	<1	1.67	0.013	0.45	0.1	0.02	3.2	0.2	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
24900 88400	Soil	0.3	7.8	2.8	121	<0.1	4.8	13.6	652	4.97	1.2	0.4	<0.5	3.4	9	<0.1	<0.1	<0.1	109	0.32	0.032
24800 87400	Soil	0.4	46.4	6.6	66	0.1	29.3	18.9	571	3.77	7.2	0.7	2.1	3.4	17	<0.1	0.1	<0.1	86	0.62	0.081
24800 87450	Soil	0.3	33.9	3.5	89	<0.1	22.7	19.6	471	4.04	1.5	0.5	<0.5	2.4	18	<0.1	0.1	<0.1	110	0.60	0.065
24800 87500	Soil	0.2	40.0	2.4	85	<0.1	10.5	22.6	835	3.29	1.3	0.5	11.0	5.1	41	<0.1	<0.1	<0.1	78	0.89	0.166
24800 87550	Soil	0.6	12.8	7.0	63	<0.1	9.4	8.2	321	2.38	3.5	1.2	1.8	9.8	14	<0.1	0.2	<0.1	36	0.23	0.030
24800 87600	Soil	1.1	16.0	9.2	62	<0.1	12.8	8.1	302	2.47	5.1	1.3	3.9	7.7	24	<0.1	0.3	0.2	45	0.31	0.033
24800 87650	Soil	1.8	13.0	13.0	59	0.2	10.1	6.4	210	2.55	10.2	1.2	5.4	5.9	25	<0.1	0.2	0.2	37	0.24	0.035
24800 87700	Soil	2.8	12.7	27.4	55	0.1	6.6	4.0	121	2.70	13.4	1.1	5.8	9.4	30	<0.1	0.3	0.4	27	0.12	0.028
24800 87750	Soil	2.2	16.5	12.9	54	0.1	8.6	8.0	276	2.73	11.3	1.6	2.1	6.9	30	<0.1	0.3	0.2	42	0.25	0.036
24800 87800	Soil	2.3	18.6	18.6	66	0.3	8.6	5.1	244	2.68	6.6	2.4	1.8	8.7	40	<0.1	0.2	0.3	28	0.29	0.039
24800 87850	Soil	5.6	35.4	8.5	64	<0.1	19.5	8.1	250	3.30	12.3	1.5	1.2	12.1	30	<0.1	0.5	0.2	50	0.26	0.056
24800 87900	Soil	1.6	30.3	11.7	56	<0.1	20.7	8.9	230	2.50	7.8	0.8	2.4	6.9	20	<0.1	0.4	0.1	44	0.29	0.042
24800 87950	Soil	1.7	15.8	10.9	35	<0.1	10.3	5.8	167	1.68	6.3	0.3	2.5	1.5	12	<0.1	0.3	<0.1	29	0.15	0.020
24800 88000	Soil	1.0	21.0	8.1	47	<0.1	17.6	7.2	204	2.30	7.4	0.4	3.2	2.6	17	<0.1	0.4	<0.1	51	0.20	0.018
24800 88050	Soil	3.0	18.4	8.4	82	<0.1	12.6	8.9	403	2.97	5.3	0.4	0.8	1.9	16	<0.1	0.2	<0.1	67	0.19	0.041
24800 88100	Soil	0.4	21.7	3.8	74	<0.1	10.4	12.0	531	3.00	2.3	0.3	<0.5	1.5	24	<0.1	0.2	<0.1	54	0.33	0.072
24800 88150	Soil	0.7	53.6	5.4	102	<0.1	17.2	21.1	1033	4.32	4.9	0.7	1.8	2.0	28	<0.1	0.3	<0.1	88	0.93	0.137
24800 88200	Soil	0.9	12.3	6.2	53	<0.1	18.9	8.3	283	2.92	4.6	0.6	0.5	4.2	19	<0.1	0.3	<0.1	52	0.31	0.031
24800 88250	Soil	0.9	15.8	5.6	53	<0.1	40.1	10.2	289	3.06	5.3	0.6	1.9	4.4	22	<0.1	0.2	<0.1	60	0.34	0.035
24800 88300	Soil	0.7	38.3	5.1	68	0.4	20.4	13.1	633	3.32	3.2	1.3	2.0	2.1	45	0.2	0.2	<0.1	76	1.05	0.099
24800 88350	Soil	1.2	18.6	10.4	75	0.2	19.6	9.8	346	3.28	5.2	0.9	1.7	5.6	17	<0.1	0.3	0.1	59	0.32	0.030
24800 88400	Soil	0.7	17.9	5.1	70	<0.1	22.4	15.2	444	3.65	3.8	0.3	0.7	1.9	22	<0.1	0.3	<0.1	85	0.30	0.020



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Project: Mariposa
Report Date: July 22, 2010

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CERTIFICATE OF ANALYSIS

WHI10000066.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
24900 88400	Soil	8	5	1.23	283	0.307	<1	2.22	0.031	0.82	<0.1	<0.01	6.2	0.2	<0.05	9	<0.5	<0.2
24800 87400	Soil	14	55	1.48	259	0.131	<1	2.22	0.015	0.47	<0.1	0.03	7.9	0.2	<0.05	6	<0.5	<0.2
24800 87450	Soil	9	83	2.46	482	0.252	<1	3.10	0.025	0.86	<0.1	<0.01	7.0	0.5	<0.05	8	<0.5	<0.2
24800 87500	Soil	28	8	1.93	259	0.218	<1	2.35	0.016	0.76	<0.1	0.03	2.3	0.2	<0.05	5	<0.5	<0.2
24800 87550	Soil	15	16	0.52	159	0.137	<1	1.47	0.009	0.50	<0.1	0.01	1.7	0.4	<0.05	4	<0.5	<0.2
24800 87600	Soil	21	24	0.61	270	0.105	<1	1.52	0.015	0.20	<0.1	0.02	3.6	0.2	<0.05	4	<0.5	<0.2
24800 87650	Soil	15	18	0.47	165	0.072	<1	1.44	0.021	0.11	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	0.3
24800 87700	Soil	25	13	0.27	135	0.038	<1	1.11	0.046	0.09	<0.1	0.02	1.8	<0.1	0.15	3	<0.5	0.3
24800 87750	Soil	18	16	0.46	184	0.076	<1	1.52	0.020	0.11	<0.1	0.02	2.9	<0.1	0.06	4	<0.5	<0.2
24800 87800	Soil	27	13	0.42	253	0.066	<1	1.64	0.025	0.14	<0.1	0.02	2.9	0.1	0.10	4	<0.5	0.6
24800 87850	Soil	24	29	0.52	273	0.047	<1	1.57	0.015	0.16	<0.1	0.02	3.2	0.1	0.07	4	<0.5	<0.2
24800 87900	Soil	17	33	0.55	377	0.060	1	1.50	0.016	0.14	0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
24800 87950	Soil	6	15	0.28	216	0.018	<1	1.16	0.008	0.14	<0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
24800 88000	Soil	10	27	0.49	199	0.073	<1	1.65	0.011	0.13	<0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
24800 88050	Soil	5	15	0.89	225	0.134	<1	2.26	0.010	0.49	0.1	0.01	2.0	0.2	<0.05	6	<0.5	<0.2
24800 88100	Soil	4	12	0.99	187	0.167	<1	1.90	0.008	0.62	<0.1	0.02	1.5	0.2	<0.05	6	<0.5	<0.2
24800 88150	Soil	10	18	1.52	243	0.092	<1	1.73	0.018	0.12	<0.1	0.02	8.9	0.1	<0.05	6	<0.5	0.2
24800 88200	Soil	24	25	0.84	212	0.107	<1	1.75	0.015	0.20	<0.1	0.03	3.1	0.1	<0.05	5	<0.5	<0.2
24800 88250	Soil	15	50	1.07	219	0.120	<1	1.90	0.023	0.16	0.1	0.03	3.8	0.1	<0.05	6	<0.5	<0.2
24800 88300	Soil	21	28	1.10	996	0.122	1	2.16	0.017	0.43	0.1	0.08	6.0	0.2	0.06	6	<0.5	<0.2
24800 88350	Soil	26	35	0.66	584	0.102	<1	1.82	0.014	0.21	<0.1	0.03	4.8	0.1	<0.05	6	<0.5	<0.2
24800 88400	Soil	7	40	1.30	232	0.146	<1	2.24	0.020	0.37	<0.1	0.02	4.4	0.2	<0.05	6	<0.5	<0.2



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Project: Mariposa
Report Date: July 22, 2010

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QUALITY CONTROL REPORT

WHI10000066.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
24600 87850	Soil	4.2	12.5	12.5	22	0.2	4.2	2.1	98	2.70	46.7	2.0	2.8	13.3	41	<0.1	0.3	0.2	24	0.09	0.039
REP 24600 87850	QC	4.0	12.1	12.3	21	0.1	4.0	2.0	96	2.63	46.7	2.0	2.9	12.7	39	<0.1	0.2	0.2	26	0.08	0.039
25000 88050	Soil	0.5	20.0	6.2	84	<0.1	11.5	12.9	546	3.70	3.2	0.6	0.8	2.9	18	<0.1	0.2	<0.1	70	0.52	0.104
REP 25000 88050	QC	0.6	19.9	6.0	83	<0.1	11.2	13.1	550	3.71	3.2	0.6	1.2	3.0	19	<0.1	0.2	<0.1	70	0.52	0.102
25000 88350	Soil	1.2	13.5	4.5	68	<0.1	7.6	8.1	408	3.50	2.4	1.3	0.9	8.6	12	<0.1	0.3	0.1	28	0.18	0.042
REP 25000 88350	QC	1.1	13.6	4.4	71	<0.1	7.7	7.7	433	3.60	2.5	1.3	<0.5	8.1	11	<0.1	0.3	0.1	30	0.18	0.045
24900 88250A	Soil	1.3	31.8	8.9	63	<0.1	18.4	11.9	314	3.54	5.7	0.9	1.3	4.1	19	<0.1	0.4	<0.1	73	0.29	0.031
REP 24900 88250A	QC	1.3	31.0	8.5	60	<0.1	18.9	12.4	314	3.52	5.8	0.8	3.2	4.2	19	<0.1	0.4	<0.1	71	0.30	0.031
24800 87700	Soil	2.8	12.7	27.4	55	0.1	6.6	4.0	121	2.70	13.4	1.1	5.8	9.4	30	<0.1	0.3	0.4	27	0.12	0.028
REP 24800 87700	QC	2.9	12.4	27.3	53	0.1	6.8	4.0	117	2.65	13.4	1.2	4.8	9.4	30	<0.1	0.3	0.4	27	0.11	0.028
Reference Materials																					
STD DS7	Standard	20.1	104.4	56.6	381	1.0	56.4	9.2	607	2.31	48.4	4.3	80.4	4.1	69	5.7	5.2	3.8	85	0.95	0.072
STD DS7	Standard	20.4	115.9	67.4	399	1.0	54.2	9.8	623	2.48	54.4	4.6	83.1	4.5	75	6.2	6.6	4.7	87	0.92	0.077
STD DS7	Standard	20.8	111.1	66.0	396	0.9	52.9	9.2	628	2.45	51.8	5.0	71.4	4.3	73	6.2	5.9	4.5	85	0.97	0.081
STD DS7	Standard	22.1	107.5	67.1	405	1.0	56.7	9.6	685	2.55	54.5	5.0	73.4	4.8	78	6.5	6.4	4.6	91	1.04	0.081
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa

Report Date: July 22, 2010

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QUALITY CONTROL REPORT

WHI10000066.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
24600 87850	Soil	20	8	0.20	154	0.050	1	0.93	0.061	0.14	<0.1	0.01	1.6	<0.1	0.29	3	2.8	0.4
REP 24600 87850	QC	20	8	0.19	150	0.053	<1	0.96	0.060	0.12	<0.1	0.01	1.7	<0.1	0.31	3	2.9	0.6
25000 88050	Soil	10	19	1.20	339	0.177	1	2.13	0.016	0.67	0.1	<0.01	3.0	0.2	<0.05	7	<0.5	<0.2
REP 25000 88050	QC	10	19	1.21	349	0.182	2	2.12	0.016	0.70	<0.1	0.01	3.0	0.2	<0.05	7	<0.5	<0.2
25000 88350	Soil	25	10	0.59	347	0.057	2	1.58	0.009	0.38	<0.1	<0.01	4.4	0.1	<0.05	6	<0.5	<0.2
REP 25000 88350	QC	24	10	0.63	337	0.058	2	1.65	0.008	0.38	<0.1	<0.01	4.1	0.1	<0.05	6	0.5	<0.2
24900 88250A	Soil	31	33	0.90	347	0.082	<1	1.73	0.013	0.21	<0.1	0.03	6.9	<0.1	<0.05	5	<0.5	<0.2
REP 24900 88250A	QC	31	32	0.91	347	0.080	1	1.75	0.015	0.20	<0.1	0.02	6.6	<0.1	<0.05	5	<0.5	<0.2
24800 87700	Soil	25	13	0.27	135	0.038	<1	1.11	0.046	0.09	<0.1	0.02	1.8	<0.1	0.15	3	<0.5	0.3
REP 24800 87700	QC	26	13	0.27	135	0.035	<1	1.07	0.044	0.08	<0.1	0.01	1.9	<0.1	0.16	3	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	14	198	1.06	396	0.123	40	1.07	0.096	0.46	3.6	0.23	2.7	3.9	0.18	4	2.8	1.5
STD DS7	Standard	13	197	1.02	415	0.128	42	1.03	0.095	0.44	3.8	0.20	2.5	4.0	0.17	5	3.9	1.2
STD DS7	Standard	12	182	1.05	418	0.126	38	1.07	0.091	0.48	3.7	0.21	2.4	4.0	0.12	5	4.0	0.7
STD DS7	Standard	14	207	1.12	433	0.134	42	1.11	0.109	0.52	3.9	0.23	2.7	4.3	0.20	5	3.8	1.1
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: July 05, 2010

Report Date: July 23, 2010

Page: 1 of 9

CERTIFICATE OF ANALYSIS

WHI10000077.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-2
P.O. Number
Number of Samples: 235

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
TRTN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
Michael Renning
John Brock

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	235	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	235	Dry at 60C			WHI
RJSV	235	Saving all or part of Soil Reject			WHI
1DX2	231	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
Report Date: July 23, 2010

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CERTIFICATE OF ANALYSIS

WHI10000077.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25200 87700	Soil	1.0	16.2	5.6	67	<0.1	11.3	8.4	241	2.29	2.1	1.0	6.9	2.8	37	0.1	0.2	<0.1	42	0.55	0.107
25200 87850	Soil	3.1	18.3	13.3	44	<0.1	15.5	8.0	285	2.70	16.2	0.8	22.7	5.2	25	<0.1	0.8	0.2	49	0.38	0.032
25200 87900	Soil	1.5	19.8	8.3	65	<0.1	20.5	10.5	318	2.87	10.5	0.8	2.2	5.3	27	<0.1	0.4	0.1	59	0.33	0.037
25200 87950	Soil	1.1	31.2	7.1	49	<0.1	21.3	8.7	341	2.62	11.8	0.8	33.3	4.2	28	<0.1	0.6	0.2	54	0.35	0.040
25200 88000	Soil	1.8	14.2	6.0	42	<0.1	9.7	7.2	256	2.43	7.2	0.4	<0.5	1.9	24	<0.1	0.1	<0.1	41	0.29	0.062
25200 88050	Soil	1.9	17.3	7.6	78	<0.1	11.6	10.7	498	3.02	7.3	0.5	2.3	2.0	30	<0.1	0.3	0.1	55	0.61	0.082
25200 88100	Soil	0.7	22.2	6.8	62	0.1	18.1	11.0	455	2.93	5.1	1.1	9.4	3.7	46	0.2	0.2	<0.1	53	0.95	0.089
25200 88150	Soil	2.2	23.2	6.9	99	<0.1	11.6	11.2	656	4.08	2.8	0.6	14.4	4.4	21	0.1	0.2	0.2	59	0.51	0.063
25200 88200	Soil	1.0	16.2	7.4	65	<0.1	11.5	7.8	395	3.39	5.7	0.8	6.3	5.1	22	<0.1	0.3	<0.1	56	0.31	0.040
25200 88250	Soil	0.8	19.8	5.6	67	0.1	14.2	11.4	451	3.27	6.9	0.8	3.2	4.8	22	<0.1	0.3	<0.1	68	0.31	0.047
25200 88300	Soil	0.8	20.1	6.8	60	<0.1	14.5	10.2	312	2.96	6.8	0.9	4.5	3.5	20	<0.1	0.3	<0.1	71	0.25	0.033
25200 88350	Soil	0.6	16.6	4.6	111	<0.1	10.3	15.5	532	3.72	4.2	0.5	2.1	3.0	20	<0.1	0.2	<0.1	106	0.36	0.060
25200 88400	Soil	1.3	18.9	6.6	63	0.2	14.4	11.2	466	2.88	4.3	0.6	3.6	2.6	21	0.2	0.3	<0.1	68	0.31	0.052
25200 88450	Soil	0.9	14.4	4.8	78	<0.1	14.7	11.8	739	2.81	4.9	0.6	2.4	3.1	23	0.1	0.2	<0.1	56	0.42	0.075
25200 88650	Soil	0.9	26.6	9.3	73	0.5	14.2	10.1	398	2.87	3.1	1.5	4.2	2.8	34	0.2	0.2	<0.1	62	0.62	0.076
25200 88750	Soil	1.7	22.0	11.1	87	0.2	13.8	11.9	594	3.39	3.7	1.0	3.7	3.6	30	0.2	0.2	<0.1	57	0.56	0.110
25200 88800	Soil	2.8	21.9	26.3	84	0.2	16.5	9.5	322	3.36	5.7	0.7	1.4	5.8	26	0.3	0.4	0.2	36	0.28	0.042
25200 88850	Soil	1.0	28.6	16.4	109	0.1	59.2	17.0	833	3.78	3.3	1.7	3.1	13.2	81	0.3	0.4	0.3	62	0.69	0.192
25200 88900	Soil	0.6	34.3	8.6	86	<0.1	13.9	18.2	482	4.31	4.1	0.7	3.8	2.8	33	<0.1	0.2	<0.1	112	0.48	0.029
25200 88950	Soil	0.8	20.8	8.8	71	0.2	11.1	8.9	292	3.12	4.5	0.5	5.1	2.2	30	<0.1	0.2	<0.1	73	0.46	0.034
25200 89000	Soil	1.0	33.1	10.9	85	0.8	11.2	10.0	440	3.18	3.3	1.3	6.2	3.4	32	<0.1	0.2	<0.1	68	0.48	0.055
25200 89050	Soil	1.5	35.8	8.3	90	0.2	9.2	13.3	456	4.26	2.2	0.7	2.2	4.5	17	0.1	<0.1	<0.1	105	0.47	0.101
25200 89100	Soil	0.9	44.6	27.0	184	0.2	11.4	13.1	675	3.75	3.1	0.9	5.5	2.8	35	0.6	0.2	<0.1	74	0.49	0.058
25200 89150	Soil	1.8	37.1	29.0	129	0.3	19.5	11.9	504	3.89	8.2	0.6	2.0	4.5	27	0.2	0.4	0.3	74	0.25	0.020
25200 89200	Soil	2.7	107.7	15.6	118	0.8	51.9	12.2	589	3.72	8.7	1.5	6.2	8.3	155	0.2	0.2	1.4	50	0.54	0.107
25200 89250	Soil	1.3	95.2	26.1	161	0.1	3.4	10.0	634	4.08	1.8	0.4	<0.5	3.4	24	0.1	0.1	0.2	83	0.23	0.032
25200 89300	Soil	2.2	125.7	27.1	140	0.2	11.7	7.4	418	3.47	5.2	0.7	0.8	7.5	19	0.1	0.3	1.1	41	0.20	0.032
25200 89350	Soil	1.2	20.8	10.5	78	0.4	20.0	9.9	666	3.12	8.7	0.4	3.5	4.0	27	0.2	0.5	0.2	67	0.28	0.037
25200 89400	Soil	1.5	24.4	10.1	61	0.4	20.7	9.2	534	2.84	9.7	1.1	7.4	7.4	22	0.1	0.6	0.2	63	0.18	0.019
25200 89450	Soil	7.8	13.5	10.1	61	<0.1	9.0	4.2	242	2.47	4.4	0.6	223.6	4.6	57	0.2	0.4	0.2	33	0.18	0.031



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25200 87700	Soil	12	17	0.68	210	0.088	<1	1.25	0.016	0.20	0.1	0.03	3.6	0.1	<0.05	5	<0.5	<0.2
25200 87850	Soil	15	22	0.44	458	0.039	1	1.54	0.013	0.09	0.1	0.01	2.6	<0.1	<0.05	5	0.8	0.6
25200 87900	Soil	9	35	0.74	188	0.094	1	1.81	0.013	0.11	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
25200 87950	Soil	15	23	0.55	282	0.079	<1	1.45	0.016	0.07	0.2	0.05	5.0	<0.1	<0.05	5	0.7	<0.2
25200 88000	Soil	8	14	0.72	228	0.124	<1	1.38	0.016	0.30	0.1	0.02	1.7	0.3	<0.05	5	<0.5	0.4
25200 88050	Soil	8	17	0.73	293	0.104	<1	1.78	0.012	0.26	0.1	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
25200 88100	Soil	17	21	0.78	513	0.100	1	1.46	0.016	0.20	0.1	0.04	4.4	0.1	<0.05	5	<0.5	<0.2
25200 88150	Soil	12	19	1.00	253	0.109	<1	1.73	0.011	0.51	<0.1	0.02	4.0	0.2	<0.05	8	<0.5	<0.2
25200 88200	Soil	19	18	0.85	252	0.145	<1	1.77	0.014	0.38	<0.1	0.03	3.9	0.2	<0.05	8	0.7	<0.2
25200 88250	Soil	20	23	0.83	222	0.125	<1	1.72	0.015	0.22	0.1	0.02	5.7	0.1	<0.05	7	0.6	<0.2
25200 88300	Soil	18	25	0.77	226	0.108	<1	1.82	0.014	0.12	0.2	0.03	5.7	<0.1	<0.05	7	<0.5	<0.2
25200 88350	Soil	10	17	1.38	297	0.166	<1	2.03	0.017	0.45	0.1	<0.01	6.5	0.2	<0.05	9	0.5	<0.2
25200 88400	Soil	10	26	0.77	245	0.106	<1	1.72	0.014	0.13	0.2	0.04	4.8	0.1	<0.05	7	0.6	0.4
25200 88450	Soil	13	24	0.70	285	0.107	<1	1.60	0.020	0.14	0.2	0.04	5.1	<0.1	<0.05	6	<0.5	<0.2
25200 88650	Soil	21	28	0.87	585	0.117	<1	1.94	0.017	0.33	0.1	0.07	6.1	0.1	<0.05	7	0.9	<0.2
25200 88750	Soil	17	22	0.73	356	0.066	<1	1.56	0.015	0.16	<0.1	<0.01	5.9	<0.1	<0.05	7	0.7	<0.2
25200 88800	Soil	18	24	0.33	589	0.024	<1	1.32	0.008	0.13	<0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
25200 88850	Soil	64	119	0.95	1246	0.057	<1	1.78	0.014	0.13	<0.1	0.03	8.5	<0.1	<0.05	8	0.8	<0.2
25200 88900	Soil	8	25	1.45	309	0.245	<1	2.65	0.020	0.36	<0.1	<0.01	5.7	0.2	<0.05	9	<0.5	<0.2
25200 88950	Soil	9	20	0.74	206	0.144	<1	1.96	0.015	0.12	<0.1	<0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
25200 89000	Soil	18	21	0.86	286	0.147	<1	2.17	0.017	0.24	0.1	0.04	4.8	0.1	<0.05	7	0.5	<0.2
25200 89050	Soil	15	24	1.30	401	0.221	<1	2.51	0.016	0.94	0.1	0.02	8.2	0.4	<0.05	9	<0.5	<0.2
25200 89100	Soil	17	20	1.11	378	0.198	<1	2.33	0.023	0.49	0.2	0.02	4.2	0.3	<0.05	7	<0.5	<0.2
25200 89150	Soil	8	29	1.03	226	0.169	<1	2.74	0.015	0.20	0.2	0.02	3.8	0.3	<0.05	8	0.8	<0.2
25200 89200	Soil	45	43	1.18	656	0.053	<1	2.53	0.017	0.26	<0.1	<0.01	5.1	0.3	<0.05	8	0.7	0.6
25200 89250	Soil	7	6	1.31	369	0.275	<1	3.05	0.010	0.90	0.2	0.02	3.8	0.8	<0.05	9	<0.5	0.4
25200 89300	Soil	10	25	0.64	266	0.123	<1	1.95	0.008	0.37	0.1	0.01	3.3	0.3	<0.05	8	<0.5	0.4
25200 89350	Soil	8	33	0.67	320	0.083	<1	2.25	0.011	0.14	0.1	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
25200 89400	Soil	35	37	0.52	357	0.078	<1	2.18	0.011	0.07	<0.1	0.02	4.6	0.1	<0.05	7	0.5	<0.2
25200 89450	Soil	14	15	0.30	426	0.018	<1	1.61	0.007	0.09	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	0.6



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
25200 89550	Soil	1.8	27.0	20.6	55	0.1	53.0	10.5	243	2.69	5.6	0.9	38.4	6.7	43	0.1	0.3	0.2	65	0.33	0.057
25200 89600	Soil	3.0	38.2	16.0	92	0.2	14.1	6.5	338	2.71	5.3	0.8	63.5	5.3	26	0.2	0.4	0.3	49	0.24	0.028
25200 89750	Soil	1.0	17.7	11.4	55	<0.1	9.6	5.4	162	2.06	0.6	0.6	3.7	8.4	20	0.1	0.1	0.2	15	0.27	0.036
25200 89850	Soil	8.7	44.2	17.6	99	0.2	15.7	9.2	547	3.06	5.2	1.2	23.3	7.5	25	0.2	0.3	0.3	47	0.32	0.049
25200 89900	Soil	7.7	78.5	17.6	98	0.5	22.1	11.8	885	4.02	9.0	2.4	30.1	6.6	40	0.2	0.5	0.3	64	0.49	0.065
25200 90000	Soil	2.0	16.4	9.7	54	<0.1	19.3	9.0	323	2.97	7.4	1.3	7.2	8.7	22	<0.1	0.4	0.1	56	0.19	0.032
25900 87850	Soil	1.1	28.5	6.9	66	0.1	18.0	12.5	625	2.83	6.2	1.2	2.3	3.4	49	0.2	0.4	0.1	55	1.08	0.099
25900 87900	Soil	0.7	32.9	7.0	66	<0.1	22.8	14.7	442	3.59	6.0	0.5	0.6	3.1	21	0.1	0.3	0.1	90	0.36	0.052
25900 87950	Soil	0.9	30.1	8.6	64	<0.1	23.5	11.4	414	3.75	9.5	0.7	4.4	6.1	24	<0.1	0.5	0.2	84	0.30	0.023
25900 88000	Soil	0.9	15.8	9.6	54	0.1	27.7	11.4	631	2.86	7.2	0.4	<0.5	4.0	28	0.1	0.4	0.2	64	0.34	0.060
25900 88050	Soil	0.8	25.2	8.7	65	<0.1	23.6	12.2	420	3.27	9.2	0.6	1.3	4.3	20	<0.1	0.6	0.2	83	0.23	0.037
25900 88100	Soil	1.0	25.4	9.9	56	<0.1	23.1	10.9	289	3.34	10.6	0.4	0.8	3.1	16	<0.1	0.5	0.2	86	0.20	0.023
25900 88150	Soil	0.9	19.0	7.9	109	<0.1	20.1	14.0	581	3.78	8.3	0.5	2.0	3.4	12	0.1	0.4	0.2	77	0.12	0.036
25900 88200	Soil	1.5	26.1	7.3	73	<0.1	24.3	14.2	401	3.72	6.4	0.5	2.9	3.2	25	<0.1	0.3	0.1	78	0.34	0.050
25900 88250	Soil	0.9	45.6	4.8	86	<0.1	41.6	21.6	763	4.81	4.4	0.7	0.7	2.6	22	<0.1	0.2	<0.1	104	0.70	0.165
25900 88300	Soil	0.6	20.2	6.7	77	<0.1	16.1	15.9	481	4.06	4.7	0.4	1.6	1.9	21	0.1	0.2	<0.1	123	0.42	0.053
25900 88350	Soil	0.6	21.0	6.1	58	<0.1	16.8	9.4	301	2.86	6.6	0.5	1.6	3.1	16	<0.1	0.4	<0.1	64	0.23	0.040
25900 88400	Soil	1.0	20.7	7.8	62	<0.1	17.6	10.2	415	3.11	6.7	0.5	0.9	3.3	16	<0.1	0.4	0.1	69	0.20	0.061
25900 88450	Soil	0.7	15.2	6.1	103	0.1	12.5	13.0	527	3.94	4.2	0.3	<0.5	2.3	21	0.1	0.3	0.1	66	0.40	0.115
25900 88500	Soil	1.0	22.8	9.6	56	0.1	22.3	9.9	293	2.94	8.3	0.5	0.9	3.3	16	<0.1	0.5	0.2	69	0.17	0.027
25900 88550	Soil	1.0	24.5	13.4	92	0.1	23.2	10.3	504	3.28	9.8	0.4	1.2	3.1	20	0.2	0.6	0.2	71	0.26	0.038
25900 88600	Soil	0.7	43.8	12.0	63	<0.1	21.8	16.4	383	3.59	7.7	0.3	3.2	2.1	12	0.3	0.4	0.1	91	0.18	0.047
25900 88650	Soil	0.8	11.0	8.8	50	<0.1	12.9	7.0	286	2.95	6.8	0.3	1.7	2.1	11	<0.1	0.4	0.2	71	0.21	0.029
25900 88750	Soil	0.8	9.9	9.3	43	<0.1	12.4	5.6	185	2.65	8.1	0.5	0.6	3.9	11	<0.1	0.4	0.2	71	0.11	0.024
25900 88850	Soil	1.0	21.7	8.9	79	<0.1	21.1	11.3	531	3.28	8.2	1.3	4.0	7.7	18	<0.1	0.5	0.2	67	0.22	0.056
25900 88900	Soil	1.2	13.1	10.0	50	<0.1	21.3	11.4	293	3.47	10.4	0.4	1.7	3.4	13	0.1	0.5	0.2	73	0.11	0.039
25900 88950	Soil	0.8	17.8	7.6	52	<0.1	17.7	10.4	342	3.12	7.0	0.6	4.5	4.2	15	<0.1	0.4	0.1	71	0.15	0.026
25900 89000	Soil	0.5	16.5	3.9	129	<0.1	38.4	30.1	1443	5.17	1.9	0.2	<0.5	1.2	15	0.2	<0.1	<0.1	142	0.43	0.154
25900 89050	Soil	0.8	19.5	7.0	54	0.1	17.1	9.4	254	2.73	5.8	0.7	2.4	3.6	15	<0.1	0.3	0.1	60	0.20	0.039
25900 89100	Soil	0.7	24.8	7.9	57	0.1	26.2	13.4	300	3.02	6.2	0.5	2.7	2.9	19	<0.1	0.3	0.1	76	0.26	0.026



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Project: Mariposa
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25200 89550	Soil	24	92	0.91	536	0.066	<1	2.07	0.014	0.05	<0.1	<0.01	3.6	0.1	<0.05	9	<0.5	<0.2
25200 89600	Soil	20	21	0.44	281	0.061	<1	1.70	0.010	0.10	<0.1	0.01	3.3	0.1	<0.05	6	<0.5	<0.2
25200 89750	Soil	27	16	0.57	350	0.003	<1	1.88	0.007	0.09	<0.1	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
25200 89850	Soil	27	26	0.51	458	0.053	<1	2.10	0.009	0.11	0.2	0.03	3.5	0.1	<0.05	6	<0.5	<0.2
25200 89900	Soil	85	38	0.61	675	0.050	<1	3.08	0.014	0.14	0.2	0.05	6.3	0.1	<0.05	10	0.9	0.4
25200 90000	Soil	20	34	0.49	313	0.063	<1	2.08	0.009	0.06	0.1	0.02	3.8	0.1	<0.05	7	0.7	<0.2
25900 87850	Soil	14	22	0.74	337	0.089	2	1.32	0.018	0.29	0.1	0.03	3.5	0.1	<0.05	5	0.6	<0.2
25900 87900	Soil	13	34	1.32	349	0.164	2	2.48	0.014	0.33	0.1	0.01	4.5	0.2	<0.05	8	<0.5	<0.2
25900 87950	Soil	14	34	0.84	310	0.074	1	2.10	0.014	0.17	0.1	0.02	7.4	<0.1	<0.05	7	<0.5	<0.2
25900 88000	Soil	11	38	0.67	449	0.073	2	1.63	0.010	0.18	0.1	0.01	3.3	<0.1	<0.05	6	<0.5	<0.2
25900 88050	Soil	11	32	0.82	232	0.117	2	2.07	0.011	0.17	0.1	0.01	5.0	<0.1	<0.05	6	<0.5	<0.2
25900 88100	Soil	7	36	0.81	234	0.102	<1	2.41	0.013	0.10	0.2	0.02	4.0	<0.1	<0.05	7	<0.5	<0.2
25900 88150	Soil	9	31	0.90	236	0.159	<1	2.38	0.008	0.38	0.2	0.01	6.9	0.2	<0.05	9	<0.5	<0.2
25900 88200	Soil	11	39	1.05	268	0.090	<1	2.26	0.013	0.10	<0.1	<0.01	4.6	<0.1	<0.05	8	<0.5	<0.2
25900 88250	Soil	15	66	1.53	345	0.066	<1	2.68	0.016	0.12	<0.1	0.01	8.1	<0.1	<0.05	9	<0.5	<0.2
25900 88300	Soil	8	26	1.25	255	0.212	2	2.51	0.016	0.39	<0.1	0.01	5.0	0.2	<0.05	8	<0.5	<0.2
25900 88350	Soil	11	26	0.77	194	0.094	1	1.63	0.014	0.13	<0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
25900 88400	Soil	9	29	0.68	195	0.093	<1	1.90	0.009	0.16	0.1	0.02	4.1	<0.1	<0.05	7	<0.5	<0.2
25900 88450	Soil	8	21	1.18	258	0.115	<1	2.35	0.011	0.28	<0.1	0.01	7.7	0.1	<0.05	10	<0.5	<0.2
25900 88500	Soil	9	38	0.60	183	0.070	<1	1.99	0.010	0.07	<0.1	0.01	3.6	<0.1	<0.05	6	<0.5	<0.2
25900 88550	Soil	9	36	0.66	324	0.086	1	2.09	0.010	0.14	0.1	0.01	4.6	<0.1	<0.05	7	0.5	<0.2
25900 88600	Soil	6	36	0.93	190	0.140	1	2.35	0.013	0.17	0.1	0.01	3.3	0.1	<0.05	6	<0.5	<0.2
25900 88650	Soil	8	23	0.52	129	0.103	<1	1.64	0.008	0.10	0.1	0.02	3.4	<0.1	<0.05	8	<0.5	<0.2
25900 88750	Soil	12	26	0.44	135	0.077	<1	1.91	0.005	0.06	0.1	0.02	3.3	0.1	<0.05	8	<0.5	<0.2
25900 88850	Soil	19	36	0.71	398	0.087	1	2.50	0.011	0.11	0.1	0.03	5.9	0.1	<0.05	7	0.5	<0.2
25900 88900	Soil	9	32	0.51	177	0.071	1	2.37	0.008	0.07	0.2	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
25900 88950	Soil	12	32	0.64	185	0.079	<1	2.19	0.013	0.09	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
25900 89000	Soil	5	83	2.61	384	0.347	<1	3.84	0.015	1.15	0.2	<0.01	3.8	0.6	<0.05	11	<0.5	<0.2
25900 89050	Soil	12	31	0.55	170	0.060	<1	2.03	0.010	0.06	0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
25900 89100	Soil	8	46	0.83	194	0.099	<1	2.49	0.013	0.05	<0.1	0.02	3.7	<0.1	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
25900 89150	Soil	0.8	24.3	9.5	61	<0.1	22.1	11.9	278	3.15	7.4	0.5	3.0	3.3	19	<0.1	0.4	0.1	74	0.23	0.022
25900 89200	Soil	0.8	45.8	8.6	71	0.2	26.8	15.7	516	4.18	5.1	1.7	4.0	4.9	26	<0.1	0.8	0.1	86	0.44	0.055
25900 89250	Soil	1.7	20.4	10.4	48	0.1	24.5	7.7	251	2.40	5.2	0.7	5.9	5.4	21	0.1	1.5	0.2	46	0.24	0.057
25900 89300	Soil	2.1	13.2	9.6	54	0.1	11.3	10.0	844	2.99	5.7	0.6	14.3	6.3	18	<0.1	0.3	0.1	56	0.14	0.076
25900 89350	Soil	0.8	16.3	7.3	69	<0.1	7.8	10.0	594	3.33	3.7	0.6	1.1	9.9	20	0.1	0.3	<0.1	40	0.24	0.073
25900 89400	Soil	1.0	19.8	7.9	55	<0.1	18.1	8.3	285	3.09	5.1	0.6	1.3	9.9	25	<0.1	0.3	<0.1	42	0.21	0.036
25900 89450	Soil	1.2	25.5	9.0	56	<0.1	24.9	12.1	337	2.94	6.0	0.7	7.4	7.7	21	0.1	0.5	0.1	61	0.22	0.030
25900 89500	Soil	1.0	26.4	8.6	51	<0.1	23.6	9.5	320	2.81	7.9	1.1	7.2	7.1	21	<0.1	0.5	0.1	61	0.20	0.021
25900 89550	Soil	1.4	14.4	8.1	48	0.1	20.5	7.9	308	2.84	5.5	0.6	5.5	5.6	14	0.1	0.4	0.1	58	0.13	0.030
25900 89600	Soil	1.6	17.6	7.9	60	<0.1	28.4	10.6	329	3.37	6.8	0.6	11.3	5.8	15	0.2	0.4	0.1	64	0.16	0.039
25900 89650	Soil	1.6	21.0	8.7	52	<0.1	21.4	11.7	280	3.14	7.3	0.6	23.1	5.5	15	0.1	0.5	0.2	66	0.15	0.016
25900 89700	Soil	1.7	26.2	9.3	51	<0.1	23.7	10.6	299	3.03	8.2	0.7	106.6	6.1	15	0.1	0.5	0.2	65	0.14	0.017
25900 89750	Soil	4.5	15.4	9.4	30	0.1	8.4	6.9	208	2.64	5.2	0.6	474.5	6.6	7	<0.1	0.5	0.2	33	0.05	0.024
25900 89850	Soil	4.7	29.0	12.9	40	0.2	17.7	6.8	216	2.67	8.3	1.0	10.5	0.5	23	0.2	0.5	0.3	60	0.19	0.054
25900 89900	Soil	8.4	34.5	14.0	55	0.2	22.7	9.4	280	3.52	10.5	1.0	8.8	1.1	20	0.2	0.6	0.3	65	0.18	0.064
25900 89950	Soil	3.7	16.7	16.6	51	<0.1	20.3	9.9	365	2.76	7.5	0.7	8.3	4.3	17	<0.1	0.4	0.2	56	0.18	0.043
25900 90000	Soil	2.9	12.5	12.9	41	<0.1	15.4	6.9	204	2.50	6.9	0.7	4.2	4.4	15	<0.1	0.5	0.3	57	0.14	0.039
25100 87650	Soil	4.3	36.8	158.0	160	0.3	16.8	34.6	4970	5.95	16.3	15.5	5.3	22.8	93	0.5	0.2	2.6	21	0.28	0.062
25100 87700	Soil	1.1	36.3	33.2	28	0.4	13.5	3.6	29	1.35	2.7	11.9	5.4	11.2	31	0.2	0.1	0.3	10	0.22	0.052
25100 87750	Soil	2.5	8.5	21.0	20	<0.1	5.7	2.2	73	2.14	14.9	0.9	1.3	8.7	18	<0.1	0.4	0.4	43	0.07	0.031
25100 87800	Soil	1.3	16.5	16.0	44	<0.1	12.8	5.9	173	2.27	12.0	1.2	3.2	6.5	22	<0.1	0.7	0.4	42	0.23	0.020
25100 87850	Soil	2.1	20.5	11.3	40	<0.1	9.8	5.9	152	1.99	5.9	2.7	2.7	7.1	27	<0.1	0.3	0.1	35	0.26	0.023
25100 87900	Soil	3.9	14.1	12.2	35	<0.1	10.8	7.1	175	2.90	19.0	1.1	1.2	11.2	25	<0.1	0.7	0.1	34	0.25	0.037
25100 87950	Soil	1.4	20.9	9.6	123	<0.1	47.5	16.0	459	3.79	8.2	1.2	<0.5	11.0	28	<0.1	0.2	0.1	65	0.51	0.148
25100 88000	Soil	1.1	17.0	10.1	49	<0.1	17.2	8.6	271	2.84	7.5	0.5	2.1	3.1	23	<0.1	0.4	0.2	59	0.30	0.038
25100 88100	Soil	1.0	31.4	6.9	67	<0.1	15.9	15.8	764	3.60	4.2	0.9	1.9	3.6	36	<0.1	0.4	0.1	74	0.71	0.082
25100 88150	Soil	1.0	21.6	8.3	68	0.1	11.6	9.7	450	3.36	3.9	1.2	3.9	6.6	28	<0.1	0.2	0.1	53	0.58	0.044
25100 88200	Soil	0.6	33.9	5.4	76	0.1	17.6	17.5	565	4.28	2.9	1.0	2.6	4.2	25	0.1	0.2	<0.1	100	0.64	0.139
25100 88250	Soil	0.9	25.6	5.2	91	<0.1	10.3	13.9	659	3.54	2.4	0.3	<0.5	1.2	47	0.1	0.2	<0.1	77	0.69	0.130
25100 88300	Soil	1.0	11.6	8.0	44	0.1	7.4	4.9	261	2.42	2.8	0.8	1.4	4.0	21	<0.1	0.3	0.2	45	0.45	0.023



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25900 89150	Soil	9	41	0.71	191	0.071	<1	2.46	0.012	0.05	<0.1	0.02	4.1	<0.1	<0.05	7	<0.5	<0.2
25900 89200	Soil	19	41	0.80	515	0.037	<1	2.13	0.010	0.07	<0.1	0.03	10.6	<0.1	<0.05	7	<0.5	<0.2
25900 89250	Soil	22	29	0.39	431	0.039	<1	1.63	0.008	0.08	0.1	0.01	2.5	<0.1	<0.05	5	<0.5	0.3
25900 89300	Soil	16	23	0.44	176	0.065	<1	1.75	0.007	0.23	<0.1	0.02	2.4	0.1	<0.05	7	<0.5	<0.2
25900 89350	Soil	19	16	0.51	231	0.057	1	2.10	0.014	0.34	<0.1	0.01	2.7	0.2	<0.05	7	<0.5	<0.2
25900 89400	Soil	19	27	0.55	266	0.055	<1	2.32	0.008	0.16	<0.1	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
25900 89450	Soil	17	42	0.65	231	0.081	1	2.40	0.010	0.08	0.1	0.03	4.2	0.1	<0.05	6	<0.5	<0.2
25900 89500	Soil	25	38	0.61	254	0.069	<1	2.01	0.020	0.05	0.1	0.04	5.7	<0.1	<0.05	5	<0.5	<0.2
25900 89550	Soil	12	31	0.50	165	0.072	<1	1.94	0.007	0.11	0.1	0.02	3.2	0.1	<0.05	7	<0.5	<0.2
25900 89600	Soil	11	43	0.68	182	0.080	<1	2.38	0.009	0.10	0.1	<0.01	3.4	0.1	<0.05	7	<0.5	<0.2
25900 89650	Soil	12	38	0.55	232	0.069	<1	2.62	0.009	0.06	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
25900 89700	Soil	14	39	0.54	252	0.065	<1	2.51	0.013	0.06	0.1	0.04	3.8	<0.1	<0.05	6	<0.5	<0.2
25900 89750	Soil	16	15	0.18	110	0.013	<1	1.67	0.005	0.05	<0.1	0.02	1.8	<0.1	0.07	4	<0.5	0.4
25900 89850	Soil	19	31	0.34	426	0.025	<1	2.02	0.009	0.06	0.1	0.03	2.0	<0.1	<0.05	6	<0.5	0.3
25900 89900	Soil	18	40	0.46	330	0.035	<1	2.24	0.011	0.06	<0.1	0.03	2.6	<0.1	<0.05	7	<0.5	0.3
25900 89950	Soil	12	33	0.55	324	0.055	<1	2.02	0.009	0.06	0.1	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
25900 90000	Soil	15	27	0.36	261	0.030	<1	1.74	0.007	0.05	0.2	0.04	2.3	0.1	<0.05	6	<0.5	<0.2
25100 87650	Soil	78	7	0.29	181	0.058	1	1.65	0.021	0.12	<0.1	0.02	4.3	0.2	0.10	4	1.7	<0.2
25100 87700	Soil	68	7	0.08	125	0.010	<1	1.73	0.009	0.12	<0.1	0.06	4.2	<0.1	<0.05	3	0.7	<0.2
25100 87750	Soil	10	11	0.11	151	0.022	<1	1.02	0.005	0.06	0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
25100 87800	Soil	17	20	0.37	187	0.043	<1	1.21	0.012	0.07	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
25100 87850	Soil	14	14	0.31	203	0.045	<1	1.11	0.009	0.06	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	0.3
25100 87900	Soil	25	16	0.35	239	0.027	<1	1.32	0.013	0.10	0.1	0.01	2.0	<0.1	<0.05	3	<0.5	0.3
25100 87950	Soil	31	76	1.33	201	0.166	<1	2.40	0.019	0.46	0.1	0.01	3.7	0.3	<0.05	6	<0.5	<0.2
25100 88000	Soil	10	24	0.57	275	0.059	1	1.73	0.011	0.15	0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
25100 88100	Soil	19	23	0.90	399	0.130	<1	1.86	0.017	0.29	0.1	0.05	5.5	0.1	<0.05	6	<0.5	<0.2
25100 88150	Soil	29	19	0.81	459	0.117	1	1.79	0.013	0.40	0.1	0.02	4.4	0.2	<0.05	7	<0.5	<0.2
25100 88200	Soil	17	33	1.78	518	0.217	1	2.50	0.016	0.86	<0.1	0.02	7.0	0.2	<0.05	7	<0.5	<0.2
25100 88250	Soil	9	22	1.38	479	0.231	1	2.16	0.015	0.62	<0.1	<0.01	1.9	0.2	<0.05	7	<0.5	<0.2
25100 88300	Soil	22	14	0.37	318	0.057	1	1.32	0.013	0.18	0.2	0.02	2.2	<0.1	<0.05	7	<0.5	<0.2



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
25100 88350	Soil	1.5	19.0	10.1	69	0.1	20.3	10.0	386	3.97	9.0	0.5	0.8	3.6	18	<0.1	0.5	0.2	78	0.19	0.029
25100 88450	Soil	1.3	20.5	9.1	115	0.1	14.1	9.9	873	3.51	6.5	0.3	1.1	2.4	34	0.4	0.5	0.2	76	0.60	0.082
25100 88500	Soil	0.7	30.7	7.1	71	0.2	20.8	11.3	460	2.59	2.9	1.1	2.8	1.2	49	0.2	0.3	0.1	56	1.01	0.086
25100 88550	Soil	1.1	27.9	8.4	80	0.2	20.6	13.0	420	3.56	4.0	1.2	1.3	3.3	40	0.2	0.2	0.1	68	0.57	0.056
25100 88600	Soil	0.8	19.9	7.9	98	<0.1	18.9	15.2	487	3.60	3.2	0.6	2.0	3.0	36	<0.1	0.2	0.1	58	0.69	0.081
25100 88700	Soil	1.0	22.4	6.0	97	0.1	12.2	11.0	554	4.04	2.3	0.7	0.6	3.5	24	0.2	0.1	0.1	56	0.51	0.094
25100 88750	Soil	2.4	39.5	15.5	108	0.1	44.9	16.6	688	5.64	4.3	1.4	1.8	6.7	38	0.4	0.3	0.2	71	0.91	0.145
25100 88800	Soil	0.9	21.0	15.0	70	<0.1	28.4	13.9	447	3.50	5.9	0.7	<0.5	7.6	20	0.2	0.4	0.2	58	0.26	0.065
25100 88850	Soil	0.9	18.0	8.6	113	0.1	24.7	19.0	460	3.85	3.9	0.9	7.6	4.1	24	0.2	0.3	0.1	84	0.47	0.071
25100 88900	Soil	0.8	30.8	11.5	91	0.4	13.3	13.4	448	3.49	3.2	1.0	4.6	3.1	31	0.1	0.2	0.1	74	0.53	0.079
25100 88950	Soil	0.7	25.1	17.0	84	<0.1	12.3	12.1	313	3.58	4.7	0.4	0.7	2.0	21	<0.1	0.3	<0.1	88	0.31	0.039
25100 89000	Soil	0.8	27.2	18.2	104	0.2	14.7	14.0	503	3.86	3.3	0.5	1.7	2.2	34	0.1	0.2	<0.1	87	0.54	0.055
25100 89050	Soil	0.5	32.3	7.6	103	<0.1	18.6	17.8	570	4.54	1.1	0.3	<0.5	0.9	32	<0.1	0.1	<0.1	97	0.79	0.074
25100 89100	Soil	0.4	40.7	10.8	102	0.1	14.3	17.6	407	4.44	2.8	0.6	2.7	2.0	36	0.1	0.2	<0.1	105	0.83	0.100
25100 89200	Soil	1.2	42.1	22.9	255	0.4	10.5	12.7	674	4.00	3.8	0.6	6.7	2.4	84	0.4	0.2	0.2	89	0.55	0.063
25100 89250	Soil	2.4	60.0	18.4	105	1.0	16.6	9.1	394	3.41	6.7	0.9	8.0	4.3	28	0.3	0.3	0.6	62	0.31	0.039
25100 89300	Soil	3.2	75.2	16.1	105	0.5	10.3	8.6	502	3.84	4.2	0.8	48.8	7.6	22	0.2	0.4	0.5	61	0.24	0.025
25100 89350	Soil	3.3	44.2	14.7	73	1.1	21.7	9.4	421	3.50	9.6	0.9	33.2	8.3	24	0.2	0.5	0.3	70	0.27	0.032
25100 89400	Soil	3.9	17.6	17.4	62	0.5	11.0	11.7	1257	2.56	5.0	0.6	6.4	3.6	20	0.2	0.3	0.2	49	0.28	0.034
25100 89500	Soil	8.3	22.0	16.9	69	0.2	16.5	8.2	335	3.90	9.1	0.5	61.1	4.3	21	0.2	0.9	0.3	56	0.21	0.034
25100 89550	Soil	2.6	25.3	14.0	58	0.1	20.0	8.0	201	2.88	7.3	0.6	4.7	2.3	34	0.1	0.3	0.3	61	0.44	0.046
25100 89600	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25100 89700	Soil	3.3	17.2	17.7	63	0.2	20.9	6.6	386	2.36	5.2	0.5	4.0	3.0	39	0.5	0.3	0.3	50	0.34	0.056
25100 89750	Soil	3.7	59.6	14.4	80	0.3	17.3	8.3	284	2.68	3.8	1.1	4.4	2.8	28	0.2	0.3	0.4	56	0.41	0.050
25100 89800	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25100 89900	Soil	7.1	23.4	12.2	87	<0.1	16.9	9.1	542	3.54	7.6	0.5	28.2	3.8	17	0.2	0.4	0.4	60	0.20	0.050
25100 89950	Soil	2.2	10.0	10.5	45	0.1	13.1	5.2	163	2.84	8.5	0.4	3.1	2.7	14	0.1	0.3	0.2	70	0.13	0.030
25100 90000	Soil	2.8	13.8	15.8	53	0.1	15.2	5.1	242	3.93	13.0	0.4	11.0	2.8	14	0.2	0.6	0.3	88	0.11	0.051
26000 87900	Soil	1.3	15.8	11.7	61	<0.1	17.9	10.5	470	3.31	7.2	0.5	3.6	3.6	17	0.1	0.5	0.2	64	0.24	0.023
26000 87950	Soil	1.9	42.3	17.5	78	<0.1	33.3	16.6	759	4.33	10.7	1.4	26.9	6.2	21	<0.1	1.3	0.1	63	0.30	0.030



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25100 88350	Soil	9	42	0.67	227	0.104	1	2.18	0.011	0.24	0.1	0.02	3.2	0.1	<0.05	7	0.5	<0.2
25100 88450	Soil	8	22	0.69	276	0.087	2	1.61	0.011	0.28	0.1	0.02	4.4	<0.1	<0.05	7	<0.5	<0.2
25100 88500	Soil	20	31	0.75	556	0.066	3	1.57	0.017	0.15	<0.1	0.08	5.3	0.1	<0.05	6	0.8	<0.2
25100 88550	Soil	18	29	0.80	589	0.122	1	1.96	0.014	0.36	0.1	0.03	5.7	0.1	<0.05	8	<0.5	<0.2
25100 88600	Soil	10	36	1.17	396	0.118	1	2.20	0.014	0.21	<0.1	0.01	3.9	0.1	<0.05	8	<0.5	<0.2
25100 88700	Soil	11	25	0.98	529	0.235	<1	2.12	0.010	0.64	0.1	0.01	2.6	0.2	<0.05	7	<0.5	<0.2
25100 88750	Soil	27	58	1.68	708	0.026	1	2.91	0.011	0.22	<0.1	0.01	9.2	<0.1	<0.05	8	<0.5	0.3
25100 88800	Soil	24	62	0.65	300	0.055	2	1.99	0.009	0.20	<0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
25100 88850	Soil	18	34	1.22	355	0.109	9	2.30	0.014	0.24	<0.1	0.01	7.9	0.1	<0.05	9	<0.5	<0.2
25100 88900	Soil	15	21	0.84	261	0.129	1	2.38	0.015	0.29	<0.1	0.05	5.8	0.1	<0.05	8	<0.5	<0.2
25100 88950	Soil	7	23	0.92	158	0.164	1	2.32	0.016	0.13	<0.1	<0.01	3.5	<0.1	<0.05	7	<0.5	<0.2
25100 89000	Soil	9	23	1.02	265	0.189	<1	2.29	0.017	0.22	0.1	0.03	3.9	0.1	<0.05	7	<0.5	<0.2
25100 89050	Soil	5	30	1.47	314	0.274	<1	2.65	0.022	0.63	0.1	<0.01	3.4	0.4	<0.05	8	<0.5	<0.2
25100 89100	Soil	10	19	1.45	333	0.260	<1	2.92	0.022	0.39	<0.1	0.02	4.1	0.2	<0.05	9	<0.5	<0.2
25100 89200	Soil	11	20	1.20	388	0.192	1	2.42	0.022	0.36	0.1	0.03	3.5	0.2	<0.05	8	<0.5	0.4
25100 89250	Soil	17	28	0.66	290	0.083	1	2.01	0.012	0.15	<0.1	0.03	3.4	0.1	<0.05	7	<0.5	0.4
25100 89300	Soil	23	16	0.72	380	0.097	<1	2.41	0.010	0.28	<0.1	0.02	3.6	0.3	<0.05	7	<0.5	<0.2
25100 89350	Soil	17	39	0.60	444	0.062	1	2.42	0.011	0.08	0.1	0.03	3.5	0.1	<0.05	7	<0.5	<0.2
25100 89400	Soil	12	22	0.35	234	0.046	3	1.79	0.008	0.13	0.1	0.04	2.4	0.1	<0.05	6	<0.5	<0.2
25100 89500	Soil	15	28	0.26	274	0.020	<1	1.49	0.006	0.10	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
25100 89550	Soil	14	37	0.57	309	0.053	<1	1.75	0.011	0.07	0.2	0.02	3.0	0.1	<0.05	7	<0.5	<0.2
25100 89600	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25100 89700	Soil	14	37	0.36	391	0.035	<1	1.31	0.008	0.10	0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
25100 89750	Soil	30	29	0.53	428	0.093	2	1.60	0.010	0.12	0.2	0.06	3.0	0.1	<0.05	6	<0.5	<0.2
25100 89800	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25100 89900	Soil	11	32	0.43	212	0.055	<1	1.78	0.007	0.12	0.2	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
25100 89950	Soil	9	26	0.33	154	0.052	<1	1.59	0.007	0.06	0.2	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2
25100 90000	Soil	8	31	0.27	162	0.077	1	1.61	0.006	0.07	0.2	0.03	2.7	<0.1	<0.05	8	<0.5	<0.2
26000 87900	Soil	10	28	0.60	290	0.076	1	1.54	0.010	0.25	0.1	0.02	4.8	0.1	<0.05	5	<0.5	<0.2
26000 87950	Soil	23	29	0.54	367	0.047	<1	1.31	0.012	0.19	0.1	0.06	8.7	<0.1	<0.05	4	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
26000 88000	Soil	0.6	40.2	7.6	110	<0.1	19.7	17.4	759	4.66	6.8	0.4	2.8	2.9	14	<0.1	0.3	<0.1	155	0.24	0.031
26000 88050	Soil	0.3	68.6	8.4	132	<0.1	11.9	27.6	1050	6.11	3.3	0.4	107.0	2.3	9	<0.1	0.2	<0.1	197	0.12	0.038
26000 88100	Soil	1.0	21.4	9.5	71	<0.1	33.3	14.3	404	3.35	7.7	0.7	2.5	4.7	37	<0.1	0.4	0.1	81	0.48	0.164
26000 88150	Soil	1.2	13.0	12.3	60	<0.1	33.3	12.1	283	2.78	6.9	0.3	1.3	2.1	27	<0.1	0.4	0.1	64	0.29	0.039
26000 88200	Soil	1.6	23.1	12.8	59	<0.1	30.8	11.8	298	3.36	9.9	0.4	3.1	3.0	17	<0.1	0.5	0.1	74	0.25	0.027
26000 88250	Soil	0.8	15.9	13.4	99	<0.1	12.2	8.8	262	3.01	4.4	0.4	<0.5	1.7	22	<0.1	0.2	<0.1	49	0.30	0.088
26000 88300	Soil	1.1	17.7	13.0	73	<0.1	18.3	9.8	518	3.07	6.7	0.5	1.6	4.1	19	<0.1	0.3	0.2	56	0.21	0.043
26000 88350	Soil	1.8	27.2	15.5	70	<0.1	48.5	13.4	385	3.54	9.0	0.6	<0.5	4.5	21	0.1	0.4	0.1	80	0.30	0.059
26000 88400	Soil	1.5	17.4	10.3	95	<0.1	22.6	11.9	357	3.31	8.4	0.4	1.7	2.8	26	0.2	0.5	0.2	70	0.39	0.116
26000 88450	Soil	0.7	37.2	9.0	61	<0.1	22.1	11.5	444	2.75	4.3	0.2	<0.5	1.0	16	0.2	0.2	<0.1	72	0.40	0.066
26000 88500	Soil	0.5	19.4	5.5	133	<0.1	12.6	14.5	460	4.00	2.9	0.6	<0.5	2.4	12	0.1	<0.1	<0.1	86	0.56	0.214
26000 88550	Soil	0.9	26.1	10.9	51	0.4	19.3	9.3	286	2.71	7.5	0.8	2.0	4.3	16	0.1	0.6	0.2	64	0.17	0.012
26000 88600	Soil	1.4	15.7	10.8	62	0.1	12.7	6.9	342	2.97	7.8	0.5	1.4	2.9	14	<0.1	0.3	0.2	68	0.20	0.049
26000 88650	Soil	0.8	15.9	7.6	94	<0.1	15.4	9.7	716	3.47	4.4	0.5	1.3	4.2	15	0.1	0.2	0.1	56	0.22	0.037
26000 88700	Soil	1.2	14.0	9.1	74	0.2	12.5	6.8	532	3.10	5.5	0.5	1.2	2.5	16	0.1	0.3	0.2	66	0.19	0.041
26000 88750	Soil	0.9	18.1	8.0	63	<0.1	22.0	10.2	379	3.03	8.2	0.6	0.8	4.3	14	0.2	0.4	0.2	59	0.16	0.042
26000 88800	Soil	2.4	36.7	14.7	78	0.3	24.2	9.6	541	3.10	6.3	2.4	3.3	6.8	27	0.2	0.3	0.2	58	0.52	0.062
26000 88850	Soil	1.5	16.2	11.3	66	0.1	18.0	8.9	487	3.36	8.2	0.6	1.9	3.9	15	0.1	0.4	0.2	68	0.17	0.043
26000 88900	Soil	1.1	18.5	15.0	49	0.2	14.1	7.5	242	3.52	7.4	0.7	4.0	3.1	13	<0.1	0.4	0.2	77	0.14	0.049
26000 88950	Soil	0.7	9.4	12.4	28	<0.1	7.4	2.6	76	2.44	7.7	0.5	1.8	0.3	12	<0.1	0.3	0.2	68	0.11	0.065
26000 89000	Soil	1.4	33.6	8.5	55	<0.1	31.7	14.1	232	3.03	6.5	0.6	4.6	2.4	18	<0.1	0.3	0.1	69	0.22	0.034
26000 89050	Soil	0.6	20.8	9.4	52	0.1	22.5	11.1	256	2.72	9.4	0.6	3.2	3.3	21	<0.1	0.4	0.1	61	0.26	0.063
26000 89100	Soil	0.9	26.8	10.1	55	0.2	27.1	12.8	293	3.20	7.8	0.3	2.8	2.0	22	0.1	0.5	0.1	71	0.25	0.036
26000 89150	Soil	0.8	32.7	8.3	61	0.2	26.8	13.5	321	3.41	7.0	0.5	4.8	2.7	18	<0.1	0.3	0.1	85	0.23	0.028
26000 89200	Soil	1.1	21.4	11.2	92	<0.1	21.4	17.1	436	4.27	4.7	0.4	4.8	3.0	20	<0.1	0.3	0.1	88	0.32	0.061
26000 89250	Soil	1.6	22.7	9.9	51	0.1	17.2	12.9	448	2.73	8.4	1.0	3.3	4.8	13	<0.1	0.4	0.2	61	0.12	0.020
26000 89300	Soil	1.6	32.8	15.8	50	0.3	15.1	7.1	266	3.42	10.1	0.5	3.3	3.8	14	0.1	0.8	0.3	67	0.14	0.033
26000 89350	Soil	1.2	23.3	11.3	58	0.2	26.8	12.4	301	3.06	10.8	0.7	6.1	6.9	13	<0.1	0.6	0.2	62	0.13	0.029
26000 89400	Soil	0.9	17.4	10.8	46	<0.1	15.0	7.5	320	2.93	5.0	0.5	1.4	5.9	39	0.1	0.3	<0.1	50	0.19	0.035
26000 89450	Soil	1.2	24.9	12.7	63	0.1	48.1	13.3	505	3.29	9.0	1.0	4.1	10.3	29	<0.1	0.5	0.2	73	0.33	0.044



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26000 88000	Soil	7	22	1.96	165	0.099	<1	2.58	0.008	0.21	<0.1	0.01	10.1	<0.1	<0.05	10	<0.5	<0.2
26000 88050	Soil	8	22	2.99	218	0.095	<1	3.50	0.008	0.58	<0.1	0.02	22.1	0.2	<0.05	14	0.9	<0.2
26000 88100	Soil	16	44	1.27	483	0.153	1	1.84	0.014	0.48	0.2	0.01	4.9	0.2	<0.05	7	<0.5	<0.2
26000 88150	Soil	6	51	0.98	344	0.125	1	1.99	0.016	0.29	0.1	0.01	2.6	0.1	<0.05	6	<0.5	<0.2
26000 88200	Soil	7	49	0.80	190	0.079	<1	2.12	0.010	0.09	0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
26000 88250	Soil	5	21	0.68	192	0.096	2	1.82	0.008	0.29	<0.1	0.02	2.3	0.1	<0.05	7	<0.5	<0.2
26000 88300	Soil	8	28	0.64	284	0.060	<1	1.82	0.008	0.12	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
26000 88350	Soil	15	85	1.22	156	0.101	<1	2.38	0.009	0.07	0.1	0.02	4.8	<0.1	<0.05	7	<0.5	<0.2
26000 88400	Soil	8	36	0.86	261	0.075	1	2.39	0.011	0.09	0.1	0.01	4.1	<0.1	<0.05	8	<0.5	<0.2
26000 88450	Soil	3	37	0.92	209	0.145	<1	2.34	0.025	0.15	<0.1	0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
26000 88500	Soil	12	20	1.90	347	0.199	<1	2.59	0.020	0.60	<0.1	<0.01	6.7	0.2	<0.05	10	<0.5	<0.2
26000 88550	Soil	12	38	0.48	243	0.072	<1	1.80	0.011	0.05	0.1	0.03	4.7	0.1	<0.05	5	<0.5	<0.2
26000 88600	Soil	11	27	0.60	196	0.108	1	1.56	0.008	0.17	0.2	0.01	4.0	<0.1	<0.05	7	<0.5	<0.2
26000 88650	Soil	15	26	1.02	302	0.142	<1	2.19	0.007	0.48	0.1	0.01	5.9	0.2	<0.05	7	<0.5	<0.2
26000 88700	Soil	9	24	0.62	199	0.125	1	1.74	0.008	0.19	0.1	0.02	3.8	0.1	<0.05	7	<0.5	<0.2
26000 88750	Soil	11	30	0.58	200	0.092	1	1.99	0.008	0.15	0.1	0.02	4.2	0.1	<0.05	6	<0.5	0.2
26000 88800	Soil	36	35	0.76	406	0.072	<1	1.87	0.011	0.08	<0.1	0.06	6.7	0.1	<0.05	6	<0.5	<0.2
26000 88850	Soil	13	32	0.48	310	0.053	2	2.27	0.010	0.11	0.1	0.03	4.2	0.1	<0.05	7	<0.5	<0.2
26000 88900	Soil	11	32	0.37	202	0.070	<1	2.21	0.010	0.10	0.1	0.03	3.8	0.2	<0.05	8	<0.5	<0.2
26000 88950	Soil	10	22	0.16	178	0.043	1	1.26	0.007	0.04	<0.1	0.03	1.5	<0.1	<0.05	8	<0.5	<0.2
26000 89000	Soil	9	50	0.78	246	0.090	<1	2.51	0.011	0.08	<0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
26000 89050	Soil	10	33	0.51	203	0.070	2	2.15	0.011	0.06	0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
26000 89100	Soil	7	41	0.78	224	0.093	<1	2.43	0.010	0.08	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	0.2
26000 89150	Soil	10	51	0.86	182	0.134	<1	2.61	0.010	0.09	0.1	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
26000 89200	Soil	10	30	1.23	272	0.122	<1	2.53	0.011	0.15	<0.1	0.02	5.8	0.1	<0.05	10	<0.5	<0.2
26000 89250	Soil	11	35	0.45	372	0.049	2	2.13	0.012	0.07	<0.1	0.05	4.2	0.1	<0.05	6	<0.5	<0.2
26000 89300	Soil	10	31	0.42	333	0.039	1	1.90	0.008	0.07	0.2	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
26000 89350	Soil	11	42	0.51	259	0.058	1	2.71	0.013	0.06	0.1	0.05	3.4	<0.1	<0.05	5	<0.5	<0.2
26000 89400	Soil	9	31	0.67	298	0.077	<1	2.12	0.009	0.19	<0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
26000 89450	Soil	31	65	0.99	388	0.136	2	2.50	0.014	0.09	0.2	0.02	4.4	0.1	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
26000 89500	Soil	1.3	14.2	16.0	49	0.1	18.5	9.0	548	3.33	8.5	0.6	7.9	5.5	18	<0.1	0.5	0.2	59	0.14	0.033
26000 89600	Soil	1.1	24.8	11.3	52	<0.1	23.2	9.3	315	3.10	10.7	1.3	5.4	8.0	15	<0.1	0.5	0.2	66	0.15	0.031
26000 89650	Soil	0.9	16.4	10.4	44	<0.1	17.7	7.6	199	2.59	7.6	0.9	4.1	4.2	13	<0.1	0.4	0.2	57	0.13	0.031
26000 89750	Soil	1.3	20.4	10.4	56	<0.1	19.8	8.8	311	3.09	7.4	0.6	7.2	11.2	15	<0.1	0.5	0.1	63	0.14	0.013
26000 89800	Soil	1.4	28.0	12.5	43	0.1	15.4	6.0	229	2.79	8.0	1.2	11.9	5.9	16	<0.1	0.5	0.2	66	0.15	0.030
26000 89850	Soil	3.4	28.2	10.1	53	<0.1	31.2	9.7	345	2.76	7.4	1.0	53.6	4.2	21	<0.1	0.5	0.2	54	0.23	0.034
26000 89900	Soil	4.1	20.0	12.6	41	<0.1	18.1	6.6	206	2.57	7.6	0.6	24.1	4.4	22	<0.1	0.4	0.2	58	0.23	0.026
26000 89950	Soil	4.7	29.2	12.5	54	<0.1	22.2	10.2	439	3.61	13.2	0.5	15.2	5.2	19	0.1	0.5	0.3	77	0.17	0.036
24600 87300	Soil	0.8	26.3	9.0	73	<0.1	18.2	11.5	498	2.81	7.5	1.1	6.1	4.3	43	0.1	0.5	0.1	55	1.25	0.081
25500 87750	Soil	2.3	19.7	9.7	82	<0.1	12.0	11.3	459	3.36	16.9	1.9	0.8	5.4	37	<0.1	0.6	0.1	57	0.42	0.070
25500 87800	Soil	1.5	20.6	13.1	75	<0.1	15.5	9.8	313	3.31	9.5	0.7	0.6	2.4	21	<0.1	0.3	0.1	70	0.32	0.060
25500 87850	Soil	1.7	18.6	12.5	77	0.1	20.5	14.0	314	3.31	8.6	0.6	0.8	3.0	22	<0.1	0.4	0.1	88	0.37	0.072
25500 87900	Soil	1.6	33.5	11.8	63	<0.1	28.0	12.5	275	3.72	14.4	0.4	4.1	3.2	21	<0.1	0.6	<0.1	98	0.35	0.038
25500 87950	Soil	1.4	21.2	13.1	51	<0.1	26.6	9.4	289	2.95	11.4	0.5	1.4	3.8	23	<0.1	0.6	0.1	65	0.29	0.017
25500 88000	Soil	1.3	25.9	13.1	64	<0.1	27.9	10.7	330	3.53	11.9	0.6	4.1	4.5	21	<0.1	0.6	0.1	75	0.21	0.024
25500 88050	Soil	1.5	13.2	15.1	58	<0.1	23.4	10.2	369	2.92	8.2	0.4	1.9	3.4	22	0.1	0.5	0.2	67	0.21	0.021
25500 88100	Soil	1.6	14.0	14.8	85	<0.1	17.4	9.2	410	3.28	6.5	0.8	0.8	5.9	23	0.1	0.4	0.1	52	0.27	0.026
25500 88150	Soil	1.5	14.6	10.4	69	<0.1	17.5	8.8	312	3.38	8.6	0.4	1.4	2.9	13	0.1	0.5	0.1	64	0.18	0.066
25500 88200	Soil	0.7	12.3	9.7	76	<0.1	6.7	4.1	387	2.53	4.3	0.4	<0.5	3.8	14	<0.1	0.1	<0.1	23	0.19	0.023
25500 88250	Soil	1.7	20.8	11.6	66	0.1	20.0	11.3	793	3.43	7.3	0.6	1.8	3.1	18	<0.1	0.4	0.2	92	0.22	0.033
25500 88300	Soil	4.0	32.8	19.2	68	0.2	23.4	10.6	528	3.12	8.2	1.1	4.7	3.8	25	<0.1	0.5	0.1	63	0.36	0.041
25500 88350	Soil	2.2	16.7	12.7	63	<0.1	22.5	11.3	332	3.86	5.5	0.5	<0.5	3.0	12	<0.1	0.3	0.1	63	0.14	0.042
25500 88400	Soil	1.3	22.5	10.3	61	<0.1	17.6	10.7	280	3.31	7.7	0.6	4.4	3.2	18	<0.1	0.3	0.1	78	0.29	0.054
25500 88450	Soil	1.0	17.3	9.7	62	<0.1	17.6	10.0	297	3.14	6.2	0.4	3.2	2.9	16	<0.1	0.3	0.1	67	0.23	0.035
25500 88500	Soil	0.9	16.9	10.4	52	<0.1	15.6	8.5	248	2.62	6.0	0.5	2.8	3.2	18	<0.1	0.2	0.1	60	0.23	0.043
25500 88550	Soil	1.0	17.6	7.6	58	<0.1	13.2	10.0	327	2.82	4.9	0.3	16.1	2.1	15	<0.1	0.3	<0.1	62	0.29	0.062
25500 88600	Soil	1.5	19.9	14.3	56	0.1	23.9	8.8	297	2.57	6.4	0.7	2.1	3.2	22	<0.1	0.3	0.1	62	0.29	0.044
25500 88650	Soil	0.9	16.9	9.6	63	<0.1	16.8	8.9	296	2.81	5.5	0.4	1.6	2.4	12	<0.1	0.3	0.1	65	0.26	0.072
25500 88700	Soil	1.1	33.5	13.7	92	0.1	21.7	12.6	505	3.31	5.1	0.8	9.5	2.7	20	0.2	0.3	0.1	84	0.36	0.069
25500 88750	Soil	1.0	18.3	12.1	67	<0.1	18.8	10.4	376	2.81	8.9	0.6	2.5	3.7	19	<0.1	0.3	0.1	61	0.28	0.048



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26000 89500	Soil	13	36	0.51	297	0.062	1	1.99	0.012	0.09	0.1	0.03	3.1	0.1	<0.05	7	<0.5	0.2
26000 89600	Soil	19	45	0.56	222	0.085	2	2.35	0.013	0.05	0.2	0.05	5.5	0.1	<0.05	6	<0.5	<0.2
26000 89650	Soil	16	32	0.48	174	0.065	1	1.99	0.010	0.05	0.2	0.03	3.4	0.1	<0.05	6	<0.5	<0.2
26000 89750	Soil	22	37	0.51	186	0.077	<1	2.37	0.011	0.08	0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
26000 89800	Soil	18	35	0.37	253	0.065	<1	1.86	0.010	0.05	0.2	0.05	4.7	0.1	<0.05	6	0.5	<0.2
26000 89850	Soil	20	36	0.53	701	0.059	3	1.73	0.011	0.06	0.1	0.04	5.2	<0.1	<0.05	5	<0.5	0.4
26000 89900	Soil	18	32	0.47	359	0.065	1	1.67	0.010	0.06	0.1	0.02	3.7	<0.1	<0.05	6	<0.5	0.5
26000 89950	Soil	12	43	0.53	198	0.090	2	2.08	0.009	0.10	0.1	0.01	3.7	0.1	<0.05	8	<0.5	0.2
24600 87300	Soil	13	21	0.74	263	0.104	2	1.36	0.021	0.25	0.2	0.02	3.9	0.2	<0.05	5	0.6	<0.2
25500 87750	Soil	13	16	0.95	225	0.154	1	1.86	0.015	0.57	<0.1	0.01	3.2	0.3	<0.05	6	0.5	0.3
25500 87800	Soil	7	23	0.90	244	0.146	1	1.94	0.012	0.60	0.1	<0.01	2.8	0.3	<0.05	6	0.6	<0.2
25500 87850	Soil	7	29	0.64	291	0.126	3	1.93	0.015	0.31	0.2	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
25500 87900	Soil	12	53	0.93	281	0.118	2	2.01	0.020	0.20	<0.1	0.01	6.8	0.1	<0.05	7	<0.5	<0.2
25500 87950	Soil	9	39	0.61	216	0.113	1	1.96	0.014	0.10	0.1	0.01	3.7	<0.1	<0.05	5	0.6	<0.2
25500 88000	Soil	15	43	0.82	304	0.172	1	2.27	0.014	0.34	0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
25500 88050	Soil	9	38	0.52	395	0.079	2	2.02	0.011	0.09	<0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
25500 88100	Soil	19	28	0.50	347	0.044	1	1.63	0.008	0.15	0.2	0.01	2.6	0.1	<0.05	7	<0.5	<0.2
25500 88150	Soil	7	29	0.69	192	0.143	<1	2.05	0.010	0.28	0.1	<0.01	2.7	0.1	<0.05	7	<0.5	<0.2
25500 88200	Soil	4	8	0.83	122	0.152	<1	2.04	0.008	0.45	0.1	<0.01	1.7	0.3	<0.05	7	<0.5	<0.2
25500 88250	Soil	13	33	0.78	187	0.091	1	2.06	0.012	0.09	0.1	0.02	6.0	<0.1	<0.05	8	0.5	<0.2
25500 88300	Soil	14	33	0.70	563	0.051	1	1.70	0.014	0.08	0.1	0.02	8.2	<0.1	<0.05	5	0.6	<0.2
25500 88350	Soil	12	37	0.64	221	0.031	<1	2.34	0.008	0.11	<0.1	0.02	3.8	<0.1	<0.05	7	<0.5	<0.2
25500 88400	Soil	10	30	0.80	226	0.119	1	2.07	0.013	0.22	0.1	0.03	3.9	0.1	<0.05	7	<0.5	<0.2
25500 88450	Soil	9	28	0.78	166	0.136	1	1.98	0.012	0.09	0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
25500 88500	Soil	9	28	0.58	194	0.109	1	1.67	0.012	0.09	0.2	0.02	3.2	<0.1	<0.05	5	0.5	<0.2
25500 88550	Soil	7	21	0.68	188	0.130	<1	1.55	0.017	0.18	<0.1	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
25500 88600	Soil	11	41	0.59	238	0.098	2	1.71	0.017	0.06	0.1	0.03	4.2	<0.1	<0.05	7	<0.5	<0.2
25500 88650	Soil	8	27	0.71	126	0.113	1	1.63	0.015	0.09	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
25500 88700	Soil	12	36	0.97	263	0.167	<1	2.07	0.019	0.15	0.1	0.03	4.7	0.1	<0.05	7	<0.5	<0.2
25500 88750	Soil	12	33	0.68	236	0.123	1	1.62	0.014	0.09	0.2	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
25500 88800	Soil	0.6	34.7	7.0	73	<0.1	22.5	13.1	476	3.15	3.2	0.4	2.3	2.1	18	0.2	0.2	<0.1	73	0.52
25500 88850	Soil	0.9	19.5	8.6	78	0.1	20.4	9.3	409	2.67	4.3	0.7	10.1	3.3	21	0.2	0.3	0.1	55	0.36
25500 88900	Soil	1.1	20.3	9.3	96	<0.1	14.1	10.2	560	3.36	4.4	0.6	3.4	3.0	17	0.2	0.2	0.1	61	0.34
25500 88950	Soil	1.2	29.8	7.7	102	0.1	18.7	8.7	512	3.17	2.9	1.0	5.6	2.5	21	0.1	0.2	0.1	53	0.42
25500 89050	Soil	3.3	41.5	22.7	113	0.2	5.6	5.4	730	2.90	1.3	1.7	16.3	12.9	18	0.5	0.2	1.4	17	0.38
25500 89100	Soil	4.1	71.4	20.5	111	<0.1	11.1	5.5	374	2.73	2.9	1.2	10.1	9.0	35	0.3	0.4	0.4	26	0.23
25500 89150	Soil	4.7	62.5	19.0	95	0.2	19.1	6.5	397	2.79	5.5	1.3	75.2	6.9	27	0.2	0.4	0.4	46	0.32
25500 89200	Soil	3.3	56.4	18.6	71	0.1	20.3	8.9	348	2.68	7.1	0.8	47.3	6.4	19	0.2	0.5	0.4	41	0.14
25500 89250	Soil	8.4	90.1	24.9	114	0.3	18.2	7.0	478	3.03	8.3	0.9	78.8	5.2	24	0.5	0.8	0.6	44	0.22
25500 89300	Soil	2.1	42.5	17.2	57	<0.1	26.5	8.5	310	2.90	9.4	0.6	34.4	4.5	20	<0.1	0.6	0.3	56	0.26
25500 89350	Soil	3.4	47.1	17.7	57	0.3	15.6	6.7	535	2.43	5.3	0.6	17.5	4.1	21	0.2	0.5	1.0	47	0.23
25500 89400	Soil	3.3	81.0	21.7	62	0.3	19.8	7.5	408	2.71	5.7	1.1	31.1	5.8	23	0.1	0.6	0.6	46	0.27
25500 89450	Soil	2.3	71.2	16.0	58	0.2	16.1	7.3	387	2.53	5.4	0.8	24.3	5.5	20	0.1	0.5	0.6	44	0.25
25500 89500	Soil	2.1	90.8	20.8	76	0.5	22.4	8.5	313	3.36	7.8	0.7	22.5	5.7	19	0.1	0.7	0.4	57	0.19
25500 89550	Soil	3.3	106.5	31.1	122	0.2	15.3	7.8	594	3.94	6.1	0.8	41.8	4.8	15	0.4	0.9	0.8	49	0.09
25500 89600	Soil	3.9	234.8	46.0	154	0.6	11.1	12.6	705	5.59	4.1	0.9	1570	5.9	28	0.4	0.5	1.2	59	0.13
25500 89650	Soil	2.5	24.7	18.3	64	0.2	17.2	6.4	312	3.18	8.9	0.4	4.3	2.7	13	0.3	0.4	0.4	74	0.13
25500 89700	Soil	4.7	46.8	16.9	100	0.1	6.8	3.4	205	2.18	2.2	0.5	17.9	0.7	11	0.2	0.2	0.4	36	0.04
25500 89800	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25500 89850	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25500 89900	Soil	2.9	78.0	37.0	114	<0.1	68.9	13.3	405	3.82	3.4	2.4	16.9	15.2	104	0.2	0.4	0.3	52	0.64
25600 87800	Soil	1.8	25.7	13.9	93	<0.1	25.5	10.4	327	3.17	13.6	1.2	2.4	3.7	26	<0.1	0.3	0.1	58	0.38
25600 87850	Soil	6.5	40.3	9.8	42	0.1	12.7	5.6	140	4.06	12.4	1.5	2.3	5.9	120	<0.1	0.2	<0.1	43	0.15
25600 87900	Soil	0.9	40.7	8.2	74	<0.1	22.9	15.6	682	3.89	4.9	0.3	4.8	2.1	26	<0.1	0.4	<0.1	82	0.72
25600 87950	Soil	1.9	18.0	10.2	89	<0.1	7.5	6.8	356	3.65	2.6	1.0	10.7	6.8	9	<0.1	0.4	<0.1	24	0.14
25600 88000	Soil	1.2	16.2	12.6	80	<0.1	18.4	11.1	508	3.30	7.6	0.7	2.1	3.8	19	<0.1	0.5	0.1	60	0.21
25600 88050	Soil	0.7	23.6	6.7	73	<0.1	9.7	6.9	329	3.32	3.7	1.0	40.3	8.4	14	<0.1	0.3	<0.1	39	0.18
25600 88100	Soil	1.0	15.0	10.1	69	<0.1	16.3	6.6	359	3.12	6.2	0.6	0.9	6.3	14	<0.1	0.3	0.1	46	0.16
25600 88150	Soil	0.8	7.3	7.0	66	<0.1	10.5	12.0	767	4.27	3.2	0.4	1.0	2.2	14	<0.1	0.2	<0.1	86	0.38
25600 88200	Soil	0.9	29.2	13.3	96	<0.1	9.4	17.6	1049	4.78	2.3	0.6	2.2	3.3	14	<0.1	0.4	<0.1	156	0.30



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25500 88800	Soil	9	41	1.06	282	0.113	<1	1.84	0.018	0.22	<0.1	0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
25500 88850	Soil	13	33	0.75	243	0.100	<1	1.62	0.013	0.15	0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
25500 88900	Soil	11	25	0.82	310	0.110	<1	1.72	0.011	0.35	0.1	0.01	6.2	0.1	<0.05	7	<0.5	<0.2
25500 88950	Soil	17	31	0.87	466	0.096	<1	1.68	0.013	0.27	0.1	0.01	6.9	0.1	<0.05	7	<0.5	<0.2
25500 89050	Soil	40	7	0.31	303	0.008	<1	1.27	0.006	0.33	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	0.2
25500 89100	Soil	20	16	0.27	334	0.050	1	1.43	0.008	0.38	0.1	<0.01	2.8	0.2	<0.05	5	<0.5	<0.2
25500 89150	Soil	23	30	0.39	457	0.061	<1	1.51	0.015	0.14	0.1	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
25500 89200	Soil	16	30	0.36	255	0.047	<1	1.60	0.011	0.11	<0.1	0.02	3.1	0.1	<0.05	4	<0.5	<0.2
25500 89250	Soil	18	28	0.33	418	0.038	1	1.67	0.009	0.13	0.1	0.02	3.5	0.1	<0.05	5	<0.5	0.2
25500 89300	Soil	11	39	0.44	358	0.063	2	1.87	0.012	0.08	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
25500 89350	Soil	18	23	0.27	398	0.040	<1	1.19	0.008	0.14	0.1	0.01	2.6	0.1	<0.05	5	<0.5	<0.2
25500 89400	Soil	21	28	0.37	493	0.049	<1	1.44	0.015	0.10	0.1	0.02	3.9	<0.1	<0.05	4	<0.5	0.6
25500 89450	Soil	19	26	0.37	469	0.050	<1	1.31	0.010	0.10	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	0.2
25500 89500	Soil	14	33	0.44	434	0.049	<1	2.25	0.008	0.11	0.2	0.02	3.9	0.2	<0.05	6	<0.5	0.2
25500 89550	Soil	13	26	0.37	276	0.046	<1	2.03	0.008	0.28	0.1	0.02	3.5	0.2	<0.05	5	<0.5	<0.2
25500 89600	Soil	14	17	0.64	435	0.051	<1	2.98	0.007	0.39	0.2	0.04	4.4	0.4	<0.05	7	<0.5	1.6
25500 89650	Soil	9	30	0.44	189	0.088	<1	1.70	0.011	0.12	0.2	0.02	2.9	0.1	<0.05	7	<0.5	<0.2
25500 89700	Soil	13	12	0.14	215	0.031	<1	1.05	0.007	0.25	<0.1	<0.01	1.3	0.2	<0.05	6	<0.5	<0.2
25500 89800	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25500 89850	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25500 89900	Soil	66	89	0.64	680	0.044	<1	1.79	0.013	0.10	0.1	0.03	7.3	0.1	<0.05	5	<0.5	<0.2
25600 87800	Soil	12	29	0.92	269	0.107	<1	1.83	0.009	0.44	0.1	<0.01	3.2	0.2	<0.05	5	<0.5	<0.2
25600 87850	Soil	25	17	0.30	239	0.055	<1	1.36	0.060	0.29	<0.1	<0.01	2.2	0.2	0.33	4	<0.5	0.2
25600 87900	Soil	9	34	1.43	300	0.128	<1	2.13	0.015	0.40	<0.1	0.02	5.0	0.2	<0.05	6	<0.5	<0.2
25600 87950	Soil	14	10	0.54	181	0.071	<1	1.51	0.012	0.44	<0.1	<0.01	3.6	0.2	<0.05	6	<0.5	<0.2
25600 88000	Soil	13	29	0.69	396	0.091	<1	1.72	0.009	0.41	0.1	0.01	3.5	0.1	<0.05	5	<0.5	<0.2
25600 88050	Soil	24	14	0.77	234	0.076	<1	1.65	0.010	0.24	<0.1	0.02	4.7	0.2	<0.05	7	<0.5	<0.2
25600 88100	Soil	9	22	0.77	138	0.102	<1	1.94	0.009	0.31	0.1	<0.01	3.7	0.2	<0.05	8	<0.5	<0.2
25600 88150	Soil	4	14	1.00	215	0.206	<1	1.96	0.017	0.69	<0.1	<0.01	5.7	0.1	<0.05	7	<0.5	<0.2
25600 88200	Soil	13	18	1.81	196	0.097	<1	2.78	0.016	0.37	<0.1	0.01	15.0	0.1	<0.05	10	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25600 88250	Soil	1.7	20.5	13.7	88	<0.1	22.8	17.4	1206	5.69	5.2	0.8	15.1	3.3	14	<0.1	0.4	<0.1	105	0.20	0.047
25600 88300	Soil	0.2	5.1	4.0	120	<0.1	5.5	22.4	385	3.81	4.2	0.3	0.9	1.9	10	<0.1	<0.1	<0.1	96	0.34	0.122
25600 88350	Soil	1.3	22.1	5.8	88	<0.1	10.5	15.5	376	3.77	2.0	0.4	1.7	2.2	22	<0.1	<0.1	<0.1	75	0.46	0.117
25600 88400	Soil	0.4	33.1	3.6	95	<0.1	4.1	17.5	375	3.62	2.0	0.5	0.8	2.3	15	<0.1	<0.1	<0.1	80	0.68	0.268
25600 88450	Soil	1.4	24.1	7.9	93	<0.1	12.0	12.7	577	3.83	4.9	0.4	2.6	1.9	21	<0.1	0.2	<0.1	69	0.29	0.045
25600 88500	Soil	0.8	29.6	4.7	79	<0.1	9.1	15.1	434	3.75	1.9	0.2	1.7	1.2	18	<0.1	0.1	<0.1	96	0.43	0.102
25600 88550	Soil	0.8	22.1	6.9	72	<0.1	13.1	11.5	393	3.38	4.0	0.4	3.0	2.9	17	<0.1	0.3	<0.1	77	0.33	0.078
25600 88600	Soil	0.5	20.4	9.0	52	<0.1	25.0	8.6	314	2.44	4.7	0.6	1.8	3.5	25	0.1	0.3	<0.1	56	0.46	0.105
25600 88650	Soil	0.7	24.7	8.7	75	<0.1	21.1	11.9	365	3.04	4.7	0.4	<0.5	2.4	19	0.1	0.2	<0.1	69	0.42	0.096
25600 88700	Soil	0.7	29.7	12.1	99	<0.1	21.3	12.3	462	3.09	4.4	0.5	2.9	2.4	19	<0.1	0.2	<0.1	82	0.35	0.064
25600 88750	Soil	0.8	21.5	9.9	66	<0.1	17.8	9.0	388	2.75	5.5	0.7	4.3	3.1	19	0.1	0.3	0.1	60	0.30	0.056
25600 88800	Soil	0.7	13.2	7.9	74	<0.1	14.5	9.9	313	2.91	4.1	0.4	1.5	2.4	16	<0.1	0.2	<0.1	67	0.35	0.093
25600 88850	Soil	1.0	29.9	10.0	143	<0.1	16.0	13.9	868	4.36	2.8	0.4	1.3	2.4	17	0.2	0.2	<0.1	118	0.42	0.108
25600 89100	Soil	2.7	68.9	10.6	82	<0.1	18.3	7.2	332	3.14	8.9	1.1	1.9	5.9	19	0.2	0.5	0.3	49	0.20	0.021
25600 89150	Soil	3.2	107.0	17.1	96	0.1	12.9	9.4	1278	3.11	5.3	1.2	2.6	7.9	37	0.3	0.5	0.6	35	0.51	0.047
25600 89200	Soil	1.4	108.3	9.2	74	<0.1	13.6	7.6	416	3.14	8.1	1.0	1.8	7.7	19	0.2	0.4	0.6	43	0.21	0.022
25600 89250	Soil	1.7	208.1	17.0	198	0.2	6.6	7.2	475	4.95	2.1	1.1	2.2	8.0	23	0.2	0.2	0.5	47	0.17	0.033
25600 89300	Soil	1.1	210.7	6.2	127	<0.1	5.0	6.2	379	2.98	2.5	0.7	1.3	9.5	29	<0.1	0.2	0.2	28	0.23	0.050
25600 89350	Soil	1.4	142.9	9.1	115	<0.1	6.1	5.8	375	3.33	2.1	1.2	1.2	10.1	13	<0.1	0.2	<0.1	40	0.17	0.020
25600 89400	Soil	1.2	76.9	9.6	65	0.3	13.1	8.8	623	3.10	5.5	0.6	<0.5	6.3	23	0.2	0.3	0.2	45	0.27	0.047
25600 89450	Soil	0.9	90.6	14.0	197	<0.1	15.0	10.0	452	4.99	3.6	0.9	0.8	6.2	20	0.2	0.2	0.1	68	0.32	0.061
25600 89500	Soil	4.0	93.2	13.9	84	0.2	18.4	6.5	484	2.74	6.0	0.7	46.2	4.8	29	0.2	0.7	0.4	47	0.47	0.032
25600 89550	Soil	3.0	58.9	12.2	61	0.9	25.3	9.6	369	3.05	8.6	0.7	71.2	4.5	20	0.3	0.6	0.3	68	0.25	0.030
25600 89700	Soil	2.6	45.3	12.1	73	0.5	20.7	11.6	396	3.05	8.9	1.2	56.3	5.2	18	0.2	0.6	0.2	64	0.17	0.025
25600 89900	Soil	2.1	72.1	50.9	279	0.1	13.1	12.5	499	4.14	4.2	0.6	9.0	3.9	19	0.3	0.3	1.3	77	0.22	0.044



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

WHI10000077.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25600 88250	Soil	12	35	1.09	410	0.089	2	2.32	0.009	0.48	0.1	0.02	17.2	0.2	<0.05	7	<0.5	<0.2
25600 88300	Soil	8	10	2.23	279	0.157	<1	2.51	0.011	0.58	<0.1	<0.01	11.6	0.3	<0.05	11	<0.5	<0.2
25600 88350	Soil	10	18	1.32	329	0.109	<1	2.31	0.009	0.48	<0.1	<0.01	6.8	0.3	<0.05	8	<0.5	<0.2
25600 88400	Soil	12	6	1.71	276	0.121	<1	2.03	0.013	0.49	<0.1	<0.01	10.2	0.2	<0.05	10	<0.5	<0.2
25600 88450	Soil	12	23	1.20	271	0.257	<1	2.56	0.009	0.64	<0.1	0.01	2.5	0.3	<0.05	5	<0.5	<0.2
25600 88500	Soil	5	16	1.26	313	0.198	<1	2.31	0.017	0.80	<0.1	<0.01	3.0	0.3	<0.05	6	<0.5	<0.2
25600 88550	Soil	10	25	0.98	210	0.127	<1	1.96	0.020	0.29	0.1	<0.01	6.0	0.1	<0.05	6	<0.5	<0.2
25600 88600	Soil	12	34	0.72	203	0.079	<1	1.23	0.021	0.10	0.1	0.01	4.7	<0.1	<0.05	4	<0.5	<0.2
25600 88650	Soil	10	32	0.94	180	0.122	1	1.86	0.019	0.14	0.1	<0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
25600 88700	Soil	10	34	1.00	229	0.169	<1	1.91	0.022	0.17	0.1	0.02	4.4	0.2	<0.05	7	<0.5	<0.2
25600 88750	Soil	14	31	0.71	264	0.116	1	1.67	0.015	0.11	0.2	0.02	4.7	0.1	<0.05	6	<0.5	<0.2
25600 88800	Soil	10	25	0.87	176	0.125	<1	1.62	0.018	0.13	0.1	0.01	3.9	<0.1	<0.05	7	<0.5	<0.2
25600 88850	Soil	10	32	1.32	324	0.142	<1	2.11	0.016	0.46	<0.1	0.02	8.0	0.1	<0.05	8	<0.5	<0.2
25600 89100	Soil	17	29	0.50	243	0.069	2	1.85	0.011	0.22	0.1	0.02	3.2	0.1	0.06	6	<0.5	<0.2
25600 89150	Soil	23	19	0.38	459	0.056	2	1.60	0.019	0.30	0.2	0.02	3.4	0.2	<0.05	6	<0.5	0.2
25600 89200	Soil	19	22	0.59	246	0.094	<1	1.91	0.012	0.30	0.3	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
25600 89250	Soil	18	11	0.77	331	0.243	<1	2.92	0.013	0.96	0.3	<0.01	5.0	0.7	<0.05	10	<0.5	0.3
25600 89300	Soil	23	9	0.55	349	0.173	<1	2.07	0.009	0.62	<0.1	<0.01	2.8	0.4	<0.05	7	<0.5	0.4
25600 89350	Soil	14	10	0.63	238	0.173	<1	2.57	0.010	0.55	<0.1	<0.01	3.4	0.4	<0.05	8	<0.5	<0.2
25600 89400	Soil	13	19	0.49	372	0.089	1	2.11	0.021	0.37	0.1	<0.01	2.9	0.2	<0.05	7	<0.5	<0.2
25600 89450	Soil	14	35	1.00	342	0.236	<1	3.12	0.013	0.51	<0.1	0.01	3.9	0.3	<0.05	11	<0.5	0.2
25600 89500	Soil	14	26	0.42	422	0.044	2	1.93	0.015	0.08	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
25600 89550	Soil	13	35	0.51	465	0.069	1	2.35	0.014	0.09	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
25600 89700	Soil	14	35	0.48	309	0.072	2	2.34	0.013	0.07	0.1	0.06	5.1	0.1	<0.05	6	<0.5	<0.2
25600 89900	Soil	9	19	0.79	294	0.121	<1	2.58	0.008	0.36	0.2	0.02	4.1	0.3	<0.05	7	<0.5	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
25200 88050	Soil	1.9	17.3	7.6	78	<0.1	11.6	10.7	498	3.02	7.3	0.5	2.3	2.0	30	<0.1	0.3	0.1	55	0.61	0.082
REP 25200 88050	QC	2.1	17.5	7.9	80	<0.1	13.7	11.3	549	3.14	7.6	0.5	3.9	2.1	30	<0.1	0.3	<0.1	55	0.65	0.083
25200 89600	Soil	3.0	38.2	16.0	92	0.2	14.1	6.5	338	2.71	5.3	0.8	63.5	5.3	26	0.2	0.4	0.3	49	0.24	0.028
REP 25200 89600	QC	2.9	37.7	15.9	88	0.1	13.3	6.7	336	2.70	5.4	0.9	28.2	5.5	27	0.3	0.4	0.3	51	0.25	0.025
25900 88450	Soil	0.7	15.2	6.1	103	0.1	12.5	13.0	527	3.94	4.2	0.3	<0.5	2.3	21	0.1	0.3	0.1	66	0.40	0.115
REP 25900 88450	QC	0.7	14.6	5.9	101	0.1	13.3	12.5	529	3.86	4.3	0.3	0.7	2.3	22	0.1	0.3	0.1	65	0.39	0.113
25900 89400	Soil	1.0	19.8	7.9	55	<0.1	18.1	8.3	285	3.09	5.1	0.6	1.3	9.9	25	<0.1	0.3	<0.1	42	0.21	0.036
REP 25900 89400	QC	0.9	18.3	7.6	53	<0.1	17.0	7.8	267	2.96	4.6	0.6	2.6	9.9	25	<0.1	0.3	<0.1	43	0.21	0.034
25100 88250	Soil	0.9	25.6	5.2	91	<0.1	10.3	13.9	659	3.54	2.4	0.3	<0.5	1.2	47	0.1	0.2	<0.1	77	0.69	0.130
REP 25100 88250	QC	0.9	27.4	5.2	103	<0.1	11.6	14.7	712	3.91	2.5	0.3	1.8	1.2	45	0.1	0.2	<0.1	86	0.69	0.129
25100 88750	Soil	2.4	39.5	15.5	108	0.1	44.9	16.6	688	5.64	4.3	1.4	1.8	6.7	38	0.4	0.3	0.2	71	0.91	0.145
REP 25100 88750	QC	2.1	37.5	14.2	108	0.1	42.0	15.1	628	5.19	3.8	1.4	0.7	6.3	36	0.4	0.3	0.2	67	0.85	0.143
25100 89550	Soil	2.6	25.3	14.0	58	0.1	20.0	8.0	201	2.88	7.3	0.6	4.7	2.3	34	0.1	0.3	0.3	61	0.44	0.046
REP 25100 89550	QC	2.8	26.1	14.6	59	0.1	21.3	8.1	205	2.90	7.3	0.7	3.3	2.5	35	0.1	0.3	0.3	63	0.47	0.044
26000 89000	Soil	1.4	33.6	8.5	55	<0.1	31.7	14.1	232	3.03	6.5	0.6	4.6	2.4	18	<0.1	0.3	0.1	69	0.22	0.034
REP 26000 89000	QC	1.4	35.1	8.7	56	0.1	32.8	14.4	235	3.10	6.9	0.5	2.2	2.4	20	0.1	0.3	0.1	71	0.22	0.034
26000 89400	Soil	0.9	17.4	10.8	46	<0.1	15.0	7.5	320	2.93	5.0	0.5	1.4	5.9	39	0.1	0.3	<0.1	50	0.19	0.035
REP 26000 89400	QC	0.9	18.2	10.3	45	<0.1	14.7	7.7	316	2.89	5.0	0.5	0.8	5.4	39	0.1	0.3	<0.1	49	0.18	0.033
25500 88200	Soil	0.7	12.3	9.7	76	<0.1	6.7	4.1	387	2.53	4.3	0.4	<0.5	3.8	14	<0.1	0.1	<0.1	23	0.19	0.023
REP 25500 88200	QC	0.8	12.2	8.4	87	<0.1	6.5	4.1	417	2.64	4.4	0.5	1.8	3.8	15	<0.1	0.2	<0.1	23	0.20	0.023
25500 88950	Soil	1.2	29.8	7.7	102	0.1	18.7	8.7	512	3.17	2.9	1.0	5.6	2.5	21	0.1	0.2	0.1	53	0.42	0.083
REP 25500 88950	QC	1.3	30.1	7.5	102	<0.1	18.9	9.1	516	3.24	3.1	1.0	5.6	2.6	22	0.2	0.2	0.1	55	0.43	0.084
25600 88350	Soil	1.3	22.1	5.8	88	<0.1	10.5	15.5	376	3.77	2.0	0.4	1.7	2.2	22	<0.1	<0.1	<0.1	75	0.46	0.117
REP 25600 88350	QC	1.4	23.0	6.1	91	<0.1	10.6	16.2	400	4.00	2.1	0.4	1.1	2.3	24	<0.1	<0.1	<0.1	80	0.48	0.126
25600 88750	Soil	0.8	21.5	9.9	66	<0.1	17.8	9.0	388	2.75	5.5	0.7	4.3	3.1	19	0.1	0.3	0.1	60	0.30	0.056
REP 25600 88750	QC	0.9	21.6	9.7	67	<0.1	18.7	9.3	386	2.82	5.7	0.7	2.4	3.2	20	0.1	0.3	0.1	62	0.32	0.058
Reference Materials																					
STD DS7	Standard	21.1	106.5	64.5	389	1.0	56.9	10.2	656	2.47	50.8	4.7	76.6	4.4	69	6.3	6.0	4.6	88	0.93	0.081



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Project: Mariposa
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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
25200 88050	Soil	8	17	0.73	293	0.104	<1	1.78	0.012	0.26	0.1	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
REP 25200 88050	QC	8	17	0.74	311	0.106	2	1.81	0.013	0.25	0.1	0.02	2.5	0.2	<0.05	6	0.5	<0.2
25200 89600	Soil	20	21	0.44	281	0.061	<1	1.70	0.010	0.10	<0.1	0.01	3.3	0.1	<0.05	6	<0.5	<0.2
REP 25200 89600	QC	21	23	0.45	293	0.062	<1	1.72	0.010	0.10	<0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
25900 88450	Soil	8	21	1.18	258	0.115	<1	2.35	0.011	0.28	<0.1	0.01	7.7	0.1	<0.05	10	<0.5	<0.2
REP 25900 88450	QC	8	22	1.18	255	0.117	<1	2.36	0.009	0.28	<0.1	0.01	7.4	<0.1	<0.05	10	<0.5	<0.2
25900 89400	Soil	19	27	0.55	266	0.055	<1	2.32	0.008	0.16	<0.1	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
REP 25900 89400	QC	19	26	0.56	267	0.051	<1	2.30	0.008	0.17	<0.1	0.01	3.5	0.1	<0.05	7	<0.5	<0.2
25100 88250	Soil	9	22	1.38	479	0.231	1	2.16	0.015	0.62	<0.1	<0.01	1.9	0.2	<0.05	7	<0.5	<0.2
REP 25100 88250	QC	10	23	1.59	507	0.256	1	2.39	0.015	0.73	0.1	<0.01	1.9	0.2	<0.05	7	<0.5	<0.2
25100 88750	Soil	27	58	1.68	708	0.026	1	2.91	0.011	0.22	<0.1	0.01	9.2	<0.1	<0.05	8	<0.5	0.3
REP 25100 88750	QC	27	53	1.58	669	0.023	2	2.82	0.011	0.21	<0.1	0.02	8.2	<0.1	<0.05	7	<0.5	<0.2
25100 89550	Soil	14	37	0.57	309	0.053	<1	1.75	0.011	0.07	0.2	0.02	3.0	0.1	<0.05	7	<0.5	<0.2
REP 25100 89550	QC	14	38	0.56	309	0.053	1	1.72	0.010	0.08	0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
26000 89000	Soil	9	50	0.78	246	0.090	<1	2.51	0.011	0.08	<0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
REP 26000 89000	QC	9	51	0.82	259	0.092	<1	2.65	0.013	0.07	0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
26000 89400	Soil	9	31	0.67	298	0.077	<1	2.12	0.009	0.19	<0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
REP 26000 89400	QC	9	31	0.65	300	0.072	<1	2.11	0.009	0.18	<0.1	0.03	3.3	0.1	<0.05	7	<0.5	<0.2
25500 88200	Soil	4	8	0.83	122	0.152	<1	2.04	0.008	0.45	0.1	<0.01	1.7	0.3	<0.05	7	<0.5	<0.2
REP 25500 88200	QC	5	9	0.88	126	0.172	2	2.19	0.008	0.48	0.2	0.01	1.8	0.3	<0.05	8	0.6	<0.2
25500 88950	Soil	17	31	0.87	466	0.096	<1	1.68	0.013	0.27	0.1	0.01	6.9	0.1	<0.05	7	<0.5	<0.2
REP 25500 88950	QC	16	32	0.90	470	0.095	<1	1.71	0.013	0.27	0.1	0.02	7.0	0.1	<0.05	8	<0.5	<0.2
25600 88350	Soil	10	18	1.32	329	0.109	<1	2.31	0.009	0.48	<0.1	<0.01	6.8	0.3	<0.05	8	<0.5	<0.2
REP 25600 88350	QC	11	19	1.36	345	0.125	<1	2.37	0.010	0.50	<0.1	<0.01	7.0	0.3	<0.05	9	<0.5	<0.2
25600 88750	Soil	14	31	0.71	264	0.116	1	1.67	0.015	0.11	0.2	0.02	4.7	0.1	<0.05	6	<0.5	<0.2
REP 25600 88750	QC	15	32	0.74	271	0.128	1	1.74	0.017	0.12	0.2	0.03	5.0	0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	13	204	1.08	402	0.117	40	1.08	0.092	0.48	3.7	0.22	2.3	4.1	0.18	5	3.6	1.3



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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS7	Standard	20.0	102.1	64.9	396	1.0	53.3	9.6	619	2.36	52.5	4.4	78.5	4.0	71	6.0	5.9	4.6	82	0.85	0.076
STD DS7	Standard	20.2	118.5	77.7	431	1.0	57.1	9.8	664	2.56	54.7	4.9	72.6	5.0	80	6.6	6.5	5.2	90	0.96	0.084
STD DS7	Standard	20.4	113.8	69.2	406	0.9	57.7	9.5	643	2.45	53.5	4.8	73.9	4.6	71	6.3	5.9	4.8	84	0.94	0.079
STD DS7	Standard	20.0	101.5	67.4	384	1.0	51.6	8.8	596	2.29	50.8	4.7	65.7	4.6	68	5.8	5.5	4.5	81	0.88	0.077
STD DS7	Standard	20.6	108.4	68.0	399	1.1	54.6	9.4	636	2.38	52.7	4.8	65.7	4.5	69	6.4	5.9	4.3	86	0.93	0.076
STD DS7	Standard	21.1	103.0	67.2	403	1.0	55.8	9.4	646	2.42	52.7	4.6	79.4	4.9	78	6.4	5.9	4.5	86	0.96	0.079
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa

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QUALITY CONTROL REPORT

WHI10000077.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS7	Standard	12	184	1.04	414	0.118	42	1.00	0.100	0.44	3.7	0.20	2.2	4.4	0.17	5	3.9	1.8
STD DS7	Standard	14	197	1.12	409	0.131	39	1.11	0.099	0.50	3.7	0.23	2.4	4.2	0.20	5	3.2	2.2
STD DS7	Standard	13	197	1.04	409	0.111	39	1.02	0.101	0.47	3.8	0.23	2.6	4.1	0.19	5	2.7	0.4
STD DS7	Standard	12	183	1.03	392	0.107	36	0.99	0.097	0.44	3.6	0.22	2.5	3.9	0.17	5	3.2	1.1
STD DS7	Standard	12	192	1.06	395	0.124	39	0.99	0.093	0.48	3.8	0.24	2.5	4.0	0.20	5	3.4	1.0
STD DS7	Standard	14	200	1.08	424	0.121	42	1.07	0.100	0.50	3.9	0.22	2.8	4.1	0.19	5	3.4	1.0
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: July 05, 2010

Report Date: July 23, 2010

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CERTIFICATE OF ANALYSIS

WHI10000077.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-2
P.O. Number
Number of Samples: 235

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
TRTN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
Michael Renning
John Brock

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	235	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	235	Dry at 60C			WHI
RJSV	235	Saving all or part of Soil Reject			WHI
1DX2	231	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
Report Date: July 23, 2010

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CERTIFICATE OF ANALYSIS

WHI10000077.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25200 87700	Soil	1.0	16.2	5.6	67	<0.1	11.3	8.4	241	2.29	2.1	1.0	6.9	2.8	37	0.1	0.2	<0.1	42	0.55	0.107
25200 87850	Soil	3.1	18.3	13.3	44	<0.1	15.5	8.0	285	2.70	16.2	0.8	22.7	5.2	25	<0.1	0.8	0.2	49	0.38	0.032
25200 87900	Soil	1.5	19.8	8.3	65	<0.1	20.5	10.5	318	2.87	10.5	0.8	2.2	5.3	27	<0.1	0.4	0.1	59	0.33	0.037
25200 87950	Soil	1.1	31.2	7.1	49	<0.1	21.3	8.7	341	2.62	11.8	0.8	33.3	4.2	28	<0.1	0.6	0.2	54	0.35	0.040
25200 88000	Soil	1.8	14.2	6.0	42	<0.1	9.7	7.2	256	2.43	7.2	0.4	<0.5	1.9	24	<0.1	0.1	<0.1	41	0.29	0.062
25200 88050	Soil	1.9	17.3	7.6	78	<0.1	11.6	10.7	498	3.02	7.3	0.5	2.3	2.0	30	<0.1	0.3	0.1	55	0.61	0.082
25200 88100	Soil	0.7	22.2	6.8	62	0.1	18.1	11.0	455	2.93	5.1	1.1	9.4	3.7	46	0.2	0.2	<0.1	53	0.95	0.089
25200 88150	Soil	2.2	23.2	6.9	99	<0.1	11.6	11.2	656	4.08	2.8	0.6	14.4	4.4	21	0.1	0.2	0.2	59	0.51	0.063
25200 88200	Soil	1.0	16.2	7.4	65	<0.1	11.5	7.8	395	3.39	5.7	0.8	6.3	5.1	22	<0.1	0.3	<0.1	56	0.31	0.040
25200 88250	Soil	0.8	19.8	5.6	67	0.1	14.2	11.4	451	3.27	6.9	0.8	3.2	4.8	22	<0.1	0.3	<0.1	68	0.31	0.047
25200 88300	Soil	0.8	20.1	6.8	60	<0.1	14.5	10.2	312	2.96	6.8	0.9	4.5	3.5	20	<0.1	0.3	<0.1	71	0.25	0.033
25200 88350	Soil	0.6	16.6	4.6	111	<0.1	10.3	15.5	532	3.72	4.2	0.5	2.1	3.0	20	<0.1	0.2	<0.1	106	0.36	0.060
25200 88400	Soil	1.3	18.9	6.6	63	0.2	14.4	11.2	466	2.88	4.3	0.6	3.6	2.6	21	0.2	0.3	<0.1	68	0.31	0.052
25200 88450	Soil	0.9	14.4	4.8	78	<0.1	14.7	11.8	739	2.81	4.9	0.6	2.4	3.1	23	0.1	0.2	<0.1	56	0.42	0.075
25200 88650	Soil	0.9	26.6	9.3	73	0.5	14.2	10.1	398	2.87	3.1	1.5	4.2	2.8	34	0.2	0.2	<0.1	62	0.62	0.076
25200 88750	Soil	1.7	22.0	11.1	87	0.2	13.8	11.9	594	3.39	3.7	1.0	3.7	3.6	30	0.2	0.2	<0.1	57	0.56	0.110
25200 88800	Soil	2.8	21.9	26.3	84	0.2	16.5	9.5	322	3.36	5.7	0.7	1.4	5.8	26	0.3	0.4	0.2	36	0.28	0.042
25200 88850	Soil	1.0	28.6	16.4	109	0.1	59.2	17.0	833	3.78	3.3	1.7	3.1	13.2	81	0.3	0.4	0.3	62	0.69	0.192
25200 88900	Soil	0.6	34.3	8.6	86	<0.1	13.9	18.2	482	4.31	4.1	0.7	3.8	2.8	33	<0.1	0.2	<0.1	112	0.48	0.029
25200 88950	Soil	0.8	20.8	8.8	71	0.2	11.1	8.9	292	3.12	4.5	0.5	5.1	2.2	30	<0.1	0.2	<0.1	73	0.46	0.034
25200 89000	Soil	1.0	33.1	10.9	85	0.8	11.2	10.0	440	3.18	3.3	1.3	6.2	3.4	32	<0.1	0.2	<0.1	68	0.48	0.055
25200 89050	Soil	1.5	35.8	8.3	90	0.2	9.2	13.3	456	4.26	2.2	0.7	2.2	4.5	17	0.1	<0.1	<0.1	105	0.47	0.101
25200 89100	Soil	0.9	44.6	27.0	184	0.2	11.4	13.1	675	3.75	3.1	0.9	5.5	2.8	35	0.6	0.2	<0.1	74	0.49	0.058
25200 89150	Soil	1.8	37.1	29.0	129	0.3	19.5	11.9	504	3.89	8.2	0.6	2.0	4.5	27	0.2	0.4	0.3	74	0.25	0.020
25200 89200	Soil	2.7	107.7	15.6	118	0.8	51.9	12.2	589	3.72	8.7	1.5	6.2	8.3	155	0.2	0.2	1.4	50	0.54	0.107
25200 89250	Soil	1.3	95.2	26.1	161	0.1	3.4	10.0	634	4.08	1.8	0.4	<0.5	3.4	24	0.1	0.1	0.2	83	0.23	0.032
25200 89300	Soil	2.2	125.7	27.1	140	0.2	11.7	7.4	418	3.47	5.2	0.7	0.8	7.5	19	0.1	0.3	1.1	41	0.20	0.032
25200 89350	Soil	1.2	20.8	10.5	78	0.4	20.0	9.9	666	3.12	8.7	0.4	3.5	4.0	27	0.2	0.5	0.2	67	0.28	0.037
25200 89400	Soil	1.5	24.4	10.1	61	0.4	20.7	9.2	534	2.84	9.7	1.1	7.4	7.4	22	0.1	0.6	0.2	63	0.18	0.019
25200 89450	Soil	7.8	13.5	10.1	61	<0.1	9.0	4.2	242	2.47	4.4	0.6	223.6	4.6	57	0.2	0.4	0.2	33	0.18	0.031



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25200 87700	Soil	12	17	0.68	210	0.088	<1	1.25	0.016	0.20	0.1	0.03	3.6	0.1	<0.05	5	<0.5	<0.2
25200 87850	Soil	15	22	0.44	458	0.039	1	1.54	0.013	0.09	0.1	0.01	2.6	<0.1	<0.05	5	0.8	0.6
25200 87900	Soil	9	35	0.74	188	0.094	1	1.81	0.013	0.11	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
25200 87950	Soil	15	23	0.55	282	0.079	<1	1.45	0.016	0.07	0.2	0.05	5.0	<0.1	<0.05	5	0.7	<0.2
25200 88000	Soil	8	14	0.72	228	0.124	<1	1.38	0.016	0.30	0.1	0.02	1.7	0.3	<0.05	5	<0.5	0.4
25200 88050	Soil	8	17	0.73	293	0.104	<1	1.78	0.012	0.26	0.1	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
25200 88100	Soil	17	21	0.78	513	0.100	1	1.46	0.016	0.20	0.1	0.04	4.4	0.1	<0.05	5	<0.5	<0.2
25200 88150	Soil	12	19	1.00	253	0.109	<1	1.73	0.011	0.51	<0.1	0.02	4.0	0.2	<0.05	8	<0.5	<0.2
25200 88200	Soil	19	18	0.85	252	0.145	<1	1.77	0.014	0.38	<0.1	0.03	3.9	0.2	<0.05	8	0.7	<0.2
25200 88250	Soil	20	23	0.83	222	0.125	<1	1.72	0.015	0.22	0.1	0.02	5.7	0.1	<0.05	7	0.6	<0.2
25200 88300	Soil	18	25	0.77	226	0.108	<1	1.82	0.014	0.12	0.2	0.03	5.7	<0.1	<0.05	7	<0.5	<0.2
25200 88350	Soil	10	17	1.38	297	0.166	<1	2.03	0.017	0.45	0.1	<0.01	6.5	0.2	<0.05	9	0.5	<0.2
25200 88400	Soil	10	26	0.77	245	0.106	<1	1.72	0.014	0.13	0.2	0.04	4.8	0.1	<0.05	7	0.6	0.4
25200 88450	Soil	13	24	0.70	285	0.107	<1	1.60	0.020	0.14	0.2	0.04	5.1	<0.1	<0.05	6	<0.5	<0.2
25200 88650	Soil	21	28	0.87	585	0.117	<1	1.94	0.017	0.33	0.1	0.07	6.1	0.1	<0.05	7	0.9	<0.2
25200 88750	Soil	17	22	0.73	356	0.066	<1	1.56	0.015	0.16	<0.1	<0.01	5.9	<0.1	<0.05	7	0.7	<0.2
25200 88800	Soil	18	24	0.33	589	0.024	<1	1.32	0.008	0.13	<0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
25200 88850	Soil	64	119	0.95	1246	0.057	<1	1.78	0.014	0.13	<0.1	0.03	8.5	<0.1	<0.05	8	0.8	<0.2
25200 88900	Soil	8	25	1.45	309	0.245	<1	2.65	0.020	0.36	<0.1	<0.01	5.7	0.2	<0.05	9	<0.5	<0.2
25200 88950	Soil	9	20	0.74	206	0.144	<1	1.96	0.015	0.12	<0.1	<0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
25200 89000	Soil	18	21	0.86	286	0.147	<1	2.17	0.017	0.24	0.1	0.04	4.8	0.1	<0.05	7	0.5	<0.2
25200 89050	Soil	15	24	1.30	401	0.221	<1	2.51	0.016	0.94	0.1	0.02	8.2	0.4	<0.05	9	<0.5	<0.2
25200 89100	Soil	17	20	1.11	378	0.198	<1	2.33	0.023	0.49	0.2	0.02	4.2	0.3	<0.05	7	<0.5	<0.2
25200 89150	Soil	8	29	1.03	226	0.169	<1	2.74	0.015	0.20	0.2	0.02	3.8	0.3	<0.05	8	0.8	<0.2
25200 89200	Soil	45	43	1.18	656	0.053	<1	2.53	0.017	0.26	<0.1	<0.01	5.1	0.3	<0.05	8	0.7	0.6
25200 89250	Soil	7	6	1.31	369	0.275	<1	3.05	0.010	0.90	0.2	0.02	3.8	0.8	<0.05	9	<0.5	0.4
25200 89300	Soil	10	25	0.64	266	0.123	<1	1.95	0.008	0.37	0.1	0.01	3.3	0.3	<0.05	8	<0.5	0.4
25200 89350	Soil	8	33	0.67	320	0.083	<1	2.25	0.011	0.14	0.1	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
25200 89400	Soil	35	37	0.52	357	0.078	<1	2.18	0.011	0.07	<0.1	0.02	4.6	0.1	<0.05	7	0.5	<0.2
25200 89450	Soil	14	15	0.30	426	0.018	<1	1.61	0.007	0.09	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	0.6



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
25200 89550	Soil	1.8	27.0	20.6	55	0.1	53.0	10.5	243	2.69	5.6	0.9	38.4	6.7	43	0.1	0.3	0.2	65	0.33	0.057
25200 89600	Soil	3.0	38.2	16.0	92	0.2	14.1	6.5	338	2.71	5.3	0.8	63.5	5.3	26	0.2	0.4	0.3	49	0.24	0.028
25200 89750	Soil	1.0	17.7	11.4	55	<0.1	9.6	5.4	162	2.06	0.6	0.6	3.7	8.4	20	0.1	0.1	0.2	15	0.27	0.036
25200 89850	Soil	8.7	44.2	17.6	99	0.2	15.7	9.2	547	3.06	5.2	1.2	23.3	7.5	25	0.2	0.3	0.3	47	0.32	0.049
25200 89900	Soil	7.7	78.5	17.6	98	0.5	22.1	11.8	885	4.02	9.0	2.4	30.1	6.6	40	0.2	0.5	0.3	64	0.49	0.065
25200 90000	Soil	2.0	16.4	9.7	54	<0.1	19.3	9.0	323	2.97	7.4	1.3	7.2	8.7	22	<0.1	0.4	0.1	56	0.19	0.032
25900 87850	Soil	1.1	28.5	6.9	66	0.1	18.0	12.5	625	2.83	6.2	1.2	2.3	3.4	49	0.2	0.4	0.1	55	1.08	0.099
25900 87900	Soil	0.7	32.9	7.0	66	<0.1	22.8	14.7	442	3.59	6.0	0.5	0.6	3.1	21	0.1	0.3	0.1	90	0.36	0.052
25900 87950	Soil	0.9	30.1	8.6	64	<0.1	23.5	11.4	414	3.75	9.5	0.7	4.4	6.1	24	<0.1	0.5	0.2	84	0.30	0.023
25900 88000	Soil	0.9	15.8	9.6	54	0.1	27.7	11.4	631	2.86	7.2	0.4	<0.5	4.0	28	0.1	0.4	0.2	64	0.34	0.060
25900 88050	Soil	0.8	25.2	8.7	65	<0.1	23.6	12.2	420	3.27	9.2	0.6	1.3	4.3	20	<0.1	0.6	0.2	83	0.23	0.037
25900 88100	Soil	1.0	25.4	9.9	56	<0.1	23.1	10.9	289	3.34	10.6	0.4	0.8	3.1	16	<0.1	0.5	0.2	86	0.20	0.023
25900 88150	Soil	0.9	19.0	7.9	109	<0.1	20.1	14.0	581	3.78	8.3	0.5	2.0	3.4	12	0.1	0.4	0.2	77	0.12	0.036
25900 88200	Soil	1.5	26.1	7.3	73	<0.1	24.3	14.2	401	3.72	6.4	0.5	2.9	3.2	25	<0.1	0.3	0.1	78	0.34	0.050
25900 88250	Soil	0.9	45.6	4.8	86	<0.1	41.6	21.6	763	4.81	4.4	0.7	0.7	2.6	22	<0.1	0.2	<0.1	104	0.70	0.165
25900 88300	Soil	0.6	20.2	6.7	77	<0.1	16.1	15.9	481	4.06	4.7	0.4	1.6	1.9	21	0.1	0.2	<0.1	123	0.42	0.053
25900 88350	Soil	0.6	21.0	6.1	58	<0.1	16.8	9.4	301	2.86	6.6	0.5	1.6	3.1	16	<0.1	0.4	<0.1	64	0.23	0.040
25900 88400	Soil	1.0	20.7	7.8	62	<0.1	17.6	10.2	415	3.11	6.7	0.5	0.9	3.3	16	<0.1	0.4	0.1	69	0.20	0.061
25900 88450	Soil	0.7	15.2	6.1	103	0.1	12.5	13.0	527	3.94	4.2	0.3	<0.5	2.3	21	0.1	0.3	0.1	66	0.40	0.115
25900 88500	Soil	1.0	22.8	9.6	56	0.1	22.3	9.9	293	2.94	8.3	0.5	0.9	3.3	16	<0.1	0.5	0.2	69	0.17	0.027
25900 88550	Soil	1.0	24.5	13.4	92	0.1	23.2	10.3	504	3.28	9.8	0.4	1.2	3.1	20	0.2	0.6	0.2	71	0.26	0.038
25900 88600	Soil	0.7	43.8	12.0	63	<0.1	21.8	16.4	383	3.59	7.7	0.3	3.2	2.1	12	0.3	0.4	0.1	91	0.18	0.047
25900 88650	Soil	0.8	11.0	8.8	50	<0.1	12.9	7.0	286	2.95	6.8	0.3	1.7	2.1	11	<0.1	0.4	0.2	71	0.21	0.029
25900 88750	Soil	0.8	9.9	9.3	43	<0.1	12.4	5.6	185	2.65	8.1	0.5	0.6	3.9	11	<0.1	0.4	0.2	71	0.11	0.024
25900 88850	Soil	1.0	21.7	8.9	79	<0.1	21.1	11.3	531	3.28	8.2	1.3	4.0	7.7	18	<0.1	0.5	0.2	67	0.22	0.056
25900 88900	Soil	1.2	13.1	10.0	50	<0.1	21.3	11.4	293	3.47	10.4	0.4	1.7	3.4	13	0.1	0.5	0.2	73	0.11	0.039
25900 88950	Soil	0.8	17.8	7.6	52	<0.1	17.7	10.4	342	3.12	7.0	0.6	4.5	4.2	15	<0.1	0.4	0.1	71	0.15	0.026
25900 89000	Soil	0.5	16.5	3.9	129	<0.1	38.4	30.1	1443	5.17	1.9	0.2	<0.5	1.2	15	0.2	<0.1	<0.1	142	0.43	0.154
25900 89050	Soil	0.8	19.5	7.0	54	0.1	17.1	9.4	254	2.73	5.8	0.7	2.4	3.6	15	<0.1	0.3	0.1	60	0.20	0.039
25900 89100	Soil	0.7	24.8	7.9	57	0.1	26.2	13.4	300	3.02	6.2	0.5	2.7	2.9	19	<0.1	0.3	0.1	76	0.26	0.026



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25200 89550	Soil	24	92	0.91	536	0.066	<1	2.07	0.014	0.05	<0.1	<0.01	3.6	0.1	<0.05	9	<0.5	<0.2
25200 89600	Soil	20	21	0.44	281	0.061	<1	1.70	0.010	0.10	<0.1	0.01	3.3	0.1	<0.05	6	<0.5	<0.2
25200 89750	Soil	27	16	0.57	350	0.003	<1	1.88	0.007	0.09	<0.1	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
25200 89850	Soil	27	26	0.51	458	0.053	<1	2.10	0.009	0.11	0.2	0.03	3.5	0.1	<0.05	6	<0.5	<0.2
25200 89900	Soil	85	38	0.61	675	0.050	<1	3.08	0.014	0.14	0.2	0.05	6.3	0.1	<0.05	10	0.9	0.4
25200 90000	Soil	20	34	0.49	313	0.063	<1	2.08	0.009	0.06	0.1	0.02	3.8	0.1	<0.05	7	0.7	<0.2
25900 87850	Soil	14	22	0.74	337	0.089	2	1.32	0.018	0.29	0.1	0.03	3.5	0.1	<0.05	5	0.6	<0.2
25900 87900	Soil	13	34	1.32	349	0.164	2	2.48	0.014	0.33	0.1	0.01	4.5	0.2	<0.05	8	<0.5	<0.2
25900 87950	Soil	14	34	0.84	310	0.074	1	2.10	0.014	0.17	0.1	0.02	7.4	<0.1	<0.05	7	<0.5	<0.2
25900 88000	Soil	11	38	0.67	449	0.073	2	1.63	0.010	0.18	0.1	0.01	3.3	<0.1	<0.05	6	<0.5	<0.2
25900 88050	Soil	11	32	0.82	232	0.117	2	2.07	0.011	0.17	0.1	0.01	5.0	<0.1	<0.05	6	<0.5	<0.2
25900 88100	Soil	7	36	0.81	234	0.102	<1	2.41	0.013	0.10	0.2	0.02	4.0	<0.1	<0.05	7	<0.5	<0.2
25900 88150	Soil	9	31	0.90	236	0.159	<1	2.38	0.008	0.38	0.2	0.01	6.9	0.2	<0.05	9	<0.5	<0.2
25900 88200	Soil	11	39	1.05	268	0.090	<1	2.26	0.013	0.10	<0.1	<0.01	4.6	<0.1	<0.05	8	<0.5	<0.2
25900 88250	Soil	15	66	1.53	345	0.066	<1	2.68	0.016	0.12	<0.1	0.01	8.1	<0.1	<0.05	9	<0.5	<0.2
25900 88300	Soil	8	26	1.25	255	0.212	2	2.51	0.016	0.39	<0.1	0.01	5.0	0.2	<0.05	8	<0.5	<0.2
25900 88350	Soil	11	26	0.77	194	0.094	1	1.63	0.014	0.13	<0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
25900 88400	Soil	9	29	0.68	195	0.093	<1	1.90	0.009	0.16	0.1	0.02	4.1	<0.1	<0.05	7	<0.5	<0.2
25900 88450	Soil	8	21	1.18	258	0.115	<1	2.35	0.011	0.28	<0.1	0.01	7.7	0.1	<0.05	10	<0.5	<0.2
25900 88500	Soil	9	38	0.60	183	0.070	<1	1.99	0.010	0.07	<0.1	0.01	3.6	<0.1	<0.05	6	<0.5	<0.2
25900 88550	Soil	9	36	0.66	324	0.086	1	2.09	0.010	0.14	0.1	0.01	4.6	<0.1	<0.05	7	0.5	<0.2
25900 88600	Soil	6	36	0.93	190	0.140	1	2.35	0.013	0.17	0.1	0.01	3.3	0.1	<0.05	6	<0.5	<0.2
25900 88650	Soil	8	23	0.52	129	0.103	<1	1.64	0.008	0.10	0.1	0.02	3.4	<0.1	<0.05	8	<0.5	<0.2
25900 88750	Soil	12	26	0.44	135	0.077	<1	1.91	0.005	0.06	0.1	0.02	3.3	0.1	<0.05	8	<0.5	<0.2
25900 88850	Soil	19	36	0.71	398	0.087	1	2.50	0.011	0.11	0.1	0.03	5.9	0.1	<0.05	7	0.5	<0.2
25900 88900	Soil	9	32	0.51	177	0.071	1	2.37	0.008	0.07	0.2	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
25900 88950	Soil	12	32	0.64	185	0.079	<1	2.19	0.013	0.09	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
25900 89000	Soil	5	83	2.61	384	0.347	<1	3.84	0.015	1.15	0.2	<0.01	3.8	0.6	<0.05	11	<0.5	<0.2
25900 89050	Soil	12	31	0.55	170	0.060	<1	2.03	0.010	0.06	0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
25900 89100	Soil	8	46	0.83	194	0.099	<1	2.49	0.013	0.05	<0.1	0.02	3.7	<0.1	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
25900 89150	Soil	0.8	24.3	9.5	61	<0.1	22.1	11.9	278	3.15	7.4	0.5	3.0	3.3	19	<0.1	0.4	0.1	74	0.23	0.022
25900 89200	Soil	0.8	45.8	8.6	71	0.2	26.8	15.7	516	4.18	5.1	1.7	4.0	4.9	26	<0.1	0.8	0.1	86	0.44	0.055
25900 89250	Soil	1.7	20.4	10.4	48	0.1	24.5	7.7	251	2.40	5.2	0.7	5.9	5.4	21	0.1	1.5	0.2	46	0.24	0.057
25900 89300	Soil	2.1	13.2	9.6	54	0.1	11.3	10.0	844	2.99	5.7	0.6	14.3	6.3	18	<0.1	0.3	0.1	56	0.14	0.076
25900 89350	Soil	0.8	16.3	7.3	69	<0.1	7.8	10.0	594	3.33	3.7	0.6	1.1	9.9	20	0.1	0.3	<0.1	40	0.24	0.073
25900 89400	Soil	1.0	19.8	7.9	55	<0.1	18.1	8.3	285	3.09	5.1	0.6	1.3	9.9	25	<0.1	0.3	<0.1	42	0.21	0.036
25900 89450	Soil	1.2	25.5	9.0	56	<0.1	24.9	12.1	337	2.94	6.0	0.7	7.4	7.7	21	0.1	0.5	0.1	61	0.22	0.030
25900 89500	Soil	1.0	26.4	8.6	51	<0.1	23.6	9.5	320	2.81	7.9	1.1	7.2	7.1	21	<0.1	0.5	0.1	61	0.20	0.021
25900 89550	Soil	1.4	14.4	8.1	48	0.1	20.5	7.9	308	2.84	5.5	0.6	5.5	5.6	14	0.1	0.4	0.1	58	0.13	0.030
25900 89600	Soil	1.6	17.6	7.9	60	<0.1	28.4	10.6	329	3.37	6.8	0.6	11.3	5.8	15	0.2	0.4	0.1	64	0.16	0.039
25900 89650	Soil	1.6	21.0	8.7	52	<0.1	21.4	11.7	280	3.14	7.3	0.6	23.1	5.5	15	0.1	0.5	0.2	66	0.15	0.016
25900 89700	Soil	1.7	26.2	9.3	51	<0.1	23.7	10.6	299	3.03	8.2	0.7	106.6	6.1	15	0.1	0.5	0.2	65	0.14	0.017
25900 89750	Soil	4.5	15.4	9.4	30	0.1	8.4	6.9	208	2.64	5.2	0.6	474.5	6.6	7	<0.1	0.5	0.2	33	0.05	0.024
25900 89850	Soil	4.7	29.0	12.9	40	0.2	17.7	6.8	216	2.67	8.3	1.0	10.5	0.5	23	0.2	0.5	0.3	60	0.19	0.054
25900 89900	Soil	8.4	34.5	14.0	55	0.2	22.7	9.4	280	3.52	10.5	1.0	8.8	1.1	20	0.2	0.6	0.3	65	0.18	0.064
25900 89950	Soil	3.7	16.7	16.6	51	<0.1	20.3	9.9	365	2.76	7.5	0.7	8.3	4.3	17	<0.1	0.4	0.2	56	0.18	0.043
25900 90000	Soil	2.9	12.5	12.9	41	<0.1	15.4	6.9	204	2.50	6.9	0.7	4.2	4.4	15	<0.1	0.5	0.3	57	0.14	0.039
25100 87650	Soil	4.3	36.8	158.0	160	0.3	16.8	34.6	4970	5.95	16.3	15.5	5.3	22.8	93	0.5	0.2	2.6	21	0.28	0.062
25100 87700	Soil	1.1	36.3	33.2	28	0.4	13.5	3.6	29	1.35	2.7	11.9	5.4	11.2	31	0.2	0.1	0.3	10	0.22	0.052
25100 87750	Soil	2.5	8.5	21.0	20	<0.1	5.7	2.2	73	2.14	14.9	0.9	1.3	8.7	18	<0.1	0.4	0.4	43	0.07	0.031
25100 87800	Soil	1.3	16.5	16.0	44	<0.1	12.8	5.9	173	2.27	12.0	1.2	3.2	6.5	22	<0.1	0.7	0.4	42	0.23	0.020
25100 87850	Soil	2.1	20.5	11.3	40	<0.1	9.8	5.9	152	1.99	5.9	2.7	2.7	7.1	27	<0.1	0.3	0.1	35	0.26	0.023
25100 87900	Soil	3.9	14.1	12.2	35	<0.1	10.8	7.1	175	2.90	19.0	1.1	1.2	11.2	25	<0.1	0.7	0.1	34	0.25	0.037
25100 87950	Soil	1.4	20.9	9.6	123	<0.1	47.5	16.0	459	3.79	8.2	1.2	<0.5	11.0	28	<0.1	0.2	0.1	65	0.51	0.148
25100 88000	Soil	1.1	17.0	10.1	49	<0.1	17.2	8.6	271	2.84	7.5	0.5	2.1	3.1	23	<0.1	0.4	0.2	59	0.30	0.038
25100 88100	Soil	1.0	31.4	6.9	67	<0.1	15.9	15.8	764	3.60	4.2	0.9	1.9	3.6	36	<0.1	0.4	0.1	74	0.71	0.082
25100 88150	Soil	1.0	21.6	8.3	68	0.1	11.6	9.7	450	3.36	3.9	1.2	3.9	6.6	28	<0.1	0.2	0.1	53	0.58	0.044
25100 88200	Soil	0.6	33.9	5.4	76	0.1	17.6	17.5	565	4.28	2.9	1.0	2.6	4.2	25	0.1	0.2	<0.1	100	0.64	0.139
25100 88250	Soil	0.9	25.6	5.2	91	<0.1	10.3	13.9	659	3.54	2.4	0.3	<0.5	1.2	47	0.1	0.2	<0.1	77	0.69	0.130
25100 88300	Soil	1.0	11.6	8.0	44	0.1	7.4	4.9	261	2.42	2.8	0.8	1.4	4.0	21	<0.1	0.3	0.2	45	0.45	0.023



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Project: Mariposa
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25900 89150	Soil	9	41	0.71	191	0.071	<1	2.46	0.012	0.05	<0.1	0.02	4.1	<0.1	<0.05	7	<0.5	<0.2
25900 89200	Soil	19	41	0.80	515	0.037	<1	2.13	0.010	0.07	<0.1	0.03	10.6	<0.1	<0.05	7	<0.5	<0.2
25900 89250	Soil	22	29	0.39	431	0.039	<1	1.63	0.008	0.08	0.1	0.01	2.5	<0.1	<0.05	5	<0.5	0.3
25900 89300	Soil	16	23	0.44	176	0.065	<1	1.75	0.007	0.23	<0.1	0.02	2.4	0.1	<0.05	7	<0.5	<0.2
25900 89350	Soil	19	16	0.51	231	0.057	1	2.10	0.014	0.34	<0.1	0.01	2.7	0.2	<0.05	7	<0.5	<0.2
25900 89400	Soil	19	27	0.55	266	0.055	<1	2.32	0.008	0.16	<0.1	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
25900 89450	Soil	17	42	0.65	231	0.081	1	2.40	0.010	0.08	0.1	0.03	4.2	0.1	<0.05	6	<0.5	<0.2
25900 89500	Soil	25	38	0.61	254	0.069	<1	2.01	0.020	0.05	0.1	0.04	5.7	<0.1	<0.05	5	<0.5	<0.2
25900 89550	Soil	12	31	0.50	165	0.072	<1	1.94	0.007	0.11	0.1	0.02	3.2	0.1	<0.05	7	<0.5	<0.2
25900 89600	Soil	11	43	0.68	182	0.080	<1	2.38	0.009	0.10	0.1	<0.01	3.4	0.1	<0.05	7	<0.5	<0.2
25900 89650	Soil	12	38	0.55	232	0.069	<1	2.62	0.009	0.06	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
25900 89700	Soil	14	39	0.54	252	0.065	<1	2.51	0.013	0.06	0.1	0.04	3.8	<0.1	<0.05	6	<0.5	<0.2
25900 89750	Soil	16	15	0.18	110	0.013	<1	1.67	0.005	0.05	<0.1	0.02	1.8	<0.1	0.07	4	<0.5	0.4
25900 89850	Soil	19	31	0.34	426	0.025	<1	2.02	0.009	0.06	0.1	0.03	2.0	<0.1	<0.05	6	<0.5	0.3
25900 89900	Soil	18	40	0.46	330	0.035	<1	2.24	0.011	0.06	<0.1	0.03	2.6	<0.1	<0.05	7	<0.5	0.3
25900 89950	Soil	12	33	0.55	324	0.055	<1	2.02	0.009	0.06	0.1	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
25900 90000	Soil	15	27	0.36	261	0.030	<1	1.74	0.007	0.05	0.2	0.04	2.3	0.1	<0.05	6	<0.5	<0.2
25100 87650	Soil	78	7	0.29	181	0.058	1	1.65	0.021	0.12	<0.1	0.02	4.3	0.2	0.10	4	1.7	<0.2
25100 87700	Soil	68	7	0.08	125	0.010	<1	1.73	0.009	0.12	<0.1	0.06	4.2	<0.1	<0.05	3	0.7	<0.2
25100 87750	Soil	10	11	0.11	151	0.022	<1	1.02	0.005	0.06	0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
25100 87800	Soil	17	20	0.37	187	0.043	<1	1.21	0.012	0.07	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
25100 87850	Soil	14	14	0.31	203	0.045	<1	1.11	0.009	0.06	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	0.3
25100 87900	Soil	25	16	0.35	239	0.027	<1	1.32	0.013	0.10	0.1	0.01	2.0	<0.1	<0.05	3	<0.5	0.3
25100 87950	Soil	31	76	1.33	201	0.166	<1	2.40	0.019	0.46	0.1	0.01	3.7	0.3	<0.05	6	<0.5	<0.2
25100 88000	Soil	10	24	0.57	275	0.059	1	1.73	0.011	0.15	0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
25100 88100	Soil	19	23	0.90	399	0.130	<1	1.86	0.017	0.29	0.1	0.05	5.5	0.1	<0.05	6	<0.5	<0.2
25100 88150	Soil	29	19	0.81	459	0.117	1	1.79	0.013	0.40	0.1	0.02	4.4	0.2	<0.05	7	<0.5	<0.2
25100 88200	Soil	17	33	1.78	518	0.217	1	2.50	0.016	0.86	<0.1	0.02	7.0	0.2	<0.05	7	<0.5	<0.2
25100 88250	Soil	9	22	1.38	479	0.231	1	2.16	0.015	0.62	<0.1	<0.01	1.9	0.2	<0.05	7	<0.5	<0.2
25100 88300	Soil	22	14	0.37	318	0.057	1	1.32	0.013	0.18	0.2	0.02	2.2	<0.1	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25100 88350	Soil	1.5	19.0	10.1	69	0.1	20.3	10.0	386	3.97	9.0	0.5	0.8	3.6	18	<0.1	0.5	0.2	78	0.19	0.029
25100 88450	Soil	1.3	20.5	9.1	115	0.1	14.1	9.9	873	3.51	6.5	0.3	1.1	2.4	34	0.4	0.5	0.2	76	0.60	0.082
25100 88500	Soil	0.7	30.7	7.1	71	0.2	20.8	11.3	460	2.59	2.9	1.1	2.8	1.2	49	0.2	0.3	0.1	56	1.01	0.086
25100 88550	Soil	1.1	27.9	8.4	80	0.2	20.6	13.0	420	3.56	4.0	1.2	1.3	3.3	40	0.2	0.2	0.1	68	0.57	0.056
25100 88600	Soil	0.8	19.9	7.9	98	<0.1	18.9	15.2	487	3.60	3.2	0.6	2.0	3.0	36	<0.1	0.2	0.1	58	0.69	0.081
25100 88700	Soil	1.0	22.4	6.0	97	0.1	12.2	11.0	554	4.04	2.3	0.7	0.6	3.5	24	0.2	0.1	0.1	56	0.51	0.094
25100 88750	Soil	2.4	39.5	15.5	108	0.1	44.9	16.6	688	5.64	4.3	1.4	1.8	6.7	38	0.4	0.3	0.2	71	0.91	0.145
25100 88800	Soil	0.9	21.0	15.0	70	<0.1	28.4	13.9	447	3.50	5.9	0.7	<0.5	7.6	20	0.2	0.4	0.2	58	0.26	0.065
25100 88850	Soil	0.9	18.0	8.6	113	0.1	24.7	19.0	460	3.85	3.9	0.9	7.6	4.1	24	0.2	0.3	0.1	84	0.47	0.071
25100 88900	Soil	0.8	30.8	11.5	91	0.4	13.3	13.4	448	3.49	3.2	1.0	4.6	3.1	31	0.1	0.2	0.1	74	0.53	0.079
25100 88950	Soil	0.7	25.1	17.0	84	<0.1	12.3	12.1	313	3.58	4.7	0.4	0.7	2.0	21	<0.1	0.3	<0.1	88	0.31	0.039
25100 89000	Soil	0.8	27.2	18.2	104	0.2	14.7	14.0	503	3.86	3.3	0.5	1.7	2.2	34	0.1	0.2	<0.1	87	0.54	0.055
25100 89050	Soil	0.5	32.3	7.6	103	<0.1	18.6	17.8	570	4.54	1.1	0.3	<0.5	0.9	32	<0.1	0.1	<0.1	97	0.79	0.074
25100 89100	Soil	0.4	40.7	10.8	102	0.1	14.3	17.6	407	4.44	2.8	0.6	2.7	2.0	36	0.1	0.2	<0.1	105	0.83	0.100
25100 89200	Soil	1.2	42.1	22.9	255	0.4	10.5	12.7	674	4.00	3.8	0.6	6.7	2.4	84	0.4	0.2	0.2	89	0.55	0.063
25100 89250	Soil	2.4	60.0	18.4	105	1.0	16.6	9.1	394	3.41	6.7	0.9	8.0	4.3	28	0.3	0.3	0.6	62	0.31	0.039
25100 89300	Soil	3.2	75.2	16.1	105	0.5	10.3	8.6	502	3.84	4.2	0.8	48.8	7.6	22	0.2	0.4	0.5	61	0.24	0.025
25100 89350	Soil	3.3	44.2	14.7	73	1.1	21.7	9.4	421	3.50	9.6	0.9	33.2	8.3	24	0.2	0.5	0.3	70	0.27	0.032
25100 89400	Soil	3.9	17.6	17.4	62	0.5	11.0	11.7	1257	2.56	5.0	0.6	6.4	3.6	20	0.2	0.3	0.2	49	0.28	0.034
25100 89500	Soil	8.3	22.0	16.9	69	0.2	16.5	8.2	335	3.90	9.1	0.5	61.1	4.3	21	0.2	0.9	0.3	56	0.21	0.034
25100 89550	Soil	2.6	25.3	14.0	58	0.1	20.0	8.0	201	2.88	7.3	0.6	4.7	2.3	34	0.1	0.3	0.3	61	0.44	0.046
25100 89600	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25100 89700	Soil	3.3	17.2	17.7	63	0.2	20.9	6.6	386	2.36	5.2	0.5	4.0	3.0	39	0.5	0.3	0.3	50	0.34	0.056
25100 89750	Soil	3.7	59.6	14.4	80	0.3	17.3	8.3	284	2.68	3.8	1.1	4.4	2.8	28	0.2	0.3	0.4	56	0.41	0.050
25100 89800	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25100 89900	Soil	7.1	23.4	12.2	87	<0.1	16.9	9.1	542	3.54	7.6	0.5	28.2	3.8	17	0.2	0.4	0.4	60	0.20	0.050
25100 89950	Soil	2.2	10.0	10.5	45	0.1	13.1	5.2	163	2.84	8.5	0.4	3.1	2.7	14	0.1	0.3	0.2	70	0.13	0.030
25100 90000	Soil	2.8	13.8	15.8	53	0.1	15.2	5.1	242	3.93	13.0	0.4	11.0	2.8	14	0.2	0.6	0.3	88	0.11	0.051
26000 87900	Soil	1.3	15.8	11.7	61	<0.1	17.9	10.5	470	3.31	7.2	0.5	3.6	3.6	17	0.1	0.5	0.2	64	0.24	0.023
26000 87950	Soil	1.9	42.3	17.5	78	<0.1	33.3	16.6	759	4.33	10.7	1.4	26.9	6.2	21	<0.1	1.3	0.1	63	0.30	0.030



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25100 88350	Soil	9	42	0.67	227	0.104	1	2.18	0.011	0.24	0.1	0.02	3.2	0.1	<0.05	7	0.5	<0.2
25100 88450	Soil	8	22	0.69	276	0.087	2	1.61	0.011	0.28	0.1	0.02	4.4	<0.1	<0.05	7	<0.5	<0.2
25100 88500	Soil	20	31	0.75	556	0.066	3	1.57	0.017	0.15	<0.1	0.08	5.3	0.1	<0.05	6	0.8	<0.2
25100 88550	Soil	18	29	0.80	589	0.122	1	1.96	0.014	0.36	0.1	0.03	5.7	0.1	<0.05	8	<0.5	<0.2
25100 88600	Soil	10	36	1.17	396	0.118	1	2.20	0.014	0.21	<0.1	0.01	3.9	0.1	<0.05	8	<0.5	<0.2
25100 88700	Soil	11	25	0.98	529	0.235	<1	2.12	0.010	0.64	0.1	0.01	2.6	0.2	<0.05	7	<0.5	<0.2
25100 88750	Soil	27	58	1.68	708	0.026	1	2.91	0.011	0.22	<0.1	0.01	9.2	<0.1	<0.05	8	<0.5	0.3
25100 88800	Soil	24	62	0.65	300	0.055	2	1.99	0.009	0.20	<0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
25100 88850	Soil	18	34	1.22	355	0.109	9	2.30	0.014	0.24	<0.1	0.01	7.9	0.1	<0.05	9	<0.5	<0.2
25100 88900	Soil	15	21	0.84	261	0.129	1	2.38	0.015	0.29	<0.1	0.05	5.8	0.1	<0.05	8	<0.5	<0.2
25100 88950	Soil	7	23	0.92	158	0.164	1	2.32	0.016	0.13	<0.1	<0.01	3.5	<0.1	<0.05	7	<0.5	<0.2
25100 89000	Soil	9	23	1.02	265	0.189	<1	2.29	0.017	0.22	0.1	0.03	3.9	0.1	<0.05	7	<0.5	<0.2
25100 89050	Soil	5	30	1.47	314	0.274	<1	2.65	0.022	0.63	0.1	<0.01	3.4	0.4	<0.05	8	<0.5	<0.2
25100 89100	Soil	10	19	1.45	333	0.260	<1	2.92	0.022	0.39	<0.1	0.02	4.1	0.2	<0.05	9	<0.5	<0.2
25100 89200	Soil	11	20	1.20	388	0.192	1	2.42	0.022	0.36	0.1	0.03	3.5	0.2	<0.05	8	<0.5	0.4
25100 89250	Soil	17	28	0.66	290	0.083	1	2.01	0.012	0.15	<0.1	0.03	3.4	0.1	<0.05	7	<0.5	0.4
25100 89300	Soil	23	16	0.72	380	0.097	<1	2.41	0.010	0.28	<0.1	0.02	3.6	0.3	<0.05	7	<0.5	<0.2
25100 89350	Soil	17	39	0.60	444	0.062	1	2.42	0.011	0.08	0.1	0.03	3.5	0.1	<0.05	7	<0.5	<0.2
25100 89400	Soil	12	22	0.35	234	0.046	3	1.79	0.008	0.13	0.1	0.04	2.4	0.1	<0.05	6	<0.5	<0.2
25100 89500	Soil	15	28	0.26	274	0.020	<1	1.49	0.006	0.10	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
25100 89550	Soil	14	37	0.57	309	0.053	<1	1.75	0.011	0.07	0.2	0.02	3.0	0.1	<0.05	7	<0.5	<0.2
25100 89600	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25100 89700	Soil	14	37	0.36	391	0.035	<1	1.31	0.008	0.10	0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
25100 89750	Soil	30	29	0.53	428	0.093	2	1.60	0.010	0.12	0.2	0.06	3.0	0.1	<0.05	6	<0.5	<0.2
25100 89800	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25100 89900	Soil	11	32	0.43	212	0.055	<1	1.78	0.007	0.12	0.2	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
25100 89950	Soil	9	26	0.33	154	0.052	<1	1.59	0.007	0.06	0.2	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2
25100 90000	Soil	8	31	0.27	162	0.077	1	1.61	0.006	0.07	0.2	0.03	2.7	<0.1	<0.05	8	<0.5	<0.2
26000 87900	Soil	10	28	0.60	290	0.076	1	1.54	0.010	0.25	0.1	0.02	4.8	0.1	<0.05	5	<0.5	<0.2
26000 87950	Soil	23	29	0.54	367	0.047	<1	1.31	0.012	0.19	0.1	0.06	8.7	<0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
26000 88000	Soil	0.6	40.2	7.6	110	<0.1	19.7	17.4	759	4.66	6.8	0.4	2.8	2.9	14	<0.1	0.3	<0.1	155	0.24	0.031
26000 88050	Soil	0.3	68.6	8.4	132	<0.1	11.9	27.6	1050	6.11	3.3	0.4	107.0	2.3	9	<0.1	0.2	<0.1	197	0.12	0.038
26000 88100	Soil	1.0	21.4	9.5	71	<0.1	33.3	14.3	404	3.35	7.7	0.7	2.5	4.7	37	<0.1	0.4	0.1	81	0.48	0.164
26000 88150	Soil	1.2	13.0	12.3	60	<0.1	33.3	12.1	283	2.78	6.9	0.3	1.3	2.1	27	<0.1	0.4	0.1	64	0.29	0.039
26000 88200	Soil	1.6	23.1	12.8	59	<0.1	30.8	11.8	298	3.36	9.9	0.4	3.1	3.0	17	<0.1	0.5	0.1	74	0.25	0.027
26000 88250	Soil	0.8	15.9	13.4	99	<0.1	12.2	8.8	262	3.01	4.4	0.4	<0.5	1.7	22	<0.1	0.2	<0.1	49	0.30	0.088
26000 88300	Soil	1.1	17.7	13.0	73	<0.1	18.3	9.8	518	3.07	6.7	0.5	1.6	4.1	19	<0.1	0.3	0.2	56	0.21	0.043
26000 88350	Soil	1.8	27.2	15.5	70	<0.1	48.5	13.4	385	3.54	9.0	0.6	<0.5	4.5	21	0.1	0.4	0.1	80	0.30	0.059
26000 88400	Soil	1.5	17.4	10.3	95	<0.1	22.6	11.9	357	3.31	8.4	0.4	1.7	2.8	26	0.2	0.5	0.2	70	0.39	0.116
26000 88450	Soil	0.7	37.2	9.0	61	<0.1	22.1	11.5	444	2.75	4.3	0.2	<0.5	1.0	16	0.2	0.2	<0.1	72	0.40	0.066
26000 88500	Soil	0.5	19.4	5.5	133	<0.1	12.6	14.5	460	4.00	2.9	0.6	<0.5	2.4	12	0.1	<0.1	<0.1	86	0.56	0.214
26000 88550	Soil	0.9	26.1	10.9	51	0.4	19.3	9.3	286	2.71	7.5	0.8	2.0	4.3	16	0.1	0.6	0.2	64	0.17	0.012
26000 88600	Soil	1.4	15.7	10.8	62	0.1	12.7	6.9	342	2.97	7.8	0.5	1.4	2.9	14	<0.1	0.3	0.2	68	0.20	0.049
26000 88650	Soil	0.8	15.9	7.6	94	<0.1	15.4	9.7	716	3.47	4.4	0.5	1.3	4.2	15	0.1	0.2	0.1	56	0.22	0.037
26000 88700	Soil	1.2	14.0	9.1	74	0.2	12.5	6.8	532	3.10	5.5	0.5	1.2	2.5	16	0.1	0.3	0.2	66	0.19	0.041
26000 88750	Soil	0.9	18.1	8.0	63	<0.1	22.0	10.2	379	3.03	8.2	0.6	0.8	4.3	14	0.2	0.4	0.2	59	0.16	0.042
26000 88800	Soil	2.4	36.7	14.7	78	0.3	24.2	9.6	541	3.10	6.3	2.4	3.3	6.8	27	0.2	0.3	0.2	58	0.52	0.062
26000 88850	Soil	1.5	16.2	11.3	66	0.1	18.0	8.9	487	3.36	8.2	0.6	1.9	3.9	15	0.1	0.4	0.2	68	0.17	0.043
26000 88900	Soil	1.1	18.5	15.0	49	0.2	14.1	7.5	242	3.52	7.4	0.7	4.0	3.1	13	<0.1	0.4	0.2	77	0.14	0.049
26000 88950	Soil	0.7	9.4	12.4	28	<0.1	7.4	2.6	76	2.44	7.7	0.5	1.8	0.3	12	<0.1	0.3	0.2	68	0.11	0.065
26000 89000	Soil	1.4	33.6	8.5	55	<0.1	31.7	14.1	232	3.03	6.5	0.6	4.6	2.4	18	<0.1	0.3	0.1	69	0.22	0.034
26000 89050	Soil	0.6	20.8	9.4	52	0.1	22.5	11.1	256	2.72	9.4	0.6	3.2	3.3	21	<0.1	0.4	0.1	61	0.26	0.063
26000 89100	Soil	0.9	26.8	10.1	55	0.2	27.1	12.8	293	3.20	7.8	0.3	2.8	2.0	22	0.1	0.5	0.1	71	0.25	0.036
26000 89150	Soil	0.8	32.7	8.3	61	0.2	26.8	13.5	321	3.41	7.0	0.5	4.8	2.7	18	<0.1	0.3	0.1	85	0.23	0.028
26000 89200	Soil	1.1	21.4	11.2	92	<0.1	21.4	17.1	436	4.27	4.7	0.4	4.8	3.0	20	<0.1	0.3	0.1	88	0.32	0.061
26000 89250	Soil	1.6	22.7	9.9	51	0.1	17.2	12.9	448	2.73	8.4	1.0	3.3	4.8	13	<0.1	0.4	0.2	61	0.12	0.020
26000 89300	Soil	1.6	32.8	15.8	50	0.3	15.1	7.1	266	3.42	10.1	0.5	3.3	3.8	14	0.1	0.8	0.3	67	0.14	0.033
26000 89350	Soil	1.2	23.3	11.3	58	0.2	26.8	12.4	301	3.06	10.8	0.7	6.1	6.9	13	<0.1	0.6	0.2	62	0.13	0.029
26000 89400	Soil	0.9	17.4	10.8	46	<0.1	15.0	7.5	320	2.93	5.0	0.5	1.4	5.9	39	0.1	0.3	<0.1	50	0.19	0.035
26000 89450	Soil	1.2	24.9	12.7	63	0.1	48.1	13.3	505	3.29	9.0	1.0	4.1	10.3	29	<0.1	0.5	0.2	73	0.33	0.044



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26000 88000	Soil	7	22	1.96	165	0.099	<1	2.58	0.008	0.21	<0.1	0.01	10.1	<0.1	<0.05	10	<0.5	<0.2
26000 88050	Soil	8	22	2.99	218	0.095	<1	3.50	0.008	0.58	<0.1	0.02	22.1	0.2	<0.05	14	0.9	<0.2
26000 88100	Soil	16	44	1.27	483	0.153	1	1.84	0.014	0.48	0.2	0.01	4.9	0.2	<0.05	7	<0.5	<0.2
26000 88150	Soil	6	51	0.98	344	0.125	1	1.99	0.016	0.29	0.1	0.01	2.6	0.1	<0.05	6	<0.5	<0.2
26000 88200	Soil	7	49	0.80	190	0.079	<1	2.12	0.010	0.09	0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
26000 88250	Soil	5	21	0.68	192	0.096	2	1.82	0.008	0.29	<0.1	0.02	2.3	0.1	<0.05	7	<0.5	<0.2
26000 88300	Soil	8	28	0.64	284	0.060	<1	1.82	0.008	0.12	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
26000 88350	Soil	15	85	1.22	156	0.101	<1	2.38	0.009	0.07	0.1	0.02	4.8	<0.1	<0.05	7	<0.5	<0.2
26000 88400	Soil	8	36	0.86	261	0.075	1	2.39	0.011	0.09	0.1	0.01	4.1	<0.1	<0.05	8	<0.5	<0.2
26000 88450	Soil	3	37	0.92	209	0.145	<1	2.34	0.025	0.15	<0.1	0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
26000 88500	Soil	12	20	1.90	347	0.199	<1	2.59	0.020	0.60	<0.1	<0.01	6.7	0.2	<0.05	10	<0.5	<0.2
26000 88550	Soil	12	38	0.48	243	0.072	<1	1.80	0.011	0.05	0.1	0.03	4.7	0.1	<0.05	5	<0.5	<0.2
26000 88600	Soil	11	27	0.60	196	0.108	1	1.56	0.008	0.17	0.2	0.01	4.0	<0.1	<0.05	7	<0.5	<0.2
26000 88650	Soil	15	26	1.02	302	0.142	<1	2.19	0.007	0.48	0.1	0.01	5.9	0.2	<0.05	7	<0.5	<0.2
26000 88700	Soil	9	24	0.62	199	0.125	1	1.74	0.008	0.19	0.1	0.02	3.8	0.1	<0.05	7	<0.5	<0.2
26000 88750	Soil	11	30	0.58	200	0.092	1	1.99	0.008	0.15	0.1	0.02	4.2	0.1	<0.05	6	<0.5	0.2
26000 88800	Soil	36	35	0.76	406	0.072	<1	1.87	0.011	0.08	<0.1	0.06	6.7	0.1	<0.05	6	<0.5	<0.2
26000 88850	Soil	13	32	0.48	310	0.053	2	2.27	0.010	0.11	0.1	0.03	4.2	0.1	<0.05	7	<0.5	<0.2
26000 88900	Soil	11	32	0.37	202	0.070	<1	2.21	0.010	0.10	0.1	0.03	3.8	0.2	<0.05	8	<0.5	<0.2
26000 88950	Soil	10	22	0.16	178	0.043	1	1.26	0.007	0.04	<0.1	0.03	1.5	<0.1	<0.05	8	<0.5	<0.2
26000 89000	Soil	9	50	0.78	246	0.090	<1	2.51	0.011	0.08	<0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
26000 89050	Soil	10	33	0.51	203	0.070	2	2.15	0.011	0.06	0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
26000 89100	Soil	7	41	0.78	224	0.093	<1	2.43	0.010	0.08	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	0.2
26000 89150	Soil	10	51	0.86	182	0.134	<1	2.61	0.010	0.09	0.1	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
26000 89200	Soil	10	30	1.23	272	0.122	<1	2.53	0.011	0.15	<0.1	0.02	5.8	0.1	<0.05	10	<0.5	<0.2
26000 89250	Soil	11	35	0.45	372	0.049	2	2.13	0.012	0.07	<0.1	0.05	4.2	0.1	<0.05	6	<0.5	<0.2
26000 89300	Soil	10	31	0.42	333	0.039	1	1.90	0.008	0.07	0.2	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
26000 89350	Soil	11	42	0.51	259	0.058	1	2.71	0.013	0.06	0.1	0.05	3.4	<0.1	<0.05	5	<0.5	<0.2
26000 89400	Soil	9	31	0.67	298	0.077	<1	2.12	0.009	0.19	<0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
26000 89450	Soil	31	65	0.99	388	0.136	2	2.50	0.014	0.09	0.2	0.02	4.4	0.1	<0.05	7	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
26000 89500	Soil	1.3	14.2	16.0	49	0.1	18.5	9.0	548	3.33	8.5	0.6	7.9	5.5	18	<0.1	0.5	0.2	59	0.14
26000 89600	Soil	1.1	24.8	11.3	52	<0.1	23.2	9.3	315	3.10	10.7	1.3	5.4	8.0	15	<0.1	0.5	0.2	66	0.15
26000 89650	Soil	0.9	16.4	10.4	44	<0.1	17.7	7.6	199	2.59	7.6	0.9	4.1	4.2	13	<0.1	0.4	0.2	57	0.13
26000 89750	Soil	1.3	20.4	10.4	56	<0.1	19.8	8.8	311	3.09	7.4	0.6	7.2	11.2	15	<0.1	0.5	0.1	63	0.14
26000 89800	Soil	1.4	28.0	12.5	43	0.1	15.4	6.0	229	2.79	8.0	1.2	11.9	5.9	16	<0.1	0.5	0.2	66	0.15
26000 89850	Soil	3.4	28.2	10.1	53	<0.1	31.2	9.7	345	2.76	7.4	1.0	53.6	4.2	21	<0.1	0.5	0.2	54	0.23
26000 89900	Soil	4.1	20.0	12.6	41	<0.1	18.1	6.6	206	2.57	7.6	0.6	24.1	4.4	22	<0.1	0.4	0.2	58	0.23
26000 89950	Soil	4.7	29.2	12.5	54	<0.1	22.2	10.2	439	3.61	13.2	0.5	15.2	5.2	19	0.1	0.5	0.3	77	0.17
24600 87300	Soil	0.8	26.3	9.0	73	<0.1	18.2	11.5	498	2.81	7.5	1.1	6.1	4.3	43	0.1	0.5	0.1	55	1.25
25500 87750	Soil	2.3	19.7	9.7	82	<0.1	12.0	11.3	459	3.36	16.9	1.9	0.8	5.4	37	<0.1	0.6	0.1	57	0.42
25500 87800	Soil	1.5	20.6	13.1	75	<0.1	15.5	9.8	313	3.31	9.5	0.7	0.6	2.4	21	<0.1	0.3	0.1	70	0.32
25500 87850	Soil	1.7	18.6	12.5	77	0.1	20.5	14.0	314	3.31	8.6	0.6	0.8	3.0	22	<0.1	0.4	0.1	88	0.37
25500 87900	Soil	1.6	33.5	11.8	63	<0.1	28.0	12.5	275	3.72	14.4	0.4	4.1	3.2	21	<0.1	0.6	<0.1	98	0.35
25500 87950	Soil	1.4	21.2	13.1	51	<0.1	26.6	9.4	289	2.95	11.4	0.5	1.4	3.8	23	<0.1	0.6	0.1	65	0.29
25500 88000	Soil	1.3	25.9	13.1	64	<0.1	27.9	10.7	330	3.53	11.9	0.6	4.1	4.5	21	<0.1	0.6	0.1	75	0.21
25500 88050	Soil	1.5	13.2	15.1	58	<0.1	23.4	10.2	369	2.92	8.2	0.4	1.9	3.4	22	0.1	0.5	0.2	67	0.21
25500 88100	Soil	1.6	14.0	14.8	85	<0.1	17.4	9.2	410	3.28	6.5	0.8	0.8	5.9	23	0.1	0.4	0.1	52	0.27
25500 88150	Soil	1.5	14.6	10.4	69	<0.1	17.5	8.8	312	3.38	8.6	0.4	1.4	2.9	13	0.1	0.5	0.1	64	0.18
25500 88200	Soil	0.7	12.3	9.7	76	<0.1	6.7	4.1	387	2.53	4.3	0.4	<0.5	3.8	14	<0.1	0.1	<0.1	23	0.19
25500 88250	Soil	1.7	20.8	11.6	66	0.1	20.0	11.3	793	3.43	7.3	0.6	1.8	3.1	18	<0.1	0.4	0.2	92	0.22
25500 88300	Soil	4.0	32.8	19.2	68	0.2	23.4	10.6	528	3.12	8.2	1.1	4.7	3.8	25	<0.1	0.5	0.1	63	0.36
25500 88350	Soil	2.2	16.7	12.7	63	<0.1	22.5	11.3	332	3.86	5.5	0.5	<0.5	3.0	12	<0.1	0.3	0.1	63	0.14
25500 88400	Soil	1.3	22.5	10.3	61	<0.1	17.6	10.7	280	3.31	7.7	0.6	4.4	3.2	18	<0.1	0.3	0.1	78	0.29
25500 88450	Soil	1.0	17.3	9.7	62	<0.1	17.6	10.0	297	3.14	6.2	0.4	3.2	2.9	16	<0.1	0.3	0.1	67	0.23
25500 88500	Soil	0.9	16.9	10.4	52	<0.1	15.6	8.5	248	2.62	6.0	0.5	2.8	3.2	18	<0.1	0.2	0.1	60	0.23
25500 88550	Soil	1.0	17.6	7.6	58	<0.1	13.2	10.0	327	2.82	4.9	0.3	16.1	2.1	15	<0.1	0.3	<0.1	62	0.29
25500 88600	Soil	1.5	19.9	14.3	56	0.1	23.9	8.8	297	2.57	6.4	0.7	2.1	3.2	22	<0.1	0.3	0.1	62	0.29
25500 88650	Soil	0.9	16.9	9.6	63	<0.1	16.8	8.9	296	2.81	5.5	0.4	1.6	2.4	12	<0.1	0.3	0.1	65	0.26
25500 88700	Soil	1.1	33.5	13.7	92	0.1	21.7	12.6	505	3.31	5.1	0.8	9.5	2.7	20	0.2	0.3	0.1	84	0.36
25500 88750	Soil	1.0	18.3	12.1	67	<0.1	18.8	10.4	376	2.81	8.9	0.6	2.5	3.7	19	<0.1	0.3	0.1	61	0.28



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26000 89500	Soil	13	36	0.51	297	0.062	1	1.99	0.012	0.09	0.1	0.03	3.1	0.1	<0.05	7	<0.5	0.2
26000 89600	Soil	19	45	0.56	222	0.085	2	2.35	0.013	0.05	0.2	0.05	5.5	0.1	<0.05	6	<0.5	<0.2
26000 89650	Soil	16	32	0.48	174	0.065	1	1.99	0.010	0.05	0.2	0.03	3.4	0.1	<0.05	6	<0.5	<0.2
26000 89750	Soil	22	37	0.51	186	0.077	<1	2.37	0.011	0.08	0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
26000 89800	Soil	18	35	0.37	253	0.065	<1	1.86	0.010	0.05	0.2	0.05	4.7	0.1	<0.05	6	0.5	<0.2
26000 89850	Soil	20	36	0.53	701	0.059	3	1.73	0.011	0.06	0.1	0.04	5.2	<0.1	<0.05	5	<0.5	0.4
26000 89900	Soil	18	32	0.47	359	0.065	1	1.67	0.010	0.06	0.1	0.02	3.7	<0.1	<0.05	6	<0.5	0.5
26000 89950	Soil	12	43	0.53	198	0.090	2	2.08	0.009	0.10	0.1	0.01	3.7	0.1	<0.05	8	<0.5	0.2
24600 87300	Soil	13	21	0.74	263	0.104	2	1.36	0.021	0.25	0.2	0.02	3.9	0.2	<0.05	5	0.6	<0.2
25500 87750	Soil	13	16	0.95	225	0.154	1	1.86	0.015	0.57	<0.1	0.01	3.2	0.3	<0.05	6	0.5	0.3
25500 87800	Soil	7	23	0.90	244	0.146	1	1.94	0.012	0.60	0.1	<0.01	2.8	0.3	<0.05	6	0.6	<0.2
25500 87850	Soil	7	29	0.64	291	0.126	3	1.93	0.015	0.31	0.2	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
25500 87900	Soil	12	53	0.93	281	0.118	2	2.01	0.020	0.20	<0.1	0.01	6.8	0.1	<0.05	7	<0.5	<0.2
25500 87950	Soil	9	39	0.61	216	0.113	1	1.96	0.014	0.10	0.1	0.01	3.7	<0.1	<0.05	5	0.6	<0.2
25500 88000	Soil	15	43	0.82	304	0.172	1	2.27	0.014	0.34	0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
25500 88050	Soil	9	38	0.52	395	0.079	2	2.02	0.011	0.09	<0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
25500 88100	Soil	19	28	0.50	347	0.044	1	1.63	0.008	0.15	0.2	0.01	2.6	0.1	<0.05	7	<0.5	<0.2
25500 88150	Soil	7	29	0.69	192	0.143	<1	2.05	0.010	0.28	0.1	<0.01	2.7	0.1	<0.05	7	<0.5	<0.2
25500 88200	Soil	4	8	0.83	122	0.152	<1	2.04	0.008	0.45	0.1	<0.01	1.7	0.3	<0.05	7	<0.5	<0.2
25500 88250	Soil	13	33	0.78	187	0.091	1	2.06	0.012	0.09	0.1	0.02	6.0	<0.1	<0.05	8	0.5	<0.2
25500 88300	Soil	14	33	0.70	563	0.051	1	1.70	0.014	0.08	0.1	0.02	8.2	<0.1	<0.05	5	0.6	<0.2
25500 88350	Soil	12	37	0.64	221	0.031	<1	2.34	0.008	0.11	<0.1	0.02	3.8	<0.1	<0.05	7	<0.5	<0.2
25500 88400	Soil	10	30	0.80	226	0.119	1	2.07	0.013	0.22	0.1	0.03	3.9	0.1	<0.05	7	<0.5	<0.2
25500 88450	Soil	9	28	0.78	166	0.136	1	1.98	0.012	0.09	0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
25500 88500	Soil	9	28	0.58	194	0.109	1	1.67	0.012	0.09	0.2	0.02	3.2	<0.1	<0.05	5	0.5	<0.2
25500 88550	Soil	7	21	0.68	188	0.130	<1	1.55	0.017	0.18	<0.1	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
25500 88600	Soil	11	41	0.59	238	0.098	2	1.71	0.017	0.06	0.1	0.03	4.2	<0.1	<0.05	7	<0.5	<0.2
25500 88650	Soil	8	27	0.71	126	0.113	1	1.63	0.015	0.09	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
25500 88700	Soil	12	36	0.97	263	0.167	<1	2.07	0.019	0.15	0.1	0.03	4.7	0.1	<0.05	7	<0.5	<0.2
25500 88750	Soil	12	33	0.68	236	0.123	1	1.62	0.014	0.09	0.2	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
25500 88800	Soil	0.6	34.7	7.0	73	<0.1	22.5	13.1	476	3.15	3.2	0.4	2.3	2.1	18	0.2	0.2	<0.1	73	0.52	0.129
25500 88850	Soil	0.9	19.5	8.6	78	0.1	20.4	9.3	409	2.67	4.3	0.7	10.1	3.3	21	0.2	0.3	0.1	55	0.36	0.067
25500 88900	Soil	1.1	20.3	9.3	96	<0.1	14.1	10.2	560	3.36	4.4	0.6	3.4	3.0	17	0.2	0.2	0.1	61	0.34	0.100
25500 88950	Soil	1.2	29.8	7.7	102	0.1	18.7	8.7	512	3.17	2.9	1.0	5.6	2.5	21	0.1	0.2	0.1	53	0.42	0.083
25500 89050	Soil	3.3	41.5	22.7	113	0.2	5.6	5.4	730	2.90	1.3	1.7	16.3	12.9	18	0.5	0.2	1.4	17	0.38	0.078
25500 89100	Soil	4.1	71.4	20.5	111	<0.1	11.1	5.5	374	2.73	2.9	1.2	10.1	9.0	35	0.3	0.4	0.4	26	0.23	0.021
25500 89150	Soil	4.7	62.5	19.0	95	0.2	19.1	6.5	397	2.79	5.5	1.3	75.2	6.9	27	0.2	0.4	0.4	46	0.32	0.026
25500 89200	Soil	3.3	56.4	18.6	71	0.1	20.3	8.9	348	2.68	7.1	0.8	47.3	6.4	19	0.2	0.5	0.4	41	0.14	0.020
25500 89250	Soil	8.4	90.1	24.9	114	0.3	18.2	7.0	478	3.03	8.3	0.9	78.8	5.2	24	0.5	0.8	0.6	44	0.22	0.031
25500 89300	Soil	2.1	42.5	17.2	57	<0.1	26.5	8.5	310	2.90	9.4	0.6	34.4	4.5	20	<0.1	0.6	0.3	56	0.26	0.017
25500 89350	Soil	3.4	47.1	17.7	57	0.3	15.6	6.7	535	2.43	5.3	0.6	17.5	4.1	21	0.2	0.5	1.0	47	0.23	0.027
25500 89400	Soil	3.3	81.0	21.7	62	0.3	19.8	7.5	408	2.71	5.7	1.1	31.1	5.8	23	0.1	0.6	0.6	46	0.27	0.024
25500 89450	Soil	2.3	71.2	16.0	58	0.2	16.1	7.3	387	2.53	5.4	0.8	24.3	5.5	20	0.1	0.5	0.6	44	0.25	0.020
25500 89500	Soil	2.1	90.8	20.8	76	0.5	22.4	8.5	313	3.36	7.8	0.7	22.5	5.7	19	0.1	0.7	0.4	57	0.19	0.018
25500 89550	Soil	3.3	106.5	31.1	122	0.2	15.3	7.8	594	3.94	6.1	0.8	41.8	4.8	15	0.4	0.9	0.8	49	0.09	0.036
25500 89600	Soil	3.9	234.8	46.0	154	0.6	11.1	12.6	705	5.59	4.1	0.9	1570	5.9	28	0.4	0.5	1.2	59	0.13	0.043
25500 89650	Soil	2.5	24.7	18.3	64	0.2	17.2	6.4	312	3.18	8.9	0.4	4.3	2.7	13	0.3	0.4	0.4	74	0.13	0.036
25500 89700	Soil	4.7	46.8	16.9	100	0.1	6.8	3.4	205	2.18	2.2	0.5	17.9	0.7	11	0.2	0.2	0.4	36	0.04	0.040
25500 89800	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25500 89850	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25500 89900	Soil	2.9	78.0	37.0	114	<0.1	68.9	13.3	405	3.82	3.4	2.4	16.9	15.2	104	0.2	0.4	0.3	52	0.64	0.212
25600 87800	Soil	1.8	25.7	13.9	93	<0.1	25.5	10.4	327	3.17	13.6	1.2	2.4	3.7	26	<0.1	0.3	0.1	58	0.38	0.087
25600 87850	Soil	6.5	40.3	9.8	42	0.1	12.7	5.6	140	4.06	12.4	1.5	2.3	5.9	120	<0.1	0.2	<0.1	43	0.15	0.067
25600 87900	Soil	0.9	40.7	8.2	74	<0.1	22.9	15.6	682	3.89	4.9	0.3	4.8	2.1	26	<0.1	0.4	<0.1	82	0.72	0.139
25600 87950	Soil	1.9	18.0	10.2	89	<0.1	7.5	6.8	356	3.65	2.6	1.0	10.7	6.8	9	<0.1	0.4	<0.1	24	0.14	0.048
25600 88000	Soil	1.2	16.2	12.6	80	<0.1	18.4	11.1	508	3.30	7.6	0.7	2.1	3.8	19	<0.1	0.5	0.1	60	0.21	0.029
25600 88050	Soil	0.7	23.6	6.7	73	<0.1	9.7	6.9	329	3.32	3.7	1.0	40.3	8.4	14	<0.1	0.3	<0.1	39	0.18	0.022
25600 88100	Soil	1.0	15.0	10.1	69	<0.1	16.3	6.6	359	3.12	6.2	0.6	0.9	6.3	14	<0.1	0.3	0.1	46	0.16	0.022
25600 88150	Soil	0.8	7.3	7.0	66	<0.1	10.5	12.0	767	4.27	3.2	0.4	1.0	2.2	14	<0.1	0.2	<0.1	86	0.38	0.069
25600 88200	Soil	0.9	29.2	13.3	96	<0.1	9.4	17.6	1049	4.78	2.3	0.6	2.2	3.3	14	<0.1	0.4	<0.1	156	0.30	0.063



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25500 88800	Soil	9	41	1.06	282	0.113	<1	1.84	0.018	0.22	<0.1	0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
25500 88850	Soil	13	33	0.75	243	0.100	<1	1.62	0.013	0.15	0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
25500 88900	Soil	11	25	0.82	310	0.110	<1	1.72	0.011	0.35	0.1	0.01	6.2	0.1	<0.05	7	<0.5	<0.2
25500 88950	Soil	17	31	0.87	466	0.096	<1	1.68	0.013	0.27	0.1	0.01	6.9	0.1	<0.05	7	<0.5	<0.2
25500 89050	Soil	40	7	0.31	303	0.008	<1	1.27	0.006	0.33	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	0.2
25500 89100	Soil	20	16	0.27	334	0.050	1	1.43	0.008	0.38	0.1	<0.01	2.8	0.2	<0.05	5	<0.5	<0.2
25500 89150	Soil	23	30	0.39	457	0.061	<1	1.51	0.015	0.14	0.1	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
25500 89200	Soil	16	30	0.36	255	0.047	<1	1.60	0.011	0.11	<0.1	0.02	3.1	0.1	<0.05	4	<0.5	<0.2
25500 89250	Soil	18	28	0.33	418	0.038	1	1.67	0.009	0.13	0.1	0.02	3.5	0.1	<0.05	5	<0.5	0.2
25500 89300	Soil	11	39	0.44	358	0.063	2	1.87	0.012	0.08	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
25500 89350	Soil	18	23	0.27	398	0.040	<1	1.19	0.008	0.14	0.1	0.01	2.6	0.1	<0.05	5	<0.5	<0.2
25500 89400	Soil	21	28	0.37	493	0.049	<1	1.44	0.015	0.10	0.1	0.02	3.9	<0.1	<0.05	4	<0.5	0.6
25500 89450	Soil	19	26	0.37	469	0.050	<1	1.31	0.010	0.10	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	0.2
25500 89500	Soil	14	33	0.44	434	0.049	<1	2.25	0.008	0.11	0.2	0.02	3.9	0.2	<0.05	6	<0.5	0.2
25500 89550	Soil	13	26	0.37	276	0.046	<1	2.03	0.008	0.28	0.1	0.02	3.5	0.2	<0.05	5	<0.5	<0.2
25500 89600	Soil	14	17	0.64	435	0.051	<1	2.98	0.007	0.39	0.2	0.04	4.4	0.4	<0.05	7	<0.5	1.6
25500 89650	Soil	9	30	0.44	189	0.088	<1	1.70	0.011	0.12	0.2	0.02	2.9	0.1	<0.05	7	<0.5	<0.2
25500 89700	Soil	13	12	0.14	215	0.031	<1	1.05	0.007	0.25	<0.1	<0.01	1.3	0.2	<0.05	6	<0.5	<0.2
25500 89800	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25500 89850	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
25500 89900	Soil	66	89	0.64	680	0.044	<1	1.79	0.013	0.10	0.1	0.03	7.3	0.1	<0.05	5	<0.5	<0.2
25600 87800	Soil	12	29	0.92	269	0.107	<1	1.83	0.009	0.44	0.1	<0.01	3.2	0.2	<0.05	5	<0.5	<0.2
25600 87850	Soil	25	17	0.30	239	0.055	<1	1.36	0.060	0.29	<0.1	<0.01	2.2	0.2	0.33	4	<0.5	0.2
25600 87900	Soil	9	34	1.43	300	0.128	<1	2.13	0.015	0.40	<0.1	0.02	5.0	0.2	<0.05	6	<0.5	<0.2
25600 87950	Soil	14	10	0.54	181	0.071	<1	1.51	0.012	0.44	<0.1	<0.01	3.6	0.2	<0.05	6	<0.5	<0.2
25600 88000	Soil	13	29	0.69	396	0.091	<1	1.72	0.009	0.41	0.1	0.01	3.5	0.1	<0.05	5	<0.5	<0.2
25600 88050	Soil	24	14	0.77	234	0.076	<1	1.65	0.010	0.24	<0.1	0.02	4.7	0.2	<0.05	7	<0.5	<0.2
25600 88100	Soil	9	22	0.77	138	0.102	<1	1.94	0.009	0.31	0.1	<0.01	3.7	0.2	<0.05	8	<0.5	<0.2
25600 88150	Soil	4	14	1.00	215	0.206	<1	1.96	0.017	0.69	<0.1	<0.01	5.7	0.1	<0.05	7	<0.5	<0.2
25600 88200	Soil	13	18	1.81	196	0.097	<1	2.78	0.016	0.37	<0.1	0.01	15.0	0.1	<0.05	10	<0.5	<0.2



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
25600 88250	Soil	1.7	20.5	13.7	88	<0.1	22.8	17.4	1206	5.69	5.2	0.8	15.1	3.3	14	<0.1	0.4	<0.1	105	0.20	0.047
25600 88300	Soil	0.2	5.1	4.0	120	<0.1	5.5	22.4	385	3.81	4.2	0.3	0.9	1.9	10	<0.1	<0.1	<0.1	96	0.34	0.122
25600 88350	Soil	1.3	22.1	5.8	88	<0.1	10.5	15.5	376	3.77	2.0	0.4	1.7	2.2	22	<0.1	<0.1	<0.1	75	0.46	0.117
25600 88400	Soil	0.4	33.1	3.6	95	<0.1	4.1	17.5	375	3.62	2.0	0.5	0.8	2.3	15	<0.1	<0.1	<0.1	80	0.68	0.268
25600 88450	Soil	1.4	24.1	7.9	93	<0.1	12.0	12.7	577	3.83	4.9	0.4	2.6	1.9	21	<0.1	0.2	<0.1	69	0.29	0.045
25600 88500	Soil	0.8	29.6	4.7	79	<0.1	9.1	15.1	434	3.75	1.9	0.2	1.7	1.2	18	<0.1	0.1	<0.1	96	0.43	0.102
25600 88550	Soil	0.8	22.1	6.9	72	<0.1	13.1	11.5	393	3.38	4.0	0.4	3.0	2.9	17	<0.1	0.3	<0.1	77	0.33	0.078
25600 88600	Soil	0.5	20.4	9.0	52	<0.1	25.0	8.6	314	2.44	4.7	0.6	1.8	3.5	25	0.1	0.3	<0.1	56	0.46	0.105
25600 88650	Soil	0.7	24.7	8.7	75	<0.1	21.1	11.9	365	3.04	4.7	0.4	<0.5	2.4	19	0.1	0.2	<0.1	69	0.42	0.096
25600 88700	Soil	0.7	29.7	12.1	99	<0.1	21.3	12.3	462	3.09	4.4	0.5	2.9	2.4	19	<0.1	0.2	<0.1	82	0.35	0.064
25600 88750	Soil	0.8	21.5	9.9	66	<0.1	17.8	9.0	388	2.75	5.5	0.7	4.3	3.1	19	0.1	0.3	0.1	60	0.30	0.056
25600 88800	Soil	0.7	13.2	7.9	74	<0.1	14.5	9.9	313	2.91	4.1	0.4	1.5	2.4	16	<0.1	0.2	<0.1	67	0.35	0.093
25600 88850	Soil	1.0	29.9	10.0	143	<0.1	16.0	13.9	868	4.36	2.8	0.4	1.3	2.4	17	0.2	0.2	<0.1	118	0.42	0.108
25600 89100	Soil	2.7	68.9	10.6	82	<0.1	18.3	7.2	332	3.14	8.9	1.1	1.9	5.9	19	0.2	0.5	0.3	49	0.20	0.021
25600 89150	Soil	3.2	107.0	17.1	96	0.1	12.9	9.4	1278	3.11	5.3	1.2	2.6	7.9	37	0.3	0.5	0.6	35	0.51	0.047
25600 89200	Soil	1.4	108.3	9.2	74	<0.1	13.6	7.6	416	3.14	8.1	1.0	1.8	7.7	19	0.2	0.4	0.6	43	0.21	0.022
25600 89250	Soil	1.7	208.1	17.0	198	0.2	6.6	7.2	475	4.95	2.1	1.1	2.2	8.0	23	0.2	0.2	0.5	47	0.17	0.033
25600 89300	Soil	1.1	210.7	6.2	127	<0.1	5.0	6.2	379	2.98	2.5	0.7	1.3	9.5	29	<0.1	0.2	0.2	28	0.23	0.050
25600 89350	Soil	1.4	142.9	9.1	115	<0.1	6.1	5.8	375	3.33	2.1	1.2	1.2	10.1	13	<0.1	0.2	<0.1	40	0.17	0.020
25600 89400	Soil	1.2	76.9	9.6	65	0.3	13.1	8.8	623	3.10	5.5	0.6	<0.5	6.3	23	0.2	0.3	0.2	45	0.27	0.047
25600 89450	Soil	0.9	90.6	14.0	197	<0.1	15.0	10.0	452	4.99	3.6	0.9	0.8	6.2	20	0.2	0.2	0.1	68	0.32	0.061
25600 89500	Soil	4.0	93.2	13.9	84	0.2	18.4	6.5	484	2.74	6.0	0.7	46.2	4.8	29	0.2	0.7	0.4	47	0.47	0.032
25600 89550	Soil	3.0	58.9	12.2	61	0.9	25.3	9.6	369	3.05	8.6	0.7	71.2	4.5	20	0.3	0.6	0.3	68	0.25	0.030
25600 89700	Soil	2.6	45.3	12.1	73	0.5	20.7	11.6	396	3.05	8.9	1.2	56.3	5.2	18	0.2	0.6	0.2	64	0.17	0.025
25600 89900	Soil	2.1	72.1	50.9	279	0.1	13.1	12.5	499	4.14	4.2	0.6	9.0	3.9	19	0.3	0.3	1.3	77	0.22	0.044



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25600 88250	Soil	12	35	1.09	410	0.089	2	2.32	0.009	0.48	0.1	0.02	17.2	0.2	<0.05	7	<0.5	<0.2
25600 88300	Soil	8	10	2.23	279	0.157	<1	2.51	0.011	0.58	<0.1	<0.01	11.6	0.3	<0.05	11	<0.5	<0.2
25600 88350	Soil	10	18	1.32	329	0.109	<1	2.31	0.009	0.48	<0.1	<0.01	6.8	0.3	<0.05	8	<0.5	<0.2
25600 88400	Soil	12	6	1.71	276	0.121	<1	2.03	0.013	0.49	<0.1	<0.01	10.2	0.2	<0.05	10	<0.5	<0.2
25600 88450	Soil	12	23	1.20	271	0.257	<1	2.56	0.009	0.64	<0.1	0.01	2.5	0.3	<0.05	5	<0.5	<0.2
25600 88500	Soil	5	16	1.26	313	0.198	<1	2.31	0.017	0.80	<0.1	<0.01	3.0	0.3	<0.05	6	<0.5	<0.2
25600 88550	Soil	10	25	0.98	210	0.127	<1	1.96	0.020	0.29	0.1	<0.01	6.0	0.1	<0.05	6	<0.5	<0.2
25600 88600	Soil	12	34	0.72	203	0.079	<1	1.23	0.021	0.10	0.1	0.01	4.7	<0.1	<0.05	4	<0.5	<0.2
25600 88650	Soil	10	32	0.94	180	0.122	1	1.86	0.019	0.14	0.1	<0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
25600 88700	Soil	10	34	1.00	229	0.169	<1	1.91	0.022	0.17	0.1	0.02	4.4	0.2	<0.05	7	<0.5	<0.2
25600 88750	Soil	14	31	0.71	264	0.116	1	1.67	0.015	0.11	0.2	0.02	4.7	0.1	<0.05	6	<0.5	<0.2
25600 88800	Soil	10	25	0.87	176	0.125	<1	1.62	0.018	0.13	0.1	0.01	3.9	<0.1	<0.05	7	<0.5	<0.2
25600 88850	Soil	10	32	1.32	324	0.142	<1	2.11	0.016	0.46	<0.1	0.02	8.0	0.1	<0.05	8	<0.5	<0.2
25600 89100	Soil	17	29	0.50	243	0.069	2	1.85	0.011	0.22	0.1	0.02	3.2	0.1	0.06	6	<0.5	<0.2
25600 89150	Soil	23	19	0.38	459	0.056	2	1.60	0.019	0.30	0.2	0.02	3.4	0.2	<0.05	6	<0.5	0.2
25600 89200	Soil	19	22	0.59	246	0.094	<1	1.91	0.012	0.30	0.3	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
25600 89250	Soil	18	11	0.77	331	0.243	<1	2.92	0.013	0.96	0.3	<0.01	5.0	0.7	<0.05	10	<0.5	0.3
25600 89300	Soil	23	9	0.55	349	0.173	<1	2.07	0.009	0.62	<0.1	<0.01	2.8	0.4	<0.05	7	<0.5	0.4
25600 89350	Soil	14	10	0.63	238	0.173	<1	2.57	0.010	0.55	<0.1	<0.01	3.4	0.4	<0.05	8	<0.5	<0.2
25600 89400	Soil	13	19	0.49	372	0.089	1	2.11	0.021	0.37	0.1	<0.01	2.9	0.2	<0.05	7	<0.5	<0.2
25600 89450	Soil	14	35	1.00	342	0.236	<1	3.12	0.013	0.51	<0.1	0.01	3.9	0.3	<0.05	11	<0.5	0.2
25600 89500	Soil	14	26	0.42	422	0.044	2	1.93	0.015	0.08	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
25600 89550	Soil	13	35	0.51	465	0.069	1	2.35	0.014	0.09	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
25600 89700	Soil	14	35	0.48	309	0.072	2	2.34	0.013	0.07	0.1	0.06	5.1	0.1	<0.05	6	<0.5	<0.2
25600 89900	Soil	9	19	0.79	294	0.121	<1	2.58	0.008	0.36	0.2	0.02	4.1	0.3	<0.05	7	<0.5	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
25200 88050	Soil	1.9	17.3	7.6	78	<0.1	11.6	10.7	498	3.02	7.3	0.5	2.3	2.0	30	<0.1	0.3	0.1	55	0.61	0.082
REP 25200 88050	QC	2.1	17.5	7.9	80	<0.1	13.7	11.3	549	3.14	7.6	0.5	3.9	2.1	30	<0.1	0.3	<0.1	55	0.65	0.083
25200 89600	Soil	3.0	38.2	16.0	92	0.2	14.1	6.5	338	2.71	5.3	0.8	63.5	5.3	26	0.2	0.4	0.3	49	0.24	0.028
REP 25200 89600	QC	2.9	37.7	15.9	88	0.1	13.3	6.7	336	2.70	5.4	0.9	28.2	5.5	27	0.3	0.4	0.3	51	0.25	0.025
25900 88450	Soil	0.7	15.2	6.1	103	0.1	12.5	13.0	527	3.94	4.2	0.3	<0.5	2.3	21	0.1	0.3	0.1	66	0.40	0.115
REP 25900 88450	QC	0.7	14.6	5.9	101	0.1	13.3	12.5	529	3.86	4.3	0.3	0.7	2.3	22	0.1	0.3	0.1	65	0.39	0.113
25900 89400	Soil	1.0	19.8	7.9	55	<0.1	18.1	8.3	285	3.09	5.1	0.6	1.3	9.9	25	<0.1	0.3	<0.1	42	0.21	0.036
REP 25900 89400	QC	0.9	18.3	7.6	53	<0.1	17.0	7.8	267	2.96	4.6	0.6	2.6	9.9	25	<0.1	0.3	<0.1	43	0.21	0.034
25100 88250	Soil	0.9	25.6	5.2	91	<0.1	10.3	13.9	659	3.54	2.4	0.3	<0.5	1.2	47	0.1	0.2	<0.1	77	0.69	0.130
REP 25100 88250	QC	0.9	27.4	5.2	103	<0.1	11.6	14.7	712	3.91	2.5	0.3	1.8	1.2	45	0.1	0.2	<0.1	86	0.69	0.129
25100 88750	Soil	2.4	39.5	15.5	108	0.1	44.9	16.6	688	5.64	4.3	1.4	1.8	6.7	38	0.4	0.3	0.2	71	0.91	0.145
REP 25100 88750	QC	2.1	37.5	14.2	108	0.1	42.0	15.1	628	5.19	3.8	1.4	0.7	6.3	36	0.4	0.3	0.2	67	0.85	0.143
25100 89550	Soil	2.6	25.3	14.0	58	0.1	20.0	8.0	201	2.88	7.3	0.6	4.7	2.3	34	0.1	0.3	0.3	61	0.44	0.046
REP 25100 89550	QC	2.8	26.1	14.6	59	0.1	21.3	8.1	205	2.90	7.3	0.7	3.3	2.5	35	0.1	0.3	0.3	63	0.47	0.044
26000 89000	Soil	1.4	33.6	8.5	55	<0.1	31.7	14.1	232	3.03	6.5	0.6	4.6	2.4	18	<0.1	0.3	0.1	69	0.22	0.034
REP 26000 89000	QC	1.4	35.1	8.7	56	0.1	32.8	14.4	235	3.10	6.9	0.5	2.2	2.4	20	0.1	0.3	0.1	71	0.22	0.034
26000 89400	Soil	0.9	17.4	10.8	46	<0.1	15.0	7.5	320	2.93	5.0	0.5	1.4	5.9	39	0.1	0.3	<0.1	50	0.19	0.035
REP 26000 89400	QC	0.9	18.2	10.3	45	<0.1	14.7	7.7	316	2.89	5.0	0.5	0.8	5.4	39	0.1	0.3	<0.1	49	0.18	0.033
25500 88200	Soil	0.7	12.3	9.7	76	<0.1	6.7	4.1	387	2.53	4.3	0.4	<0.5	3.8	14	<0.1	0.1	<0.1	23	0.19	0.023
REP 25500 88200	QC	0.8	12.2	8.4	87	<0.1	6.5	4.1	417	2.64	4.4	0.5	1.8	3.8	15	<0.1	0.2	<0.1	23	0.20	0.023
25500 88950	Soil	1.2	29.8	7.7	102	0.1	18.7	8.7	512	3.17	2.9	1.0	5.6	2.5	21	0.1	0.2	0.1	53	0.42	0.083
REP 25500 88950	QC	1.3	30.1	7.5	102	<0.1	18.9	9.1	516	3.24	3.1	1.0	5.6	2.6	22	0.2	0.2	0.1	55	0.43	0.084
25600 88350	Soil	1.3	22.1	5.8	88	<0.1	10.5	15.5	376	3.77	2.0	0.4	1.7	2.2	22	<0.1	<0.1	<0.1	75	0.46	0.117
REP 25600 88350	QC	1.4	23.0	6.1	91	<0.1	10.6	16.2	400	4.00	2.1	0.4	1.1	2.3	24	<0.1	<0.1	<0.1	80	0.48	0.126
25600 88750	Soil	0.8	21.5	9.9	66	<0.1	17.8	9.0	388	2.75	5.5	0.7	4.3	3.1	19	0.1	0.3	0.1	60	0.30	0.056
REP 25600 88750	QC	0.9	21.6	9.7	67	<0.1	18.7	9.3	386	2.82	5.7	0.7	2.4	3.2	20	0.1	0.3	0.1	62	0.32	0.058
Reference Materials																					
STD DS7	Standard	21.1	106.5	64.5	389	1.0	56.9	10.2	656	2.47	50.8	4.7	76.6	4.4	69	6.3	6.0	4.6	88	0.93	0.081



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QUALITY CONTROL REPORT

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
25200 88050	Soil	8	17	0.73	293	0.104	<1	1.78	0.012	0.26	0.1	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
REP 25200 88050	QC	8	17	0.74	311	0.106	2	1.81	0.013	0.25	0.1	0.02	2.5	0.2	<0.05	6	0.5	<0.2
25200 89600	Soil	20	21	0.44	281	0.061	<1	1.70	0.010	0.10	<0.1	0.01	3.3	0.1	<0.05	6	<0.5	<0.2
REP 25200 89600	QC	21	23	0.45	293	0.062	<1	1.72	0.010	0.10	<0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
25900 88450	Soil	8	21	1.18	258	0.115	<1	2.35	0.011	0.28	<0.1	0.01	7.7	0.1	<0.05	10	<0.5	<0.2
REP 25900 88450	QC	8	22	1.18	255	0.117	<1	2.36	0.009	0.28	<0.1	0.01	7.4	<0.1	<0.05	10	<0.5	<0.2
25900 89400	Soil	19	27	0.55	266	0.055	<1	2.32	0.008	0.16	<0.1	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
REP 25900 89400	QC	19	26	0.56	267	0.051	<1	2.30	0.008	0.17	<0.1	0.01	3.5	0.1	<0.05	7	<0.5	<0.2
25100 88250	Soil	9	22	1.38	479	0.231	1	2.16	0.015	0.62	<0.1	<0.01	1.9	0.2	<0.05	7	<0.5	<0.2
REP 25100 88250	QC	10	23	1.59	507	0.256	1	2.39	0.015	0.73	0.1	<0.01	1.9	0.2	<0.05	7	<0.5	<0.2
25100 88750	Soil	27	58	1.68	708	0.026	1	2.91	0.011	0.22	<0.1	0.01	9.2	<0.1	<0.05	8	<0.5	0.3
REP 25100 88750	QC	27	53	1.58	669	0.023	2	2.82	0.011	0.21	<0.1	0.02	8.2	<0.1	<0.05	7	<0.5	<0.2
25100 89550	Soil	14	37	0.57	309	0.053	<1	1.75	0.011	0.07	0.2	0.02	3.0	0.1	<0.05	7	<0.5	<0.2
REP 25100 89550	QC	14	38	0.56	309	0.053	1	1.72	0.010	0.08	0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
26000 89000	Soil	9	50	0.78	246	0.090	<1	2.51	0.011	0.08	<0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
REP 26000 89000	QC	9	51	0.82	259	0.092	<1	2.65	0.013	0.07	0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
26000 89400	Soil	9	31	0.67	298	0.077	<1	2.12	0.009	0.19	<0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
REP 26000 89400	QC	9	31	0.65	300	0.072	<1	2.11	0.009	0.18	<0.1	0.03	3.3	0.1	<0.05	7	<0.5	<0.2
25500 88200	Soil	4	8	0.83	122	0.152	<1	2.04	0.008	0.45	0.1	<0.01	1.7	0.3	<0.05	7	<0.5	<0.2
REP 25500 88200	QC	5	9	0.88	126	0.172	2	2.19	0.008	0.48	0.2	0.01	1.8	0.3	<0.05	8	0.6	<0.2
25500 88950	Soil	17	31	0.87	466	0.096	<1	1.68	0.013	0.27	0.1	0.01	6.9	0.1	<0.05	7	<0.5	<0.2
REP 25500 88950	QC	16	32	0.90	470	0.095	<1	1.71	0.013	0.27	0.1	0.02	7.0	0.1	<0.05	8	<0.5	<0.2
25600 88350	Soil	10	18	1.32	329	0.109	<1	2.31	0.009	0.48	<0.1	<0.01	6.8	0.3	<0.05	8	<0.5	<0.2
REP 25600 88350	QC	11	19	1.36	345	0.125	<1	2.37	0.010	0.50	<0.1	<0.01	7.0	0.3	<0.05	9	<0.5	<0.2
25600 88750	Soil	14	31	0.71	264	0.116	1	1.67	0.015	0.11	0.2	0.02	4.7	0.1	<0.05	6	<0.5	<0.2
REP 25600 88750	QC	15	32	0.74	271	0.128	1	1.74	0.017	0.12	0.2	0.03	5.0	0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	13	204	1.08	402	0.117	40	1.08	0.092	0.48	3.7	0.22	2.3	4.1	0.18	5	3.6	1.3



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Project: Mariposa

Report Date: July 23, 2010

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QUALITY CONTROL REPORT

WHI10000077.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS7	Standard	20.0	102.1	64.9	396	1.0	53.3	9.6	619	2.36	52.5	4.4	78.5	4.0	71	6.0	5.9	4.6	82	0.85	0.076
STD DS7	Standard	20.2	118.5	77.7	431	1.0	57.1	9.8	664	2.56	54.7	4.9	72.6	5.0	80	6.6	6.5	5.2	90	0.96	0.084
STD DS7	Standard	20.4	113.8	69.2	406	0.9	57.7	9.5	643	2.45	53.5	4.8	73.9	4.6	71	6.3	5.9	4.8	84	0.94	0.079
STD DS7	Standard	20.0	101.5	67.4	384	1.0	51.6	8.8	596	2.29	50.8	4.7	65.7	4.6	68	5.8	5.5	4.5	81	0.88	0.077
STD DS7	Standard	20.6	108.4	68.0	399	1.1	54.6	9.4	636	2.38	52.7	4.8	65.7	4.5	69	6.4	5.9	4.3	86	0.93	0.076
STD DS7	Standard	21.1	103.0	67.2	403	1.0	55.8	9.4	646	2.42	52.7	4.6	79.4	4.9	78	6.4	5.9	4.5	86	0.96	0.079
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa

Report Date: July 23, 2010

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QUALITY CONTROL REPORT

WHI10000077.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS7	Standard	12	184	1.04	414	0.118	42	1.00	0.100	0.44	3.7	0.20	2.2	4.4	0.17	5	3.9	1.8
STD DS7	Standard	14	197	1.12	409	0.131	39	1.11	0.099	0.50	3.7	0.23	2.4	4.2	0.20	5	3.2	2.2
STD DS7	Standard	13	197	1.04	409	0.111	39	1.02	0.101	0.47	3.8	0.23	2.6	4.1	0.19	5	2.7	0.4
STD DS7	Standard	12	183	1.03	392	0.107	36	0.99	0.097	0.44	3.6	0.22	2.5	3.9	0.17	5	3.2	1.1
STD DS7	Standard	12	192	1.06	395	0.124	39	0.99	0.093	0.48	3.8	0.24	2.5	4.0	0.20	5	3.4	1.0
STD DS7	Standard	14	200	1.08	424	0.121	42	1.07	0.100	0.50	3.9	0.22	2.8	4.1	0.19	5	3.4	1.0
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: July 12, 2010

Report Date: July 27, 2010

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CERTIFICATE OF ANALYSIS

WHI10000092.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-3
P.O. Number
Number of Samples: 224

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
TRTN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
Michael Renning
John Brock

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	224	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	224	Dry at 60C			WHI
RJSV	224	Saving all or part of Soil Reject			WHI
1DX2	223	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
Report Date: July 27, 2010

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CERTIFICATE OF ANALYSIS

WHI10000092.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25300 87750	Soil	1.4	8.2	10.2	31	<0.1	4.6	3.8	121	1.92	2.7	1.4	<0.5	6.1	33	<0.1	0.2	<0.1	17	0.15	0.025
25300 87800	Soil	2.8	43.1	15.0	46	<0.1	15.7	7.9	312	3.07	15.2	1.9	2.8	13.4	64	<0.1	0.7	0.1	33	0.27	0.035
25300 87900	Soil	3.2	16.8	12.8	55	<0.1	14.7	9.6	322	3.13	7.1	0.5	0.9	2.5	22	<0.1	0.4	0.1	51	0.31	0.047
25300 87950	Soil	5.7	23.3	26.5	70	0.4	23.6	5.9	134	3.25	47.7	1.3	0.7	9.1	41	0.1	1.4	0.3	31	0.22	0.035
25300 88000	Soil	2.8	39.9	9.0	81	<0.1	16.1	16.3	507	3.99	4.5	0.6	2.5	1.8	39	<0.1	0.3	<0.1	72	0.81	0.134
25300 88050	Soil	1.6	25.8	6.1	68	<0.1	18.3	14.6	335	3.45	7.8	0.5	1.0	2.7	22	<0.1	0.4	<0.1	68	0.33	0.018
25300 88100	Soil	0.9	27.2	7.4	83	<0.1	16.0	13.9	1007	3.79	6.0	0.8	5.2	3.2	30	0.2	0.3	0.1	69	0.69	0.119
25300 88100A	Soil	0.8	28.9	7.0	89	<0.1	13.6	14.4	435	3.64	4.0	0.5	1.9	2.3	24	0.1	0.2	<0.1	80	0.47	0.099
25300 88150	Soil	1.0	24.5	9.8	69	0.1	16.3	12.3	472	3.58	5.4	1.0	21.0	4.2	27	<0.1	0.4	0.1	70	0.49	0.053
25300 88200	Soil	2.3	15.3	15.2	53	0.2	11.1	6.7	363	2.78	5.5	0.6	1.8	3.9	21	<0.1	0.4	0.2	59	0.31	0.019
25300 88250	Soil	0.9	26.3	5.6	104	<0.1	16.4	18.9	682	4.73	4.3	0.4	7.4	3.2	15	<0.1	0.2	<0.1	138	0.33	0.074
25300 88300	Soil	1.0	22.1	7.1	68	<0.1	18.0	12.6	391	3.32	7.2	0.6	8.6	3.5	16	<0.1	0.4	0.1	85	0.20	0.022
25300 88350	Soil	1.7	34.4	7.3	76	<0.1	15.5	11.5	528	3.65	7.8	0.5	2.1	2.8	15	<0.1	0.4	<0.1	82	0.22	0.046
25300 88400	Soil	2.4	21.0	8.4	69	<0.1	24.5	12.5	326	3.51	6.6	0.4	0.7	2.2	21	<0.1	0.3	0.1	81	0.33	0.049
25300 88450	Soil	0.9	21.7	6.6	76	<0.1	25.4	14.4	408	3.66	4.5	0.4	3.3	2.3	22	<0.1	0.2	<0.1	82	0.46	0.092
25300 88500	Soil	1.0	16.1	6.5	69	<0.1	21.1	11.6	333	3.16	4.4	0.4	11.0	2.1	20	<0.1	0.2	<0.1	64	0.37	0.085
25300 88650	Soil	0.7	28.1	8.7	78	<0.1	16.2	12.2	422	3.17	5.4	0.5	1.2	2.4	23	0.1	0.2	<0.1	75	0.42	0.076
25300 88750	Soil	1.3	31.9	9.2	148	<0.1	11.3	20.8	605	4.68	1.9	0.6	1.0	2.1	15	<0.1	0.1	<0.1	116	0.59	0.166
25300 88800	Soil	2.1	43.4	20.3	113	0.1	12.2	19.4	665	4.45	4.2	1.4	2.1	2.9	40	0.1	0.2	0.1	92	0.73	0.087
25300 88850	Soil	2.3	27.3	30.1	109	0.1	12.4	11.7	466	3.46	4.7	0.7	9.9	2.7	38	0.2	0.2	0.2	77	0.58	0.052
25300 88900	Soil	2.2	57.2	44.8	126	0.2	17.1	12.9	525	3.59	5.8	2.3	8.5	5.1	33	0.3	0.4	0.3	78	0.56	0.052
25300 89000	Soil	2.2	40.6	15.5	98	0.3	17.6	12.1	717	3.25	6.4	0.9	43.5	3.9	26	0.3	0.3	0.3	65	0.49	0.032
25300 89050	Soil	1.8	29.1	13.0	160	0.3	14.5	15.8	926	5.69	7.1	1.1	9.7	6.0	54	0.4	0.3	<0.1	116	0.70	0.092
25300 89100	Soil	4.3	176.9	25.3	152	0.2	20.3	14.2	986	4.28	5.1	0.8	14.0	5.1	27	0.4	0.3	0.7	79	0.58	0.055
25300 89150	Soil	2.1	34.7	19.8	93	0.2	21.5	10.2	511	3.15	6.0	0.7	18.8	5.6	24	0.2	0.4	0.2	64	0.50	0.029
25300 89200	Soil	2.6	38.6	14.8	87	0.3	24.6	12.5	719	3.56	7.2	1.0	23.3	6.1	29	0.2	0.5	0.2	73	0.68	0.045
25300 89250	Soil	6.3	26.6	22.8	60	0.3	25.5	9.3	405	3.27	8.3	0.8	86.7	5.3	24	0.2	0.5	0.2	62	0.34	0.023
25300 89300	Soil	2.2	23.3	14.5	76	0.2	29.7	10.3	502	3.63	11.5	0.6	<0.5	4.0	25	0.3	0.5	0.2	77	0.31	0.042
25300 89350	Soil	1.8	23.6	14.8	92	0.2	21.0	9.8	776	3.26	9.2	0.7	1.5	7.0	22	0.3	0.5	0.2	60	0.27	0.045
25300 89400	Soil	4.5	35.3	21.8	100	0.2	18.4	13.3	1033	4.48	5.8	0.7	35.0	4.9	30	0.2	0.5	0.4	80	0.32	0.037



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Project: Mariposa
Report Date: July 27, 2010

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25300 87750	Soil	12	8	0.28	94	0.041	<1	1.14	0.009	0.15	<0.1	<0.01	1.2	0.1	<0.05	3	<0.5	<0.2
25300 87800	Soil	38	17	0.73	248	0.070	<1	1.53	0.015	0.30	0.1	<0.01	2.4	0.2	0.05	3	0.5	<0.2
25300 87900	Soil	8	21	0.63	195	0.052	<1	1.98	0.011	0.10	<0.1	<0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
25300 87950	Soil	20	23	0.35	188	0.018	<1	1.21	0.022	0.14	<0.1	<0.01	1.8	<0.1	<0.05	4	0.8	<0.2
25300 88000	Soil	6	20	1.14	333	0.138	<1	2.29	0.021	0.33	<0.1	0.01	3.4	0.2	<0.05	6	<0.5	<0.2
25300 88050	Soil	13	26	1.00	213	0.151	<1	2.17	0.013	0.31	<0.1	<0.01	2.9	0.2	<0.05	6	<0.5	<0.2
25300 88100	Soil	11	24	0.88	380	0.141	<1	2.00	0.019	0.51	0.1	0.02	4.8	0.2	<0.05	7	<0.5	<0.2
25300 88100A	Soil	10	23	0.99	307	0.161	<1	2.00	0.019	0.31	0.1	<0.01	3.7	0.1	<0.05	7	<0.5	<0.2
25300 88150	Soil	17	26	0.94	395	0.103	1	1.96	0.025	0.18	0.2	0.03	4.7	<0.1	<0.05	7	<0.5	<0.2
25300 88200	Soil	13	21	0.43	280	0.080	2	1.21	0.011	0.16	0.1	0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
25300 88250	Soil	10	34	2.01	263	0.205	<1	2.60	0.013	0.61	<0.1	<0.01	8.3	0.4	<0.05	10	<0.5	<0.2
25300 88300	Soil	13	29	0.97	213	0.122	<1	1.84	0.013	0.16	0.1	0.02	6.6	0.1	<0.05	6	<0.5	<0.2
25300 88350	Soil	8	26	0.95	182	0.150	1	1.98	0.010	0.31	0.1	0.01	6.4	0.2	<0.05	8	<0.5	<0.2
25300 88400	Soil	9	41	0.89	220	0.135	1	2.11	0.014	0.07	0.2	0.02	4.0	<0.1	<0.05	8	<0.5	<0.2
25300 88450	Soil	11	39	1.08	296	0.116	<1	2.04	0.012	0.11	0.1	0.01	5.4	0.1	<0.05	8	<0.5	0.2
25300 88500	Soil	9	34	0.94	244	0.113	<1	1.71	0.019	0.11	0.1	<0.01	3.6	<0.1	<0.05	6	<0.5	<0.2
25300 88650	Soil	10	28	0.83	245	0.145	1	1.88	0.017	0.11	0.1	0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
25300 88750	Soil	11	22	1.56	374	0.193	<1	2.36	0.021	0.65	<0.1	<0.01	8.5	0.2	<0.05	10	<0.5	<0.2
25300 88800	Soil	13	20	1.14	205	0.187	<1	2.44	0.017	0.42	0.1	0.01	5.3	0.2	<0.05	8	<0.5	<0.2
25300 88850	Soil	9	21	0.82	193	0.153	<1	2.04	0.015	0.33	0.1	<0.01	3.3	0.2	<0.05	7	<0.5	<0.2
25300 88900	Soil	18	28	0.84	287	0.156	1	2.20	0.016	0.20	0.1	0.03	5.5	0.2	<0.05	7	<0.5	0.2
25300 89000	Soil	13	28	0.75	284	0.111	1	1.84	0.014	0.20	0.1	0.02	4.3	0.1	<0.05	7	<0.5	<0.2
25300 89050	Soil	14	26	1.67	416	0.274	<1	3.29	0.012	1.23	0.2	0.01	7.5	0.7	<0.05	12	<0.5	0.2
25300 89100	Soil	16	49	1.07	328	0.115	<1	2.31	0.012	0.21	<0.1	0.01	5.1	0.2	<0.05	10	<0.5	0.7
25300 89150	Soil	15	36	0.68	297	0.116	1	1.71	0.018	0.13	0.1	<0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
25300 89200	Soil	28	41	0.82	427	0.114	2	2.16	0.020	0.10	0.2	0.03	6.6	0.1	<0.05	7	0.5	<0.2
25300 89250	Soil	18	37	0.51	359	0.076	<1	1.86	0.011	0.08	0.1	0.03	4.0	<0.1	<0.05	6	<0.5	<0.2
25300 89300	Soil	11	47	0.71	299	0.116	2	2.18	0.011	0.18	<0.1	0.01	3.6	0.1	<0.05	7	<0.5	<0.2
25300 89350	Soil	9	33	0.55	274	0.079	<1	2.07	0.009	0.16	0.2	0.01	2.9	0.1	<0.05	7	<0.5	0.2
25300 89400	Soil	9	30	0.55	397	0.025	<1	2.56	0.009	0.15	<0.1	<0.01	7.2	0.1	<0.05	7	<0.5	0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25300 89450	Soil	1.9	23.2	13.1	60	<0.1	32.3	8.6	222	2.92	11.3	0.7	4.0	8.5	19	0.2	0.5	0.2	61	0.14	0.014
25300 89500	Soil	2.5	46.8	12.1	60	0.3	27.2	12.7	464	3.31	11.8	1.9	43.9	7.3	17	<0.1	0.7	0.2	72	0.16	0.028
25300 89550	Soil	5.1	36.6	25.7	94	0.3	16.9	6.4	293	2.77	7.8	0.9	23.3	4.8	27	0.3	0.5	0.3	63	0.33	0.020
25300 89600	Soil	6.6	77.4	28.9	155	0.1	16.4	9.0	488	3.15	8.0	1.0	69.5	4.8	31	0.5	0.7	0.5	54	0.25	0.028
25300 89700	Soil	1.3	63.9	12.6	75	0.2	168.1	28.5	926	5.02	4.6	1.0	4.3	10.9	166	0.1	0.3	0.1	114	1.80	0.579
25300 89750	Soil	2.1	24.5	22.5	69	0.2	23.1	9.9	328	3.60	8.9	0.6	10.1	4.7	19	0.2	0.5	0.3	75	0.23	0.035
25300 89800	Soil	3.3	36.7	13.6	72	<0.1	21.1	9.6	345	3.90	9.7	1.0	23.0	7.9	17	0.1	0.5	0.2	72	0.20	0.042
25300 89950	Soil	3.6	31.3	13.8	79	0.5	17.9	7.9	355	3.00	8.2	1.4	8.2	6.6	39	0.9	0.5	0.2	54	0.39	0.091
25400 87750	Soil	1.5	14.9	8.6	97	<0.1	8.9	10.4	410	3.12	3.4	1.2	<0.5	4.2	36	<0.1	0.2	<0.1	40	0.23	0.038
25400 87800	Soil	1.7	15.9	7.1	55	<0.1	5.6	4.5	260	3.00	4.3	2.4	<0.5	14.2	69	<0.1	0.1	<0.1	27	0.15	0.043
25400 87850	Soil	1.8	26.7	9.4	56	<0.1	18.2	11.0	320	2.99	10.3	0.9	1.8	4.1	25	<0.1	0.5	0.1	55	0.29	0.050
25400 87900	Soil	1.2	34.2	9.6	65	<0.1	24.6	15.8	403	3.82	7.4	0.7	3.0	3.8	23	<0.1	0.4	<0.1	83	0.42	0.034
25400 87950	Soil	1.8	27.8	9.3	69	<0.1	16.8	12.6	660	3.51	11.2	0.7	1.2	3.9	19	<0.1	0.4	0.2	58	0.46	0.058
25400 88000	Soil	0.3	20.5	3.1	98	<0.1	11.9	16.6	352	3.47	1.3	0.1	<0.5	0.5	23	<0.1	<0.1	<0.1	65	0.37	0.061
25400 88050	Soil	1.0	12.5	8.3	110	<0.1	6.6	8.3	786	4.46	3.0	0.4	0.6	2.0	28	<0.1	0.2	0.1	33	0.36	0.082
25400 88150	Soil	0.9	17.4	7.8	61	<0.1	16.0	11.7	491	3.48	5.5	0.5	5.2	3.6	22	<0.1	0.4	0.1	71	0.30	0.034
25400 88200	Soil	0.7	19.9	6.4	82	<0.1	12.6	11.5	636	3.81	3.7	0.9	4.4	5.8	18	<0.1	0.3	0.1	57	0.41	0.075
25400 88250	Soil	2.0	27.4	14.3	86	<0.1	94.1	22.2	1016	5.49	4.6	0.9	1.8	4.8	32	0.2	0.5	0.2	111	0.35	0.058
25400 88300	Soil	1.4	19.9	8.4	104	<0.1	23.9	18.1	748	4.79	6.5	0.5	1.7	3.5	15	<0.1	0.5	0.1	84	0.17	0.035
25400 88350	Soil	1.3	26.2	6.4	55	<0.1	29.6	12.4	310	2.74	3.2	0.3	1.5	1.6	21	<0.1	0.2	<0.1	54	0.47	0.099
25400 88400	Soil	2.9	28.8	8.1	80	<0.1	29.9	16.1	577	3.78	5.8	0.5	2.9	2.6	25	<0.1	0.2	0.1	83	0.42	0.068
25400 88450	Soil	0.9	15.3	7.5	66	<0.1	25.2	12.5	412	3.10	4.1	0.5	2.6	2.9	26	<0.1	0.2	0.1	58	0.41	0.081
25400 88500	Soil	0.8	19.0	7.9	65	<0.1	22.2	10.9	379	3.09	4.8	0.7	3.7	3.5	36	0.1	0.2	0.1	65	0.46	0.077
25400 88550	Soil	0.7	18.3	6.3	60	<0.1	16.7	10.2	323	2.85	4.8	0.5	1.6	3.3	22	<0.1	0.2	<0.1	59	0.37	0.059
25400 88600	Soil	0.7	16.2	5.7	58	<0.1	15.5	10.3	321	2.64	4.7	0.4	1.8	2.6	22	<0.1	0.2	<0.1	56	0.37	0.068
25400 88650	Soil	0.6	21.3	5.2	70	<0.1	11.1	12.8	393	3.14	3.2	0.3	1.5	1.8	23	<0.1	0.2	<0.1	70	0.44	0.102
25400 88700	Soil	0.7	15.5	7.3	78	<0.1	16.0	10.7	326	3.06	4.2	0.3	1.9	2.2	16	<0.1	0.2	<0.1	78	0.31	0.060
25400 88800	Soil	0.6	22.5	5.8	88	<0.1	11.3	10.9	614	3.34	3.9	0.6	3.2	2.6	21	0.2	0.2	0.1	69	0.50	0.108
25400 88950	Soil	1.7	31.0	28.3	141	<0.1	11.5	16.8	656	4.27	7.4	0.7	1.7	3.7	27	0.3	0.2	<0.1	91	0.49	0.084
25400 89000	Soil	0.9	39.2	239.7	409	0.1	12.3	12.5	716	3.62	6.5	0.4	3.0	2.1	30	0.4	0.3	0.3	57	0.50	0.057



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25300 89450	Soil	12	37	0.51	242	0.069	1	2.60	0.014	0.07	0.1	<0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
25300 89500	Soil	18	44	0.58	311	0.082	1	2.58	0.014	0.06	0.2	0.05	7.9	0.1	<0.05	6	0.5	<0.2
25300 89550	Soil	18	30	0.49	325	0.076	1	1.58	0.015	0.07	0.1	0.01	3.5	0.1	<0.05	5	<0.5	0.2
25300 89600	Soil	14	29	0.48	430	0.053	2	1.81	0.009	0.12	0.1	0.02	3.2	<0.1	<0.05	5	<0.5	0.5
25300 89700	Soil	63	248	2.12	1815	0.167	1	2.30	0.021	0.33	0.1	0.03	15.6	0.3	<0.05	8	<0.5	<0.2
25300 89750	Soil	15	39	0.63	385	0.073	1	2.34	0.012	0.08	0.3	0.01	4.0	0.1	<0.05	7	<0.5	<0.2
25300 89800	Soil	16	37	0.60	245	0.091	1	2.80	0.010	0.10	0.3	0.02	4.2	0.2	<0.05	7	<0.5	0.2
25300 89950	Soil	45	29	0.46	639	0.072	5	1.95	0.015	0.12	0.1	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
25400 87750	Soil	9	16	0.78	127	0.182	1	1.84	0.014	0.45	<0.1	<0.01	1.5	0.3	<0.05	5	<0.5	<0.2
25400 87800	Soil	23	11	0.59	135	0.145	<1	1.32	0.029	0.53	<0.1	<0.01	2.0	0.4	0.21	4	<0.5	0.3
25400 87850	Soil	16	22	0.79	150	0.123	<1	1.84	0.014	0.21	<0.1	<0.01	3.9	0.2	<0.05	5	<0.5	<0.2
25400 87900	Soil	16	33	0.99	156	0.109	1	2.02	0.019	0.15	<0.1	0.03	7.2	<0.1	<0.05	7	0.6	<0.2
25400 87950	Soil	10	24	0.87	131	0.025	<1	1.77	0.007	0.10	<0.1	0.01	8.2	<0.1	<0.05	5	<0.5	<0.2
25400 88000	Soil	1	18	1.53	292	0.244	<1	2.16	0.008	1.09	<0.1	<0.01	1.1	0.4	<0.05	6	<0.5	<0.2
25400 88050	Soil	3	10	1.25	448	0.266	2	2.57	0.008	1.35	0.1	<0.01	1.7	0.4	<0.05	8	<0.5	<0.2
25400 88150	Soil	10	28	0.86	237	0.132	1	1.90	0.013	0.33	0.1	0.02	3.6	0.1	<0.05	7	<0.5	<0.2
25400 88200	Soil	17	19	1.00	317	0.142	1	2.03	0.015	0.48	0.1	0.01	5.1	0.2	<0.05	9	<0.5	<0.2
25400 88250	Soil	22	97	1.03	349	0.025	2	1.96	0.011	0.12	<0.1	0.02	9.4	<0.1	<0.05	8	<0.5	<0.2
25400 88300	Soil	12	33	1.31	352	0.051	2	2.67	0.010	0.09	<0.1	0.01	9.6	<0.1	<0.05	9	<0.5	<0.2
25400 88350	Soil	6	47	1.00	188	0.102	<1	1.78	0.016	0.10	<0.1	<0.01	3.3	<0.1	<0.05	6	<0.5	<0.2
25400 88400	Soil	11	46	1.18	307	0.130	<1	2.33	0.014	0.22	0.1	0.01	5.1	0.1	<0.05	9	<0.5	<0.2
25400 88450	Soil	9	39	0.86	260	0.091	1	1.79	0.013	0.11	0.1	0.01	3.4	0.1	<0.05	6	<0.5	<0.2
25400 88500	Soil	13	35	0.92	254	0.121	<1	1.81	0.018	0.11	0.4	0.02	3.6	0.1	<0.05	7	<0.5	<0.2
25400 88550	Soil	11	27	0.75	217	0.123	1	1.57	0.016	0.12	0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
25400 88600	Soil	8	24	0.69	171	0.098	1	1.44	0.015	0.08	0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
25400 88650	Soil	7	19	0.86	202	0.133	<1	1.73	0.018	0.18	0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
25400 88700	Soil	8	28	0.97	154	0.143	1	1.74	0.016	0.13	0.1	0.01	4.1	<0.1	<0.05	7	<0.5	<0.2
25400 88800	Soil	11	21	0.81	292	0.129	1	1.76	0.016	0.27	0.1	0.01	5.6	0.1	<0.05	7	<0.5	<0.2
25400 88950	Soil	9	27	1.32	202	0.205	<1	2.56	0.015	0.46	0.2	<0.01	4.0	0.3	<0.05	8	<0.5	<0.2
25400 89000	Soil	5	19	1.22	123	0.208	<1	2.44	0.009	0.19	0.1	0.01	2.0	0.3	<0.05	6	<0.5	0.2



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Project: Mariposa
Report Date: July 27, 2010

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CERTIFICATE OF ANALYSIS

WHI10000092.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25400 89050	Soil	3.6	23.6	22.6	160	0.3	10.8	9.1	600	4.63	23.6	0.8	1.6	4.4	24	0.3	0.7	0.5	95	0.45	0.034
25400 89100	Soil	1.0	35.4	27.2	118	<0.1	14.5	12.1	653	3.47	3.7	0.7	4.6	6.9	35	0.2	0.3	0.2	61	0.40	0.024
25400 89150	Soil	1.3	38.5	12.6	116	<0.1	8.1	8.0	556	4.18	3.4	0.8	0.9	10.3	20	0.1	0.3	0.2	40	0.25	0.028
25400 89200	Soil	3.6	29.7	9.5	72	<0.1	13.2	5.9	294	2.94	3.1	0.8	46.1	10.3	29	<0.1	0.3	0.2	37	0.16	0.015
25400 89250	Soil	3.1	16.5	10.6	56	<0.1	22.2	8.3	322	2.93	6.5	0.6	81.3	6.7	34	<0.1	0.4	0.2	54	0.23	0.023
25400 89300	Soil	2.8	22.6	12.5	80	0.2	29.4	10.0	668	3.14	6.9	0.6	11.8	5.5	36	0.2	0.4	0.3	56	0.56	0.041
25400 89350	Soil	4.7	39.5	7.3	107	<0.1	49.1	22.2	685	4.53	3.9	0.9	20.5	4.9	25	<0.1	0.3	0.4	83	0.70	0.157
25400 89400	Soil	4.2	24.9	11.4	62	0.1	15.5	9.7	535	2.53	5.4	0.9	154.3	6.8	24	0.2	0.5	0.2	44	0.25	0.027
25400 89450	Soil	1.3	31.6	10.5	66	0.1	29.7	12.1	319	3.08	9.8	0.7	13.2	7.1	22	0.2	0.6	0.2	72	0.23	0.015
25400 89500	Soil	6.2	58.1	26.8	118	0.3	17.2	7.7	472	2.99	5.5	0.9	45.4	7.5	22	0.4	0.7	0.4	43	0.18	0.016
25400 89550	Soil	25.2	208.0	45.6	338	0.3	7.8	4.9	386	3.83	6.3	1.2	115.3	6.3	18	1.4	1.2	1.1	25	0.09	0.031
25400 89600	Soil	6.2	94.6	49.9	697	0.6	5.8	5.4	643	4.08	8.4	0.9	1.9	5.2	32	1.4	0.6	1.6	32	0.13	0.045
25400 89650	Soil	2.8	152.9	33.9	167	0.5	24.8	12.5	470	3.49	9.8	1.0	20.4	6.7	19	0.6	0.8	0.6	57	0.17	0.030
25400 89700	Soil	2.9	30.3	17.7	79	0.2	21.3	8.1	442	3.03	6.6	0.9	9.3	4.8	23	0.2	0.4	0.3	55	0.29	0.044
25800 87850	Soil	1.6	27.6	2.3	84	<0.1	20.9	15.4	184	4.39	2.4	0.4	1.0	0.7	17	<0.1	<0.1	<0.1	85	0.22	0.061
25800 87900	Soil	1.0	18.4	9.7	70	<0.1	22.1	16.0	575	3.81	8.5	0.4	2.0	3.5	25	0.1	0.4	0.1	83	0.30	0.044
25800 87950	Soil	1.2	26.6	11.0	65	<0.1	25.1	11.6	449	3.19	9.5	1.0	8.6	5.1	30	<0.1	0.5	0.2	70	0.39	0.040
25800 88000	Soil	1.4	26.5	10.6	77	<0.1	30.0	12.2	411	3.72	6.3	1.1	6.1	8.2	35	<0.1	0.3	0.1	79	0.41	0.102
25800 88050	Soil	1.3	38.0	8.3	76	0.2	20.3	14.4	826	3.55	4.9	1.3	15.3	2.8	40	0.2	0.3	0.1	85	0.76	0.076
25800 88100	Soil	0.6	32.1	5.5	124	<0.1	9.5	18.6	985	4.98	1.3	0.5	1.6	3.1	15	0.1	0.1	<0.1	167	0.43	0.109
25800 88150	Soil	0.8	41.5	10.9	85	<0.1	14.9	15.7	640	4.08	5.4	0.4	4.6	2.2	15	0.2	0.2	<0.1	131	0.35	0.040
25800 88200	Soil	1.3	48.7	8.6	105	0.1	50.4	23.3	1262	5.27	3.4	1.0	16.2	3.1	25	<0.1	0.3	0.1	115	0.75	0.134
25800 88250	Soil	3.2	29.1	19.4	63	<0.1	17.4	9.5	354	3.09	20.4	0.6	20.9	3.5	19	<0.1	0.3	0.1	50	0.30	0.030
25800 88300	Soil	1.1	21.2	9.9	61	<0.1	24.7	10.9	364	3.24	9.8	0.4	2.5	3.9	22	<0.1	0.6	0.2	69	0.30	0.022
25800 88350	Soil	1.0	21.5	8.4	98	<0.1	16.9	15.6	785	4.73	6.0	0.5	1.3	3.0	17	<0.1	0.4	0.1	109	0.25	0.056
25800 88400	Soil	0.8	24.8	6.8	71	<0.1	18.2	10.3	396	3.44	6.7	0.6	0.6	4.8	14	<0.1	0.4	0.1	86	0.15	0.030
25800 88450	Soil	0.4	24.1	2.8	69	<0.1	10.5	9.7	536	3.43	2.9	0.4	<0.5	3.3	13	<0.1	0.1	<0.1	68	0.21	0.053
25800 88500	Soil	0.3	15.7	3.9	91	<0.1	5.6	10.0	589	3.05	3.1	0.3	<0.5	2.0	16	0.1	0.1	<0.1	40	0.57	0.218
25800 88550	Soil	1.1	29.8	9.8	58	<0.1	26.7	11.7	364	3.02	11.1	0.4	1.4	3.4	19	0.1	0.6	0.1	78	0.21	0.027
25800 88600	Soil	0.3	48.4	4.5	62	<0.1	9.4	10.6	210	2.43	2.9	0.4	0.6	2.9	12	<0.1	0.2	<0.1	56	0.36	0.115



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25400 89050	Soil	9	27	1.62	242	0.221	<1	2.94	0.018	0.27	0.2	0.01	7.2	0.3	<0.05	11	<0.5	1.9
25400 89100	Soil	20	28	1.07	236	0.167	<1	2.21	0.020	0.22	<0.1	<0.01	4.1	0.2	<0.05	8	<0.5	<0.2
25400 89150	Soil	12	12	0.68	166	0.139	<1	2.19	0.009	0.61	<0.1	<0.01	3.2	0.4	<0.05	8	<0.5	<0.2
25400 89200	Soil	22	22	0.46	252	0.075	<1	1.64	0.009	0.27	<0.1	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
25400 89250	Soil	12	35	0.50	264	0.067	1	2.06	0.010	0.12	0.1	0.01	3.5	0.1	<0.05	7	<0.5	<0.2
25400 89300	Soil	14	40	0.64	408	0.065	2	2.30	0.010	0.11	0.1	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
25400 89350	Soil	30	62	1.54	531	0.180	1	2.74	0.031	0.39	0.2	0.02	4.6	0.4	<0.05	10	<0.5	<0.2
25400 89400	Soil	22	24	0.41	246	0.083	1	1.22	0.013	0.10	0.1	0.03	3.2	<0.1	<0.05	4	<0.5	0.2
25400 89450	Soil	12	42	0.68	242	0.112	2	2.59	0.020	0.08	0.1	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
25400 89500	Soil	17	26	0.44	331	0.037	2	2.00	0.007	0.15	0.1	0.02	3.2	0.1	<0.05	5	<0.5	<0.2
25400 89550	Soil	16	12	0.17	364	0.007	2	2.17	0.007	0.13	0.1	0.02	2.7	0.2	<0.05	5	0.6	0.3
25400 89600	Soil	8	12	0.42	435	0.045	<1	2.80	0.008	0.34	0.2	0.03	4.0	0.4	<0.05	8	<0.5	0.2
25400 89650	Soil	14	34	0.56	310	0.054	2	2.59	0.010	0.10	0.1	0.06	3.4	0.1	<0.05	6	<0.5	<0.2
25400 89700	Soil	16	34	0.49	400	0.061	1	1.83	0.013	0.09	0.1	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
25800 87850	Soil	2	48	1.35	285	0.287	<1	2.61	0.010	1.29	0.1	<0.01	2.4	0.4	<0.05	5	<0.5	<0.2
25800 87900	Soil	8	36	0.84	311	0.144	<1	2.46	0.015	0.24	0.1	0.02	3.8	0.1	<0.05	8	<0.5	<0.2
25800 87950	Soil	19	38	0.69	400	0.095	1	1.90	0.016	0.13	0.1	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
25800 88000	Soil	25	40	1.04	371	0.116	<1	1.94	0.014	0.43	<0.1	0.01	6.2	0.2	<0.05	8	<0.5	<0.2
25800 88050	Soil	16	29	1.00	599	0.091	1	2.05	0.017	0.26	<0.1	0.05	9.1	0.1	<0.05	7	0.6	<0.2
25800 88100	Soil	11	17	2.05	343	0.121	<1	2.54	0.015	0.70	<0.1	0.01	12.1	0.2	<0.05	11	<0.5	<0.2
25800 88150	Soil	6	26	1.49	184	0.127	1	2.26	0.025	0.34	<0.1	<0.01	8.4	0.1	<0.05	8	<0.5	0.2
25800 88200	Soil	20	77	1.85	722	0.100	1	2.74	0.015	0.35	<0.1	0.04	13.4	0.1	<0.05	9	<0.5	<0.2
25800 88250	Soil	17	26	0.54	544	0.032	1	1.61	0.010	0.19	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
25800 88300	Soil	8	37	0.72	267	0.092	1	2.03	0.012	0.13	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
25800 88350	Soil	11	31	1.26	330	0.157	1	2.53	0.013	0.58	<0.1	0.01	9.3	0.2	<0.05	10	<0.5	<0.2
25800 88400	Soil	16	33	0.91	203	0.149	<1	2.06	0.015	0.29	0.1	0.02	6.5	0.1	<0.05	7	<0.5	<0.2
25800 88450	Soil	11	20	0.96	216	0.197	<1	1.93	0.010	0.69	0.2	0.01	6.5	0.2	<0.05	8	<0.5	<0.2
25800 88500	Soil	8	8	1.16	255	0.136	<1	1.78	0.017	0.27	<0.1	<0.01	6.0	<0.1	<0.05	8	<0.5	<0.2
25800 88550	Soil	8	45	0.75	235	0.105	1	2.27	0.016	0.06	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
25800 88600	Soil	15	19	1.00	111	0.089	<1	1.66	0.018	0.06	<0.1	0.01	4.8	<0.1	<0.05	6	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25800 88700	Soil	0.7	26.7	19.3	160	<0.1	30.9	28.2	1170	5.50	2.1	0.2	<0.5	1.0	16	0.2	0.1	<0.1	174	0.46	0.084
25800 88750	Soil	1.0	26.3	8.2	85	<0.1	61.4	17.4	473	4.29	6.0	0.7	2.1	5.8	22	<0.1	0.4	0.1	85	0.27	0.067
25800 89000	Soil	0.6	18.4	5.6	75	<0.1	10.8	8.9	533	3.41	2.3	0.9	<0.5	8.9	14	0.1	0.2	<0.1	50	0.34	0.069
25800 89050	Soil	0.7	23.5	5.8	66	<0.1	16.2	13.6	492	3.49	4.6	0.5	1.7	5.2	16	0.1	0.3	0.1	73	0.27	0.056
25800 89100	Soil	0.6	25.7	7.4	73	0.1	20.3	11.3	459	3.19	5.1	0.8	2.6	3.9	23	<0.1	0.3	0.1	73	0.41	0.058
25800 89150	Soil	0.9	38.5	11.2	84	0.5	28.9	21.1	616	4.39	5.7	1.0	6.3	3.1	37	0.2	0.4	0.1	109	0.70	0.075
25800 89250	Soil	4.2	25.4	8.7	43	0.1	13.6	10.6	1723	2.41	4.2	3.4	9.3	8.2	37	0.2	0.4	<0.1	33	0.52	0.069
25800 89300	Soil	1.4	16.3	9.0	50	<0.1	14.0	7.0	350	2.85	4.4	0.7	8.2	8.9	23	<0.1	0.3	0.1	47	0.22	0.036
25800 89350	Soil	0.6	86.9	4.0	40	<0.1	44.1	20.2	400	2.55	1.9	0.5	3.8	3.2	95	<0.1	0.1	<0.1	75	0.66	0.095
25800 89400	Soil	2.0	24.6	10.3	50	<0.1	20.9	9.1	330	2.94	6.5	1.0	17.0	8.7	26	<0.1	0.4	0.2	56	0.23	0.027
25800 89450	Soil	4.6	31.8	11.0	65	0.1	19.3	8.9	357	3.65	6.1	0.8	26.7	11.1	22	<0.1	0.5	0.2	57	0.18	0.034
25800 89500	Soil	6.1	30.5	11.0	55	<0.1	26.4	9.7	370	3.21	8.3	0.9	88.1	8.6	20	<0.1	0.6	0.2	58	0.17	0.024
25800 89550	Soil	4.2	32.4	10.9	64	<0.1	26.0	12.0	502	3.54	9.3	0.9	93.5	6.8	24	0.1	0.6	0.2	70	0.24	0.033
25800 89600	Soil	2.9	44.2	9.5	70	<0.1	22.8	10.4	494	3.36	8.4	1.1	67.9	6.5	30	<0.1	0.6	0.2	62	0.35	0.030
25800 89650	Soil	7.6	51.4	12.4	48	0.2	9.7	9.9	265	3.07	4.6	0.9	177.6	9.2	14	<0.1	0.6	0.4	33	0.10	0.025
25800 89700	Soil	4.0	60.9	13.5	169	0.1	9.0	9.0	457	4.22	3.6	0.7	260.3	7.9	25	0.2	0.6	0.6	47	0.11	0.026
25800 89750	Soil	2.9	31.6	11.0	58	<0.1	23.3	11.2	487	3.08	7.6	1.3	9.9	5.8	22	<0.1	0.5	0.2	63	0.22	0.025
25800 89900	Soil	3.2	26.7	14.7	63	0.1	36.0	13.6	515	3.40	10.1	1.0	25.8	6.0	25	<0.1	0.6	0.2	73	0.27	0.052
25700 87850	Soil	3.2	34.5	8.8	59	<0.1	20.3	11.9	243	3.03	5.7	1.2	1.5	5.6	32	<0.1	0.2	<0.1	64	0.42	0.037
25700 87900	Soil	0.5	41.8	5.9	69	<0.1	15.7	15.8	412	4.24	5.9	0.7	1.9	2.9	24	<0.1	0.3	<0.1	81	0.47	0.116
25700 87950	Soil	0.7	30.4	4.9	105	<0.1	8.0	10.9	620	4.62	2.0	0.4	1.7	1.8	17	<0.1	0.2	<0.1	59	0.21	0.068
25700 88000	Soil	0.8	30.9	33.0	424	0.2	6.1	6.9	217	3.90	3.8	0.8	921.3	6.3	10	0.3	0.3	0.2	35	0.11	0.027
25700 88050	Soil	0.7	39.2	12.5	83	<0.1	22.3	12.8	519	4.31	7.0	1.0	7.4	10.1	21	<0.1	0.5	0.2	78	0.23	0.033
25700 88100	Soil	1.0	33.0	16.3	94	<0.1	22.5	9.3	343	4.50	19.2	1.1	5.8	9.5	11	0.1	0.6	0.1	66	0.09	0.015
25700 88150	Soil	0.5	40.1	5.1	90	<0.1	20.4	14.9	636	4.33	6.0	1.0	7.2	4.5	21	<0.1	0.4	<0.1	112	0.34	0.042
25700 88200	Soil	0.9	33.3	7.0	126	<0.1	14.4	23.0	1086	5.78	4.3	0.4	3.9	3.0	15	<0.1	0.3	<0.1	203	0.25	0.053
25700 88250	Soil	0.3	18.6	3.1	163	<0.1	11.1	26.5	658	5.50	2.9	0.5	1.1	2.1	15	<0.1	0.1	<0.1	135	0.40	0.124
25700 88300	Soil	0.5	17.7	6.6	92	<0.1	10.9	13.5	469	3.78	1.7	0.4	2.9	2.3	18	<0.1	0.1	<0.1	76	0.26	0.072
25700 88350	Soil	0.5	12.4	5.5	106	<0.1	8.4	17.5	485	3.64	4.5	0.6	1.5	3.5	13	<0.1	0.2	0.1	84	0.49	0.183
25700 88400	Soil	0.8	19.2	4.3	94	0.2	17.0	13.7	476	4.55	4.6	0.3	1.2	1.1	23	0.1	0.2	<0.1	83	0.43	0.062



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25800 88700	Soil	4	122	2.60	403	0.365	<1	3.28	0.013	1.39	0.1	0.02	9.4	0.6	<0.05	11	<0.5	<0.2
25800 88750	Soil	19	73	1.50	293	0.188	<1	3.13	0.012	0.14	0.1	0.01	6.6	0.2	<0.05	9	<0.5	<0.2
25800 89000	Soil	25	18	0.58	301	0.079	1	1.58	0.010	0.32	<0.1	0.02	5.4	<0.1	<0.05	6	<0.5	<0.2
25800 89050	Soil	14	31	0.80	241	0.162	1	2.09	0.021	0.33	0.1	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
25800 89100	Soil	14	38	0.78	338	0.111	1	1.84	0.017	0.12	0.2	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
25800 89150	Soil	12	51	1.00	504	0.099	1	2.73	0.021	0.05	<0.1	0.06	8.2	<0.1	<0.05	8	<0.5	<0.2
25800 89250	Soil	44	18	0.32	446	0.052	2	1.33	0.012	0.18	<0.1	0.05	3.7	0.1	<0.05	5	<0.5	<0.2
25800 89300	Soil	17	27	0.52	273	0.090	<1	1.90	0.011	0.19	<0.1	0.01	3.2	0.1	<0.05	6	<0.5	<0.2
25800 89350	Soil	10	125	1.41	395	0.184	<1	2.15	0.025	0.28	<0.1	<0.01	3.5	0.1	<0.05	5	<0.5	<0.2
25800 89400	Soil	22	42	0.59	311	0.076	1	2.13	0.013	0.10	<0.1	0.03	4.6	0.1	<0.05	6	<0.5	0.2
25800 89450	Soil	20	42	0.68	301	0.118	<1	2.31	0.015	0.26	0.1	<0.01	4.2	0.2	<0.05	7	<0.5	<0.2
25800 89500	Soil	19	41	0.56	328	0.079	2	1.93	0.017	0.08	<0.1	0.03	4.4	<0.1	<0.05	5	<0.5	<0.2
25800 89550	Soil	17	44	0.64	405	0.081	2	2.36	0.013	0.10	0.1	0.03	5.8	<0.1	<0.05	6	<0.5	<0.2
25800 89600	Soil	23	38	0.59	846	0.080	1	2.03	0.016	0.10	0.1	0.05	7.8	0.1	<0.05	5	<0.5	<0.2
25800 89650	Soil	21	17	0.25	207	0.031	1	1.41	0.012	0.11	<0.1	0.02	4.0	<0.1	<0.05	4	<0.5	1.0
25800 89700	Soil	17	13	0.49	327	0.061	1	2.70	0.008	0.37	0.1	0.02	4.6	0.4	<0.05	6	<0.5	0.2
25800 89750	Soil	26	44	0.62	456	0.085	2	2.04	0.014	0.10	0.1	0.02	7.2	0.1	<0.05	5	<0.5	<0.2
25800 89900	Soil	24	58	0.73	530	0.086	2	2.47	0.012	0.08	0.2	0.04	5.6	0.1	<0.05	6	0.6	<0.2
25700 87850	Soil	10	35	0.76	107	0.110	1	1.60	0.009	0.12	<0.1	<0.01	4.4	<0.1	<0.05	5	<0.5	<0.2
25700 87900	Soil	16	24	0.99	199	0.094	<1	2.03	0.021	0.14	<0.1	0.02	6.7	<0.1	<0.05	7	<0.5	<0.2
25700 87950	Soil	8	11	1.02	204	0.250	<1	2.26	0.010	0.70	<0.1	<0.01	2.0	0.2	<0.05	7	<0.5	<0.2
25700 88000	Soil	15	11	0.84	322	0.059	<1	2.05	0.008	0.32	<0.1	0.04	2.5	0.1	<0.05	10	<0.5	0.8
25700 88050	Soil	43	23	1.41	235	0.144	1	2.44	0.011	0.37	0.1	0.02	6.3	0.2	<0.05	10	<0.5	<0.2
25700 88100	Soil	18	45	0.87	137	0.121	<1	2.17	0.014	0.71	<0.1	0.01	6.0	0.4	<0.05	8	<0.5	<0.2
25700 88150	Soil	21	29	1.54	202	0.143	<1	2.26	0.018	0.14	<0.1	0.02	13.6	0.1	<0.05	9	<0.5	<0.2
25700 88200	Soil	8	25	2.35	313	0.192	<1	3.29	0.013	0.95	0.1	<0.01	16.6	0.3	<0.05	13	<0.5	<0.2
25700 88250	Soil	6	18	2.74	264	0.130	<1	3.12	0.010	0.48	<0.1	<0.01	15.0	0.2	<0.05	14	<0.5	<0.2
25700 88300	Soil	8	21	1.43	306	0.122	<1	2.50	0.009	0.47	<0.1	<0.01	6.2	0.2	<0.05	9	<0.5	<0.2
25700 88350	Soil	12	16	1.74	236	0.157	1	2.47	0.010	0.40	<0.1	<0.01	10.2	0.2	<0.05	11	<0.5	<0.2
25700 88400	Soil	4	36	1.33	278	0.281	<1	2.72	0.023	0.95	0.1	0.02	4.1	0.3	<0.05	8	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25700 88450	Soil	0.7	21.0	4.7	78	<0.1	11.6	13.6	408	3.74	4.5	0.3	1.6	1.4	13	<0.1	0.2	<0.1	95	0.26	0.059
25700 88500	Soil	0.8	11.8	2.7	143	<0.1	5.8	14.8	522	4.72	2.7	0.5	<0.5	2.5	12	<0.1	0.1	0.1	69	0.14	0.063
25700 88550	Soil	2.7	29.0	7.1	70	<0.1	16.1	12.7	413	3.90	5.8	0.6	1.6	3.3	15	0.1	0.3	0.2	94	0.20	0.053
25700 88600	Soil	0.9	17.8	7.8	59	<0.1	15.8	10.6	310	3.07	7.4	0.5	1.5	2.9	16	<0.1	0.3	0.1	67	0.24	0.069
25700 88700	Soil	0.7	29.1	13.1	81	<0.1	21.2	14.6	523	3.56	7.6	0.5	6.6	3.0	16	0.2	0.4	0.1	89	0.27	0.051
25700 88750	Soil	0.7	26.5	28.7	151	0.1	20.4	15.0	736	4.22	3.9	0.5	1.2	2.9	19	0.1	0.2	0.1	109	0.38	0.102
25700 88800	Soil	0.5	29.4	7.9	103	<0.1	19.9	14.6	607	3.62	3.9	0.6	1.4	3.4	21	0.1	0.3	0.1	98	0.45	0.082
25700 88850	Soil	0.6	24.6	6.8	77	<0.1	22.2	10.2	437	3.15	4.9	0.9	2.4	5.3	22	0.1	0.4	0.1	60	0.35	0.067
25700 88900	Soil	0.8	18.2	6.1	66	<0.1	16.0	9.3	389	2.88	5.6	1.1	1.5	6.0	22	0.1	0.3	<0.1	52	0.37	0.060
25700 88950	Soil	0.7	12.9	5.3	90	<0.1	10.4	9.2	431	3.66	2.9	1.6	3.0	8.2	17	<0.1	0.2	0.2	50	0.37	0.083
25700 89000	Soil	1.1	13.7	10.2	94	<0.1	5.8	10.0	1005	4.11	10.5	1.4	1.0	7.4	13	0.4	0.2	0.1	68	0.30	0.073
25700 89050	Soil	0.9	17.4	16.4	120	0.1	13.1	10.5	461	3.36	4.1	0.7	2.4	4.9	20	0.7	0.3	0.1	56	0.37	0.074
25700 89200	Soil	1.6	115.7	14.1	88	<0.1	41.6	17.5	720	4.09	6.1	2.0	7.7	11.2	60	0.1	0.5	0.4	83	0.58	0.129
25700 89250	Soil	2.4	327.5	9.9	194	<0.1	6.9	5.4	539	3.90	16.3	1.6	2.3	19.9	13	0.5	0.4	0.4	30	0.19	0.069
25700 89300	Soil	3.2	235.9	11.4	93	0.1	10.1	7.0	326	3.31	4.9	1.2	8.2	12.1	30	0.1	0.3	0.2	35	0.24	0.027
25700 89350	Soil	3.5	66.1	10.8	65	<0.1	14.3	9.0	369	2.82	5.7	0.9	50.5	7.5	23	0.1	0.5	0.2	47	0.26	0.026
25700 89400	Soil	5.6	60.5	11.6	78	0.3	18.3	13.9	600	3.63	6.4	0.8	75.9	7.0	29	0.1	0.6	0.3	58	0.29	0.039
25700 89450	Soil	5.4	36.6	11.1	52	0.1	14.5	6.7	283	2.49	5.6	0.7	56.5	4.9	19	0.2	0.7	0.3	47	0.21	0.021
25700 89500	Soil	5.0	39.1	11.5	55	0.1	16.8	8.0	368	2.70	6.8	0.8	73.5	6.0	21	0.2	0.7	0.3	54	0.22	0.019
25700 89550	Soil	6.5	58.4	13.7	68	0.1	18.5	8.9	519	3.09	7.2	1.0	85.3	6.8	25	0.2	0.8	0.4	54	0.29	0.023
25700 89600	Soil	8.7	48.8	13.7	65	0.4	20.1	8.8	348	3.24	7.6	0.8	102.4	6.1	16	0.1	0.7	0.3	62	0.15	0.022
25700 89650	Soil	13.4	65.0	26.8	61	0.2	10.9	7.3	342	2.63	7.3	0.8	358.1	6.7	16	0.2	1.0	0.5	28	0.12	0.025
25700 89700	Soil	11.3	100.1	11.2	120	0.2	9.2	8.4	694	4.31	7.6	1.2	113.1	8.6	16	0.2	1.8	0.9	29	0.12	0.021
25700 89750	Soil	3.2	44.3	36.5	114	0.2	13.6	10.5	743	3.89	4.7	1.1	83.3	6.8	27	0.2	0.7	0.5	52	0.25	0.028
25700 89800	Soil	3.6	25.3	12.2	58	0.2	14.8	6.9	312	2.63	6.6	0.7	45.0	2.6	20	0.4	0.5	0.3	59	0.19	0.038
25700 89850	Soil	2.8	43.3	11.4	79	<0.1	25.7	10.3	425	3.35	7.6	1.3	108.7	5.7	27	0.2	0.5	0.3	64	0.27	0.040
28800 87550	Soil	1.0	29.8	9.1	88	0.1	13.5	12.9	416	3.67	4.2	0.7	5.1	3.0	27	0.2	0.2	0.1	72	0.35	0.080
28800 87600	Soil	1.1	34.3	9.7	91	0.2	14.3	12.2	370	3.63	3.7	1.0	67.9	3.1	28	0.1	0.2	0.1	71	0.37	0.077
28800 87650	Soil	7.5	23.2	17.9	47	0.1	52.1	10.5	273	2.20	3.3	0.3	8.5	1.3	28	0.2	0.2	<0.1	53	0.62	0.153
28800 87750	Soil	1.3	24.0	8.4	71	0.1	11.5	11.0	323	3.14	4.2	0.6	5.9	3.2	14	<0.1	0.2	0.1	67	0.25	0.061



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25700 88450	Soil	5	18	1.15	219	0.180	<1	2.52	0.013	0.50	<0.1	0.01	3.3	0.2	<0.05	7	<0.5	<0.2
25700 88500	Soil	10	10	1.61	339	0.123	<1	2.72	0.012	0.61	<0.1	0.01	12.6	0.1	0.06	12	<0.5	0.3
25700 88550	Soil	15	30	0.99	215	0.152	1	2.47	0.011	0.28	<0.1	0.02	4.8	0.2	<0.05	9	<0.5	<0.2
25700 88600	Soil	9	29	0.77	182	0.085	<1	1.94	0.012	0.07	0.1	0.01	3.9	<0.1	<0.05	7	<0.5	<0.2
25700 88700	Soil	9	39	0.93	190	0.139	1	2.23	0.013	0.12	0.1	0.02	4.0	0.1	<0.05	7	0.5	<0.2
25700 88750	Soil	11	36	1.38	321	0.200	1	2.46	0.015	0.47	0.1	0.01	6.3	0.2	<0.05	9	<0.5	<0.2
25700 88800	Soil	13	41	1.44	308	0.208	1	2.22	0.018	0.50	0.1	0.01	5.6	0.3	<0.05	7	0.7	<0.2
25700 88850	Soil	19	35	0.78	264	0.112	<1	1.71	0.015	0.16	0.1	0.02	5.2	0.1	<0.05	6	<0.5	<0.2
25700 88900	Soil	17	26	0.63	252	0.096	<1	1.58	0.012	0.09	0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
25700 88950	Soil	27	18	0.51	170	0.068	<1	1.48	0.010	0.23	0.1	0.01	4.1	0.1	<0.05	7	<0.5	<0.2
25700 89000	Soil	32	16	0.68	202	0.116	<1	1.87	0.010	0.44	<0.1	<0.01	4.0	0.1	<0.05	10	<0.5	<0.2
25700 89050	Soil	19	24	0.56	263	0.070	<1	1.84	0.012	0.20	0.1	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
25700 89200	Soil	38	115	1.60	701	0.149	<1	2.34	0.027	0.38	0.2	<0.01	8.8	0.3	<0.05	8	<0.5	<0.2
25700 89250	Soil	38	10	0.46	247	0.108	<1	2.01	0.009	0.54	<0.1	0.01	2.3	0.4	<0.05	7	0.6	<0.2
25700 89300	Soil	23	25	0.54	400	0.119	<1	2.13	0.009	0.36	0.1	<0.01	2.7	0.3	<0.05	7	<0.5	<0.2
25700 89350	Soil	17	25	0.57	259	0.090	<1	1.97	0.009	0.21	<0.1	<0.01	3.0	0.1	<0.05	6	<0.5	<0.2
25700 89400	Soil	14	36	0.69	379	0.107	1	2.40	0.011	0.21	0.1	0.02	3.8	0.2	<0.05	7	<0.5	<0.2
25700 89450	Soil	18	26	0.41	351	0.051	<1	1.44	0.009	0.07	0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
25700 89500	Soil	19	31	0.45	395	0.062	<1	1.70	0.010	0.07	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
25700 89550	Soil	30	32	0.50	730	0.056	2	1.91	0.010	0.13	<0.1	0.03	5.0	0.1	<0.05	6	0.5	<0.2
25700 89600	Soil	17	36	0.47	574	0.045	2	2.39	0.012	0.09	<0.1	0.02	4.2	0.1	<0.05	7	<0.5	<0.2
25700 89650	Soil	19	16	0.22	277	0.016	1	1.53	0.007	0.09	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	0.4
25700 89700	Soil	20	16	0.26	378	0.015	1	1.70	0.006	0.13	0.1	0.03	4.1	0.1	<0.05	4	0.6	0.2
25700 89750	Soil	22	20	0.48	511	0.062	1	2.22	0.010	0.23	0.1	0.03	6.3	0.2	<0.05	6	0.6	<0.2
25700 89800	Soil	15	27	0.36	260	0.054	1	1.83	0.011	0.07	0.1	0.03	3.3	0.1	<0.05	7	<0.5	<0.2
25700 89850	Soil	23	42	0.62	396	0.079	2	2.12	0.012	0.10	0.2	0.03	5.6	0.1	<0.05	7	0.6	<0.2
28800 87550	Soil	10	24	0.95	236	0.163	<1	2.19	0.023	0.30	<0.1	0.02	4.1	0.2	<0.05	7	<0.5	<0.2
28800 87600	Soil	15	26	0.96	312	0.148	<1	2.26	0.014	0.32	<0.1	0.05	5.5	0.2	<0.05	8	<0.5	<0.2
28800 87650	Soil	6	100	0.65	108	0.089	3	1.29	0.030	0.09	0.2	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
28800 87750	Soil	11	21	0.91	157	0.130	<1	1.80	0.012	0.26	0.1	0.02	5.2	0.2	<0.05	8	<0.5	<0.2



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
28800 88000	Soil	1.6	26.2	11.7	62	0.8	14.8	8.5	283	3.40	7.5	0.9	14.2	2.3	34	<0.1	0.3	0.5	65	0.30	0.061
28800 88050	Soil	1.8	26.0	12.0	74	0.7	15.3	10.8	338	3.69	7.8	0.9	11.5	3.1	38	0.1	0.2	0.5	63	0.59	0.059
28800 88200	Soil	0.9	19.4	8.7	54	0.2	16.8	10.7	330	2.49	7.6	0.6	2.5	2.7	22	0.1	0.3	0.2	57	0.26	0.039
28800 88350	Soil	2.3	16.2	11.2	75	0.2	13.7	8.7	341	2.29	5.3	1.2	1.8	2.3	27	0.2	0.2	0.2	56	0.32	0.044
28800 88400	Soil	1.6	22.9	10.6	93	0.2	12.0	11.7	343	2.75	4.5	1.7	0.9	3.1	36	0.2	0.2	0.2	59	0.42	0.062
28800 88600	Soil	1.5	26.1	9.1	50	0.2	20.0	12.6	486	2.72	6.4	2.1	6.1	6.5	37	0.1	0.4	0.1	48	0.64	0.046
29100 87200	Soil	3.2	24.9	8.9	57	<0.1	15.7	11.5	270	2.72	6.1	0.7	9.3	3.7	16	<0.1	0.3	<0.1	46	0.22	0.051
29100 87250	Soil	3.2	37.2	5.6	82	<0.1	28.7	16.8	440	3.85	4.0	0.7	3.0	2.4	17	0.1	0.2	<0.1	104	0.31	0.098
29100 87300	Soil	0.7	76.5	4.5	43	<0.1	65.6	26.8	222	3.94	2.9	0.8	0.6	4.0	12	<0.1	0.2	<0.1	59	0.30	0.118
29100 87350	Soil	0.6	20.4	5.9	53	<0.1	37.6	15.2	276	2.62	4.4	0.4	3.6	2.2	17	<0.1	0.2	<0.1	62	0.32	0.072
29100 87400	Soil	0.4	52.2	5.0	144	<0.1	14.3	23.0	510	3.45	2.3	0.6	1.4	3.2	22	<0.1	0.2	<0.1	64	0.60	0.163
29100 87550	Soil	0.9	16.1	5.5	64	<0.1	12.1	9.6	395	3.02	4.2	0.6	8.6	3.6	15	<0.1	0.3	<0.1	57	0.21	0.035
29100 87600	Soil	0.8	22.8	6.3	79	<0.1	13.8	14.6	462	3.36	5.3	0.6	3.0	3.2	17	<0.1	0.3	<0.1	67	0.26	0.052
29100 87650	Soil	0.6	26.3	2.9	98	<0.1	7.8	14.1	587	3.50	2.2	0.5	1.7	4.3	10	<0.1	0.2	<0.1	40	0.28	0.095
29100 87750	Soil	1.7	27.1	12.9	65	0.6	15.1	11.2	319	3.31	5.8	0.7	21.7	2.7	37	<0.1	0.2	0.2	81	0.26	0.050
29100 87800	Soil	2.6	41.3	7.4	86	1.1	12.8	11.1	449	5.34	2.3	0.6	11.3	1.9	51	<0.1	<0.1	0.1	115	0.21	0.072
29100 87850	Soil	1.1	31.9	12.5	92	1.1	14.7	12.6	429	3.84	6.3	0.8	61.2	2.9	31	0.2	0.2	0.2	80	0.34	0.057
29100 87900	Soil	1.4	20.6	8.6	86	0.6	13.5	12.1	410	3.48	4.5	0.7	16.9	3.3	33	<0.1	0.1	0.1	44	0.33	0.054
29100 88000	Soil	1.0	30.3	8.6	66	0.1	19.1	13.3	349	3.15	7.9	0.7	8.3	4.4	21	<0.1	0.4	0.2	68	0.23	0.028
29100 88100	Soil	1.3	32.4	11.9	77	0.2	19.8	10.8	373	3.22	17.6	0.8	3.1	4.2	19	0.2	0.4	0.6	73	0.24	0.034
29100 88200	Soil	1.2	31.7	10.5	78	0.2	19.0	9.2	326	2.68	14.3	1.0	4.3	4.7	23	0.1	0.4	0.3	59	0.34	0.046
28900 87500	Soil	1.1	27.7	8.0	65	0.3	15.4	9.6	288	2.76	5.1	0.9	6.7	2.0	32	0.2	0.3	0.1	63	0.47	0.066
28900 87550	Soil	1.1	40.3	8.7	67	0.4	16.8	10.0	314	3.22	4.7	1.3	9.5	2.7	31	0.2	0.2	0.1	68	0.38	0.055
28900 87600	Soil	1.2	27.3	8.7	66	<0.1	14.2	10.6	352	3.24	6.5	0.6	7.3	2.8	23	0.2	0.3	0.1	78	0.32	0.042
28900 87700	Soil	1.3	24.7	7.9	78	<0.1	15.4	13.2	486	3.36	5.8	0.6	10.2	3.5	17	0.2	0.3	0.1	65	0.23	0.038
28900 87750	Soil	2.3	32.9	19.7	62	0.3	13.2	8.0	262	2.68	5.7	0.7	7.8	3.0	20	0.2	0.3	0.2	63	0.24	0.039
28900 87850	Soil	2.0	33.8	9.8	63	0.4	15.2	9.8	299	3.47	6.6	0.8	23.8	3.5	30	<0.1	0.3	0.2	69	0.24	0.053
28900 87900	Soil	1.5	30.8	12.2	69	0.7	14.0	9.8	309	3.78	9.3	1.0	17.8	3.4	43	<0.1	0.3	0.4	76	0.30	0.053
28900 88000	Soil	1.5	37.1	13.6	88	1.2	16.2	13.2	565	4.89	12.4	0.8	58.6	3.1	76	0.1	0.2	1.3	82	0.54	0.064
28900 88100	Soil	7.3	4.3	13.6	18	0.1	50.5	1.6	129	1.09	1.3	0.3	1.5	3.3	22	<0.1	<0.1	<0.1	8	0.06	0.046



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
28800 88000	Soil	13	26	0.72	201	0.093	<1	1.93	0.030	0.17	0.2	0.03	3.6	0.2	0.16	6	0.6	<0.2
28800 88050	Soil	11	30	0.89	221	0.111	1	2.08	0.029	0.22	0.1	0.03	3.7	0.2	0.13	7	<0.5	<0.2
28800 88200	Soil	10	29	0.54	181	0.087	<1	1.63	0.013	0.07	0.2	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
28800 88350	Soil	11	24	0.48	226	0.076	<1	1.54	0.013	0.05	<0.1	0.03	3.1	0.1	<0.05	5	<0.5	<0.2
28800 88400	Soil	10	21	0.64	223	0.122	<1	1.85	0.016	0.21	0.1	0.02	3.4	0.1	<0.05	6	<0.5	0.4
28800 88600	Soil	29	31	0.47	605	0.044	1	1.80	0.017	0.08	0.2	0.04	4.9	<0.1	<0.05	5	<0.5	<0.2
29100 87200	Soil	12	24	0.48	154	0.055	<1	1.39	0.019	0.07	0.1	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
29100 87250	Soil	14	51	1.52	355	0.185	<1	2.71	0.020	0.62	<0.1	0.02	7.7	0.3	<0.05	9	<0.5	<0.2
29100 87300	Soil	14	41	0.81	217	0.119	<1	1.96	0.018	0.38	<0.1	0.01	2.9	0.4	<0.05	6	<0.5	<0.2
29100 87350	Soil	9	49	0.90	168	0.116	<1	1.93	0.019	0.12	0.1	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
29100 87400	Soil	16	14	1.75	433	0.159	<1	2.54	0.021	0.56	<0.1	0.01	8.2	0.4	<0.05	10	<0.5	<0.2
29100 87550	Soil	14	22	0.68	228	0.110	1	1.58	0.012	0.23	0.1	0.01	5.0	0.1	<0.05	6	<0.5	<0.2
29100 87600	Soil	14	27	0.97	261	0.096	1	1.92	0.013	0.15	<0.1	0.02	7.9	0.1	<0.05	8	<0.5	<0.2
29100 87650	Soil	14	13	0.86	233	0.139	<1	1.76	0.009	0.47	<0.1	<0.01	8.8	0.3	<0.05	7	<0.5	<0.2
29100 87750	Soil	11	28	0.92	281	0.132	1	2.31	0.025	0.25	<0.1	0.02	4.8	0.2	0.10	7	<0.5	<0.2
29100 87800	Soil	9	30	1.62	378	0.259	<1	3.24	0.054	0.79	<0.1	0.01	5.7	0.5	0.36	8	1.0	<0.2
29100 87850	Soil	11	29	1.11	257	0.145	<1	2.39	0.023	0.43	<0.1	0.02	4.0	0.5	0.07	7	<0.5	<0.2
29100 87900	Soil	14	25	0.98	193	0.149	<1	2.67	0.051	0.35	<0.1	0.01	2.3	0.4	0.06	6	<0.5	<0.2
29100 88000	Soil	14	28	0.73	201	0.118	2	2.15	0.014	0.14	0.1	0.03	3.8	0.2	<0.05	6	<0.5	<0.2
29100 88100	Soil	14	32	0.68	222	0.108	<1	2.10	0.015	0.14	0.1	0.02	3.9	0.2	<0.05	6	<0.5	0.3
29100 88200	Soil	20	30	0.58	236	0.096	1	1.81	0.016	0.09	0.2	0.03	3.9	0.2	<0.05	5	<0.5	<0.2
28900 87500	Soil	13	24	0.71	282	0.115	1	1.87	0.018	0.15	<0.1	0.05	4.4	0.1	<0.05	6	<0.5	<0.2
28900 87550	Soil	18	26	0.73	412	0.142	1	2.23	0.016	0.26	<0.1	0.07	5.4	0.2	<0.05	7	<0.5	<0.2
28900 87600	Soil	11	25	0.83	261	0.146	1	1.95	0.027	0.18	<0.1	0.01	4.5	0.1	<0.05	7	<0.5	<0.2
28900 87700	Soil	11	26	0.93	191	0.130	1	1.96	0.014	0.18	<0.1	0.02	6.2	0.2	<0.05	7	<0.5	<0.2
28900 87750	Soil	12	26	0.63	192	0.109	<1	1.73	0.016	0.16	<0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
28900 87850	Soil	13	27	0.83	241	0.122	<1	2.00	0.028	0.24	<0.1	0.03	4.2	0.3	0.10	6	<0.5	<0.2
28900 87900	Soil	13	28	0.97	300	0.135	1	2.39	0.042	0.32	0.1	0.02	4.7	0.4	0.15	7	0.7	<0.2
28900 88000	Soil	13	31	1.19	315	0.147	<1	3.04	0.139	0.53	<0.1	0.01	5.0	0.5	0.43	7	0.7	0.2
28900 88100	Soil	13	70	0.13	113	0.051	2	0.34	0.007	0.12	0.1	<0.01	1.1	<0.1	<0.05	3	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
28900 88150	Soil	10.1	18.7	49.0	172	<0.1	64.8	5.8	298	2.11	9.2	0.6	9.3	5.7	7	0.2	0.2	1.0	23	0.17
28900 88300	Soil	1.8	27.6	9.2	54	0.5	13.9	9.4	288	2.99	6.6	0.6	9.4	2.6	23	0.1	0.3	0.2	71	0.27
28900 88450	Soil	1.2	19.4	8.4	71	0.3	15.6	11.5	278	2.48	4.7	1.1	5.1	2.9	31	0.2	0.3	0.1	53	0.42
29300 86850	Soil	1.0	15.6	6.7	73	0.1	12.6	10.7	474	3.20	4.1	0.6	2.1	2.4	22	0.1	0.3	0.1	73	0.31
29300 87100	Soil	0.6	18.1	6.9	68	<0.1	21.7	11.5	306	2.96	6.1	0.5	2.4	2.7	18	0.1	0.3	0.1	68	0.25
29300 87150	Soil	0.7	20.7	7.5	52	0.1	15.3	9.2	258	2.44	5.4	0.7	8.5	2.4	20	0.1	0.2	0.1	56	0.26
29300 87200	Soil	0.5	17.9	6.2	105	<0.1	18.0	19.5	650	3.32	5.0	0.5	5.8	2.8	29	0.1	0.2	<0.1	65	0.51
29300 87350	Soil	1.0	18.6	8.2	57	0.1	11.0	9.4	383	2.64	5.4	0.7	6.1	2.4	17	0.2	0.2	0.1	65	0.21
29300 87400	Soil	2.0	19.4	9.3	73	0.2	15.3	10.9	350	2.27	5.5	1.7	4.1	3.5	31	0.3	0.3	0.2	53	0.43
29300 87450	Soil	1.3	19.9	7.3	64	0.2	14.5	9.1	263	2.39	6.2	0.7	4.0	3.8	25	<0.1	0.2	0.3	49	0.41
29300 87550	Soil	1.6	22.1	10.9	70	0.8	13.0	8.6	333	3.28	5.5	0.7	11.2	2.6	37	<0.1	0.2	0.2	79	0.38
29300 87600	Soil	1.4	29.6	12.0	77	0.9	15.7	9.8	315	3.72	5.7	0.8	18.1	2.5	45	<0.1	0.1	0.2	87	0.39
29300 87750	Soil	0.9	18.1	8.2	58	0.5	15.0	9.5	316	2.66	5.8	0.7	9.1	3.6	19	0.1	0.3	0.2	57	0.26
29300 87800	Soil	0.9	15.8	9.1	52	0.6	13.5	8.1	226	2.48	6.1	0.7	4.9	3.0	18	<0.1	0.3	0.1	55	0.22
29300 87850	Soil	1.1	15.4	9.1	60	0.2	13.1	8.6	208	3.00	7.7	0.5	8.3	3.0	17	<0.1	0.3	0.2	71	0.16
29300 87900	Soil	1.4	18.2	11.2	55	0.4	13.9	7.8	228	2.74	8.0	0.6	3.7	3.1	16	<0.1	0.3	0.2	67	0.20
29300 88000	Soil	1.4	29.7	12.0	76	0.5	21.9	14.4	626	3.39	11.2	0.7	2.3	3.4	19	0.2	0.3	0.4	80	0.26
29200 87200	Soil	14.5	60.2	12.5	61	0.2	17.5	11.7	295	3.41	8.3	1.1	4.5	3.1	20	0.1	0.4	0.1	49	0.23
29200 87250	Soil	0.7	20.2	7.7	72	<0.1	23.8	14.2	320	3.16	7.0	0.5	4.3	3.2	17	0.1	0.3	0.1	66	0.25
29200 87300	Soil	0.8	14.8	7.6	76	<0.1	16.1	13.3	378	3.35	7.3	0.4	2.6	2.8	14	<0.1	0.3	0.1	75	0.22
29200 87400	Soil	1.6	15.6	6.8	61	0.1	11.0	6.9	214	1.78	3.1	1.4	2.6	3.5	30	0.2	0.2	0.1	42	0.40
29200 87450	Soil	1.2	21.8	10.0	75	0.3	21.1	10.7	265	2.95	4.7	0.9	9.9	2.9	32	0.1	0.2	0.2	64	0.50
29200 87650	Soil	1.2	23.5	9.5	60	0.8	14.0	11.6	320	3.20	5.6	0.8	25.2	2.5	28	<0.1	0.2	0.2	73	0.26
29200 87700	Soil	1.4	20.0	8.3	58	0.4	15.0	10.1	271	3.12	5.6	0.5	5.7	2.4	26	0.1	0.3	0.2	76	0.20
29200 87750	Soil	2.2	32.1	10.9	80	0.4	13.5	10.1	429	4.10	4.3	0.5	7.4	2.2	52	<0.1	0.2	0.1	93	0.22
29200 87800	Soil	1.3	26.1	10.4	73	1.7	12.9	10.9	493	3.60	4.8	0.7	13.5	2.5	34	0.2	0.2	0.1	74	0.24
29200 87850	Soil	1.1	19.8	8.6	55	0.4	15.5	9.8	258	2.92	6.8	0.6	7.2	3.4	21	<0.1	0.4	0.1	65	0.22
29200 87900	Soil	1.2	22.2	8.3	64	0.4	14.9	11.8	264	3.51	6.4	0.6	4.5	3.2	21	<0.1	0.3	0.1	73	0.17
29200 87950	Soil	1.1	20.4	9.7	65	0.3	19.5	11.2	239	3.31	8.6	0.7	3.4	4.1	19	0.1	0.5	0.2	76	0.17
29200 88000	Soil	1.4	21.0	13.7	65	0.3	20.4	10.2	239	3.22	9.6	0.7	3.7	4.2	19	<0.1	0.5	0.2	68	0.23



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Project: Mariposa
Report Date: July 27, 2010

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CERTIFICATE OF ANALYSIS

WHI10000092.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
28900 88150	Soil	13	97	0.28	78	0.062	2	0.77	0.012	0.22	0.2	0.02	1.7	0.2	<0.05	3	<0.5	1.0
28900 88300	Soil	12	28	0.71	181	0.111	<1	1.88	0.024	0.13	<0.1	0.02	4.0	0.2	<0.05	6	<0.5	<0.2
28900 88450	Soil	13	23	0.57	206	0.095	1	1.56	0.018	0.13	0.1	0.03	4.0	0.1	<0.05	5	<0.5	<0.2
29300 86850	Soil	12	23	0.66	309	0.122	1	1.65	0.020	0.20	0.1	0.03	5.7	0.2	<0.05	6	<0.5	<0.2
29300 87100	Soil	11	30	0.71	163	0.104	<1	1.91	0.014	0.12	0.1	0.02	4.1	0.1	<0.05	7	<0.5	<0.2
29300 87150	Soil	13	26	0.58	204	0.082	1	1.73	0.014	0.06	0.1	0.03	3.7	0.1	<0.05	6	<0.5	<0.2
29300 87200	Soil	12	23	1.49	383	0.165	<1	2.35	0.018	0.38	<0.1	<0.01	6.5	0.2	<0.05	8	<0.5	<0.2
29300 87350	Soil	10	22	0.57	126	0.119	<1	1.59	0.014	0.12	0.1	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
29300 87400	Soil	18	26	0.50	247	0.059	2	1.70	0.012	0.09	0.1	0.05	3.7	0.1	0.07	5	0.6	<0.2
29300 87450	Soil	10	23	0.58	157	0.100	1	1.50	0.016	0.15	<0.1	0.01	2.6	0.2	<0.05	4	<0.5	<0.2
29300 87550	Soil	10	25	0.86	226	0.134	1	2.02	0.021	0.15	<0.1	0.02	3.3	0.2	0.10	7	0.6	<0.2
29300 87600	Soil	9	28	1.16	303	0.147	1	2.72	0.033	0.29	<0.1	0.03	3.7	0.4	0.17	8	0.7	<0.2
29300 87750	Soil	11	24	0.65	165	0.088	1	1.67	0.010	0.11	0.1	0.03	2.7	0.2	<0.05	5	<0.5	<0.2
29300 87800	Soil	11	23	0.56	208	0.074	2	1.76	0.009	0.10	0.1	0.02	2.4	0.1	<0.05	6	<0.5	<0.2
29300 87850	Soil	9	21	0.67	142	0.107	2	1.91	0.011	0.19	<0.1	0.02	2.3	0.2	<0.05	7	<0.5	<0.2
29300 87900	Soil	10	27	0.59	175	0.093	1	2.02	0.012	0.12	0.1	0.03	2.9	0.2	<0.05	7	<0.5	<0.2
29300 88000	Soil	9	37	0.95	236	0.143	1	2.52	0.013	0.21	0.2	0.04	3.2	0.3	<0.05	7	<0.5	<0.2
29200 87200	Soil	12	26	0.54	156	0.038	<1	1.50	0.025	0.10	0.1	0.03	4.1	0.1	0.06	5	<0.5	<0.2
29200 87250	Soil	10	31	0.75	164	0.088	1	2.15	0.013	0.10	0.1	0.02	3.3	0.1	<0.05	7	<0.5	<0.2
29200 87300	Soil	10	24	1.06	133	0.125	1	2.06	0.013	0.10	0.2	0.01	4.0	0.1	<0.05	9	<0.5	<0.2
29200 87400	Soil	13	18	0.39	199	0.051	1	1.23	0.011	0.08	0.1	0.03	2.6	0.1	<0.05	4	<0.5	<0.2
29200 87450	Soil	12	35	0.91	264	0.095	<1	1.95	0.018	0.11	<0.1	0.02	4.6	0.2	<0.05	7	<0.5	<0.2
29200 87650	Soil	11	26	0.82	207	0.119	1	2.11	0.016	0.17	0.1	0.03	3.4	0.2	0.07	6	0.6	<0.2
29200 87700	Soil	8	25	0.80	197	0.135	1	2.06	0.016	0.25	<0.1	0.02	3.2	0.3	0.06	7	0.5	<0.2
29200 87750	Soil	8	31	1.26	347	0.176	<1	2.59	0.034	0.47	<0.1	0.02	4.1	0.3	0.27	7	0.8	0.3
29200 87800	Soil	9	27	0.99	209	0.171	1	2.61	0.021	0.33	<0.1	0.02	2.5	0.5	0.05	7	<0.5	<0.2
29200 87850	Soil	11	28	0.64	182	0.106	<1	2.01	0.010	0.14	0.1	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
29200 87900	Soil	8	28	0.79	148	0.138	<1	2.49	0.014	0.27	0.2	0.03	2.9	0.3	<0.05	7	<0.5	<0.2
29200 87950	Soil	10	34	0.62	171	0.095	1	2.31	0.010	0.12	0.1	0.02	2.9	0.2	<0.05	7	<0.5	<0.2
29200 88000	Soil	10	28	0.61	228	0.086	2	2.51	0.011	0.09	0.2	0.04	3.1	0.1	<0.05	7	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
29200 88050	Soil	0.8	17.0	9.4	51	0.1	15.4	8.4	210	2.64	7.3	0.6	2.5	2.9	17	<0.1	0.3	0.2	64	0.23	0.043
29000 87300	Soil	1.3	22.0	8.6	66	<0.1	20.2	12.1	298	2.96	6.3	0.7	4.5	3.7	16	<0.1	0.3	0.2	64	0.24	0.064
29000 87350	Soil	3.0	47.6	6.2	76	<0.1	34.7	17.4	310	3.64	4.5	0.7	2.1	2.3	16	0.1	0.4	<0.1	96	0.40	0.143
29000 87400	Soil	0.7	40.5	8.8	71	<0.1	27.3	16.2	284	2.70	3.6	0.7	79.5	3.6	24	0.1	0.3	0.1	50	0.40	0.102
29000 87600	Soil	0.9	24.8	7.7	85	0.1	14.1	15.4	545	3.80	5.2	0.5	10.6	2.8	21	0.1	0.3	0.1	87	0.31	0.057
29000 87650	Soil	0.8	17.9	6.2	68	0.1	13.9	11.9	359	2.91	5.1	0.6	5.5	3.4	18	<0.1	0.3	0.1	60	0.25	0.043
29000 87700	Soil	1.2	26.7	9.1	64	0.2	17.3	12.2	362	3.29	7.5	0.8	9.9	3.9	19	0.1	0.3	0.2	73	0.24	0.031
29000 87750	Soil	1.7	25.1	11.0	63	0.2	15.4	13.3	428	2.95	7.1	0.6	5.8	3.3	20	0.2	0.4	0.2	67	0.25	0.034
29000 87800	Soil	1.2	26.7	9.1	59	0.4	16.8	9.7	266	3.15	7.6	0.9	25.6	3.4	27	0.1	0.4	0.2	68	0.27	0.048
29000 87850	Soil	1.4	27.5	9.3	66	0.5	14.9	11.4	320	3.54	5.8	0.8	20.1	3.3	33	0.1	0.3	0.2	72	0.23	0.047
29000 87900	Soil	1.0	24.6	10.0	73	0.7	13.7	11.6	384	3.29	5.3	0.7	17.9	3.0	33	0.1	0.2	0.3	65	0.32	0.050
29000 87950	Soil	2.1	31.5	15.2	93	0.8	8.8	9.2	605	4.89	5.5	0.7	14.5	2.4	68	<0.1	0.1	0.8	141	0.32	0.063
29000 88000	Soil	1.0	22.5	9.0	76	0.2	14.7	11.1	323	3.22	6.2	0.6	128.9	3.6	24	0.1	0.2	0.2	64	0.23	0.037
29000 88150	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
29200 88050	Soil	10	27	0.61	156	0.090	2	1.96	0.012	0.08	0.1	0.03	2.9	0.2	<0.05	6	<0.5	<0.2
29000 87300	Soil	12	31	0.70	197	0.093	2	2.02	0.015	0.11	0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
29000 87350	Soil	11	56	1.21	260	0.119	<1	2.16	0.015	0.52	<0.1	0.01	5.7	0.3	<0.05	7	<0.5	<0.2
29000 87400	Soil	15	31	0.92	289	0.096	<1	1.89	0.019	0.23	0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
29000 87600	Soil	10	21	1.08	198	0.122	<1	2.08	0.019	0.26	<0.1	0.01	5.2	0.2	<0.05	8	<0.5	<0.2
29000 87650	Soil	12	24	0.82	154	0.116	1	1.75	0.014	0.19	0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
29000 87700	Soil	11	31	0.76	185	0.106	<1	2.13	0.014	0.13	0.1	0.02	3.8	0.2	<0.05	7	<0.5	<0.2
29000 87750	Soil	10	28	0.66	170	0.105	1	1.87	0.017	0.14	0.1	0.02	3.3	0.2	<0.05	6	<0.5	0.2
29000 87800	Soil	12	30	0.72	214	0.098	1	1.98	0.019	0.15	<0.1	0.03	3.7	0.2	0.07	6	<0.5	<0.2
29000 87850	Soil	11	29	0.93	224	0.118	<1	2.05	0.030	0.23	0.1	0.02	3.8	0.3	0.14	7	0.5	<0.2
29000 87900	Soil	11	28	0.96	221	0.132	<1	2.18	0.028	0.32	<0.1	0.01	3.6	0.4	0.06	6	<0.5	0.5
29000 87950	Soil	15	31	1.77	436	0.158	<1	3.15	0.051	0.73	<0.1	0.01	7.9	0.6	0.34	9	0.7	<0.2
29000 88000	Soil	11	24	0.83	166	0.137	<1	2.07	0.012	0.21	0.1	0.01	3.2	0.3	<0.05	7	<0.5	<0.2
29000 88150	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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QUALITY CONTROL REPORT

WHI10000092.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
25300 89100	Soil	4.3	176.9	25.3	152	0.2	20.3	14.2	986	4.28	5.1	0.8	14.0	5.1	27	0.4	0.3	0.7	79	0.58	0.055
REP 25300 89100	QC	4.1	175.6	25.1	154	0.2	20.4	14.5	985	4.27	4.9	0.8	16.2	4.9	26	0.3	0.3	0.7	81	0.58	0.052
25400 87800	Soil	1.7	15.9	7.1	55	<0.1	5.6	4.5	260	3.00	4.3	2.4	<0.5	14.2	69	<0.1	0.1	<0.1	27	0.15	0.043
REP 25400 87800	QC	1.6	15.9	7.1	54	<0.1	6.2	4.2	259	2.97	4.1	2.4	0.6	14.1	68	<0.1	0.1	<0.1	28	0.16	0.044
25400 88050	Soil	1.0	12.5	8.3	110	<0.1	6.6	8.3	786	4.46	3.0	0.4	0.6	2.0	28	<0.1	0.2	0.1	33	0.36	0.082
REP 25400 88050	QC	0.9	13.1	7.5	120	<0.1	6.8	8.9	811	4.61	2.7	0.3	1.1	1.9	28	<0.1	0.2	0.1	33	0.37	0.084
25400 89500	Soil	6.2	58.1	26.8	118	0.3	17.2	7.7	472	2.99	5.5	0.9	45.4	7.5	22	0.4	0.7	0.4	43	0.18	0.016
REP 25400 89500	QC	6.2	61.4	26.7	123	0.3	15.8	7.7	514	2.95	5.4	0.9	33.5	7.5	21	0.3	0.7	0.4	41	0.18	0.016
25800 88550	Soil	1.1	29.8	9.8	58	<0.1	26.7	11.7	364	3.02	11.1	0.4	1.4	3.4	19	0.1	0.6	0.1	78	0.21	0.027
REP 25800 88550	QC	1.1	29.0	9.6	57	<0.1	27.0	11.8	369	3.07	10.5	0.4	<0.5	3.2	19	<0.1	0.6	0.1	77	0.20	0.027
25800 89400	Soil	2.0	24.6	10.3	50	<0.1	20.9	9.1	330	2.94	6.5	1.0	17.0	8.7	26	<0.1	0.4	0.2	56	0.23	0.027
REP 25800 89400	QC	2.1	25.8	10.8	52	<0.1	21.5	9.1	345	3.05	7.1	0.9	43.3	9.2	27	<0.1	0.4	0.2	59	0.24	0.028
25700 89250	Soil	2.4	327.5	9.9	194	<0.1	6.9	5.4	539	3.90	16.3	1.6	2.3	19.9	13	0.5	0.4	0.4	30	0.19	0.069
REP 25700 89250	QC	2.5	331.4	9.7	199	<0.1	6.9	5.6	549	3.97	16.4	1.6	2.2	20.6	13	0.4	0.4	0.4	31	0.19	0.069
25700 89300	Soil	3.2	235.9	11.4	93	0.1	10.1	7.0	326	3.31	4.9	1.2	8.2	12.1	30	0.1	0.3	0.2	35	0.24	0.027
REP 25700 89300	QC	3.3	243.5	11.0	94	0.1	10.8	7.2	336	3.45	5.1	1.2	7.6	12.2	31	<0.1	0.3	0.2	35	0.23	0.026
29100 87800	Soil	2.6	41.3	7.4	86	1.1	12.8	11.1	449	5.34	2.3	0.6	11.3	1.9	51	<0.1	<0.1	0.1	115	0.21	0.072
REP 29100 87800	QC	2.5	41.3	7.6	88	1.1	12.0	11.2	437	5.22	2.3	0.7	12.7	1.8	51	<0.1	<0.1	0.2	115	0.20	0.073
28900 87750	Soil	2.3	32.9	19.7	62	0.3	13.2	8.0	262	2.68	5.7	0.7	7.8	3.0	20	0.2	0.3	0.2	63	0.24	0.039
REP 28900 87750	QC	2.4	32.4	20.1	63	0.3	14.1	8.1	261	2.65	5.9	0.7	11.6	2.9	21	0.2	0.3	0.2	61	0.23	0.039
29300 87550	Soil	1.6	22.1	10.9	70	0.8	13.0	8.6	333	3.28	5.5	0.7	11.2	2.6	37	<0.1	0.2	0.2	79	0.38	0.051
REP 29300 87550	QC	1.5	22.5	10.7	73	0.9	13.0	8.5	332	3.26	5.2	0.8	10.3	2.7	37	<0.1	0.1	0.2	78	0.38	0.051
29200 88050	Soil	0.8	17.0	9.4	51	0.1	15.4	8.4	210	2.64	7.3	0.6	2.5	2.9	17	<0.1	0.3	0.2	64	0.23	0.043
REP 29200 88050	QC	0.9	17.1	9.3	50	0.1	15.2	8.7	205	2.67	7.0	0.6	3.1	2.8	17	<0.1	0.3	0.2	65	0.23	0.043
Reference Materials																					
STD DS7	Standard	20.8	107.1	68.0	401	1.0	54.1	9.9	652	2.41	52.3	4.6	66.2	4.5	75	6.4	5.8	4.6	85	0.98	0.080
STD DS7	Standard	19.2	102.6	64.1	386	0.9	52.8	9.1	632	2.40	51.8	4.7	73.6	4.7	77	6.8	6.0	4.8	80	0.94	0.079
STD DS7	Standard	20.6	109.1	66.1	394	1.0	54.5	9.4	639	2.45	53.1	5.0	69.1	4.8	79	6.2	6.1	4.8	85	1.00	0.080



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Project: Mariposa
Report Date: July 27, 2010

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
25300 89100	Soil	16	49	1.07	328	0.115	<1	2.31	0.012	0.21	<0.1	0.01	5.1	0.2	<0.05	10	<0.5	0.7
REP 25300 89100	QC	16	49	1.04	320	0.112	2	2.19	0.012	0.21	<0.1	0.02	5.0	0.2	<0.05	10	0.5	<0.2
25400 87800	Soil	23	11	0.59	135	0.145	<1	1.32	0.029	0.53	<0.1	<0.01	2.0	0.4	0.21	4	<0.5	0.3
REP 25400 87800	QC	23	11	0.58	129	0.149	<1	1.33	0.031	0.52	<0.1	<0.01	2.1	0.3	0.21	4	0.5	<0.2
25400 88050	Soil	3	10	1.25	448	0.266	2	2.57	0.008	1.35	0.1	<0.01	1.7	0.4	<0.05	8	<0.5	<0.2
REP 25400 88050	QC	3	10	1.28	448	0.265	2	2.55	0.008	1.37	<0.1	<0.01	1.7	0.4	<0.05	8	<0.5	<0.2
25400 89500	Soil	17	26	0.44	331	0.037	2	2.00	0.007	0.15	0.1	0.02	3.2	0.1	<0.05	5	<0.5	<0.2
REP 25400 89500	QC	17	25	0.43	326	0.034	1	1.97	0.009	0.16	<0.1	0.03	3.1	0.1	<0.05	5	<0.5	<0.2
25800 88550	Soil	8	45	0.75	235	0.105	1	2.27	0.016	0.06	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
REP 25800 88550	QC	7	44	0.76	236	0.100	<1	2.21	0.015	0.06	0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
25800 89400	Soil	22	42	0.59	311	0.076	1	2.13	0.013	0.10	<0.1	0.03	4.6	0.1	<0.05	6	<0.5	0.2
REP 25800 89400	QC	23	44	0.62	322	0.080	1	2.20	0.014	0.10	<0.1	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
25700 89250	Soil	38	10	0.46	247	0.108	<1	2.01	0.009	0.54	<0.1	0.01	2.3	0.4	<0.05	7	0.6	<0.2
REP 25700 89250	QC	38	12	0.45	252	0.106	<1	1.98	0.010	0.52	<0.1	<0.01	2.2	0.4	<0.05	7	<0.5	0.3
25700 89300	Soil	23	25	0.54	400	0.119	<1	2.13	0.009	0.36	0.1	<0.01	2.7	0.3	<0.05	7	<0.5	<0.2
REP 25700 89300	QC	24	27	0.56	383	0.125	<1	2.18	0.012	0.38	<0.1	0.01	2.8	0.3	<0.05	8	<0.5	<0.2
29100 87800	Soil	9	30	1.62	378	0.259	<1	3.24	0.054	0.79	<0.1	0.01	5.7	0.5	0.36	8	1.0	<0.2
REP 29100 87800	QC	9	29	1.59	385	0.255	<1	3.31	0.054	0.78	<0.1	0.01	5.7	0.5	0.35	8	1.0	0.3
28900 87750	Soil	12	26	0.63	192	0.109	<1	1.73	0.016	0.16	<0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
REP 28900 87750	QC	12	26	0.63	192	0.112	1	1.70	0.016	0.17	0.1	0.03	4.1	0.1	<0.05	6	<0.5	<0.2
29300 87550	Soil	10	25	0.86	226	0.134	1	2.02	0.021	0.15	<0.1	0.02	3.3	0.2	0.10	7	0.6	<0.2
REP 29300 87550	QC	10	24	0.86	234	0.126	2	1.99	0.021	0.15	<0.1	0.02	3.3	0.2	0.11	7	0.7	<0.2
29200 88050	Soil	10	27	0.61	156	0.090	2	1.96	0.012	0.08	0.1	0.03	2.9	0.2	<0.05	6	<0.5	<0.2
REP 29200 88050	QC	10	27	0.61	164	0.088	1	1.92	0.010	0.08	0.2	0.03	2.9	0.2	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	13	205	1.06	393	0.116	38	1.04	0.097	0.48	3.9	0.24	2.3	4.3	0.21	5	3.8	1.5
STD DS7	Standard	12	193	1.05	411	0.112	37	1.05	0.100	0.46	3.9	0.20	2.3	4.3	0.18	5	3.0	2.0
STD DS7	Standard	13	198	1.08	429	0.121	40	1.08	0.103	0.48	4.0	0.21	2.6	4.4	0.15	5	3.2	1.1



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Project: Mariposa

Report Date: July 27, 2010

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QUALITY CONTROL REPORT

WHI10000092.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS7	Standard	21.0	105.3	67.0	386	0.9	53.7	9.1	616	2.31	51.0	5.0	79.2	4.8	76	6.4	6.0	4.7	80	0.99	0.079
STD DS7	Standard	20.6	113.0	62.1	378	0.9	54.3	9.2	608	2.30	50.9	4.5	60.0	4.4	74	5.7	5.6	4.1	82	0.92	0.073
STD DS7	Standard	20.7	112.3	71.0	398	1.0	56.5	9.7	625	2.40	51.3	4.6	68.2	4.3	71	6.3	5.8	4.3	85	0.92	0.074
STD DS7	Standard	21.1	106.0	68.6	393	0.9	54.1	9.5	621	2.38	51.0	4.3	78.8	4.6	70	6.1	5.6	4.3	85	0.91	0.074
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa

Report Date: July 27, 2010

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QUALITY CONTROL REPORT

WHI10000092.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS7	Standard	13	190	1.07	435	0.115	36	1.05	0.102	0.47	3.9	0.22	2.2	4.3	0.22	5	2.9	1.5
STD DS7	Standard	13	190	1.02	398	0.125	37	1.02	0.101	0.46	3.3	0.21	2.6	3.8	0.16	5	2.6	0.8
STD DS7	Standard	12	196	1.02	408	0.128	39	0.99	0.091	0.46	3.8	0.20	2.6	4.1	0.18	5	3.3	1.7
STD DS7	Standard	12	194	1.03	408	0.124	39	1.01	0.096	0.46	3.9	0.22	2.4	3.9	0.17	5	2.5	1.1
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: July 19, 2010

Report Date: July 30, 2010

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CERTIFICATE OF ANALYSIS

WHI10000113.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-5
P.O. Number
Number of Samples: 360

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
TRTN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
Michael Renning
John Brock

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	360	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	360	Dry at 60C			WHI
RJSV	360	Saving all or part of Soil Reject			WHI
1DX2	359	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.

“**” asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

WHI10000113.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
21000 90000	Soil	1.1	28.9	9.0	106	<0.1	27.4	19.2	1096	5.37	5.1	0.7	4.0	4.1	31	0.2	0.4	0.2	121	0.72	0.074
21000 90050	Soil	0.9	24.6	58.9	251	0.8	9.1	9.2	1222	4.02	2.4	0.5	9.0	6.0	15	0.7	0.2	0.2	50	0.51	0.107
21000 90100	Soil	1.1	37.5	71.3	198	<0.1	27.4	17.7	1547	4.68	2.7	0.7	4.9	4.9	21	0.7	0.3	0.2	79	0.61	0.091
21000 90150	Soil	0.7	8.2	9.2	64	<0.1	9.6	7.4	983	3.16	1.3	0.5	10.1	2.7	19	<0.1	0.2	<0.1	63	0.49	0.116
21000 90200	Soil	0.7	13.0	7.8	72	<0.1	27.8	13.2	916	4.43	3.1	0.6	0.6	6.5	20	<0.1	0.3	<0.1	81	0.48	0.135
21000 90250	Soil	1.2	16.9	10.0	72	<0.1	20.3	14.9	629	4.23	7.8	0.5	<0.5	3.2	28	<0.1	0.4	0.1	102	0.44	0.049
21000 90300	Soil	0.5	149.1	7.1	76	<0.1	15.3	21.6	761	5.13	2.3	0.7	5.6	2.3	50	<0.1	0.2	<0.1	129	1.43	0.396
21000 90350	Soil	0.7	9.1	5.5	66	<0.1	13.5	19.2	1305	4.58	3.1	0.5	0.7	2.3	30	0.2	0.2	<0.1	134	0.64	0.163
21000 90400	Soil	0.9	15.2	9.0	76	<0.1	19.6	16.7	914	4.54	6.1	0.4	1.2	2.6	37	0.1	0.4	<0.1	132	0.54	0.073
21000 90450	Soil	1.1	19.9	10.6	61	<0.1	22.3	11.8	452	3.84	9.6	0.5	1.3	4.4	14	<0.1	0.5	0.1	89	0.15	0.030
21000 90550	Soil	1.2	25.4	10.5	69	<0.1	24.3	11.8	505	4.01	9.8	0.8	10.6	5.6	29	<0.1	0.8	0.1	89	0.37	0.060
21000 90600	Soil	1.1	33.3	9.0	59	<0.1	24.8	10.4	582	3.32	6.7	1.2	4.0	4.0	37	<0.1	0.5	0.1	79	0.46	0.060
21000 90650	Soil	1.9	18.5	17.5	55	<0.1	24.9	10.4	408	3.12	6.3	0.6	16.4	3.2	28	<0.1	0.6	<0.1	68	0.36	0.042
21000 90700	Soil	0.7	37.8	7.0	104	<0.1	14.3	13.8	813	4.49	5.1	0.8	1.1	3.8	30	<0.1	0.3	<0.1	118	0.47	0.091
21000 90750	Soil	1.1	24.1	9.3	81	<0.1	25.0	11.8	639	3.68	9.4	0.6	1.6	3.5	31	0.1	0.5	0.1	90	0.34	0.048
21000 90800	Soil	0.8	45.5	7.0	90	<0.1	30.2	14.4	1117	4.51	4.6	0.6	5.0	4.3	47	<0.1	0.3	<0.1	118	0.85	0.214
21000 90850	Soil	0.7	17.6	7.5	71	<0.1	23.3	15.2	640	4.20	6.8	0.5	0.9	4.3	23	<0.1	0.4	0.1	105	0.35	0.081
21000 91000	Soil	1.0	25.1	10.1	81	<0.1	14.3	11.8	723	4.11	4.8	0.6	2.0	3.2	26	<0.1	0.2	0.1	98	0.52	0.142
21000 91050	Soil	1.1	14.4	8.1	85	<0.1	13.8	14.9	1634	4.53	4.9	0.5	2.8	2.8	23	0.1	0.3	0.1	121	0.31	0.099
21000 91100	Soil	1.2	21.7	9.3	114	<0.1	21.5	21.6	1106	6.34	2.7	0.6	2.3	3.1	36	<0.1	0.2	<0.1	172	0.77	0.174
28400 87900	Soil	1.3	18.2	8.5	69	0.2	18.0	10.3	341	3.05	6.8	0.7	1.1	2.4	23	<0.1	0.2	0.2	67	0.34	0.081
28400 87950	Soil	1.4	17.9	10.8	65	0.2	17.5	10.3	359	2.97	7.1	0.5	13.4	2.7	26	<0.1	0.2	0.2	75	0.30	0.058
28400 88100	Soil	0.9	27.3	11.0	68	0.2	14.7	9.1	242	2.83	5.4	1.3	4.2	2.3	26	0.2	0.2	0.3	57	0.31	0.067
28400 88200	Soil	1.2	16.5	9.5	67	0.2	14.3	10.7	322	2.94	6.3	0.7	11.6	2.4	29	0.1	0.2	0.2	61	0.37	0.064
28400 88250	Soil	1.0	17.9	10.4	68	0.2	12.1	7.8	199	2.36	7.2	1.0	3.4	2.4	28	0.1	0.2	0.3	55	0.33	0.059
28400 88400	Soil	1.5	13.2	8.9	52	0.1	15.9	6.1	282	2.61	4.4	0.8	7.0	10.4	18	<0.1	0.4	0.1	40	0.17	0.029
28400 88450	Soil	1.7	15.0	11.5	51	0.1	19.1	7.8	312	3.12	9.1	0.6	2.8	6.9	23	0.2	0.5	0.2	67	0.22	0.031
28400 88500	Soil	1.9	13.9	14.6	45	0.2	17.7	7.8	589	2.40	5.0	0.9	6.6	6.6	28	0.1	0.4	0.1	42	0.35	0.036
28500 88150	Soil	1.0	27.2	9.6	52	0.3	13.6	6.5	165	2.40	4.5	1.1	4.8	1.2	27	0.2	0.2	0.3	48	0.25	0.060
28500 88250	Soil	1.3	19.4	11.5	67	0.4	13.8	8.2	268	2.69	5.8	1.2	3.5	2.3	33	0.2	0.2	0.3	62	0.40	0.066



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Project: Mariposa
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
21000 90000	Soil	20	46	1.70	463	0.044	1	2.83	0.012	0.20	0.1	0.01	11.7	<0.1	0.06	11	<0.5	<0.2
21000 90050	Soil	23	11	0.66	400	0.006	<1	1.59	0.006	0.13	<0.1	0.03	6.2	<0.1	<0.05	8	0.5	<0.2
21000 90100	Soil	25	42	1.49	630	0.013	<1	2.42	0.011	0.14	<0.1	0.02	8.4	<0.1	<0.05	9	<0.5	<0.2
21000 90150	Soil	15	11	0.36	445	0.034	<1	1.02	0.009	0.30	<0.1	0.02	8.4	<0.1	<0.05	4	<0.5	<0.2
21000 90200	Soil	15	43	1.30	483	0.168	1	2.30	0.009	0.85	<0.1	0.01	7.7	0.2	<0.05	9	<0.5	<0.2
21000 90250	Soil	13	29	1.52	493	0.142	1	2.86	0.014	0.30	0.1	0.02	8.9	<0.1	<0.05	10	<0.5	<0.2
21000 90300	Soil	12	22	1.42	454	0.124	2	2.62	0.044	0.23	<0.1	0.01	13.4	<0.1	<0.05	9	0.5	<0.2
21000 90350	Soil	6	17	1.98	440	0.159	1	2.77	0.014	0.99	<0.1	<0.01	10.4	0.1	<0.05	9	<0.5	<0.2
21000 90400	Soil	7	26	1.44	479	0.187	2	2.60	0.016	0.47	<0.1	0.01	7.2	<0.1	<0.05	9	<0.5	<0.2
21000 90450	Soil	9	35	0.96	178	0.160	<1	2.54	0.012	0.35	0.1	<0.01	6.6	0.1	<0.05	8	<0.5	<0.2
21000 90550	Soil	19	35	0.94	468	0.133	1	2.34	0.015	0.35	0.2	0.02	8.6	0.1	<0.05	8	0.5	<0.2
21000 90600	Soil	25	35	0.73	835	0.126	2	1.83	0.028	0.28	0.2	0.03	8.1	<0.1	<0.05	6	<0.5	<0.2
21000 90650	Soil	11	40	0.66	446	0.114	2	1.59	0.013	0.33	0.1	0.02	5.6	0.1	<0.05	5	<0.5	<0.2
21000 90700	Soil	13	24	1.47	730	0.195	<1	2.57	0.016	0.81	<0.1	0.01	11.1	0.3	<0.05	9	<0.5	<0.2
21000 90750	Soil	11	37	1.06	498	0.159	2	2.31	0.016	0.41	0.1	0.01	6.3	0.2	<0.05	8	<0.5	<0.2
21000 90800	Soil	15	43	1.56	777	0.160	1	2.52	0.018	0.64	0.1	0.01	9.2	0.2	<0.05	9	<0.5	<0.2
21000 90850	Soil	10	46	1.56	353	0.239	<1	2.57	0.015	0.88	0.1	0.01	6.9	0.3	<0.05	9	<0.5	<0.2
21000 91000	Soil	11	28	1.13	484	0.196	2	2.20	0.019	0.58	<0.1	0.01	8.2	0.2	<0.05	8	<0.5	<0.2
21000 91050	Soil	11	28	1.37	530	0.225	1	2.37	0.015	0.81	<0.1	0.02	8.6	0.2	<0.05	10	<0.5	<0.2
21000 91100	Soil	13	48	2.54	697	0.339	<1	3.67	0.022	1.57	<0.1	0.02	13.9	0.5	<0.05	14	<0.5	<0.2
28400 87900	Soil	10	33	0.83	145	0.115	<1	1.83	0.021	0.15	0.1	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
28400 87950	Soil	10	34	0.74	144	0.122	<1	1.94	0.018	0.10	0.1	0.03	3.5	0.2	<0.05	7	<0.5	0.3
28400 88100	Soil	16	30	0.70	227	0.090	<1	2.14	0.016	0.10	<0.1	0.04	4.8	0.1	<0.05	7	<0.5	<0.2
28400 88200	Soil	10	27	0.59	152	0.106	<1	1.84	0.021	0.09	0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
28400 88250	Soil	11	21	0.52	162	0.102	1	1.90	0.015	0.08	0.1	0.03	2.9	0.1	<0.05	6	<0.5	0.2
28400 88400	Soil	30	27	0.40	324	0.063	<1	1.44	0.011	0.14	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
28400 88450	Soil	22	35	0.48	392	0.051	<1	2.05	0.010	0.10	0.1	0.01	3.1	0.1	<0.05	7	<0.5	<0.2
28400 88500	Soil	40	29	0.32	768	0.033	1	1.39	0.011	0.13	0.1	0.03	3.0	<0.1	<0.05	5	<0.5	0.3
28500 88150	Soil	14	27	0.49	178	0.079	1	1.76	0.018	0.10	<0.1	0.05	2.7	0.1	0.05	6	<0.5	0.2
28500 88250	Soil	12	28	0.54	178	0.100	<1	2.01	0.015	0.09	0.1	0.04	3.1	0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
28500 88300	Soil	1.4	15.7	10.9	68	<0.1	10.7	11.6	417	2.43	6.7	0.7	2.0	2.9	23	0.1	0.2	0.3	54	0.30	0.064
28500 88350	Soil	1.4	29.2	16.0	82	0.3	13.4	8.6	279	2.66	6.3	2.2	3.2	3.5	28	0.2	0.2	0.6	54	0.27	0.064
28500 88400	Soil	1.5	17.1	10.9	68	0.2	10.3	5.5	139	1.94	4.3	1.5	2.4	1.6	34	0.2	0.2	0.4	37	0.30	0.053
28500 88500	Soil	1.5	15.6	9.3	44	0.1	15.1	7.3	428	2.27	5.6	1.5	4.3	6.2	47	0.1	0.4	0.1	46	0.43	0.035
28500 88550	Soil	1.8	16.9	8.9	48	0.2	15.5	8.4	505	2.86	4.8	0.7	3.6	6.4	23	<0.1	0.5	0.2	54	0.23	0.026
28600 87750	Soil	1.0	25.7	8.9	80	0.2	15.7	12.8	353	3.29	4.4	0.8	4.2	3.1	25	<0.1	0.3	0.2	86	0.32	0.064
28600 87800	Soil	1.2	27.6	9.6	60	0.2	11.1	9.2	282	2.88	4.5	0.8	3.6	1.7	18	0.1	0.2	0.2	62	0.25	0.071
28600 88200	Soil	1.9	25.9	10.1	64	0.4	16.7	10.1	308	3.08	6.2	0.8	6.4	2.3	35	<0.1	0.2	0.3	58	0.33	0.075
28600 88350	Soil	1.1	18.0	13.2	76	0.3	11.6	6.6	167	2.20	5.2	1.5	2.6	1.9	31	0.2	0.2	0.3	42	0.30	0.056
28700 87600	Soil	1.4	28.1	9.9	72	0.2	16.1	10.8	324	3.22	7.0	0.9	4.3	2.7	22	0.1	0.3	0.2	66	0.28	0.075
28700 87650	Soil	1.6	26.0	9.2	82	0.1	13.3	12.6	424	3.41	5.0	0.9	4.3	3.0	20	<0.1	0.3	0.2	70	0.25	0.067
28700 87700	Soil	1.2	27.4	9.1	74	0.1	11.8	12.3	416	3.45	4.7	0.8	2.8	2.5	19	0.1	0.2	0.1	78	0.27	0.068
28700 87850	Soil	1.4	27.6	9.4	53	0.3	11.6	7.0	181	2.72	6.5	0.8	7.1	2.9	20	<0.1	0.2	0.3	63	0.21	0.044
28700 88000	Soil	1.6	25.2	10.1	79	0.2	17.3	11.8	354	3.45	7.9	0.6	4.8	2.9	21	<0.1	0.3	0.3	71	0.25	0.079
28700 88150	Soil	1.1	21.0	9.0	78	0.3	13.3	9.6	337	3.09	6.9	0.7	5.3	2.6	39	0.1	0.2	0.3	57	0.31	0.071
28700 88200	Soil	1.1	27.4	12.2	62	0.4	17.8	7.9	178	2.64	8.1	1.1	6.5	1.8	32	0.2	0.3	0.3	53	0.40	0.055
28700 88350	Soil	2.2	18.2	11.4	87	0.2	13.8	10.6	350	2.83	6.6	1.0	2.7	2.6	30	0.1	0.2	0.3	68	0.36	0.069
28700 88400	Soil	2.4	23.1	12.2	89	0.2	12.0	9.8	311	2.94	6.0	2.3	8.6	1.8	50	0.2	0.2	0.3	65	0.44	0.065
28700 88450	Soil	1.6	32.2	14.1	77	0.3	13.6	5.9	172	2.47	7.7	2.0	2.1	1.8	27	0.2	0.3	0.5	41	0.29	0.065
20900 90000	Soil	1.1	31.7	7.0	111	<0.1	10.2	18.3	1370	4.76	7.9	0.8	9.1	2.8	141	0.1	1.3	<0.1	78	8.62	0.250
20900 90050	Soil	1.5	133.9	18.7	150	0.2	20.6	10.6	1563	4.14	4.4	0.7	4.4	4.2	42	0.2	0.3	0.2	52	2.18	0.100
20900 90100	Soil	0.6	9.8	8.5	87	<0.1	14.3	16.0	795	5.22	4.2	0.6	1.0	4.0	29	<0.1	0.2	<0.1	92	0.52	0.097
20900 90150	Soil	0.4	20.7	9.2	96	<0.1	41.5	21.1	1038	4.53	3.9	0.6	4.2	6.2	67	0.1	0.6	<0.1	118	2.04	0.162
20900 90200	Soil	0.8	16.1	7.2	81	<0.1	37.2	17.3	995	5.10	3.4	0.7	0.9	4.5	23	0.1	0.3	<0.1	90	0.61	0.114
20900 90250	Soil	0.3	81.9	6.8	73	<0.1	19.5	19.4	1246	4.93	4.3	0.4	3.8	2.7	27	<0.1	0.4	<0.1	90	1.11	0.254
20900 90300	Soil	0.3	14.3	4.1	105	<0.1	7.5	9.6	696	4.17	4.3	0.7	2.2	7.7	15	<0.1	0.2	<0.1	81	0.37	0.142
20900 90350	Soil	0.6	28.8	9.0	90	<0.1	16.8	14.6	889	4.69	4.8	0.6	3.9	4.4	36	<0.1	0.3	0.1	98	0.60	0.158
20900 90400	Soil	0.6	13.5	6.1	114	<0.1	11.2	10.1	913	4.12	4.8	0.7	9.0	5.3	20	<0.1	0.3	<0.1	67	0.29	0.095
20900 90450	Soil	0.8	10.1	12.5	66	<0.1	14.7	13.1	1057	4.33	4.9	0.5	3.2	5.7	25	<0.1	0.4	<0.1	104	0.36	0.054
20900 90500	Soil	0.4	15.0	7.8	74	<0.1	17.8	17.0	806	4.79	7.0	0.5	2.1	3.8	30	<0.1	0.3	<0.1	143	0.44	0.044



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
28500 88300	Soil	9	18	0.48	127	0.099	<1	1.58	0.015	0.10	0.1	0.01	2.5	0.1	<0.05	5	<0.5	<0.2
28500 88350	Soil	18	24	0.48	215	0.085	<1	2.14	0.012	0.10	0.1	0.05	3.9	0.2	<0.05	7	<0.5	<0.2
28500 88400	Soil	11	19	0.39	146	0.070	<1	1.61	0.014	0.07	0.1	0.05	2.6	0.1	0.05	6	<0.5	<0.2
28500 88500	Soil	24	26	0.45	446	0.059	9	1.56	0.014	0.10	0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
28500 88550	Soil	27	26	0.38	595	0.037	<1	1.56	0.011	0.23	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
28600 87750	Soil	12	28	0.92	206	0.145	<1	2.04	0.018	0.17	<0.1	0.04	4.4	0.1	0.10	7	<0.5	<0.2
28600 87800	Soil	11	23	0.71	182	0.111	<1	1.64	0.014	0.17	0.1	0.03	3.3	0.2	<0.05	6	<0.5	<0.2
28600 88200	Soil	12	28	0.69	184	0.097	<1	1.79	0.021	0.17	0.1	0.02	3.1	0.2	<0.05	6	0.6	<0.2
28600 88350	Soil	10	23	0.48	170	0.081	<1	1.69	0.016	0.08	0.1	0.05	2.7	0.1	<0.05	6	<0.5	<0.2
28700 87600	Soil	13	24	0.74	274	0.119	<1	1.82	0.015	0.14	0.1	0.03	4.0	0.1	<0.05	6	<0.5	<0.2
28700 87650	Soil	10	23	0.92	203	0.149	<1	1.97	0.019	0.25	0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
28700 87700	Soil	10	22	0.92	231	0.152	<1	1.97	0.018	0.26	0.1	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
28700 87850	Soil	12	24	0.66	179	0.113	<1	1.81	0.013	0.12	0.1	0.03	3.6	0.2	<0.05	8	<0.5	<0.2
28700 88000	Soil	10	30	0.84	159	0.126	1	1.97	0.016	0.15	0.1	0.02	3.3	0.2	<0.05	7	<0.5	0.2
28700 88150	Soil	11	24	0.76	203	0.132	1	1.92	0.021	0.29	<0.1	0.02	3.0	0.3	<0.05	6	<0.5	0.2
28700 88200	Soil	12	32	0.59	191	0.074	1	1.97	0.016	0.07	0.1	0.04	2.9	0.1	<0.05	7	<0.5	<0.2
28700 88350	Soil	10	23	0.65	180	0.113	<1	1.76	0.013	0.12	0.2	0.03	2.8	0.2	<0.05	6	<0.5	<0.2
28700 88400	Soil	11	23	0.57	220	0.083	1	1.81	0.014	0.08	0.1	0.04	3.0	0.1	<0.05	6	<0.5	<0.2
28700 88450	Soil	16	22	0.44	199	0.053	1	1.75	0.013	0.06	0.1	0.05	2.6	0.1	<0.05	6	<0.5	<0.2
20900 90000	Soil	16	11	0.86	544	0.019	2	1.44	0.019	0.07	0.5	0.14	11.0	<0.1	<0.05	6	0.5	<0.2
20900 90050	Soil	22	14	0.95	733	0.020	<1	1.70	0.014	0.11	<0.1	0.03	5.7	<0.1	<0.05	8	<0.5	<0.2
20900 90100	Soil	16	25	1.65	459	0.117	<1	2.71	0.012	0.64	<0.1	0.01	11.7	0.1	<0.05	12	<0.5	<0.2
20900 90150	Soil	30	52	1.50	752	0.144	1	2.25	0.014	0.40	<0.1	0.03	10.9	0.2	<0.05	9	<0.5	<0.2
20900 90200	Soil	14	51	0.62	825	0.069	2	1.78	0.009	0.49	<0.1	0.01	9.1	0.1	<0.05	7	<0.5	<0.2
20900 90250	Soil	14	17	0.65	843	0.024	4	1.57	0.017	0.21	<0.1	0.05	15.5	<0.1	<0.05	5	<0.5	<0.2
20900 90300	Soil	22	12	1.12	283	0.191	<1	2.35	0.010	1.11	<0.1	0.01	10.2	0.2	<0.05	10	<0.5	<0.2
20900 90350	Soil	13	24	1.16	366	0.128	2	2.92	0.011	0.72	<0.1	0.01	8.5	0.2	<0.05	10	<0.5	<0.2
20900 90400	Soil	16	19	0.96	407	0.168	2	1.94	0.014	0.85	<0.1	0.02	12.8	0.2	<0.05	8	<0.5	<0.2
20900 90450	Soil	11	21	1.19	377	0.187	2	2.24	0.011	0.84	<0.1	0.02	10.8	0.2	<0.05	8	<0.5	<0.2
20900 90500	Soil	12	28	1.85	458	0.260	2	2.87	0.018	1.40	0.1	0.01	12.5	0.2	<0.05	9	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
20900 90550	Soil	0.6	32.2	6.7	83	<0.1	15.1	15.0	1061	4.47	6.1	0.4	<0.5	2.6	31	<0.1	0.3	0.1	123	0.55
20900 90650	Soil	0.6	25.8	7.5	57	<0.1	18.1	10.4	484	3.33	7.6	1.1	3.9	4.5	32	<0.1	0.4	0.1	78	0.44
20900 90750	Soil	0.7	16.9	6.1	94	<0.1	15.8	15.1	827	4.74	6.9	0.4	<0.5	3.3	22	<0.1	0.3	<0.1	129	0.26
20900 90800	Soil	0.7	40.0	7.2	68	<0.1	158.7	19.6	454	4.08	9.1	0.6	0.9	4.6	52	<0.1	0.4	0.1	101	0.54
20900 90850	Soil	0.8	13.7	5.4	70	<0.1	9.9	10.2	645	4.19	6.0	0.4	<0.5	2.5	25	<0.1	0.2	<0.1	97	0.38
20900 90950	Soil	1.0	24.1	6.1	96	<0.1	11.0	12.6	999	4.51	5.3	0.4	1.4	2.2	19	<0.1	0.3	0.1	122	0.26
20900 91000	Soil	0.6	15.9	6.9	79	<0.1	12.5	9.4	709	3.45	6.2	0.6	2.9	2.6	30	0.1	0.2	<0.1	87	0.46
21300 90000	Soil	1.2	19.6	5.2	153	<0.1	19.5	14.6	1277	4.85	5.6	0.7	6.9	4.7	34	0.2	0.4	<0.1	76	0.81
21300 90050	Soil	2.1	39.9	9.9	106	0.1	13.8	15.1	674	4.74	9.1	1.5	7.7	4.0	34	0.1	0.4	0.1	82	1.03
21300 90100	Soil	1.9	17.4	13.4	46	<0.1	16.8	7.9	197	2.81	11.0	0.3	1.5	2.4	18	0.1	0.5	0.1	56	0.31
21300 90150	Soil	3.4	44.5	32.6	97	1.1	11.7	10.3	1804	4.03	8.2	1.0	14.6	3.8	32	0.6	0.5	0.2	47	1.01
21300 90250	Soil	0.9	42.0	7.5	76	<0.1	25.6	17.9	1263	4.29	5.7	1.4	22.3	3.2	51	0.1	0.4	0.1	100	0.85
21300 90300	Soil	0.4	13.3	4.0	41	<0.1	16.4	8.0	364	2.40	1.4	0.6	7.1	2.2	23	<0.1	0.1	<0.1	50	0.36
21300 90400	Soil	4.7	37.4	9.7	48	0.1	22.3	10.6	593	2.56	8.3	0.9	27.8	2.8	35	0.1	1.3	0.1	49	0.66
21300 90450	Soil	2.2	47.6	6.6	66	<0.1	33.1	14.1	529	3.77	6.8	0.7	24.5	3.2	32	<0.1	1.0	<0.1	74	0.62
21300 90500	Soil	1.2	18.1	8.5	45	<0.1	17.2	8.4	296	2.63	6.9	0.6	4.8	2.6	29	<0.1	0.5	0.2	60	0.57
21300 90550	Soil	1.0	21.8	8.3	39	<0.1	16.8	7.9	338	2.40	5.7	0.8	6.6	3.4	36	<0.1	0.5	0.1	55	0.65
21300 90600	Soil	0.7	21.2	8.2	64	<0.1	28.9	11.0	477	3.48	6.3	0.5	1.8	4.1	31	<0.1	0.4	<0.1	75	0.43
21300 90650	Soil	0.5	26.9	7.2	58	<0.1	15.7	8.3	502	2.56	2.7	1.0	6.1	3.7	34	0.2	0.4	<0.1	46	0.76
21300 90700	Soil	0.8	17.5	6.7	62	<0.1	18.4	11.0	390	3.21	6.1	0.4	1.7	3.6	29	<0.1	0.3	<0.1	70	0.32
21300 90750	Soil	0.9	20.4	6.6	84	<0.1	60.7	18.3	863	4.52	2.2	0.8	6.0	5.6	46	<0.1	0.2	<0.1	105	0.67
21300 90800	Soil	0.8	28.3	8.2	53	<0.1	22.7	10.2	481	2.72	7.1	1.2	2.8	4.4	32	<0.1	0.5	0.1	63	0.54
21300 90850	Soil	0.6	24.9	6.8	51	<0.1	18.7	8.5	398	2.66	4.4	1.0	3.2	3.6	38	0.2	0.3	<0.1	55	0.80
21300 90900	Soil	0.6	111.8	3.8	55	<0.1	10.3	8.9	397	3.05	1.9	0.7	13.9	5.9	27	<0.1	0.2	<0.1	65	0.67
21300 90950	Soil	0.8	31.4	7.7	60	0.1	20.5	12.2	673	2.78	5.5	1.3	2.4	2.9	45	0.1	0.5	<0.1	63	1.02
21300 91050	Soil	0.8	27.1	7.8	57	0.1	17.6	11.1	515	2.79	5.7	1.2	2.3	3.6	32	<0.1	0.3	0.1	63	0.59
21300 91100	Soil	0.7	26.1	5.3	69	<0.1	10.7	9.7	488	3.18	2.9	0.6	3.0	3.2	29	<0.1	0.2	<0.1	69	0.62
21300 91150	Soil	1.5	25.2	6.8	60	<0.1	15.4	10.0	572	2.81	4.4	1.4	3.9	3.3	48	0.2	0.3	<0.1	62	0.94
21300 91200	Soil	3.4	27.7	7.8	63	<0.1	16.4	12.3	557	2.97	5.2	1.5	17.7	4.2	34	<0.1	0.3	0.1	67	0.56
21300 91250	Soil	3.4	21.7	7.7	66	<0.1	17.0	12.0	592	3.16	6.2	1.1	8.2	3.8	35	<0.1	0.3	0.1	74	0.60



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
20900 90550	Soil	6	25	1.75	412	0.254	<1	2.81	0.014	1.16	0.1	0.01	7.9	0.2	<0.05	10	<0.5	<0.2
20900 90650	Soil	14	42	0.90	437	0.155	1	1.84	0.018	0.33	0.1	0.03	8.0	0.1	<0.05	7	<0.5	<0.2
20900 90750	Soil	8	31	1.54	665	0.281	1	2.69	0.014	1.09	0.1	0.01	8.9	0.3	<0.05	10	<0.5	<0.2
20900 90800	Soil	27	261	2.01	558	0.230	2	2.48	0.015	0.23	0.3	0.01	6.5	0.1	<0.05	8	<0.5	<0.2
20900 90850	Soil	10	16	1.27	527	0.263	1	2.27	0.012	0.75	0.1	0.01	8.9	0.2	<0.05	10	<0.5	<0.2
20900 90950	Soil	8	26	1.28	434	0.258	1	2.17	0.016	0.97	<0.1	0.01	7.4	0.2	<0.05	10	<0.5	<0.2
20900 91000	Soil	14	24	1.06	559	0.193	2	2.10	0.013	0.40	0.1	0.02	5.9	0.2	<0.05	8	<0.5	<0.2
21300 90000	Soil	20	25	1.40	542	0.169	1	2.30	0.029	0.70	0.3	0.02	15.0	0.2	<0.05	10	<0.5	<0.2
21300 90050	Soil	17	20	0.86	477	0.098	2	1.95	0.015	0.37	0.1	0.03	10.3	0.2	<0.05	7	0.6	<0.2
21300 90100	Soil	9	28	0.40	355	0.038	<1	1.86	0.010	0.12	0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
21300 90150	Soil	20	13	0.38	532	0.006	1	1.32	0.010	0.14	<0.1	0.04	6.6	<0.1	<0.05	4	0.7	<0.2
21300 90250	Soil	17	32	1.12	770	0.103	1	2.08	0.017	0.29	<0.1	0.04	10.5	<0.1	<0.05	7	0.6	<0.2
21300 90300	Soil	10	19	0.63	403	0.078	1	1.13	0.010	0.26	<0.1	0.01	7.3	0.1	<0.05	4	<0.5	<0.2
21300 90400	Soil	13	22	0.50	642	0.050	2	1.19	0.022	0.08	0.1	0.08	5.3	<0.1	<0.05	4	<0.5	<0.2
21300 90450	Soil	13	77	0.77	445	0.071	3	1.50	0.015	0.13	0.1	0.03	9.8	0.1	<0.05	5	0.5	<0.2
21300 90500	Soil	9	27	0.52	474	0.063	2	1.55	0.019	0.07	0.1	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
21300 90550	Soil	28	25	0.48	670	0.062	2	1.56	0.019	0.07	0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
21300 90600	Soil	20	53	0.83	457	0.077	1	2.02	0.017	0.12	<0.1	0.02	5.9	0.1	<0.05	8	<0.5	<0.2
21300 90650	Soil	27	17	0.57	567	0.040	2	1.47	0.017	0.18	<0.1	0.03	4.9	<0.1	<0.05	6	<0.5	<0.2
21300 90700	Soil	11	29	0.83	297	0.083	2	1.89	0.017	0.13	<0.1	<0.01	4.0	<0.1	<0.05	7	<0.5	<0.2
21300 90750	Soil	19	93	1.16	409	0.079	<1	2.05	0.015	0.30	<0.1	<0.01	6.6	0.1	<0.05	9	<0.5	<0.2
21300 90800	Soil	27	31	0.62	471	0.090	1	1.55	0.025	0.11	0.1	0.03	5.6	<0.1	<0.05	6	<0.5	<0.2
21300 90850	Soil	29	24	0.66	596	0.068	2	1.59	0.021	0.12	<0.1	0.03	4.5	<0.1	<0.05	6	<0.5	<0.2
21300 90900	Soil	17	14	0.77	361	0.069	<1	1.58	0.015	0.33	<0.1	0.02	5.1	0.1	<0.05	7	<0.5	<0.2
21300 90950	Soil	17	26	0.67	579	0.081	2	1.50	0.026	0.11	0.1	0.05	6.3	<0.1	<0.05	5	0.7	<0.2
21300 91050	Soil	17	27	0.66	470	0.089	2	1.62	0.022	0.14	0.1	0.03	4.9	<0.1	<0.05	6	<0.5	<0.2
21300 91100	Soil	13	18	0.87	418	0.120	1	1.66	0.023	0.60	<0.1	0.05	4.1	0.1	<0.05	7	0.5	<0.2
21300 91150	Soil	22	27	0.65	860	0.075	3	1.49	0.020	0.18	0.2	0.05	6.8	<0.1	<0.05	6	<0.5	<0.2
21300 91200	Soil	22	29	0.67	658	0.095	1	1.67	0.020	0.11	0.2	0.09	7.6	<0.1	<0.05	6	0.5	<0.2
21300 91250	Soil	15	33	0.71	503	0.101	1	1.75	0.022	0.10	0.1	0.04	5.6	<0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
21300 91300	Soil	1.5	13.3	7.1	62	<0.1	14.5	10.5	510	2.85	5.9	0.5	6.3	2.9	31	0.1	0.3	<0.1	66	0.56	0.080
21300 91400	Soil	1.4	15.0	7.8	61	<0.1	15.2	9.6	441	2.86	6.1	0.7	44.7	3.8	31	<0.1	0.3	<0.1	64	0.52	0.069
21300 91850	Soil	1.7	31.5	8.2	58	<0.1	15.3	11.6	633	3.07	5.0	0.4	1.4	2.7	29	<0.1	0.4	<0.1	63	0.42	0.090
21300 91950	Soil	0.8	21.2	8.3	48	<0.1	16.6	9.1	276	2.85	7.6	0.6	1.8	3.0	33	<0.1	0.4	0.1	69	0.39	0.053
21400 88050	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
21400 88150	Soil	1.0	35.2	6.2	114	<0.1	34.7	27.3	1013	5.61	2.1	0.6	<0.5	5.8	27	<0.1	0.1	<0.1	76	0.47	0.118
21400 88200	Soil	0.8	27.5	6.4	94	<0.1	27.5	18.7	653	4.35	4.1	0.6	1.1	5.2	35	<0.1	0.2	<0.1	68	0.52	0.115
21400 88250	Soil	0.6	50.0	7.0	135	<0.1	29.6	26.0	894	5.28	1.9	0.8	1.3	8.7	48	<0.1	0.1	<0.1	91	0.84	0.174
21400 88300	Soil	0.5	49.1	6.8	100	0.1	31.6	18.4	606	4.26	3.3	1.4	2.6	6.9	55	<0.1	0.2	<0.1	72	1.03	0.129
21400 88350	Soil	0.6	30.5	6.4	67	<0.1	18.5	13.3	403	2.85	3.8	0.9	4.9	5.8	51	<0.1	0.2	<0.1	55	0.82	0.104
21400 88450	Soil	1.9	23.6	73.0	92	0.4	11.1	9.5	865	3.02	21.0	5.0	6.1	10.0	57	0.3	0.4	1.5	29	0.89	0.072
21400 88500	Soil	0.8	44.5	13.9	75	0.2	15.0	11.1	314	2.29	8.4	6.0	4.8	13.3	40	0.3	0.4	0.1	40	0.82	0.073
21400 88600	Soil	2.1	29.0	221.2	119	0.6	10.9	7.4	268	2.95	28.2	4.3	9.7	14.5	55	0.4	0.3	1.6	31	0.50	0.046
21400 88800	Soil	3.6	31.6	53.1	251	0.3	20.3	6.8	341	3.71	24.1	6.6	7.8	18.5	101	0.6	0.2	5.2	42	0.26	0.081
21400 88850	Soil	2.3	26.3	69.5	110	0.4	12.4	5.6	190	3.08	25.3	3.1	6.2	11.2	56	0.2	0.3	2.6	36	0.18	0.040
21400 88900	Soil	2.5	40.8	44.5	104	0.2	15.8	6.9	198	2.82	18.0	2.4	5.0	11.1	44	0.2	0.4	1.9	37	0.15	0.032
21400 88950	Soil	2.5	31.6	23.5	103	<0.1	13.7	7.9	245	2.95	14.5	2.1	2.2	9.8	38	0.4	0.4	1.5	33	0.11	0.041
21400 89000	Soil	2.1	76.5	35.6	206	0.3	28.7	11.5	353	3.20	19.0	3.2	5.9	10.5	43	0.5	0.4	1.9	39	0.16	0.068
21400 89050	Soil	1.6	566.8	48.3	466	0.6	111.7	18.9	546	4.31	90.8	3.1	13.1	9.9	122	1.8	1.3	1.4	63	0.94	0.290
21400 89100	Soil	1.7	28.8	49.1	86	0.3	14.9	8.7	252	2.90	39.5	1.2	10.3	7.4	19	0.2	0.5	1.6	46	0.19	0.051
21400 89150	Soil	2.1	23.0	87.8	96	0.5	10.7	4.0	160	2.33	26.6	1.6	3.8	5.6	19	0.2	0.3	2.0	35	0.13	0.044
21400 89200	Soil	1.3	21.8	45.9	93	0.3	10.6	8.3	303	2.69	28.0	1.6	4.3	5.7	22	0.2	0.2	0.9	45	0.30	0.067
21400 89250	Soil	1.7	26.1	43.1	90	0.4	12.6	7.6	241	2.56	68.3	2.1	29.3	6.6	22	0.2	0.3	0.6	45	0.26	0.047
21400 890000	Soil	0.8	40.3	4.5	104	<0.1	8.5	14.0	735	4.60	1.8	0.4	2.6	2.3	20	<0.1	0.2	<0.1	80	0.63	0.162
21400 90050	Soil	0.7	31.7	5.2	50	<0.1	44.3	16.7	522	3.22	4.6	0.9	3.8	1.7	23	0.1	0.3	<0.1	63	0.77	0.084
21400 90100	Soil	1.9	45.0	10.8	85	0.4	28.0	17.6	1158	4.61	5.5	0.9	9.8	2.1	30	0.3	0.4	0.2	70	0.93	0.085
21400 90150	Soil	1.0	17.9	6.8	50	0.1	12.7	7.7	518	2.21	4.0	0.9	2.8	2.5	26	<0.1	0.3	0.1	39	0.62	0.045
21400 90200	Soil	1.7	44.6	7.9	106	0.1	7.2	19.9	2276	5.43	1.8	0.6	4.2	3.1	27	0.2	0.2	<0.1	72	0.94	0.295
21400 90400	Soil	8.6	84.6	15.0	73	0.2	27.3	13.8	626	3.95	6.9	0.8	203.1	2.1	26	0.1	1.5	<0.1	55	0.72	0.052
21400 90450	Soil	1.1	18.3	8.7	40	<0.1	16.7	8.4	402	2.14	5.2	0.6	12.0	2.5	24	<0.1	0.3	0.2	44	0.48	0.039



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
21300 91300	Soil	11	27	0.64	346	0.089	2	1.51	0.019	0.12	0.2	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
21300 91400	Soil	14	28	0.62	385	0.082	2	1.65	0.021	0.08	0.1	0.03	4.6	<0.1	<0.05	6	<0.5	<0.2
21300 91850	Soil	10	26	0.55	400	0.039	2	1.55	0.016	0.14	<0.1	<0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
21300 91950	Soil	11	30	0.58	420	0.083	1	1.76	0.024	0.07	0.2	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
21400 88050	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
21400 88150	Soil	10	57	2.33	545	0.250	<1	3.25	0.012	1.25	0.1	<0.01	3.6	0.4	<0.05	8	<0.5	<0.2
21400 88200	Soil	12	49	1.44	352	0.225	2	2.51	0.014	0.76	0.1	0.01	2.6	0.3	<0.05	7	<0.5	<0.2
21400 88250	Soil	16	61	2.39	340	0.240	<1	2.85	0.014	1.13	0.1	0.01	4.1	0.5	<0.05	9	<0.5	<0.2
21400 88300	Soil	31	60	1.57	368	0.144	1	2.35	0.018	0.48	<0.1	0.04	5.7	0.2	<0.05	8	<0.5	<0.2
21400 88350	Soil	22	37	0.98	239	0.129	1	1.61	0.019	0.24	0.3	0.02	3.4	0.1	<0.05	5	<0.5	<0.2
21400 88450	Soil	45	14	0.42	265	0.054	3	1.06	0.040	0.18	<0.1	0.04	2.5	0.1	0.16	4	1.3	1.1
21400 88500	Soil	74	21	0.61	272	0.105	2	1.65	0.014	0.32	<0.1	0.05	3.5	0.2	<0.05	5	0.7	<0.2
21400 88600	Soil	32	15	0.42	250	0.068	2	1.30	0.016	0.18	<0.1	0.04	2.5	0.2	<0.05	4	2.2	1.3
21400 88800	Soil	50	41	0.89	247	0.147	1	1.77	0.027	0.34	<0.1	0.01	4.5	0.3	0.13	5	3.1	1.0
21400 88850	Soil	32	20	0.38	204	0.065	<1	1.37	0.026	0.10	<0.1	0.03	3.2	0.1	0.07	4	2.2	0.8
21400 88900	Soil	30	26	0.37	260	0.054	2	1.27	0.021	0.08	<0.1	0.01	3.0	<0.1	<0.05	4	1.8	0.3
21400 88950	Soil	24	22	0.35	202	0.046	<1	1.17	0.022	0.10	<0.1	0.01	2.7	<0.1	0.07	4	1.9	<0.2
21400 89000	Soil	32	46	0.54	229	0.064	1	1.65	0.028	0.08	<0.1	0.03	3.4	0.1	0.07	5	2.6	0.3
21400 89050	Soil	45	111	1.15	803	0.067	2	1.84	0.012	0.16	<0.1	0.05	8.7	0.1	0.10	5	3.0	0.5
21400 89100	Soil	15	24	0.49	134	0.063	2	1.50	0.011	0.08	0.1	0.03	2.4	<0.1	0.07	4	2.6	0.2
21400 89150	Soil	15	19	0.39	107	0.047	1	1.07	0.009	0.13	<0.1	0.03	1.6	0.1	0.10	4	2.0	0.3
21400 89200	Soil	14	14	0.77	173	0.111	1	1.55	0.008	0.40	0.2	0.03	2.0	0.2	0.07	4	1.0	<0.2
21400 89250	Soil	19	21	0.55	180	0.070	2	1.44	0.011	0.18	0.1	0.04	2.7	0.2	0.07	4	0.6	<0.2
21400 890000	Soil	8	13	1.49	365	0.201	2	2.20	0.014	1.07	0.2	0.01	7.0	0.2	0.05	9	<0.5	<0.2
21400 90050	Soil	11	58	0.86	256	0.036	2	1.54	0.021	0.07	0.1	0.02	6.3	<0.1	0.07	5	<0.5	<0.2
21400 90100	Soil	14	21	0.65	512	0.006	2	1.72	0.009	0.11	<0.1	0.03	9.3	<0.1	0.07	5	0.6	<0.2
21400 90150	Soil	14	18	0.41	388	0.017	1	1.20	0.011	0.11	0.1	0.02	3.0	<0.1	0.05	4	<0.5	<0.2
21400 90200	Soil	21	5	1.19	574	0.005	1	2.20	0.010	0.09	<0.1	0.01	12.3	<0.1	0.06	8	<0.5	<0.2
21400 90400	Soil	16	22	0.35	555	0.024	2	1.34	0.013	0.12	<0.1	0.07	10.2	<0.1	0.06	4	0.7	0.2
21400 90450	Soil	11	23	0.43	349	0.052	2	1.22	0.019	0.09	0.2	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
21400 90500	Soil	0.7	12.1	7.5	83	<0.1	14.3	10.2	394	3.66	4.7	0.4	16.3	3.9	31	<0.1	0.3	<0.1	70	0.58
21400 90550	Soil	1.5	29.7	11.8	66	<0.1	24.5	12.3	422	3.80	4.5	1.6	14.1	4.6	28	<0.1	0.5	<0.1	71	0.58
21400 90600	Soil	1.5	42.8	8.5	49	<0.1	19.3	10.9	396	2.88	6.3	1.4	3.9	4.4	22	<0.1	0.4	0.1	68	0.34
21400 90650	Soil	0.8	22.2	7.9	60	<0.1	23.3	11.8	326	3.61	5.3	0.6	2.0	4.4	26	<0.1	0.5	<0.1	82	0.43
21400 90700	Soil	0.8	32.3	9.4	59	<0.1	18.3	12.0	398	3.33	6.6	1.7	4.9	5.3	29	<0.1	0.4	0.1	76	0.47
21400 90750	Soil	0.9	31.0	7.8	55	<0.1	23.4	12.6	357	3.04	7.8	0.7	5.2	4.5	28	<0.1	0.5	0.1	69	0.38
21400 90800	Soil	1.1	35.9	7.8	55	<0.1	18.3	10.7	448	2.89	6.4	0.8	5.2	3.6	27	<0.1	0.5	0.1	60	0.56
21400 90850	Soil	0.6	11.1	4.9	52	<0.1	12.4	8.5	319	2.52	3.3	0.5	4.4	2.4	22	<0.1	0.2	<0.1	54	0.49
21400 91000	Soil	0.6	11.2	5.6	76	<0.1	10.0	10.3	477	3.25	3.0	0.4	8.5	2.7	29	<0.1	0.2	<0.1	75	0.84
21400 91050	Soil	0.7	17.3	7.2	60	<0.1	16.8	12.1	387	3.15	5.9	0.8	7.5	3.5	26	<0.1	0.3	<0.1	70	0.59
21400 91400	Soil	1.1	15.1	8.1	71	<0.1	9.6	9.9	518	3.26	4.0	0.5	1.3	2.6	39	<0.1	0.2	<0.1	78	0.90
21400 88650	Soil	1.3	15.8	74.9	79	0.2	11.7	6.1	236	2.52	18.0	1.9	3.6	9.7	48	0.1	0.3	0.7	35	0.29
21400 88700	Soil	1.8	17.2	69.0	142	0.2	11.7	5.3	180	3.59	34.8	2.1	5.0	17.9	45	0.2	0.3	1.1	24	0.17
21400 88750	Soil	0.8	15.8	38.8	91	0.2	20.3	9.5	318	2.50	10.9	2.6	7.0	7.9	34	0.2	0.2	0.8	32	0.40
21400 89300	Soil	1.8	25.3	16.7	77	0.1	14.7	8.7	296	2.82	28.6	1.4	3.1	6.0	26	<0.1	0.3	0.3	53	0.49
21400 89350	Soil	0.6	14.3	3.5	85	<0.1	10.5	12.4	684	3.88	4.7	0.5	1.9	2.6	16	<0.1	<0.1	<0.1	73	0.48
21400 89400	Soil	1.1	9.5	3.9	58	<0.1	7.6	6.8	397	2.10	4.1	0.4	1.4	1.7	14	<0.1	0.1	<0.1	31	0.35
21400 89450	Soil	0.9	15.3	3.9	83	<0.1	8.0	17.3	337	3.67	3.8	0.4	0.7	2.1	17	<0.1	0.1	<0.1	84	0.48
21400 89500	Soil	0.7	26.4	7.1	79	<0.1	19.4	21.3	570	4.00	4.3	0.8	2.1	4.1	31	<0.1	0.2	<0.1	89	0.59
21400 89550	Soil	0.9	29.8	8.5	61	<0.1	18.1	13.9	425	3.29	5.9	1.2	6.9	4.7	24	<0.1	0.4	0.1	73	0.44
21400 89600	Soil	0.9	17.2	7.2	59	<0.1	15.6	11.7	350	3.11	5.9	0.7	5.9	3.8	22	<0.1	0.3	0.1	68	0.39
21400 89650	Soil	0.9	41.9	6.3	61	<0.1	20.7	15.4	375	3.61	5.6	1.0	4.1	3.2	23	<0.1	0.3	0.1	87	0.46
21400 89700	Soil	0.9	36.0	6.1	62	<0.1	18.9	16.3	380	3.75	8.9	0.9	8.0	3.0	23	<0.1	1.1	<0.1	78	0.40
21400 89750	Soil	0.6	36.5	5.9	72	<0.1	36.4	18.3	686	4.34	5.2	0.9	3.5	4.5	36	<0.1	0.3	0.1	92	0.62
21400 89850	Soil	0.9	31.9	8.4	77	<0.1	23.8	10.9	434	2.94	6.5	1.1	5.0	4.8	32	0.1	0.6	0.2	61	0.55
21100 90000	Soil	0.4	25.0	3.2	85	<0.1	7.1	15.3	623	4.13	0.9	0.6	<0.5	3.3	16	<0.1	<0.1	<0.1	110	0.41
21100 90050	Soil	0.8	60.2	13.9	90	0.2	91.1	32.1	1554	5.91	1.8	0.5	7.4	2.4	21	0.2	0.2	0.2	141	0.50
21100 90100	Soil	3.6	59.8	13.9	83	0.1	5.9	8.9	1186	4.04	5.8	0.7	3.4	5.4	14	0.1	0.3	0.2	54	0.45
21100 90150	Soil	1.5	36.4	6.3	146	<0.1	9.3	8.2	1598	3.99	2.4	0.7	2.2	5.5	16	0.2	0.2	0.2	42	0.44
21100 90200	Soil	0.5	17.3	6.8	102	<0.1	12.9	15.2	722	4.38	2.2	0.8	1.5	3.4	24	<0.1	0.2	<0.1	108	0.70



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
21400 90500	Soil	13	21	0.80	246	0.088	2	2.12	0.023	0.22	<0.1	<0.01	4.5	<0.1	<0.05	9	<0.5	<0.2
21400 90550	Soil	25	44	0.55	595	0.047	1	1.88	0.016	0.19	<0.1	0.03	9.6	<0.1	<0.05	6	0.6	<0.2
21400 90600	Soil	23	30	0.52	482	0.071	1	1.72	0.014	0.11	<0.1	0.03	5.4	<0.1	<0.05	6	<0.5	<0.2
21400 90650	Soil	15	36	0.65	381	0.080	1	2.02	0.017	0.13	0.1	0.01	5.2	<0.1	<0.05	7	<0.5	<0.2
21400 90700	Soil	26	34	0.64	287	0.090	2	2.30	0.022	0.12	<0.1	0.05	6.8	<0.1	<0.05	7	<0.5	<0.2
21400 90750	Soil	14	36	0.64	289	0.089	1	1.94	0.025	0.07	0.1	0.05	5.3	<0.1	<0.05	6	<0.5	<0.2
21400 90800	Soil	18	26	0.58	413	0.061	1	1.58	0.019	0.09	0.2	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
21400 90850	Soil	10	19	0.58	265	0.065	1	1.51	0.020	0.10	0.2	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
21400 91000	Soil	8	16	0.80	263	0.101	1	1.62	0.035	0.32	0.2	<0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
21400 91050	Soil	14	29	0.72	283	0.085	1	1.72	0.028	0.11	0.1	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
21400 91400	Soil	10	18	0.70	247	0.074	<1	1.66	0.045	0.13	0.2	0.01	4.5	<0.1	<0.05	7	<0.5	<0.2
21400 88650	Soil	24	22	0.47	224	0.070	1	1.20	0.017	0.18	0.1	0.02	2.3	0.1	<0.05	4	0.9	0.4
21400 88700	Soil	22	17	0.24	175	0.036	<1	1.03	0.020	0.08	<0.1	0.02	2.1	<0.1	0.08	4	2.2	1.1
21400 88750	Soil	28	32	0.56	295	0.063	<1	1.37	0.011	0.13	<0.1	0.03	2.9	0.1	<0.05	4	0.7	0.5
21400 89300	Soil	19	23	0.64	247	0.085	<1	1.60	0.013	0.15	0.1	0.02	3.2	0.1	<0.05	5	0.6	<0.2
21400 89350	Soil	7	14	1.45	297	0.207	<1	2.24	0.009	1.27	0.1	<0.01	2.1	0.4	<0.05	7	<0.5	<0.2
21400 89400	Soil	8	11	1.12	152	0.098	<1	1.56	0.009	0.53	<0.1	<0.01	1.7	0.2	<0.05	4	<0.5	<0.2
21400 89450	Soil	8	9	1.89	330	0.239	<1	2.72	0.013	1.25	0.1	<0.01	2.5	0.3	<0.05	8	<0.5	<0.2
21400 89500	Soil	14	28	2.01	370	0.202	1	2.81	0.015	0.82	<0.1	0.01	4.2	0.3	<0.05	8	<0.5	<0.2
21400 89550	Soil	19	28	1.06	340	0.137	1	2.24	0.015	0.33	0.2	0.03	4.9	0.1	<0.05	7	<0.5	<0.2
21400 89600	Soil	14	27	1.00	225	0.144	1	1.81	0.017	0.35	0.2	0.01	3.5	0.1	<0.05	6	0.5	<0.2
21400 89650	Soil	16	40	1.33	310	0.184	1	2.35	0.016	0.54	0.1	0.02	5.2	0.2	<0.05	7	0.5	<0.2
21400 89700	Soil	19	31	0.88	307	0.095	1	1.93	0.016	0.20	0.3	0.01	4.9	0.1	<0.05	6	0.5	<0.2
21400 89750	Soil	19	50	1.43	549	0.156	<1	2.46	0.014	0.59	0.1	0.01	6.3	0.3	<0.05	8	<0.5	<0.2
21400 89850	Soil	19	40	0.78	354	0.101	3	1.84	0.021	0.18	0.5	0.03	4.5	<0.1	0.08	5	<0.5	<0.2
21100 90000	Soil	10	16	1.51	398	0.185	<1	2.37	0.015	0.85	0.1	<0.01	9.7	0.2	<0.05	10	<0.5	<0.2
21100 90050	Soil	20	221	3.60	260	0.014	<1	3.70	0.010	0.08	<0.1	0.02	15.6	<0.1	<0.05	12	<0.5	<0.2
21100 90100	Soil	13	7	0.73	274	0.006	<1	1.70	0.007	0.17	<0.1	<0.01	5.0	<0.1	<0.05	8	<0.5	<0.2
21100 90150	Soil	16	10	0.70	455	0.011	1	1.58	0.008	0.12	<0.1	<0.01	7.4	<0.1	<0.05	8	<0.5	<0.2
21100 90200	Soil	13	20	1.24	562	0.139	<1	2.03	0.010	0.54	0.4	<0.01	10.9	0.1	<0.05	8	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
21100 90250	Soil	0.9	9.6	8.9	62	<0.1	13.5	6.4	488	2.65	1.8	0.6	1.7	4.5	24	0.1	0.2	<0.1	45	0.56	0.081
21100 90300	Soil	0.5	18.2	6.0	60	<0.1	15.2	11.0	741	4.01	4.5	0.8	7.4	5.9	25	<0.1	0.3	<0.1	85	0.50	0.084
21100 90350	Soil	0.8	18.8	8.2	54	<0.1	15.6	13.2	779	4.33	3.9	1.0	12.3	4.6	24	<0.1	0.4	<0.1	102	0.58	0.167
21100 90400	Soil	0.7	22.5	9.3	53	<0.1	17.7	11.4	393	3.24	6.7	0.5	36.3	4.1	22	<0.1	0.4	0.1	75	0.21	0.024
21100 90450	Soil	0.2	17.3	3.4	94	<0.1	15.9	15.8	838	4.48	3.2	0.6	3.3	5.5	24	<0.1	0.2	<0.1	107	0.71	0.220
21100 90500	Soil	0.4	48.5	5.5	78	<0.1	16.7	14.7	722	3.98	4.0	0.9	7.2	4.6	29	<0.1	0.2	<0.1	97	0.64	0.144
21100 90550	Soil	0.6	29.1	14.0	73	0.1	19.1	10.6	628	3.54	5.3	0.7	23.8	3.4	36	0.2	0.4	<0.1	70	0.97	0.120
21100 90600	Soil	1.0	38.9	17.2	52	<0.1	22.1	9.1	531	3.07	5.7	0.4	99.0	3.3	22	<0.1	0.5	<0.1	59	0.49	0.056
21100 90650	Soil	0.6	35.1	9.2	74	<0.1	24.2	15.7	802	4.38	4.2	0.8	13.6	4.1	32	<0.1	0.4	<0.1	97	0.95	0.161
21100 90700	Soil	1.5	17.0	9.0	99	<0.1	11.6	13.1	615	4.31	2.7	0.7	<0.5	4.4	20	<0.1	0.5	<0.1	80	0.44	0.146
21100 90750	Soil	1.0	39.6	5.7	92	<0.1	32.2	18.0	794	4.57	2.4	0.3	<0.5	1.2	21	0.1	0.3	<0.1	121	0.55	0.087
21100 90800	Soil	2.3	33.2	8.6	108	<0.1	24.0	14.3	1164	4.08	4.1	0.5	2.5	3.5	30	0.5	0.4	<0.1	75	0.66	0.119
21100 90850	Soil	1.1	41.7	7.8	89	<0.1	16.8	13.5	499	3.97	3.8	0.5	4.2	4.4	23	<0.1	0.4	<0.1	80	0.49	0.129
21100 90900	Soil	0.8	20.7	10.1	70	<0.1	27.8	12.1	576	3.30	6.2	0.9	3.5	4.8	29	<0.1	0.5	<0.1	69	0.47	0.121
21100 90950	Soil	4.3	50.8	10.4	77	<0.1	20.8	12.6	619	3.60	8.4	0.9	9.3	4.0	23	0.1	0.7	<0.1	69	0.48	0.096
21100 91000	Soil	1.2	28.9	7.6	80	<0.1	19.9	15.5	797	4.18	5.7	1.0	3.1	4.3	26	0.1	0.3	0.1	99	0.62	0.093
21100 91050	Soil	2.1	11.4	9.1	54	<0.1	9.9	11.6	922	2.45	2.5	0.4	13.0	2.6	17	<0.1	0.3	<0.1	48	0.27	0.079
21100 91100	Soil	3.1	56.6	11.1	85	<0.1	21.8	14.3	550	4.64	5.4	0.8	19.8	3.2	29	<0.1	0.6	<0.1	88	0.59	0.154
21100 91150	Soil	5.2	82.8	8.4	88	0.1	42.6	21.0	688	4.62	6.0	0.9	29.4	3.5	52	<0.1	0.4	<0.1	111	1.10	0.269
21100 91200	Soil	4.2	65.9	8.9	81	0.1	26.7	15.8	765	4.08	4.5	0.9	44.7	3.3	31	0.1	0.4	0.1	95	0.79	0.131
21100 91250	Soil	14.9	86.5	10.0	90	0.2	30.9	18.7	858	4.64	4.2	0.9	118.2	3.1	32	0.1	0.5	<0.1	92	0.78	0.139
21100 91300	Soil	3.0	32.4	8.8	77	<0.1	20.9	12.8	651	3.52	5.3	1.1	88.7	3.4	35	0.1	0.4	0.1	73	0.83	0.087
21100 91350	Soil	1.4	29.5	9.6	72	<0.1	19.8	11.0	535	3.06	5.1	1.2	26.1	3.5	32	0.2	0.4	0.1	71	0.73	0.083
21100 91400	Soil	1.9	28.0	10.1	74	0.1	17.6	10.6	718	2.99	5.8	1.4	12.3	2.8	42	0.3	0.6	0.1	62	0.98	0.092
21100 91450	Soil	0.9	28.1	9.4	64	0.1	21.0	10.0	443	2.74	5.7	1.2	6.6	3.0	33	0.2	0.4	0.2	61	0.66	0.074
21100 91750	Soil	1.2	17.8	9.7	74	<0.1	21.2	10.9	371	3.57	8.2	0.5	3.2	4.7	33	<0.1	0.5	0.1	73	0.38	0.045
21100 91800	Soil	0.5	43.1	8.0	95	<0.1	10.0	10.8	538	4.19	5.9	0.4	<0.5	4.2	33	<0.1	0.3	<0.1	86	0.50	0.160
21500 89200	Soil	1.2	20.8	78.0	80	0.4	9.6	5.6	177	2.20	29.5	1.7	7.0	6.5	23	0.2	0.3	1.6	39	0.22	0.046
21500 89250	Soil	1.5	32.9	64.8	97	0.5	16.2	9.1	301	2.63	64.8	3.6	7.9	7.5	32	0.4	0.4	1.3	44	0.40	0.062
21500 89500	Soil	0.9	32.5	9.5	66	0.1	17.1	11.9	534	3.00	6.8	1.4	12.1	4.6	35	0.2	0.4	0.2	57	0.63	0.054



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
21100 90250	Soil	13	21	0.87	327	0.046	1	1.64	0.011	0.24	<0.1	0.01	5.7	<0.1	<0.05	6	<0.5	<0.2
21100 90300	Soil	17	26	0.94	548	0.116	1	2.02	0.013	0.44	0.1	0.02	12.1	0.1	<0.05	7	<0.5	<0.2
21100 90350	Soil	11	18	1.30	533	0.140	1	2.24	0.015	0.44	<0.1	0.02	13.5	0.1	<0.05	8	<0.5	<0.2
21100 90400	Soil	11	27	0.73	293	0.129	1	1.92	0.011	0.35	0.1	0.01	5.8	0.1	<0.05	6	<0.5	<0.2
21100 90450	Soil	15	27	1.85	441	0.247	<1	2.51	0.009	1.29	<0.1	0.01	11.9	0.4	<0.05	10	<0.5	<0.2
21100 90500	Soil	18	28	1.41	454	0.196	1	2.26	0.016	0.72	0.1	0.02	9.3	0.2	<0.05	8	<0.5	<0.2
21100 90550	Soil	16	23	0.78	539	0.074	2	1.48	0.014	0.26	0.1	0.04	8.6	0.1	0.06	5	<0.5	<0.2
21100 90600	Soil	16	24	0.42	463	0.043	2	1.28	0.010	0.15	0.1	0.03	7.4	<0.1	<0.05	4	0.6	<0.2
21100 90650	Soil	19	46	1.38	681	0.164	2	2.26	0.021	0.56	<0.1	0.04	10.7	0.2	<0.05	8	<0.5	<0.2
21100 90700	Soil	9	17	0.71	337	0.063	2	1.70	0.013	0.44	<0.1	<0.01	6.8	0.1	<0.05	8	<0.5	<0.2
21100 90750	Soil	3	47	1.41	405	0.134	1	2.38	0.016	0.78	<0.1	0.02	7.4	0.2	<0.05	10	<0.5	<0.2
21100 90800	Soil	9	28	0.79	425	0.087	4	1.71	0.021	0.37	0.1	0.01	7.3	0.1	<0.05	7	<0.5	<0.2
21100 90850	Soil	9	25	1.11	333	0.086	1	2.12	0.022	0.29	<0.1	<0.01	6.0	0.1	<0.05	9	<0.5	<0.2
21100 90900	Soil	11	39	0.94	405	0.087	1	1.79	0.015	0.25	0.1	0.02	6.1	<0.1	<0.05	7	<0.5	<0.2
21100 90950	Soil	17	25	0.64	361	0.085	1	1.44	0.014	0.24	0.1	0.03	9.6	<0.1	<0.05	5	0.8	<0.2
21100 91000	Soil	13	32	1.20	592	0.159	2	2.30	0.016	0.36	<0.1	0.02	8.8	0.2	<0.05	8	<0.5	<0.2
21100 91050	Soil	9	17	0.46	331	0.067	2	1.23	0.010	0.22	<0.1	0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
21100 91100	Soil	14	34	0.63	687	0.079	3	1.68	0.012	0.23	0.1	0.03	10.4	<0.1	<0.05	6	0.6	<0.2
21100 91150	Soil	15	119	1.66	543	0.133	2	2.47	0.027	0.26	0.1	0.06	13.3	0.1	<0.05	9	0.7	<0.2
21100 91200	Soil	18	35	0.96	672	0.122	2	2.01	0.020	0.25	<0.1	0.09	11.9	<0.1	<0.05	7	<0.5	<0.2
21100 91250	Soil	13	48	0.84	626	0.080	2	1.66	0.018	0.14	0.2	0.06	11.3	<0.1	<0.05	6	1.0	<0.2
21100 91300	Soil	16	31	0.79	602	0.113	2	1.96	0.021	0.20	0.2	0.05	8.4	0.1	<0.05	6	0.7	<0.2
21100 91350	Soil	15	31	0.77	475	0.124	2	1.92	0.018	0.17	0.3	0.04	6.7	0.1	<0.05	6	<0.5	<0.2
21100 91400	Soil	17	27	0.70	593	0.101	2	1.82	0.017	0.14	0.2	0.06	6.3	<0.1	<0.05	6	0.7	<0.2
21100 91450	Soil	15	28	0.59	607	0.089	1	1.77	0.017	0.09	0.2	0.04	5.9	<0.1	<0.05	5	<0.5	<0.2
21100 91750	Soil	12	34	0.72	596	0.088	2	2.02	0.013	0.26	0.1	0.01	6.1	<0.1	<0.05	8	<0.5	<0.2
21100 91800	Soil	10	16	1.03	468	0.052	1	2.48	0.017	0.32	<0.1	<0.01	7.3	<0.1	<0.05	10	<0.5	<0.2
21500 89200	Soil	16	18	0.34	131	0.074	<1	1.29	0.012	0.11	0.2	0.03	2.4	0.1	<0.05	4	1.4	<0.2
21500 89250	Soil	25	20	0.49	270	0.069	<1	1.70	0.015	0.11	0.1	0.06	4.1	0.2	<0.05	5	1.0	<0.2
21500 89500	Soil	27	23	0.89	358	0.124	1	1.94	0.015	0.33	0.1	0.03	4.6	0.1	<0.05	6	0.8	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
21500 89550	Soil	1.2	29.6	8.5	62	<0.1	17.6	14.7	469	3.38	6.9	0.9	4.6	4.2	32	<0.1	0.4	0.1	69	0.63
21500 89700	Soil	1.2	23.6	10.6	59	<0.1	15.0	10.8	306	3.16	7.3	0.6	9.8	3.0	21	<0.1	0.4	0.2	78	0.27
21500 89750	Soil	0.8	17.1	21.8	124	<0.1	16.3	10.1	345	3.08	5.5	0.6	1.7	4.3	17	<0.1	0.3	0.1	55	0.26
21500 89800	Soil	0.8	18.1	5.0	86	<0.1	14.6	12.6	462	3.79	4.2	0.7	1.1	5.4	20	<0.1	0.3	0.2	60	0.33
21500 90000	Soil	1.6	14.8	5.2	47	<0.1	18.7	12.4	239	2.87	5.5	0.8	3.0	4.9	17	<0.1	0.4	0.1	50	0.27
21500 90050	Soil	2.1	37.9	8.7	100	<0.1	14.3	15.8	379	4.39	5.7	0.9	2.0	5.1	18	0.2	0.4	0.1	80	0.59
21500 90100	Soil	1.2	23.6	8.4	102	<0.1	15.4	20.1	542	4.58	4.8	0.6	0.6	4.3	21	<0.1	0.3	0.3	68	0.42
21500 90150	Soil	0.8	35.2	5.5	65	<0.1	10.1	9.4	247	2.82	4.2	0.6	27.0	6.9	17	0.2	0.3	0.1	51	0.33
21500 90200	Soil	1.9	38.6	11.7	108	0.7	17.7	17.5	749	4.69	5.0	0.9	9.6	4.3	25	0.1	0.3	0.2	114	0.63
21500 90400	Soil	1.7	20.7	11.2	59	<0.1	21.3	12.1	445	2.91	6.9	0.7	18.3	4.2	28	<0.1	0.5	0.1	67	0.48
21500 90450	Soil	1.1	24.1	7.9	86	<0.1	9.7	11.8	880	4.22	2.8	0.5	6.5	5.7	31	<0.1	0.5	<0.1	97	0.71
21500 90500	Soil	1.3	28.0	9.5	87	<0.1	15.8	15.0	751	4.47	4.9	0.7	10.5	4.2	31	<0.1	0.4	<0.1	93	0.60
21500 90550	Soil	1.7	20.2	15.2	81	<0.1	19.1	16.3	510	4.23	6.2	0.4	0.7	3.5	24	<0.1	0.5	<0.1	89	0.41
21500 90600	Soil	1.8	15.2	12.0	82	<0.1	13.8	11.8	515	4.27	5.4	0.5	1.8	3.4	26	<0.1	0.4	<0.1	94	0.44
21500 90650	Soil	1.0	13.9	10.3	115	<0.1	11.1	19.8	872	4.78	3.5	0.6	<0.5	3.2	42	<0.1	0.2	<0.1	112	0.78
21500 90700	Soil	1.1	39.1	9.3	70	<0.1	21.6	11.3	453	3.44	6.0	0.9	5.8	5.2	41	0.1	0.4	0.1	80	0.63
21500 90750	Soil	1.4	36.1	8.6	56	<0.1	22.0	10.1	413	2.85	7.2	1.0	3.2	4.1	36	0.1	0.5	0.1	65	0.55
21500 90800	Soil	0.9	18.9	9.9	90	<0.1	15.7	13.3	619	4.14	7.2	1.2	7.2	3.7	28	<0.1	0.5	<0.1	87	0.49
21500 90850	Soil	1.0	20.1	8.7	57	<0.1	17.3	10.7	345	2.81	7.3	0.6	1.7	3.2	29	0.1	0.5	0.1	73	0.48
21500 91050	Soil	1.0	28.6	9.2	64	0.1	19.8	12.2	455	2.99	7.9	1.1	6.7	4.0	37	<0.1	0.4	0.2	72	0.65
21500 91250	Soil	2.2	14.3	7.9	60	<0.1	13.6	9.6	381	2.84	6.0	0.6	7.5	3.3	29	<0.1	0.3	0.1	72	0.52
21500 91400	Soil	0.9	35.2	7.9	50	0.1	17.0	7.7	510	2.45	5.6	1.2	5.3	1.3	58	0.2	0.7	<0.1	59	1.29
21200 88000	Soil	1.4	36.6	6.5	99	<0.1	65.2	32.1	1014	4.89	1.9	0.8	<0.5	7.0	30	0.1	0.2	<0.1	79	0.58
21200 88100	Soil	0.7	43.6	5.2	108	<0.1	27.5	26.6	817	4.89	3.3	0.7	<0.5	6.5	40	<0.1	0.2	<0.1	78	0.45
21200 88150	Soil	0.7	47.2	5.1	92	<0.1	34.2	26.2	743	4.61	3.1	0.6	<0.5	6.0	48	<0.1	0.2	<0.1	78	0.59
21200 88200	Soil	0.7	22.3	5.2	115	<0.1	42.9	27.5	912	4.94	1.9	0.4	<0.5	3.8	36	<0.1	0.1	<0.1	70	0.56
21200 88250	Soil	0.7	32.3	7.4	76	<0.1	24.3	16.6	717	3.89	5.3	1.0	4.5	5.4	28	<0.1	0.3	<0.1	63	0.51
21200 88300	Soil	0.5	34.8	7.1	113	<0.1	28.2	22.3	717	4.74	3.0	0.6	1.1	7.3	42	<0.1	0.1	<0.1	77	0.68
21200 88350	Soil	0.5	44.6	6.2	76	<0.1	24.1	16.6	464	3.24	4.2	0.9	2.2	3.3	45	0.3	0.3	<0.1	63	1.00
21200 88450	Soil	0.9	16.7	12.4	68	0.1	7.7	8.4	535	3.00	9.6	1.9	1.2	10.0	19	<0.1	0.2	<0.1	35	0.54



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
21500 89550	Soil	12	27	0.97	317	0.167	1	2.02	0.017	0.30	0.2	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
21500 89700	Soil	12	27	0.74	228	0.151	2	1.99	0.015	0.16	0.2	0.01	3.2	0.1	<0.05	7	<0.5	<0.2
21500 89750	Soil	10	31	0.72	196	0.134	3	1.78	0.010	0.28	0.3	<0.01	3.3	0.2	<0.05	6	<0.5	<0.2
21500 89800	Soil	10	18	0.93	247	0.227	<1	2.02	0.012	0.70	0.2	<0.01	4.4	0.4	<0.05	8	<0.5	<0.2
21500 90000	Soil	12	25	0.47	206	0.055	1	1.13	0.011	0.07	0.1	0.01	3.7	<0.1	<0.05	3	<0.5	<0.2
21500 90050	Soil	26	15	0.65	284	0.049	1	1.65	0.013	0.13	0.2	0.02	9.4	<0.1	<0.05	7	<0.5	<0.2
21500 90100	Soil	19	19	1.37	506	0.045	<1	2.63	0.012	0.16	<0.1	0.01	5.7	<0.1	<0.05	8	<0.5	<0.2
21500 90150	Soil	26	14	0.52	258	0.015	<1	1.54	0.008	0.07	0.1	0.02	4.9	<0.1	<0.05	4	0.5	<0.2
21500 90200	Soil	20	33	0.93	490	0.039	<1	2.27	0.014	0.07	0.2	0.02	8.0	<0.1	<0.05	9	<0.5	<0.2
21500 90400	Soil	13	33	0.62	343	0.092	1	1.58	0.022	0.13	0.3	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
21500 90450	Soil	12	13	0.69	497	0.072	2	2.13	0.034	0.24	<0.1	0.02	8.1	<0.1	<0.05	9	<0.5	<0.2
21500 90500	Soil	20	24	0.76	561	0.066	2	2.27	0.022	0.20	0.1	<0.01	8.8	<0.1	<0.05	9	0.6	<0.2
21500 90550	Soil	10	40	0.67	410	0.059	2	2.28	0.015	0.28	<0.1	0.01	7.3	0.1	<0.05	8	<0.5	<0.2
21500 90600	Soil	9	20	0.54	380	0.077	1	1.92	0.019	0.22	<0.1	<0.01	5.8	<0.1	<0.05	7	<0.5	<0.2
21500 90650	Soil	12	17	1.16	366	0.208	<1	2.71	0.027	0.66	<0.1	0.01	4.8	0.2	<0.05	10	<0.5	<0.2
21500 90700	Soil	24	35	0.61	487	0.118	1	2.21	0.024	0.16	0.1	0.04	7.4	<0.1	<0.05	7	<0.5	<0.2
21500 90750	Soil	20	28	0.55	338	0.089	2	1.69	0.022	0.11	0.2	0.04	5.3	<0.1	<0.05	6	<0.5	<0.2
21500 90800	Soil	10	26	0.75	331	0.106	2	2.48	0.020	0.41	<0.1	0.01	7.7	0.1	<0.05	9	<0.5	<0.2
21500 90850	Soil	12	28	0.53	284	0.100	1	1.77	0.019	0.10	0.2	0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
21500 91050	Soil	18	29	0.66	389	0.095	2	1.79	0.025	0.10	0.2	0.04	5.6	<0.1	<0.05	6	<0.5	<0.2
21500 91250	Soil	12	25	0.61	358	0.106	1	1.61	0.015	0.10	0.1	0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
21500 91400	Soil	29	22	0.46	652	0.044	3	1.33	0.018	0.09	0.2	0.09	4.5	<0.1	0.12	4	1.1	<0.2
21200 88000	Soil	23	148	1.99	367	0.091	<1	2.78	0.012	0.48	0.1	0.01	7.7	0.2	<0.05	8	<0.5	<0.2
21200 88100	Soil	17	57	2.00	334	0.294	<1	2.98	0.013	1.20	0.2	0.01	1.9	0.5	<0.05	7	<0.5	<0.2
21200 88150	Soil	12	65	1.93	347	0.244	<1	2.80	0.015	0.65	0.2	<0.01	2.9	0.3	<0.05	7	<0.5	<0.2
21200 88200	Soil	11	80	2.27	362	0.303	<1	3.14	0.008	1.14	<0.1	<0.01	1.5	0.4	<0.05	8	<0.5	<0.2
21200 88250	Soil	31	40	1.13	503	0.124	1	2.17	0.017	0.35	0.1	0.03	5.0	0.1	<0.05	7	<0.5	<0.2
21200 88300	Soil	16	49	2.03	447	0.225	<1	2.74	0.010	0.87	<0.1	<0.01	2.6	0.4	<0.05	8	<0.5	<0.2
21200 88350	Soil	13	50	1.25	269	0.130	1	1.95	0.018	0.27	<0.1	0.03	3.9	0.2	<0.05	6	<0.5	<0.2
21200 88450	Soil	29	14	0.67	190	0.090	<1	1.43	0.015	0.26	<0.1	0.01	2.4	0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
21200 88550	Soil	0.5	19.5	11.0	69	<0.1	10.9	9.0	283	2.69	10.9	1.7	1.6	18.2	18	<0.1	0.2	<0.1	34	0.41
21200 88650	Soil	0.5	15.2	9.5	69	<0.1	10.6	11.1	533	2.97	7.0	1.8	<0.5	8.9	22	<0.1	0.1	<0.1	51	0.52
21200 88700	Soil	0.5	12.2	16.1	60	<0.1	6.8	7.0	250	2.81	7.4	1.6	0.6	9.4	27	<0.1	0.2	0.1	21	0.44
21200 88750	Soil	0.6	19.9	9.8	60	<0.1	16.0	8.8	353	2.74	9.7	2.4	2.2	11.4	30	<0.1	0.4	0.1	39	0.44
21200 88800	Soil	1.2	19.3	44.5	85	0.3	21.4	9.9	344	2.66	12.3	3.0	6.1	8.5	33	0.2	0.2	0.9	34	0.35
21200 88850	Soil	0.9	22.0	14.3	75	0.1	13.7	7.5	338	3.01	13.2	3.2	3.7	9.8	47	<0.1	0.3	0.2	34	0.20
21200 88950	Soil	1.1	30.3	40.0	154	<0.1	78.3	16.0	440	3.51	24.3	3.3	3.0	14.2	77	0.3	0.3	0.3	53	0.56
21200 89000	Soil	2.1	43.3	61.1	251	0.4	7.9	5.1	181	3.04	18.4	2.4	6.5	11.5	21	0.2	0.5	3.3	26	0.08
21200 89050	Soil	2.1	49.3	142.0	55	0.3	4.5	2.0	77	1.94	19.3	3.6	5.0	19.5	30	0.4	0.4	1.0	13	0.08
21200 89100	Soil	2.0	51.1	238.6	96	1.6	8.4	3.6	138	2.43	30.4	2.5	10.9	8.9	27	0.4	0.4	5.7	29	0.14
21200 89150	Soil	1.5	37.2	184.1	122	0.7	11.7	5.3	207	2.95	25.8	2.6	10.7	9.8	31	0.5	0.4	2.1	37	0.20
21200 89200	Soil	1.2	14.8	49.3	157	0.6	6.5	5.9	283	2.81	25.2	1.7	6.2	15.9	16	0.3	0.2	1.2	26	0.16
21200 89250	Soil	1.4	29.3	98.0	116	0.5	11.3	5.3	165	2.56	103.7	3.0	8.1	11.2	25	0.5	0.3	0.5	39	0.16
21200 89300	Soil	2.2	22.3	26.2	73	0.1	17.7	9.0	291	2.68	37.1	1.5	5.8	10.5	21	0.2	0.4	0.5	42	0.23
21200 89350	Soil	1.4	17.3	12.6	84	0.1	13.5	9.0	395	3.08	22.3	0.8	4.2	4.8	21	0.1	0.3	0.2	49	0.35
21200 89400	Soil	1.6	16.6	13.4	75	<0.1	9.8	6.4	496	3.11	5.5	1.6	9.6	9.3	19	<0.1	0.3	0.2	32	0.35
21200 89450	Soil	1.7	20.3	9.3	58	0.3	16.7	8.0	269	2.64	24.0	0.9	3.7	4.2	27	<0.1	0.5	0.1	52	0.31
21200 89500	Soil	3.1	18.6	19.4	83	0.2	10.0	6.3	239	3.12	16.0	1.6	37.6	6.9	20	<0.1	0.5	0.2	26	0.32
21200 89550	Soil	2.2	12.6	11.4	85	<0.1	4.1	5.9	505	3.62	7.4	0.7	<0.5	6.5	14	<0.1	0.2	<0.1	25	0.24
21200 89600	Soil	0.9	17.9	6.8	90	<0.1	13.7	21.2	395	4.43	7.5	0.5	0.7	2.3	18	<0.1	0.3	<0.1	116	0.57
21200 89650	Soil	0.8	20.0	8.1	79	<0.1	12.8	16.8	401	3.96	6.3	0.6	5.3	3.3	21	<0.1	0.2	0.1	100	0.51
621200 90000	Soil	0.6	15.2	3.9	119	<0.1	11.9	17.4	950	5.69	1.9	0.8	1.4	4.5	54	<0.1	0.2	0.1	124	0.45
21200 90050	Soil	0.6	47.7	3.8	135	<0.1	7.7	24.6	939	6.80	1.8	0.8	<0.5	5.4	21	0.2	0.1	<0.1	205	0.48
21200 90100	Soil	1.9	33.9	9.7	102	0.2	76.0	23.6	1500	5.34	3.3	0.6	5.6	3.6	40	0.4	0.3	0.2	115	1.28
21200 90150	Soil	0.7	30.5	6.2	115	0.2	7.1	17.9	1396	5.78	3.4	0.5	9.7	4.2	52	0.3	0.2	0.2	134	2.17
21200 90200	Soil	1.1	17.8	9.0	90	<0.1	31.5	18.3	1607	5.45	2.5	0.8	13.5	6.2	35	0.1	0.3	<0.1	101	0.85
21200 90250	Soil	0.4	21.8	8.0	86	<0.1	34.6	18.3	837	4.39	4.8	0.6	5.4	4.0	45	<0.1	0.4	<0.1	119	0.88
21200 90300	Soil	1.0	23.3	10.1	65	<0.1	17.4	11.4	534	3.52	6.7	1.2	4.4	4.4	29	<0.1	0.4	0.1	80	0.43
21200 90350	Soil	1.6	47.7	7.5	83	<0.1	15.0	12.7	804	4.76	4.1	1.0	3.9	6.5	21	<0.1	0.5	<0.1	83	0.50
21200 90400	Soil	1.4	59.6	12.0	97	<0.1	17.8	17.8	1096	5.39	4.2	0.7	10.1	4.3	25	<0.1	0.4	<0.1	85	0.63



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
21200 88550	Soil	37	19	0.69	190	0.120	<1	1.66	0.009	0.46	<0.1	0.01	2.5	0.3	<0.05	5	<0.5	<0.2
21200 88650	Soil	23	17	0.84	320	0.163	<1	1.58	0.012	0.61	0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
21200 88700	Soil	14	11	0.58	168	0.097	<1	1.66	0.036	0.31	<0.1	<0.01	1.4	0.2	<0.05	3	<0.5	<0.2
21200 88750	Soil	26	24	0.65	219	0.096	<1	1.50	0.013	0.25	<0.1	0.02	3.3	0.2	<0.05	4	<0.5	<0.2
21200 88800	Soil	32	35	0.55	302	0.059	<1	1.50	0.011	0.10	<0.1	0.02	3.2	0.1	<0.05	4	0.6	0.5
21200 88850	Soil	28	21	0.54	326	0.098	<1	1.39	0.031	0.23	<0.1	0.02	3.4	0.2	0.09	4	0.5	<0.2
21200 88950	Soil	51	108	1.37	558	0.130	<1	1.84	0.016	0.08	<0.1	<0.01	5.0	0.2	<0.05	5	1.0	1.2
21200 89000	Soil	22	11	0.28	88	0.040	<1	1.27	0.011	0.11	<0.1	0.02	2.0	0.2	0.05	4	4.4	0.9
21200 89050	Soil	35	6	0.13	149	0.024	<1	1.12	0.018	0.09	<0.1	0.01	1.9	0.1	0.12	2	5.1	0.3
21200 89100	Soil	23	16	0.33	179	0.048	<1	1.41	0.018	0.11	<0.1	0.08	2.6	0.2	0.11	4	5.9	0.4
21200 89150	Soil	20	18	0.43	155	0.069	1	1.36	0.026	0.13	<0.1	0.06	2.6	0.2	0.14	4	3.9	<0.2
21200 89200	Soil	23	10	0.63	107	0.097	<1	1.58	0.013	0.52	0.1	0.03	1.6	0.4	<0.05	6	1.6	<0.2
21200 89250	Soil	26	21	0.37	182	0.044	<1	1.62	0.019	0.12	<0.1	0.04	3.0	0.1	0.07	5	1.5	<0.2
21200 89300	Soil	15	26	0.52	146	0.064	<1	1.46	0.012	0.09	0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
21200 89350	Soil	13	20	0.82	226	0.125	<1	1.95	0.012	0.35	0.1	0.01	2.8	0.2	<0.05	5	<0.5	<0.2
21200 89400	Soil	27	14	0.60	333	0.098	1	1.69	0.013	0.43	0.1	0.02	4.1	0.2	<0.05	6	<0.5	<0.2
21200 89450	Soil	13	20	0.62	252	0.099	<1	1.60	0.013	0.19	0.1	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
21200 89500	Soil	23	11	0.57	256	0.030	1	2.08	0.010	0.28	<0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
21200 89550	Soil	5	7	1.15	144	0.157	1	2.46	0.009	0.91	0.1	<0.01	3.5	0.4	<0.05	10	<0.5	<0.2
21200 89600	Soil	13	15	1.48	339	0.213	<1	2.88	0.013	0.83	<0.1	0.01	3.9	0.3	<0.05	9	<0.5	<0.2
21200 89650	Soil	15	18	1.92	300	0.177	<1	2.86	0.016	0.73	<0.1	<0.01	4.1	0.3	<0.05	8	<0.5	<0.2
621200 90000	Soil	16	21	1.80	610	0.201	2	2.89	0.012	1.06	<0.1	0.01	11.5	0.3	<0.05	12	<0.5	<0.2
21200 90050	Soil	12	7	2.19	551	0.281	<1	3.13	0.019	1.38	<0.1	<0.01	12.3	0.5	<0.05	14	<0.5	<0.2
21200 90100	Soil	16	153	2.44	477	0.019	1	3.35	0.011	0.21	<0.1	<0.01	12.4	<0.1	<0.05	12	<0.5	<0.2
21200 90150	Soil	18	21	1.62	421	0.010	4	2.58	0.014	0.14	<0.1	0.03	14.5	<0.1	<0.05	13	<0.5	<0.2
21200 90200	Soil	25	25	1.05	847	0.042	1	2.06	0.010	0.26	<0.1	0.01	10.9	<0.1	<0.05	8	<0.5	<0.2
21200 90250	Soil	21	37	1.34	739	0.099	1	2.14	0.021	0.29	<0.1	0.03	11.5	0.1	<0.05	8	<0.5	<0.2
21200 90300	Soil	14	29	0.74	490	0.119	2	1.88	0.023	0.22	0.1	0.03	8.4	<0.1	<0.05	7	<0.5	<0.2
21200 90350	Soil	17	21	0.88	504	0.127	<1	1.92	0.011	0.69	<0.1	<0.01	10.1	0.3	<0.05	7	0.5	<0.2
21200 90400	Soil	12	21	0.51	549	0.055	2	1.38	0.015	0.37	<0.1	0.02	14.3	0.1	<0.05	5	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
21200 90450	Soil	0.6	42.4	8.5	63	<0.1	20.3	12.0	502	3.32	5.8	1.1	7.3	3.5	40	<0.1	0.4	0.1	78	1.01	0.097
21200 90500	Soil	1.5	28.8	10.4	49	<0.1	19.9	9.2	413	2.54	7.6	0.6	49.7	3.0	45	0.1	0.6	0.1	56	0.99	0.077
21200 90550	Soil	1.2	54.7	11.8	85	<0.1	21.2	13.6	615	4.40	4.6	0.6	38.5	2.9	32	<0.1	0.5	<0.1	106	0.95	0.127
21200 90600	Soil	1.1	17.8	10.5	68	<0.1	14.1	10.6	457	3.10	5.7	0.7	4.9	2.8	26	<0.1	0.4	0.1	70	0.58	0.058
21200 90650	Soil	0.8	14.5	9.4	75	<0.1	15.4	10.3	436	3.41	6.2	0.5	3.0	4.3	26	<0.1	0.4	<0.1	74	0.42	0.085
21200 90700	Soil	0.4	6.1	5.1	85	<0.1	16.6	11.4	584	3.69	4.0	0.4	1.2	4.0	29	<0.1	0.2	<0.1	78	0.55	0.171
21200 90750	Soil	0.9	12.3	9.5	61	<0.1	14.8	9.4	442	2.83	6.4	0.4	4.0	3.4	35	<0.1	0.4	0.1	65	0.41	0.068
21200 90800	Soil	1.4	50.7	9.3	67	0.1	25.2	11.5	678	3.27	6.1	1.3	6.9	3.0	35	0.2	0.6	0.1	67	0.88	0.081
21200 90850	Soil	0.7	16.3	6.6	64	<0.1	12.8	9.0	435	2.75	4.9	0.7	3.1	3.9	26	<0.1	0.4	<0.1	57	0.61	0.069
21200 90900	Soil	0.9	27.9	8.9	66	<0.1	19.5	10.9	680	2.97	5.6	0.8	3.4	4.5	31	0.1	0.3	0.1	67	0.61	0.093
21200 90950	Soil	0.8	40.0	7.7	62	<0.1	22.5	11.4	667	2.84	4.9	1.5	4.4	2.8	39	0.3	0.4	0.1	61	1.10	0.085
21200 91000	Soil	0.6	8.5	5.8	81	<0.1	10.0	10.2	611	3.31	3.0	0.6	2.4	4.7	25	<0.1	0.2	<0.1	65	0.65	0.133
20700 88000	Soil	1.2	26.7	8.8	54	<0.1	20.7	10.3	409	3.62	4.4	1.0	3.7	4.9	22	<0.1	0.6	0.1	43	0.37	0.040
20700 88050	Soil	1.6	48.1	21.3	67	0.1	72.7	21.5	623	4.10	5.3	1.1	2.7	5.9	67	<0.1	0.6	0.2	82	1.04	0.190
20700 88100	Soil	1.5	33.0	13.0	57	0.1	28.4	13.9	524	3.02	5.0	1.2	2.0	2.4	54	0.2	0.5	0.2	57	1.29	0.066
20700 88150	Soil	2.4	25.2	18.0	70	<0.1	30.9	18.5	650	3.80	4.0	0.7	2.2	5.9	35	0.1	0.4	0.1	71	0.61	0.069
20700 88200	Soil	1.4	17.7	15.5	58	<0.1	25.2	8.9	256	2.67	23.4	1.6	2.3	11.2	39	<0.1	0.4	0.2	40	0.62	0.106
20700 88250	Soil	1.8	46.5	10.6	86	0.1	30.1	9.8	530	3.60	2.8	0.8	3.8	10.5	18	<0.1	0.2	0.2	55	0.55	0.061
20700 88300	Soil	0.7	11.0	5.5	79	<0.1	12.0	5.3	411	3.08	4.0	0.8	0.9	10.5	10	<0.1	0.2	0.1	26	0.16	0.022
20700 88350	Soil	0.3	38.1	2.8	52	<0.1	23.6	23.1	316	3.70	1.3	0.3	1.0	1.1	15	<0.1	<0.1	<0.1	105	0.60	0.121
20700 88400	Soil	0.3	67.8	4.8	91	<0.1	32.4	24.6	318	4.80	2.8	0.4	1.3	2.1	27	<0.1	0.2	<0.1	109	0.95	0.187
20700 88450	Soil	0.5	84.6	11.9	105	<0.1	20.0	30.0	204	5.30	2.8	0.7	2.1	4.1	24	0.1	0.2	0.1	131	1.15	0.211
20700 88500	Soil	0.7	46.3	8.6	67	<0.1	19.5	18.4	459	3.24	5.5	0.8	4.0	3.4	28	0.1	0.2	0.1	78	0.67	0.148
20700 88550	Soil	0.5	42.6	7.9	60	<0.1	20.6	13.6	236	2.98	5.9	0.8	2.3	3.2	26	<0.1	0.3	0.1	75	0.65	0.070
20700 88600	Soil	0.3	50.8	3.7	96	<0.1	15.4	27.6	616	3.97	1.9	0.3	3.2	0.9	27	0.1	0.1	<0.1	122	0.85	0.235
20700 88650	Soil	0.6	35.2	9.8	62	<0.1	16.2	17.4	424	3.08	4.2	0.6	1.0	2.0	24	<0.1	0.2	<0.1	88	0.51	0.118
20700 88700	Soil	1.0	39.0	8.5	58	0.1	22.5	14.2	415	2.79	6.3	0.8	2.4	2.7	28	0.1	0.3	0.1	70	0.74	0.088
20700 88800	Soil	0.9	32.5	17.6	61	0.1	73.9	17.8	610	3.14	11.8	1.9	1.9	11.0	72	<0.1	0.3	0.2	63	1.20	0.158
20700 88850	Soil	1.4	19.5	21.4	59	<0.1	15.6	9.1	223	3.38	13.2	1.4	2.0	7.1	28	<0.1	0.4	0.2	45	0.17	0.035
20700 88900	Soil	1.2	10.6	17.2	107	0.1	12.2	6.5	211	2.32	7.8	0.6	1.3	2.9	20	<0.1	0.2	0.2	50	0.22	0.070



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
21200 90450	Soil	15	29	0.95	535	0.119	2	1.96	0.026	0.25	0.1	0.05	7.6	0.1	<0.05	7	0.8	<0.2
21200 90500	Soil	13	26	0.57	424	0.073	2	1.33	0.026	0.11	0.2	0.04	4.7	<0.1	<0.05	4	<0.5	<0.2
21200 90550	Soil	15	23	0.84	643	0.065	2	2.07	0.020	0.35	<0.1	0.04	11.5	0.1	<0.05	8	0.5	<0.2
21200 90600	Soil	11	23	0.72	384	0.068	1	1.57	0.015	0.22	<0.1	<0.01	4.3	<0.1	<0.05	7	0.5	<0.2
21200 90650	Soil	12	21	0.90	293	0.107	1	2.06	0.023	0.34	<0.1	<0.01	4.6	0.1	<0.05	7	<0.5	<0.2
21200 90700	Soil	12	19	1.25	268	0.141	1	2.26	0.016	0.48	<0.1	<0.01	3.5	0.2	<0.05	9	<0.5	<0.2
21200 90750	Soil	10	24	0.67	293	0.080	1	1.89	0.016	0.18	<0.1	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
21200 90800	Soil	22	28	0.64	695	0.057	3	1.55	0.016	0.17	<0.1	0.05	8.0	<0.1	<0.05	5	<0.5	<0.2
21200 90850	Soil	13	19	0.72	307	0.081	2	1.47	0.018	0.20	<0.1	0.02	3.9	<0.1	<0.05	6	0.7	<0.2
21200 90900	Soil	16	28	0.74	547	0.087	2	1.65	0.017	0.17	<0.1	0.03	4.5	<0.1	<0.05	6	<0.5	<0.2
21200 90950	Soil	17	29	0.69	785	0.074	2	1.47	0.016	0.15	<0.1	0.06	7.1	<0.1	<0.05	5	0.9	0.3
21200 91000	Soil	14	16	0.83	372	0.073	2	1.60	0.021	0.21	<0.1	<0.01	4.4	<0.1	<0.05	7	<0.5	<0.2
20700 88000	Soil	17	29	0.75	328	0.080	1	1.91	0.017	0.19	0.2	0.01	4.8	0.1	<0.05	6	<0.5	<0.2
20700 88050	Soil	27	82	1.02	441	0.070	1	2.21	0.018	0.07	0.1	0.04	7.6	<0.1	<0.05	6	0.7	<0.2
20700 88100	Soil	12	38	0.72	411	0.051	1	1.75	0.012	0.08	<0.1	0.03	3.5	<0.1	<0.05	5	0.5	<0.2
20700 88150	Soil	13	63	1.24	329	0.087	1	2.25	0.013	0.36	<0.1	<0.01	3.5	0.2	<0.05	7	<0.5	<0.2
20700 88200	Soil	27	31	0.50	217	0.042	2	1.24	0.010	0.12	0.2	0.02	3.9	<0.1	<0.05	3	<0.5	<0.2
20700 88250	Soil	37	65	1.35	336	0.142	1	2.39	0.010	0.92	<0.1	0.02	7.9	0.3	<0.05	10	0.8	<0.2
20700 88300	Soil	23	17	0.66	209	0.063	1	1.56	0.007	0.41	<0.1	<0.01	3.1	0.2	<0.05	8	0.5	<0.2
20700 88350	Soil	26	67	2.61	400	0.276	1	2.97	0.021	0.85	<0.1	<0.01	3.0	0.2	<0.05	8	<0.5	<0.2
20700 88400	Soil	8	54	2.36	372	0.200	1	2.98	0.027	0.74	<0.1	<0.01	10.5	0.2	<0.05	10	<0.5	<0.2
20700 88450	Soil	16	33	2.86	443	0.243	1	3.38	0.023	0.90	<0.1	0.01	8.9	0.2	<0.05	14	<0.5	<0.2
20700 88500	Soil	13	30	1.45	380	0.128	2	2.19	0.019	0.35	0.1	<0.01	4.9	0.1	<0.05	7	<0.5	<0.2
20700 88550	Soil	13	34	1.09	331	0.129	<1	1.95	0.018	0.19	0.2	0.02	4.4	0.1	<0.05	7	<0.5	<0.2
20700 88600	Soil	5	14	2.02	357	0.266	1	2.49	0.014	1.15	<0.1	<0.01	2.4	0.1	<0.05	8	<0.5	<0.2
20700 88650	Soil	8	25	1.15	277	0.159	1	1.87	0.016	0.33	0.1	0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
20700 88700	Soil	12	32	0.84	304	0.114	1	1.76	0.019	0.17	0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
20700 88800	Soil	43	98	1.27	688	0.113	<1	1.91	0.016	0.09	0.1	0.03	4.9	0.1	<0.05	6	<0.5	<0.2
20700 88850	Soil	14	26	0.49	228	0.077	<1	2.06	0.013	0.08	0.1	<0.01	2.1	<0.1	<0.05	5	0.6	0.3
20700 88900	Soil	10	21	0.51	209	0.064	<1	1.60	0.008	0.16	<0.1	<0.01	1.9	0.1	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
20700 88950	Soil	1.4	16.6	15.3	72	0.1	14.9	8.9	521	3.00	7.7	1.0	3.8	7.0	23	0.1	0.2	0.2	50	0.26	0.062
20700 89000	Soil	1.9	11.9	37.1	39	0.2	9.5	5.0	137	2.52	24.3	2.6	4.1	13.1	38	<0.1	0.2	0.3	24	0.16	0.042
20700 89050	Soil	9.1	8.5	53.5	20	0.3	8.0	1.7	57	2.98	37.6	1.1	5.5	19.8	21	<0.1	0.3	1.0	17	0.03	0.025
20700 89100	Soil	1.5	19.6	134.5	187	0.6	16.7	11.1	321	3.04	23.0	2.6	4.4	9.5	32	0.2	0.4	2.8	46	0.15	0.027
20700 89150	Soil	1.2	11.1	60.8	40	0.2	5.2	2.2	68	2.40	24.5	0.9	5.0	8.4	23	0.1	0.2	3.4	14	0.05	0.027
20700 89200	Soil	1.8	14.2	75.3	44	0.3	6.6	1.8	53	2.57	16.7	1.7	19.6	7.7	44	<0.1	0.2	8.5	22	0.10	0.045
20700 89750	Soil	1.9	23.6	57.4	112	0.3	12.5	6.9	205	3.57	18.4	1.3	4.9	5.5	30	1.2	0.4	3.7	45	0.20	0.079
21100 88000	Soil	4.2	46.7	8.2	99	<0.1	33.3	31.2	850	4.80	1.8	0.4	0.9	3.7	47	<0.1	0.1	<0.1	80	0.73	0.175
21100 88100	Soil	1.1	50.8	11.3	74	<0.1	38.4	19.8	530	4.08	9.1	0.7	3.5	8.2	34	<0.1	0.6	0.1	76	0.52	0.066
21100 88150	Soil	1.2	32.2	14.7	82	<0.1	18.7	27.5	681	4.47	3.3	0.4	1.9	4.0	39	<0.1	0.2	<0.1	79	0.60	0.106
21100 88200	Soil	1.0	53.9	7.7	92	<0.1	43.4	27.3	762	5.00	3.2	0.7	2.6	4.1	53	<0.1	0.2	<0.1	80	0.85	0.154
21100 88250	Soil	1.2	28.6	14.7	78	<0.1	27.7	17.0	495	3.80	5.8	0.8	1.9	5.8	34	<0.1	0.3	0.1	64	0.50	0.078
21100 88300	Soil	0.8	27.8	9.6	97	<0.1	30.9	20.6	643	4.73	3.0	0.5	1.1	3.3	44	0.1	0.2	<0.1	66	0.58	0.132
21100 88350	Soil	0.9	42.6	13.9	79	<0.1	29.2	20.3	557	3.64	4.3	0.8	1.7	4.2	55	0.1	0.2	<0.1	78	1.08	0.136
21100 88500	Soil	1.2	28.5	15.0	78	0.1	16.2	9.7	355	2.78	24.7	2.1	1.8	14.7	31	0.2	0.3	0.1	44	0.87	0.090
21100 88600	Soil	1.3	21.0	16.8	56	<0.1	18.2	8.6	293	2.64	17.1	1.5	1.8	13.3	27	<0.1	0.4	0.1	49	0.58	0.042
21100 88750	Soil	1.1	16.5	17.9	58	<0.1	16.4	8.9	545	2.45	9.1	3.0	1.7	14.3	39	0.2	0.2	0.1	24	0.71	0.075
21100 88800	Soil	1.3	13.0	22.9	78	<0.1	13.4	7.1	441	2.89	11.1	2.2	2.3	12.1	32	<0.1	0.2	0.2	29	0.60	0.084
21100 88850	Soil	1.3	24.0	44.9	81	0.2	63.1	11.9	268	3.44	16.0	2.5	5.5	12.7	67	0.1	0.3	1.9	39	0.55	0.191
21100 88900	Soil	2.3	31.4	28.6	258	0.1	64.0	16.6	322	3.96	14.0	6.6	2.4	11.7	149	0.2	0.3	0.9	65	0.28	0.144
21100 88950	Soil	1.8	21.1	35.7	65	0.2	13.4	5.1	136	2.32	13.0	4.5	1.2	7.6	33	0.1	0.4	0.7	37	0.16	0.037
21100 89000	Soil	1.3	131.6	70.3	210	0.4	7.4	4.8	330	3.36	21.4	3.5	8.0	9.9	42	0.2	0.5	2.8	37	0.15	0.055
21100 89050	Soil	2.1	49.1	82.9	198	0.6	8.9	5.0	289	2.99	10.7	2.8	6.9	10.6	28	0.2	0.6	2.3	30	0.15	0.053
21100 89100	Soil	1.4	42.8	47.9	141	0.3	10.6	6.3	243	2.60	11.5	1.9	3.0	6.9	28	0.5	0.3	2.0	37	0.17	0.034
21100 89150	Soil	1.4	53.6	99.1	418	0.6	19.0	8.2	594	3.45	18.6	3.5	10.3	10.2	54	0.7	0.3	3.5	47	0.20	0.048
21100 89200	Soil	2.8	33.9	235.4	187	2.4	8.2	2.8	164	3.21	30.2	3.5	32.9	18.2	43	0.5	0.4	6.9	19	0.11	0.061
21100 89250	Soil	1.2	21.8	51.0	313	0.2	9.1	8.3	363	3.42	34.4	4.2	4.0	29.2	22	0.4	0.2	0.3	25	0.12	0.035
21100 89300	Soil	2.0	23.3	29.9	340	0.2	10.3	13.7	717	3.39	87.8	2.0	728.1	15.4	13	1.2	0.2	0.4	44	0.12	0.031
21100 89350	Soil	3.6	24.8	20.6	106	0.2	19.0	6.3	339	2.85	47.7	1.6	4.9	8.1	20	0.1	0.5	0.4	43	0.29	0.061
21100 89400	Soil	2.5	30.1	22.3	95	<0.1	14.5	12.6	495	3.91	15.5	1.2	17.9	4.7	21	<0.1	0.4	0.2	84	0.30	0.054



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
20700 88950	Soil	13	24	0.63	319	0.132	1	1.94	0.009	0.41	0.1	<0.01	1.8	0.2	<0.05	6	<0.5	<0.2
20700 89000	Soil	30	15	0.24	278	0.029	<1	1.15	0.033	0.12	<0.1	0.01	1.8	0.1	0.15	3	0.7	0.8
20700 89050	Soil	39	17	0.10	146	0.011	<1	0.86	0.061	0.21	<0.1	<0.01	1.4	0.1	0.47	3	1.7	0.9
20700 89100	Soil	22	28	0.40	202	0.063	1	1.67	0.036	0.09	0.1	0.04	3.5	0.1	0.15	5	1.2	1.3
20700 89150	Soil	21	11	0.11	95	0.011	<1	0.70	0.011	0.08	<0.1	0.01	1.2	<0.1	0.08	2	2.1	0.8
20700 89200	Soil	26	13	0.14	192	0.017	<1	0.87	0.016	0.06	<0.1	<0.01	1.6	<0.1	0.10	3	3.7	<0.2
20700 89750	Soil	18	19	0.32	164	0.056	1	1.07	0.022	0.07	0.3	0.03	2.0	<0.1	0.09	4	2.3	0.2
21100 88000	Soil	6	78	2.46	469	0.245	1	3.04	0.012	1.34	0.2	<0.01	1.4	0.4	<0.05	7	<0.5	<0.2
21100 88100	Soil	23	69	1.35	200	0.153	1	2.43	0.025	0.26	0.2	0.03	5.6	0.2	<0.05	7	<0.5	<0.2
21100 88150	Soil	6	33	1.99	205	0.210	1	2.71	0.019	0.58	0.2	<0.01	2.1	0.2	<0.05	6	<0.5	<0.2
21100 88200	Soil	13	102	2.16	420	0.224	1	3.12	0.018	0.72	0.1	0.01	3.8	0.3	<0.05	7	<0.5	<0.2
21100 88250	Soil	17	40	1.22	275	0.107	1	2.42	0.013	0.21	<0.1	<0.01	3.3	0.1	<0.05	7	<0.5	<0.2
21100 88300	Soil	12	65	1.60	267	0.204	1	2.55	0.011	0.54	<0.1	<0.01	2.1	0.2	<0.05	7	<0.5	<0.2
21100 88350	Soil	12	68	1.50	220	0.169	1	2.09	0.023	0.40	0.1	0.01	4.3	0.2	<0.05	6	<0.5	<0.2
21100 88500	Soil	32	25	0.62	223	0.063	2	1.57	0.012	0.29	<0.1	0.02	3.3	0.2	<0.05	5	0.6	<0.2
21100 88600	Soil	39	31	0.50	261	0.087	2	1.56	0.015	0.27	<0.1	0.01	2.4	0.2	<0.05	5	<0.5	<0.2
21100 88750	Soil	35	27	0.54	350	0.073	<1	1.72	0.054	0.17	<0.1	<0.01	2.4	0.1	<0.05	3	0.5	<0.2
21100 88800	Soil	32	25	0.68	291	0.089	<1	1.81	0.022	0.26	<0.1	<0.01	1.8	0.2	<0.05	4	<0.5	<0.2
21100 88850	Soil	40	82	1.13	403	0.114	<1	1.94	0.014	0.17	<0.1	0.01	3.4	0.2	<0.05	5	<0.5	0.5
21100 88900	Soil	84	117	1.06	488	0.096	2	2.57	0.013	0.13	<0.1	0.02	5.4	0.1	<0.05	6	1.1	<0.2
21100 88950	Soil	23	23	0.35	200	0.056	1	1.39	0.010	0.08	<0.1	0.02	2.5	<0.1	<0.05	4	1.1	<0.2
21100 89000	Soil	28	16	0.80	202	0.137	<1	1.81	0.014	0.41	<0.1	0.02	2.0	0.5	0.08	4	7.2	0.7
21100 89050	Soil	24	17	0.54	167	0.105	<1	1.65	0.019	0.25	<0.1	0.02	1.7	0.3	0.13	4	6.0	1.0
21100 89100	Soil	19	22	0.46	193	0.072	1	1.56	0.017	0.11	<0.1	0.03	2.3	0.2	0.07	4	1.9	0.2
21100 89150	Soil	22	39	1.11	222	0.169	<1	2.17	0.032	0.57	<0.1	0.04	2.0	0.6	0.22	4	3.4	0.9
21100 89200	Soil	37	18	0.31	173	0.046	1	1.19	0.091	0.25	<0.1	0.10	1.7	0.3	0.48	3	6.0	0.8
21100 89250	Soil	32	14	0.62	152	0.133	<1	1.80	0.012	0.69	0.1	0.01	2.9	0.5	<0.05	7	0.6	<0.2
21100 89300	Soil	17	14	0.74	163	0.130	1	1.85	0.008	0.67	0.1	0.07	2.8	0.6	<0.05	5	0.5	<0.2
21100 89350	Soil	19	26	0.70	131	0.064	1	1.67	0.010	0.18	0.1	<0.01	2.8	0.2	<0.05	5	<0.5	<0.2
21100 89400	Soil	19	24	1.07	310	0.134	2	2.34	0.013	0.30	0.2	0.01	3.9	0.2	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
21100 89450	Soil	1.6	16.2	13.0	84	<0.1	14.2	10.8	423	3.45	13.8	0.5	6.9	2.5	18	<0.1	0.4	0.1	84	0.28
21100 89500	Soil	3.8	30.6	14.1	66	0.1	21.1	5.4	163	2.49	104.3	1.6	0.9	8.4	22	0.1	3.6	0.3	30	0.15
21100 89550	Soil	1.7	24.0	12.5	73	<0.1	16.3	10.9	326	3.12	23.6	0.9	2.2	5.8	20	<0.1	0.5	0.2	54	0.23
21100 89600	Soil	6.9	29.2	11.3	83	<0.1	23.3	9.1	270	3.41	92.6	1.8	2.7	6.5	29	<0.1	2.3	0.2	59	0.33
26100 88000	Soil	1.2	17.2	15.3	116	<0.1	16.3	13.4	709	3.81	5.6	0.8	2.0	3.8	19	<0.1	0.4	<0.1	61	0.34
26100 88050	Soil	1.6	20.0	18.5	115	<0.1	20.5	16.5	1226	4.82	6.3	0.9	6.0	4.9	20	<0.1	0.4	<0.1	91	0.36
26100 88100	Soil	0.8	7.9	14.9	95	<0.1	11.9	6.1	244	1.74	3.6	0.2	<0.5	1.0	23	<0.1	0.2	<0.1	29	0.31
26100 88150	Soil	1.6	39.0	7.4	108	<0.1	71.6	25.8	480	5.30	4.3	0.5	<0.5	2.0	25	<0.1	<0.1	<0.1	163	0.70
26100 88200	Soil	0.4	26.2	10.2	128	<0.1	12.5	16.9	524	4.14	4.0	0.6	1.8	3.8	26	<0.1	0.2	<0.1	80	0.52
26100 88250	Soil	0.9	27.6	7.6	81	<0.1	13.9	10.5	402	3.21	4.3	0.6	<0.5	4.6	21	<0.1	0.2	<0.1	54	0.30
26100 88300	Soil	1.0	61.9	7.0	121	<0.1	9.8	19.6	878	5.33	3.0	0.2	<0.5	0.3	21	<0.1	<0.1	<0.1	141	0.43
26100 88350	Soil	0.9	34.3	9.3	87	<0.1	17.7	19.9	382	4.13	5.0	0.2	4.9	1.3	18	<0.1	0.3	<0.1	134	0.35
26100 88400	Soil	0.5	22.4	8.2	108	<0.1	11.0	19.7	810	6.20	3.8	0.9	<0.5	5.5	29	0.1	0.2	<0.1	163	0.66
26100 88450	Soil	0.7	45.9	12.4	69	<0.1	21.5	15.8	639	4.19	4.5	0.3	0.6	1.3	26	0.1	0.2	<0.1	104	0.65
26100 88500	Soil	0.7	69.0	85.6	271	<0.1	40.1	21.1	939	3.74	3.0	0.2	<0.5	1.1	25	0.6	0.2	<0.1	118	0.56
26100 88550	Soil	1.7	33.0	11.5	87	0.2	19.9	9.2	618	3.39	6.4	0.7	2.3	4.1	22	<0.1	0.3	0.1	68	0.27
26400 88050	Soil	1.2	19.5	20.6	46	<0.1	23.1	8.5	261	2.34	7.5	0.7	10.8	3.7	27	0.1	0.6	0.1	54	0.35
26400 88100	Soil	0.5	11.8	6.5	80	<0.1	15.3	20.4	282	3.29	1.7	0.9	<0.5	4.1	45	<0.1	<0.1	<0.1	65	0.49
26400 88150	Soil	0.6	21.4	10.9	103	<0.1	8.4	9.2	561	3.89	2.5	0.6	0.5	5.2	17	<0.1	0.2	<0.1	50	0.38
26400 88200	Soil	0.5	44.2	5.7	104	<0.1	25.3	20.3	726	5.17	2.8	0.2	<0.5	0.9	26	<0.1	0.1	<0.1	129	0.50
26400 88250	Soil	1.0	28.0	11.6	55	<0.1	17.2	14.3	316	3.30	7.0	0.3	<0.5	1.9	16	<0.1	0.4	0.1	96	0.32
26400 88300	Soil	0.8	20.1	8.0	64	0.1	15.8	10.9	377	3.09	4.9	0.7	3.8	3.6	21	<0.1	0.2	0.1	67	0.40
26400 88350	Soil	0.2	34.5	5.2	91	<0.1	5.9	10.6	336	2.56	2.2	0.5	<0.5	5.7	7	<0.1	<0.1	<0.1	37	0.52
26400 88400	Soil	0.6	35.3	9.8	63	<0.1	18.8	10.4	359	3.01	6.3	0.6	1.2	2.9	24	0.1	0.3	0.1	70	0.45
26400 88450	Soil	0.9	114.3	153.4	171	<0.1	3.0	4.3	255	3.87	3.6	0.6	0.6	2.5	9	0.3	<0.1	0.5	18	0.21
26400 88500	Soil	1.1	28.5	13.1	93	<0.1	12.2	9.4	526	3.21	3.6	1.0	2.3	5.5	17	<0.1	0.2	0.1	53	0.27
26400 88550	Soil	1.1	13.9	9.8	78	<0.1	12.3	8.0	552	3.27	4.6	0.9	1.2	7.6	16	<0.1	0.2	0.1	51	0.25
26300 88000	Soil	0.2	5.5	3.0	107	<0.1	4.8	17.3	467	3.27	1.4	0.5	1.3	2.0	17	<0.1	<0.1	<0.1	77	0.66
26300 88050	Soil	1.2	8.4	11.4	87	<0.1	12.4	12.9	293	4.40	4.8	0.4	<0.5	5.2	15	<0.1	0.3	0.1	69	0.25
26300 88100	Soil	1.3	38.3	12.4	70	<0.1	12.5	14.2	288	3.53	3.1	0.6	2.7	2.6	26	<0.1	0.2	<0.1	75	0.42



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
21100 89450	Soil	6	20	0.74	293	0.194	2	2.30	0.010	0.67	0.1	<0.01	2.6	0.3	<0.05	6	<0.5	<0.2
21100 89500	Soil	23	22	0.35	223	0.036	1	1.04	0.010	0.16	<0.1	0.01	2.8	0.3	<0.05	3	0.8	<0.2
21100 89550	Soil	13	22	0.73	217	0.140	<1	1.91	0.011	0.41	0.2	0.01	3.3	0.2	<0.05	6	<0.5	<0.2
21100 89600	Soil	17	37	0.58	231	0.071	<1	1.46	0.010	0.21	0.1	0.02	3.6	0.2	<0.05	4	0.7	<0.2
26100 88000	Soil	13	24	1.01	336	0.128	2	2.01	0.013	0.42	0.1	0.01	9.5	0.1	<0.05	7	<0.5	<0.2
26100 88050	Soil	22	28	1.29	485	0.184	1	2.49	0.013	0.80	0.1	0.03	14.5	0.2	<0.05	10	<0.5	<0.2
26100 88100	Soil	3	18	0.62	173	0.095	<1	1.41	0.009	0.29	<0.1	<0.01	1.4	0.1	<0.05	5	<0.5	<0.2
26100 88150	Soil	9	126	2.57	354	0.308	<1	3.37	0.025	1.16	<0.1	<0.01	9.2	0.5	<0.05	12	<0.5	<0.2
26100 88200	Soil	35	16	1.80	176	0.174	<1	2.28	0.014	0.13	<0.1	<0.01	9.2	0.1	<0.05	11	<0.5	<0.2
26100 88250	Soil	7	28	0.89	119	0.225	1	2.07	0.014	0.33	<0.1	<0.01	2.3	0.1	<0.05	7	<0.5	<0.2
26100 88300	Soil	1	18	1.64	428	0.399	<1	3.11	0.012	1.74	<0.1	<0.01	1.7	0.5	<0.05	8	<0.5	<0.2
26100 88350	Soil	4	26	1.15	168	0.184	1	2.71	0.035	0.18	<0.1	<0.01	4.6	<0.1	<0.05	8	<0.5	<0.2
26100 88400	Soil	29	15	2.13	685	0.458	<1	3.20	0.019	1.03	0.1	<0.01	12.8	0.3	<0.05	14	<0.5	<0.2
26100 88450	Soil	4	37	1.30	129	0.145	<1	2.25	0.056	0.14	<0.1	<0.01	7.6	<0.1	<0.05	9	<0.5	<0.2
26100 88500	Soil	4	90	1.96	320	0.278	<1	2.56	0.024	0.61	0.2	<0.01	4.7	0.4	<0.05	7	<0.5	<0.2
26100 88550	Soil	18	37	0.95	476	0.186	1	1.99	0.011	0.38	0.1	0.02	5.3	0.2	<0.05	8	<0.5	0.2
26400 88050	Soil	16	35	0.45	548	0.078	1	1.44	0.015	0.10	0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
26400 88100	Soil	14	23	1.53	275	0.129	8	2.11	0.018	0.48	<0.1	<0.01	4.8	0.3	<0.05	8	<0.5	<0.2
26400 88150	Soil	10	11	0.98	213	0.262	<1	2.19	0.011	0.77	0.1	<0.01	3.4	0.3	<0.05	8	<0.5	<0.2
26400 88200	Soil	4	52	1.86	373	0.411	<1	3.10	0.013	1.38	<0.1	<0.01	2.7	0.4	<0.05	8	<0.5	<0.2
26400 88250	Soil	6	27	0.93	193	0.140	<1	2.07	0.035	0.16	<0.1	<0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
26400 88300	Soil	16	29	0.89	291	0.143	<1	1.63	0.017	0.26	0.1	0.02	5.2	0.1	<0.05	7	<0.5	<0.2
26400 88350	Soil	10	9	1.13	120	0.128	<1	1.56	0.028	0.34	<0.1	<0.01	4.6	0.1	<0.05	8	<0.5	<0.2
26400 88400	Soil	14	29	0.79	237	0.119	1	1.72	0.023	0.08	<0.1	0.01	4.8	<0.1	<0.05	6	<0.5	<0.2
26400 88450	Soil	14	6	0.51	192	0.096	<1	1.09	0.010	0.18	<0.1	<0.01	7.0	<0.1	<0.05	7	0.9	<0.2
26400 88500	Soil	21	23	0.83	314	0.138	<1	1.66	0.010	0.38	0.2	0.01	5.4	0.2	<0.05	6	<0.5	<0.2
26400 88550	Soil	26	23	0.61	327	0.093	2	1.63	0.013	0.32	0.1	<0.01	4.2	0.2	<0.05	7	<0.5	<0.2
26300 88000	Soil	9	7	1.91	335	0.123	<1	2.02	0.013	0.57	<0.1	<0.01	12.8	0.2	<0.05	9	0.8	<0.2
26300 88050	Soil	11	17	0.59	253	0.054	2	1.63	0.006	0.38	<0.1	<0.01	2.9	0.1	<0.05	6	<0.5	<0.2
26300 88100	Soil	11	16	0.90	218	0.139	<1	1.89	0.020	0.12	<0.1	<0.01	4.5	<0.1	<0.05	6	<0.5	<0.2



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

WHI10000113.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
26300 88150	Soil	0.3	22.8	10.9	115	<0.1	10.9	13.8	477	3.00	2.8	0.3	<0.5	1.1	51	<0.1	0.1	<0.1	59	0.48	0.117
26300 88200	Soil	0.5	20.4	8.2	100	<0.1	5.6	3.1	397	2.38	2.3	1.0	0.6	7.7	10	<0.1	0.1	<0.1	18	0.18	0.019
26300 88250	Soil	2.2	45.3	3.8	92	<0.1	27.7	23.4	707	4.74	3.7	0.4	1.2	1.7	39	<0.1	0.1	<0.1	113	0.65	0.088
26300 88300	Soil	0.5	34.2	9.3	114	<0.1	7.9	19.5	506	4.62	2.6	0.4	0.6	1.0	16	<0.1	0.1	<0.1	172	0.58	0.153
26300 88350	Soil	0.4	14.3	4.3	79	<0.1	10.1	8.2	423	3.36	2.9	0.5	0.9	4.4	6	<0.1	0.2	<0.1	48	0.09	0.022
26300 88400	Soil	0.5	27.5	11.2	106	<0.1	7.8	11.0	482	3.53	2.2	0.4	0.6	3.7	8	<0.1	0.2	<0.1	55	0.27	0.095
26300 88500	Soil	0.7	57.9	20.5	218	<0.1	6.9	14.2	513	3.90	2.9	0.4	<0.5	1.7	16	0.2	0.1	<0.1	93	0.43	0.139
26300 88550	Soil	1.8	15.5	6.9	116	<0.1	7.1	10.9	659	4.48	2.9	0.9	<0.5	6.9	17	<0.1	0.1	0.3	49	0.50	0.173
26500 88050	Soil	0.5	22.9	6.7	110	<0.1	18.1	13.7	523	3.74	2.6	0.7	2.5	3.6	46	<0.1	0.1	<0.1	72	0.68	0.174
26500 88100	Soil	1.4	24.8	16.2	70	<0.1	19.1	12.0	371	3.26	5.1	0.5	3.5	3.1	27	<0.1	0.3	0.1	77	0.43	0.061
26500 88150	Soil	4.0	34.4	3.7	97	<0.1	11.9	21.3	469	4.62	2.3	0.4	<0.5	1.2	27	<0.1	<0.1	<0.1	100	0.44	0.115
26500 88200	Soil	0.9	29.5	9.7	62	<0.1	17.9	11.6	326	3.00	4.9	0.9	3.8	3.6	25	<0.1	0.2	0.1	80	0.38	0.067
26800 88000	Soil	1.0	37.5	8.0	67	<0.1	15.9	15.9	291	3.60	5.1	0.6	2.0	1.8	29	<0.1	0.2	<0.1	113	0.53	0.038
26800 88050	Soil	0.6	19.5	6.7	83	<0.1	12.8	12.8	367	3.59	3.8	0.4	1.2	3.1	11	<0.1	0.2	<0.1	76	0.15	0.030
26800 88100	Soil	1.2	26.7	8.3	83	<0.1	16.8	9.4	485	3.81	5.7	0.8	8.1	4.5	17	<0.1	0.3	<0.1	57	0.23	0.046
26800 88150	Soil	8.7	36.6	17.3	99	<0.1	21.0	16.3	671	4.63	5.0	0.5	60.6	2.5	21	0.2	1.4	<0.1	99	0.53	0.105
26800 88200	Soil	0.9	43.3	14.0	81	<0.1	16.6	11.0	429	3.60	5.5	0.3	0.7	2.3	14	<0.1	0.2	<0.1	80	0.42	0.076
26800 88250	Soil	1.2	34.5	10.5	108	<0.1	13.5	10.4	668	4.58	7.0	0.7	0.9	5.9	10	<0.1	0.3	<0.1	77	0.14	0.069
26800 88300	Soil	1.7	17.5	8.9	71	<0.1	15.7	13.2	613	3.53	5.5	0.8	2.9	5.0	29	<0.1	0.2	0.1	60	0.28	0.076
26800 88400	Soil	1.3	14.7	11.2	58	0.2	16.3	10.7	391	3.05	7.0	0.5	2.4	3.4	19	<0.1	0.4	0.1	72	0.23	0.047
26800 88450	Soil	1.3	12.3	9.5	56	0.1	14.6	9.0	302	2.62	6.6	0.5	4.4	3.3	21	<0.1	0.2	0.2	61	0.24	0.042
26800 88500	Soil	1.8	18.3	15.1	70	0.5	9.0	8.6	392	3.99	16.3	0.7	6.3	3.6	62	<0.1	0.3	0.2	31	0.44	0.090
26800 88550	Soil	0.9	20.0	12.0	68	0.5	15.3	10.4	297	3.23	5.1	1.0	3.3	2.2	45	<0.1	0.2	0.2	66	0.70	0.055
26200 88000	Soil	0.6	9.4	10.8	57	<0.1	8.2	6.9	223	1.75	2.4	0.4	20.5	2.4	15	<0.1	0.2	<0.1	28	0.24	0.056
26200 88050	Soil	0.8	14.4	14.9	38	<0.1	16.4	6.8	214	1.92	5.4	0.4	3.3	2.5	22	<0.1	0.4	0.1	51	0.28	0.021
26200 88100	Soil	1.0	14.7	14.0	41	<0.1	17.8	6.8	208	2.07	7.0	0.3	2.1	2.6	18	<0.1	0.5	0.1	49	0.18	0.020
26200 88150	Soil	0.5	18.0	8.3	85	<0.1	21.9	15.1	411	3.26	3.7	0.4	1.1	2.6	28	<0.1	0.2	<0.1	67	0.38	0.057
26200 88200	Soil	0.6	21.8	7.4	102	<0.1	37.7	18.9	724	4.43	3.9	0.4	<0.5	4.7	28	<0.1	0.2	<0.1	88	0.44	0.097
26200 88250	Soil	0.7	27.2	9.2	108	<0.1	15.1	12.4	378	3.70	2.7	0.2	1.0	1.1	27	<0.1	0.1	<0.1	84	0.34	0.066
26200 88300	Soil	0.3	43.9	3.7	81	<0.1	11.9	25.3	769	4.00	2.7	0.1	0.7	0.5	24	<0.1	0.1	<0.1	132	0.76	0.073



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Report Date: July 30, 2010

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26300 88150	Soil	3	24	1.45	168	0.176	<1	2.09	0.009	0.44	<0.1	<0.01	1.8	0.2	<0.05	7	<0.5	<0.2
26300 88200	Soil	12	8	0.78	91	0.173	<1	1.67	0.010	0.62	0.1	<0.01	2.4	0.4	<0.05	7	0.5	<0.2
26300 88250	Soil	7	43	2.27	436	0.329	<1	3.11	0.018	0.95	0.3	<0.01	3.7	0.5	<0.05	6	<0.5	<0.2
26300 88300	Soil	6	9	1.71	303	0.163	<1	2.55	0.022	0.48	<0.1	<0.01	8.5	0.1	<0.05	10	0.6	<0.2
26300 88350	Soil	13	14	0.90	152	0.106	<1	1.77	0.006	0.28	0.1	<0.01	6.1	0.1	<0.05	8	<0.5	0.3
26300 88400	Soil	10	14	1.27	148	0.151	<1	2.13	0.014	0.37	<0.1	<0.01	6.5	0.1	<0.05	9	0.6	<0.2
26300 88500	Soil	8	14	1.37	539	0.198	<1	1.96	0.017	0.58	<0.1	<0.01	6.3	0.2	<0.05	8	0.8	<0.2
26300 88550	Soil	26	11	0.82	416	0.140	<1	1.96	0.010	0.74	<0.1	<0.01	5.2	0.4	<0.05	8	0.8	<0.2
26500 88050	Soil	17	27	1.31	463	0.254	<1	2.11	0.017	0.73	0.2	<0.01	5.0	0.3	<0.05	8	0.6	<0.2
26500 88100	Soil	10	31	0.86	272	0.165	1	1.83	0.025	0.15	0.1	0.01	4.6	<0.1	<0.05	6	<0.5	<0.2
26500 88150	Soil	6	20	1.66	446	0.353	<1	2.84	0.015	1.19	0.2	<0.01	2.8	0.5	0.09	7	0.6	0.3
26500 88200	Soil	14	27	0.74	269	0.135	1	1.56	0.019	0.13	0.1	<0.01	5.3	<0.1	<0.05	6	0.6	0.3
26800 88000	Soil	6	24	0.93	222	0.209	<1	2.11	0.028	0.28	<0.1	<0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
26800 88050	Soil	8	21	1.40	225	0.178	1	2.14	0.008	0.66	0.2	<0.01	8.8	0.2	<0.05	8	<0.5	<0.2
26800 88100	Soil	16	28	0.76	291	0.104	2	1.70	0.010	0.42	<0.1	<0.01	8.2	0.2	<0.05	6	0.7	<0.2
26800 88150	Soil	10	37	0.98	228	0.067	2	1.96	0.022	0.19	0.1	0.04	9.8	<0.1	<0.05	7	0.6	0.3
26800 88200	Soil	6	25	0.91	179	0.128	2	1.94	0.035	0.13	<0.1	<0.01	6.3	<0.1	<0.05	7	1.0	<0.2
26800 88250	Soil	20	25	0.92	275	0.290	<1	2.41	0.009	0.93	<0.1	0.01	8.0	0.5	<0.05	9	0.7	<0.2
26800 88300	Soil	15	25	0.67	210	0.137	<1	1.69	0.027	0.31	0.1	0.02	4.0	0.2	0.09	6	0.6	<0.2
26800 88400	Soil	10	28	0.58	126	0.117	1	1.92	0.019	0.13	0.1	0.01	3.2	0.1	<0.05	6	0.6	<0.2
26800 88450	Soil	9	24	0.60	120	0.096	1	1.60	0.011	0.11	0.1	0.03	2.5	0.1	<0.05	6	<0.5	<0.2
26800 88500	Soil	12	11	0.57	140	0.103	<1	1.90	0.049	0.15	<0.1	0.02	1.5	0.2	0.15	4	<0.5	0.9
26800 88550	Soil	12	25	0.73	280	0.120	1	1.97	0.017	0.15	<0.1	0.03	3.1	0.2	<0.05	7	<0.5	<0.2
26200 88000	Soil	9	12	0.34	422	0.028	1	0.92	0.008	0.18	0.2	0.01	3.0	<0.1	<0.05	3	<0.5	0.3
26200 88050	Soil	7	26	0.43	439	0.056	<1	1.27	0.012	0.07	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
26200 88100	Soil	7	29	0.45	322	0.046	1	1.51	0.009	0.12	0.1	0.02	2.4	<0.1	<0.05	4	<0.5	0.3
26200 88150	Soil	10	31	1.34	228	0.169	<1	2.07	0.011	0.15	<0.1	0.03	5.4	0.1	<0.05	8	<0.5	<0.2
26200 88200	Soil	10	50	1.90	191	0.133	<1	2.64	0.007	0.27	<0.1	0.01	6.8	<0.1	<0.05	11	<0.5	<0.2
26200 88250	Soil	2	32	1.30	189	0.261	1	2.41	0.012	0.62	0.1	0.02	2.2	0.2	<0.05	7	<0.5	<0.2
26200 88300	Soil	2	16	1.94	196	0.196	<1	3.00	0.079	0.19	<0.1	0.02	9.7	<0.1	<0.05	9	<0.5	<0.2



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Project: Mariposa
Report Date: July 30, 2010

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QUALITY CONTROL REPORT

WHI10000113.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
21000 90300	Soil	0.5	149.1	7.1	76	<0.1	15.3	21.6	761	5.13	2.3	0.7	5.6	2.3	50	<0.1	0.2	<0.1	129	1.43	0.396
REP 21000 90300	QC	0.6	154.0	7.4	73	<0.1	16.1	21.6	757	5.15	2.5	0.7	3.8	2.4	51	<0.1	0.3	<0.1	135	1.43	0.414
28400 88200	Soil	1.2	16.5	9.5	67	0.2	14.3	10.7	322	2.94	6.3	0.7	11.6	2.4	29	0.1	0.2	0.2	61	0.37	0.064
REP 28400 88200	QC	1.3	17.0	9.8	72	0.2	14.5	11.1	317	2.98	6.6	0.8	2.0	2.7	29	0.1	0.2	0.2	61	0.36	0.064
28700 87700	Soil	1.2	27.4	9.1	74	0.1	11.8	12.3	416	3.45	4.7	0.8	2.8	2.5	19	0.1	0.2	0.1	78	0.27	0.068
REP 28700 87700	QC	1.2	28.7	9.0	79	0.1	12.0	11.9	433	3.42	5.0	0.7	2.2	2.4	18	0.1	0.2	0.1	77	0.28	0.067
20900 90350	Soil	0.6	28.8	9.0	90	<0.1	16.8	14.6	889	4.69	4.8	0.6	3.9	4.4	36	<0.1	0.3	0.1	98	0.60	0.158
REP 20900 90350	QC	0.6	26.5	8.3	86	<0.1	15.0	14.3	956	4.36	4.0	0.5	1.5	3.7	39	<0.1	0.3	<0.1	90	0.63	0.150
21300 90400	Soil	4.7	37.4	9.7	48	0.1	22.3	10.6	593	2.56	8.3	0.9	27.8	2.8	35	0.1	1.3	0.1	49	0.66	0.066
REP 21300 90400	QC	4.3	37.6	10.0	50	0.1	20.4	10.6	592	2.57	8.1	0.9	31.7	2.8	36	0.2	1.3	0.1	49	0.66	0.062
21300 91400	Soil	1.4	15.0	7.8	61	<0.1	15.2	9.6	441	2.86	6.1	0.7	44.7	3.8	31	<0.1	0.3	<0.1	64	0.52	0.069
REP 21300 91400	QC	1.3	15.3	8.0	64	<0.1	14.8	9.4	435	2.80	5.8	0.8	8.3	4.0	30	<0.1	0.3	<0.1	63	0.53	0.066
21400 90750	Soil	0.9	31.0	7.8	55	<0.1	23.4	12.6	357	3.04	7.8	0.7	5.2	4.5	28	<0.1	0.5	0.1	69	0.38	0.043
REP 21400 90750	QC	0.9	31.2	7.9	52	<0.1	22.5	12.3	348	3.07	7.6	0.6	5.7	4.5	30	<0.1	0.5	0.1	68	0.39	0.042
21400 88750	Soil	0.8	15.8	38.8	91	0.2	20.3	9.5	318	2.50	10.9	2.6	7.0	7.9	34	0.2	0.2	0.8	32	0.40	0.097
REP 21400 88750	QC	1.0	16.1	38.3	87	0.2	20.9	9.3	315	2.48	10.8	2.6	3.9	8.5	35	0.2	0.2	0.9	32	0.42	0.097
21100 90050	Soil	0.8	60.2	13.9	90	0.2	91.1	32.1	1554	5.91	1.8	0.5	7.4	2.4	21	0.2	0.2	0.2	141	0.50	0.081
REP 21100 90050	QC	0.7	62.9	13.0	93	0.1	93.5	33.5	1595	6.10	2.2	0.5	7.0	2.4	22	0.2	0.2	0.2	142	0.51	0.083
21100 91250	Soil	14.9	86.5	10.0	90	0.2	30.9	18.7	858	4.64	4.2	0.9	118.2	3.1	32	0.1	0.5	<0.1	92	0.78	0.139
REP 21100 91250	QC	15.1	85.4	9.9	90	0.2	30.5	18.3	848	4.59	4.2	1.0	137.6	3.1	33	0.2	0.6	<0.1	92	0.81	0.143
21500 90550	Soil	1.7	20.2	15.2	81	<0.1	19.1	16.3	510	4.23	6.2	0.4	0.7	3.5	24	<0.1	0.5	<0.1	89	0.41	0.083
REP 21500 90550	QC	1.5	20.4	14.6	76	<0.1	18.0	16.1	523	4.21	5.8	0.4	1.1	3.5	23	<0.1	0.5	<0.1	90	0.43	0.083
21200 88750	Soil	0.6	19.9	9.8	60	<0.1	16.0	8.8	353	2.74	9.7	2.4	2.2	11.4	30	<0.1	0.4	0.1	39	0.44	0.069
REP 21200 88750	QC	0.6	20.6	10.1	62	<0.1	15.6	9.0	359	2.79	10.1	2.4	2.6	11.4	31	<0.1	0.3	0.1	40	0.46	0.070
21200 89450	Soil	1.7	20.3	9.3	58	0.3	16.7	8.0	269	2.64	24.0	0.9	3.7	4.2	27	<0.1	0.5	0.1	52	0.31	0.047
REP 21200 89450	QC	1.9	20.9	9.2	55	0.3	16.2	8.0	272	2.64	24.2	0.9	3.7	4.3	27	<0.1	0.6	0.1	52	0.32	0.047
21200 91000	Soil	0.6	8.5	5.8	81	<0.1	10.0	10.2	611	3.31	3.0	0.6	2.4	4.7	25	<0.1	0.2	<0.1	65	0.65	0.133
REP 21200 91000	QC	0.5	8.0	5.7	77	<0.1	9.6	9.4	596	3.22	3.2	0.6	1.8	4.6	27	<0.1	0.2	<0.1	62	0.63	0.132



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Project: Mariposa
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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
21000 90300	Soil	12	22	1.42	454	0.124	2	2.62	0.044	0.23	<0.1	0.01	13.4	<0.1	<0.05	9	0.5	<0.2
REP 21000 90300	QC	11	23	1.49	461	0.126	1	2.63	0.048	0.23	<0.1	0.02	13.6	<0.1	<0.05	9	<0.5	<0.2
28400 88200	Soil	10	27	0.59	152	0.106	<1	1.84	0.021	0.09	0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
REP 28400 88200	QC	11	26	0.60	150	0.107	1	1.90	0.021	0.10	0.1	0.03	2.9	0.1	<0.05	6	<0.5	<0.2
28700 87700	Soil	10	22	0.92	231	0.152	<1	1.97	0.018	0.26	0.1	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
REP 28700 87700	QC	11	22	0.94	230	0.157	1	2.03	0.016	0.27	0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
20900 90350	Soil	13	24	1.16	366	0.128	2	2.92	0.011	0.72	<0.1	0.01	8.5	0.2	<0.05	10	<0.5	<0.2
REP 20900 90350	QC	12	23	1.18	403	0.130	2	2.63	0.013	0.72	<0.1	0.01	7.3	0.1	<0.05	9	<0.5	<0.2
21300 90400	Soil	13	22	0.50	642	0.050	2	1.19	0.022	0.08	0.1	0.08	5.3	<0.1	<0.05	4	<0.5	<0.2
REP 21300 90400	QC	14	21	0.50	643	0.050	2	1.19	0.022	0.08	0.1	0.08	5.5	<0.1	<0.05	4	<0.5	<0.2
21300 91400	Soil	14	28	0.62	385	0.082	2	1.65	0.021	0.08	0.1	0.03	4.6	<0.1	<0.05	6	<0.5	<0.2
REP 21300 91400	QC	14	28	0.62	388	0.082	2	1.60	0.018	0.07	0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
21400 90750	Soil	14	36	0.64	289	0.089	1	1.94	0.025	0.07	0.1	0.05	5.3	<0.1	<0.05	6	<0.5	<0.2
REP 21400 90750	QC	14	34	0.64	285	0.091	2	1.90	0.019	0.08	0.1	0.05	4.9	<0.1	<0.05	6	<0.5	<0.2
21400 88750	Soil	28	32	0.56	295	0.063	<1	1.37	0.011	0.13	<0.1	0.03	2.9	0.1	<0.05	4	0.7	0.5
REP 21400 88750	QC	29	33	0.57	305	0.065	1	1.37	0.011	0.13	<0.1	0.02	3.1	0.1	<0.05	4	0.9	0.4
21100 90050	Soil	20	221	3.60	260	0.014	<1	3.70	0.010	0.08	<0.1	0.02	15.6	<0.1	<0.05	12	<0.5	<0.2
REP 21100 90050	QC	20	220	3.74	253	0.015	1	3.78	0.008	0.08	<0.1	0.02	16.2	<0.1	<0.05	12	<0.5	<0.2
21100 91250	Soil	13	48	0.84	626	0.080	2	1.66	0.018	0.14	0.2	0.06	11.3	<0.1	<0.05	6	1.0	<0.2
REP 21100 91250	QC	14	48	0.86	680	0.082	1	1.76	0.018	0.16	0.2	0.06	11.6	<0.1	<0.05	6	0.8	<0.2
21500 90550	Soil	10	40	0.67	410	0.059	2	2.28	0.015	0.28	<0.1	0.01	7.3	0.1	<0.05	8	<0.5	<0.2
REP 21500 90550	QC	10	37	0.61	404	0.059	2	2.22	0.014	0.27	<0.1	<0.01	6.9	<0.1	<0.05	7	<0.5	<0.2
21200 88750	Soil	26	24	0.65	219	0.096	<1	1.50	0.013	0.25	<0.1	0.02	3.3	0.2	<0.05	4	<0.5	<0.2
REP 21200 88750	QC	27	24	0.67	232	0.102	<1	1.54	0.014	0.27	<0.1	0.02	3.3	0.2	<0.05	4	<0.5	<0.2
21200 89450	Soil	13	20	0.62	252	0.099	<1	1.60	0.013	0.19	0.1	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
REP 21200 89450	QC	13	20	0.63	251	0.100	<1	1.61	0.013	0.19	0.1	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
21200 91000	Soil	14	16	0.83	372	0.073	2	1.60	0.021	0.21	<0.1	<0.01	4.4	<0.1	<0.05	7	<0.5	<0.2
REP 21200 91000	QC	14	15	0.83	360	0.071	<1	1.60	0.023	0.20	<0.1	<0.01	4.2	<0.1	<0.05	7	0.8	<0.2



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
20700 88850	Soil	1.4	19.5	21.4	59	<0.1	15.6	9.1	223	3.38	13.2	1.4	2.0	7.1	28	<0.1	0.4	0.2	45	0.17
REP 20700 88850	QC	1.3	19.3	20.3	58	<0.1	15.5	8.8	225	3.39	12.6	1.5	1.8	7.3	28	<0.1	0.4	0.2	43	0.18
21100 88300	Soil	0.8	27.8	9.6	97	<0.1	30.9	20.6	643	4.73	3.0	0.5	1.1	3.3	44	0.1	0.2	<0.1	66	0.58
REP 21100 88300	QC	1.1	25.5	9.9	98	<0.1	30.7	19.3	645	4.47	3.2	0.5	1.5	3.1	43	0.1	0.1	<0.1	63	0.57
21100 89050	Soil	2.1	49.1	82.9	198	0.6	8.9	5.0	289	2.99	10.7	2.8	6.9	10.6	28	0.2	0.6	2.3	30	0.15
REP 21100 89050	QC	2.1	48.9	82.4	197	0.6	9.2	5.2	292	3.14	10.8	2.7	8.1	10.6	29	0.3	0.7	2.2	31	0.15
26100 88250	Soil	0.9	27.6	7.6	81	<0.1	13.9	10.5	402	3.21	4.3	0.6	<0.5	4.6	21	<0.1	0.2	<0.1	54	0.30
REP 26100 88250	QC	0.8	25.2	7.6	75	<0.1	12.6	9.5	390	3.10	3.9	0.7	<0.5	4.6	21	<0.1	0.2	<0.1	52	0.27
26500 88050	Soil	0.5	22.9	6.7	110	<0.1	18.1	13.7	523	3.74	2.6	0.7	2.5	3.6	46	<0.1	0.1	<0.1	72	0.68
REP 26500 88050	QC	0.5	22.2	6.6	110	<0.1	18.0	14.4	526	3.82	2.3	0.7	2.2	3.6	44	<0.1	0.2	<0.1	74	0.68
26200 88050	Soil	0.8	14.4	14.9	38	<0.1	16.4	6.8	214	1.92	5.4	0.4	3.3	2.5	22	<0.1	0.4	0.1	51	0.28
REP 26200 88050	QC	0.9	14.0	14.0	37	<0.1	17.8	6.9	220	1.93	5.3	0.4	2.1	2.5	22	<0.1	0.4	0.1	51	0.29
Reference Materials																				
STD DS7	Standard	20.2	110.5	74.6	397	0.9	58.5	9.7	617	2.39	55.1	5.1	60.2	4.8	74	6.7	6.4	5.1	84	0.92
STD DS7	Standard	21.4	109.8	71.9	406	0.9	56.9	9.9	659	2.55	56.9	5.2	76.4	5.0	83	6.9	6.5	5.2	89	1.04
STD DS7	Standard	19.9	104.2	61.4	380	0.9	54.3	9.0	620	2.38	47.2	4.1	70.3	3.9	71	6.0	5.5	4.4	81	0.91
STD DS7	Standard	20.8	110.6	70.4	410	0.9	55.7	9.5	627	2.47	54.2	4.7	67.7	4.4	72	6.5	6.0	4.9	86	0.92
STD DS7	Standard	21.5	116.1	71.4	427	1.0	59.4	10.4	659	2.54	59.8	5.2	74.0	5.0	81	7.4	6.3	5.2	89	1.01
STD DS7	Standard	22.1	114.9	70.9	401	1.0	58.5	9.9	666	2.48	54.9	4.9	79.7	4.7	81	6.7	6.7	4.9	90	1.00
STD DS7	Standard	20.2	109.0	70.3	399	1.0	54.5	9.1	627	2.36	52.0	5.0	76.7	4.7	74	6.2	6.2	4.8	86	0.93
STD DS7	Standard	19.6	103.0	70.8	373	0.9	49.6	8.8	602	2.25	48.3	4.8	65.1	4.7	76	5.8	6.1	4.8	89	0.91
STD DS7	Standard	20.1	112.4	64.5	386	0.9	53.2	9.3	608	2.35	50.1	4.6	65.8	4.6	72	6.2	5.8	4.5	82	0.93
STD DS7	Standard	22.1	112.8	71.0	411	1.0	58.5	9.9	622	2.39	54.2	5.1	67.7	5.0	78	6.8	6.2	5.2	89	0.96
STD DS7	Standard	22.3	111.2	69.2	406	1.0	58.0	9.3	648	2.43	53.7	4.8	71.0	5.0	83	6.6	6.1	4.9	89	0.98
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
20700 88850	Soil	14	26	0.49	228	0.077	<1	2.06	0.013	0.08	0.1	<0.01	2.1	<0.1	<0.05	5	0.6	0.3
REP 20700 88850	QC	14	27	0.49	228	0.080	<1	2.03	0.017	0.08	<0.1	0.01	2.1	0.1	<0.05	5	0.6	0.5
21100 88300	Soil	12	65	1.60	267	0.204	1	2.55	0.011	0.54	<0.1	<0.01	2.1	0.2	<0.05	7	<0.5	<0.2
REP 21100 88300	QC	11	63	1.57	262	0.193	<1	2.46	0.010	0.53	<0.1	<0.01	2.0	0.2	<0.05	7	<0.5	<0.2
21100 89050	Soil	24	17	0.54	167	0.105	<1	1.65	0.019	0.25	<0.1	0.02	1.7	0.3	0.13	4	6.0	1.0
REP 21100 89050	QC	24	17	0.53	172	0.108	<1	1.72	0.019	0.26	<0.1	0.02	1.7	0.4	0.09	4	5.5	0.9
26100 88250	Soil	7	28	0.89	119	0.225	1	2.07	0.014	0.33	<0.1	<0.01	2.3	0.1	<0.05	7	<0.5	<0.2
REP 26100 88250	QC	6	27	0.89	119	0.213	<1	1.98	0.013	0.32	<0.1	<0.01	2.4	0.2	<0.05	7	<0.5	<0.2
26500 88050	Soil	17	27	1.31	463	0.254	<1	2.11	0.017	0.73	0.2	<0.01	5.0	0.3	<0.05	8	0.6	<0.2
REP 26500 88050	QC	17	26	1.31	478	0.228	1	2.14	0.016	0.72	0.1	<0.01	5.1	0.3	<0.05	8	0.5	<0.2
26200 88050	Soil	7	26	0.43	439	0.056	<1	1.27	0.012	0.07	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
REP 26200 88050	QC	8	27	0.43	430	0.059	<1	1.33	0.015	0.08	0.1	0.02	2.4	<0.1	<0.05	4	<0.5	0.3
Reference Materials																		
STD DS7	Standard	13	189	1.06	412	0.125	41	1.03	0.102	0.48	3.9	0.22	2.4	4.2	0.23	4	3.6	0.6
STD DS7	Standard	14	194	1.11	427	0.136	43	1.15	0.115	0.50	3.8	0.21	2.8	4.1	0.22	5	3.2	1.3
STD DS7	Standard	11	192	1.04	367	0.108	44	0.97	0.095	0.47	3.3	0.20	2.2	3.7	0.24	5	3.1	1.0
STD DS7	Standard	13	195	1.04	416	0.122	39	1.02	0.096	0.46	3.8	0.20	2.5	4.0	0.20	5	3.0	1.2
STD DS7	Standard	13	197	1.09	429	0.134	43	1.09	0.108	0.51	3.8	0.23	2.6	4.2	0.19	5	3.5	1.4
STD DS7	Standard	14	199	1.03	417	0.139	41	1.05	0.104	0.49	3.7	0.21	2.4	3.9	0.17	5	2.9	1.2
STD DS7	Standard	13	193	1.08	405	0.129	39	1.04	0.098	0.48	3.8	0.22	2.5	4.0	0.21	5	4.3	1.3
STD DS7	Standard	12	188	0.98	401	0.122	33	0.97	0.089	0.45	3.7	0.22	2.3	3.8	0.17	4	3.2	1.5
STD DS7	Standard	13	188	1.02	392	0.120	39	1.01	0.096	0.45	3.6	0.22	2.5	4.0	0.19	5	3.1	1.1
STD DS7	Standard	14	196	1.11	411	0.127	40	1.12	0.107	0.47	3.5	0.20	2.5	4.2	0.21	5	3.8	1.5
STD DS7	Standard	14	204	1.08	431	0.145	39	1.06	0.104	0.51	3.6	0.22	2.8	4.3	0.19	5	3.6	1.2
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa
Report Date: July 30, 2010

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QUALITY CONTROL REPORT

WHI10000113.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: July 19, 2010

Report Date: August 01, 2010

Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI10000129.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-5
P.O. Number
Number of Samples: 123

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
TRTN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
Michael Renning
John Brock

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	123	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	123	Dry at 60C			WHI
RJSV	123	Saving all or part of Soil Reject			WHI
1DX2	123	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Vancouver BC V6E 3T5 Canada

Project: Mariposa
Report Date: August 01, 2010

Page: 2 of 6 Part 1

CERTIFICATE OF ANALYSIS

WHI10000129.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
26200 88350	Soil	0.7	32.7	6.0	65	<0.1	16.9	15.0	349	3.20	5.9	0.5	0.5	2.4	21	<0.1	0.3	<0.1	78	0.39	0.058
26200 88400	Soil	0.4	13.6	4.1	92	<0.1	13.6	11.6	653	4.04	3.8	0.4	1.4	5.3	11	<0.1	0.2	<0.1	70	0.21	0.043
26200 88450	Soil	1.3	40.7	10.8	77	0.1	18.7	9.9	506	3.68	6.3	0.4	7.1	2.7	16	0.2	0.4	0.2	68	0.25	0.044
26200 88500	Soil	1.7	39.5	13.8	137	<0.1	12.2	9.7	749	3.69	3.7	0.5	7.3	2.6	17	0.1	0.2	<0.1	62	0.28	0.064
26200 88550	Soil	0.6	8.4	1.6	98	<0.1	4.0	10.8	843	4.22	1.9	0.7	0.7	5.2	17	<0.1	0.1	0.2	65	0.43	0.187
26600 88000	Soil	0.7	21.3	5.2	105	<0.1	23.2	17.7	879	4.28	2.2	0.5	9.2	3.1	28	<0.1	0.3	<0.1	65	0.62	0.162
26600 88050	Soil	0.6	39.4	5.9	91	<0.1	22.2	17.2	677	4.66	3.6	0.5	10.9	2.3	19	<0.1	0.3	<0.1	103	0.49	0.091
26600 88100	Soil	0.5	34.2	5.6	70	<0.1	11.0	17.0	443	4.22	2.8	0.2	1.3	1.0	20	<0.1	0.2	<0.1	126	0.32	0.021
26600 88150	Soil	1.4	24.3	5.4	94	<0.1	19.7	18.3	324	3.84	8.3	0.5	1.2	2.0	14	<0.1	0.2	<0.1	98	0.43	0.143
26600 88200	Soil	0.7	26.6	6.8	67	<0.1	22.5	11.2	415	3.02	4.7	0.6	3.0	4.3	30	0.1	0.2	0.1	61	0.41	0.101
26600 88250	Soil	0.7	31.5	25.0	108	<0.1	14.2	10.0	539	3.59	3.5	0.5	4.0	2.9	19	<0.1	0.2	<0.1	52	0.46	0.116
26600 88300	Soil	0.8	25.2	5.0	59	<0.1	14.7	10.7	354	2.66	3.5	0.5	2.2	2.5	21	0.1	0.2	<0.1	57	0.49	0.120
26600 88350	Soil	1.3	22.2	6.2	69	<0.1	15.3	11.0	381	3.38	6.0	0.6	4.2	3.6	22	<0.1	0.3	0.2	65	0.28	0.054
26600 88400	Soil	1.6	16.3	5.3	71	<0.1	12.6	9.1	391	3.43	5.8	0.7	15.3	4.5	20	<0.1	0.2	0.1	59	0.23	0.060
26600 88450	Soil	1.3	15.9	7.7	74	0.1	15.0	11.6	561	3.14	5.7	1.6	1.9	5.2	26	0.1	0.2	0.1	60	0.49	0.054
26600 88550	Soil	1.1	14.6	6.4	74	0.1	13.8	13.1	703	3.00	4.1	0.7	2.1	3.6	25	<0.1	0.2	0.1	65	0.41	0.060
26900 88000	Soil	0.6	27.5	3.2	87	<0.1	13.0	13.6	552	3.82	3.7	0.7	3.2	4.1	19	<0.1	0.2	<0.1	71	0.46	0.090
26900 88050	Soil	0.5	18.1	2.4	83	<0.1	13.4	14.0	735	4.11	3.6	0.6	0.8	3.7	13	<0.1	0.2	<0.1	81	0.26	0.058
26900 88100	Soil	0.4	47.3	8.3	69	<0.1	20.4	14.4	366	3.42	5.2	0.3	1.0	2.3	12	<0.1	0.2	<0.1	101	0.32	0.032
26900 88150	Soil	0.5	50.8	5.4	52	<0.1	24.3	12.5	303	2.56	3.2	0.2	1.2	1.2	21	0.1	0.2	<0.1	62	0.59	0.071
26900 88200	Soil	1.5	93.9	7.9	80	<0.1	21.8	11.9	392	3.33	7.0	0.8	11.5	4.6	15	<0.1	0.4	0.1	83	0.36	0.022
26900 88250	Soil	1.6	15.2	8.8	86	<0.1	11.5	11.3	838	3.63	4.2	0.7	1.8	4.5	17	0.2	0.3	0.1	53	0.24	0.081
26900 88300	Soil	1.1	22.1	7.0	72	<0.1	21.3	12.2	504	3.81	8.0	0.8	1.8	4.7	16	<0.1	0.5	0.1	85	0.21	0.026
26900 88350	Soil	0.7	19.6	4.0	89	<0.1	9.3	16.8	714	4.56	2.2	0.2	<0.5	1.2	14	<0.1	<0.1	<0.1	117	0.35	0.092
26900 88400	Soil	1.1	20.5	6.8	87	0.1	19.9	13.4	486	3.96	4.6	0.4	1.5	2.7	41	<0.1	0.2	0.1	87	0.27	0.039
26900 88450	Soil	1.2	27.6	10.1	85	0.1	15.7	15.0	516	4.20	5.1	0.3	5.7	2.1	27	<0.1	0.3	<0.1	74	0.35	0.070
26900 88500	Soil	0.8	21.2	8.3	60	0.2	16.5	10.5	267	3.03	7.0	0.7	6.2	3.2	30	<0.1	0.3	0.1	73	0.39	0.050
26900 88550	Soil	0.7	20.9	8.4	71	<0.1	16.6	12.5	276	3.22	5.9	0.7	5.5	3.9	36	<0.1	0.3	<0.1	69	0.26	0.039
26700 88000	Soil	0.3	23.8	3.4	96	<0.1	15.8	16.3	484	4.21	2.7	0.6	3.0	2.8	20	<0.1	0.2	<0.1	93	0.51	0.112
26700 88050	Soil	0.3	41.6	5.0	85	<0.1	12.6	20.5	713	5.19	2.3	0.4	0.7	1.4	20	<0.1	0.2	<0.1	134	0.49	0.093



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Project: Mariposa
Report Date: August 01, 2010

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CERTIFICATE OF ANALYSIS

WHI10000129.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26200 88350	Soil	12	28	0.89	222	0.134	1	1.84	0.024	0.15	0.1	0.02	5.9	<0.1	<0.05	6	<0.5	<0.2
26200 88400	Soil	11	23	1.16	251	0.242	1	2.20	0.014	0.68	<0.1	<0.01	8.1	0.3	<0.05	9	<0.5	<0.2
26200 88450	Soil	11	32	0.79	246	0.064	2	2.09	0.012	0.06	0.1	0.02	6.9	<0.1	<0.05	8	<0.5	<0.2
26200 88500	Soil	10	26	1.13	460	0.178	1	1.90	0.015	0.60	<0.1	0.01	7.0	0.2	<0.05	8	<0.5	<0.2
26200 88550	Soil	19	9	1.11	410	0.193	1	1.90	0.013	0.73	<0.1	<0.01	10.7	0.2	<0.05	9	<0.5	<0.2
26600 88000	Soil	13	39	1.42	526	0.077	<1	2.25	0.014	0.19	0.1	0.01	6.0	0.1	<0.05	10	<0.5	<0.2
26600 88050	Soil	12	41	1.42	530	0.088	1	2.38	0.017	0.15	0.1	0.01	10.2	0.1	<0.05	8	<0.5	<0.2
26600 88100	Soil	3	19	1.49	161	0.224	<1	2.77	0.028	0.15	<0.1	<0.01	5.5	0.1	<0.05	8	<0.5	<0.2
26600 88150	Soil	10	34	1.27	237	0.105	<1	2.16	0.009	0.35	<0.1	<0.01	6.6	0.2	<0.05	8	<0.5	0.3
26600 88200	Soil	16	34	0.82	327	0.165	1	1.67	0.022	0.20	0.2	0.01	4.7	0.2	<0.05	6	<0.5	<0.2
26600 88250	Soil	12	22	0.84	311	0.187	<1	1.72	0.019	0.39	0.1	0.01	8.3	0.2	<0.05	8	<0.5	<0.2
26600 88300	Soil	9	24	0.69	216	0.131	<1	1.40	0.021	0.17	0.1	<0.01	3.8	0.1	<0.05	5	<0.5	<0.2
26600 88350	Soil	12	28	0.75	270	0.162	<1	1.84	0.016	0.25	0.2	0.01	4.9	0.2	<0.05	7	<0.5	<0.2
26600 88400	Soil	17	24	0.65	160	0.176	<1	1.70	0.021	0.34	0.1	0.01	4.8	0.4	0.09	6	<0.5	<0.2
26600 88450	Soil	19	26	0.67	254	0.107	<1	1.81	0.021	0.15	0.2	0.02	4.1	0.2	<0.05	7	<0.5	<0.2
26600 88550	Soil	14	24	0.70	153	0.126	<1	1.58	0.014	0.16	0.1	0.02	3.9	0.2	<0.05	6	<0.5	<0.2
26900 88000	Soil	12	20	1.31	320	0.141	<1	1.94	0.014	0.45	<0.1	<0.01	11.0	0.2	<0.05	9	<0.5	<0.2
26900 88050	Soil	11	22	1.51	265	0.230	<1	2.39	0.010	0.72	0.3	0.01	11.1	0.3	<0.05	10	<0.5	<0.2
26900 88100	Soil	5	29	1.18	133	0.219	<1	2.04	0.028	0.33	<0.1	0.01	5.3	0.1	<0.05	8	<0.5	<0.2
26900 88150	Soil	5	49	0.85	201	0.117	<1	1.76	0.037	0.11	<0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
26900 88200	Soil	27	42	0.95	172	0.182	<1	1.93	0.054	0.18	<0.1	0.02	8.2	<0.1	<0.05	7	<0.5	<0.2
26900 88250	Soil	9	23	0.64	296	0.094	<1	1.75	0.012	0.42	<0.1	0.01	3.5	0.3	<0.05	7	<0.5	<0.2
26900 88300	Soil	13	45	0.92	186	0.148	2	2.24	0.018	0.23	0.1	0.01	6.2	0.2	<0.05	7	<0.5	<0.2
26900 88350	Soil	3	14	1.51	217	0.350	<1	2.81	0.013	0.73	0.2	<0.01	2.5	0.3	<0.05	8	<0.5	<0.2
26900 88400	Soil	13	48	1.59	228	0.231	<1	2.91	0.023	0.57	<0.1	0.02	5.2	0.5	0.09	8	<0.5	<0.2
26900 88450	Soil	6	30	1.28	183	0.244	<1	2.90	0.015	0.29	0.2	0.01	2.1	0.4	<0.05	6	<0.5	0.5
26900 88500	Soil	12	28	0.70	203	0.134	<1	2.04	0.019	0.09	0.1	0.03	4.2	0.1	<0.05	7	<0.5	<0.2
26900 88550	Soil	13	30	0.89	230	0.128	<1	2.33	0.016	0.14	<0.1	0.01	4.1	0.2	<0.05	7	<0.5	<0.2
26700 88000	Soil	13	28	1.52	391	0.124	<1	2.19	0.019	0.34	<0.1	0.01	10.0	0.2	<0.05	9	<0.5	<0.2
26700 88050	Soil	7	24	1.46	409	0.143	<1	2.57	0.024	0.15	<0.1	<0.01	9.5	<0.1	<0.05	9	<0.5	<0.2



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Project: Mariposa
Report Date: August 01, 2010

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CERTIFICATE OF ANALYSIS

WHI10000129.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
26700 88100	Soil	0.4	25.3	3.3	95	<0.1	14.6	15.3	401	4.05	2.8	0.4	2.7	3.9	15	<0.1	0.2	<0.1	73	0.29	0.052
26700 88150	Soil	0.4	12.7	4.0	91	<0.1	7.7	8.5	549	3.80	2.3	0.4	0.7	4.7	5	<0.1	0.1	<0.1	47	0.09	0.040
26700 88200	Soil	0.3	9.2	4.4	126	<0.1	3.2	11.9	559	3.65	2.0	0.7	0.5	3.5	12	<0.1	<0.1	<0.1	42	0.89	0.317
26700 88250	Soil	1.3	32.4	5.6	81	<0.1	12.8	11.4	451	3.42	4.4	0.6	3.0	3.6	17	<0.1	0.2	0.1	68	0.26	0.066
26700 88300	Soil	1.8	30.9	5.8	64	0.1	13.0	9.0	345	2.79	5.2	0.8	2.3	4.1	21	<0.1	0.2	0.1	57	0.35	0.057
26700 88400	Soil	1.2	15.4	6.8	66	<0.1	14.8	10.6	438	3.13	6.1	0.6	1.6	4.1	21	<0.1	0.3	0.1	67	0.33	0.049
26700 88350	Soil	1.0	17.7	5.2	69	<0.1	23.2	12.1	386	3.26	6.5	0.8	1.2	5.9	40	<0.1	0.2	0.2	52	0.34	0.096
26700 88450	Soil	1.5	13.5	9.4	63	0.2	15.2	9.9	450	2.90	5.1	0.7	2.1	3.3	18	0.1	0.2	0.2	59	0.23	0.050
26700 88550	Soil	1.2	19.4	8.1	72	0.6	9.5	7.7	303	3.00	3.5	1.0	4.1	2.6	67	0.1	0.1	<0.1	41	0.68	0.076
27000 88000	Soil	1.0	24.4	5.3	78	<0.1	15.8	10.8	634	3.72	5.0	0.9	4.2	5.4	17	<0.1	0.3	0.1	68	0.26	0.048
27000 88050	Soil	1.1	31.4	4.9	69	<0.1	18.8	9.1	444	3.37	5.4	0.7	3.4	5.5	16	<0.1	0.3	0.1	55	0.27	0.047
27000 88100	Soil	0.4	69.0	6.9	82	<0.1	11.9	10.5	220	2.76	4.5	0.6	2.1	3.5	16	0.1	0.2	<0.1	63	0.47	0.122
27000 88150	Soil	1.6	22.1	5.5	78	<0.1	12.0	7.1	362	3.31	3.4	1.0	31.2	6.6	13	<0.1	0.3	0.1	45	0.15	0.025
27000 88200	Soil	2.7	18.9	8.4	90	0.1	14.2	10.6	528	4.09	3.6	0.9	24.3	6.1	14	<0.1	0.2	0.2	59	0.18	0.054
27000 88250	Soil	0.9	13.7	4.7	88	<0.1	5.8	8.6	630	3.96	2.5	0.7	0.9	4.5	19	<0.1	0.1	<0.1	56	0.42	0.118
27000 88300	Soil	0.8	14.8	5.4	96	0.1	14.0	10.1	575	4.11	5.8	0.7	0.5	7.1	19	<0.1	0.2	<0.1	69	0.27	0.061
27000 88350	Soil	0.9	54.0	4.8	80	0.2	24.4	13.1	131	5.23	1.3	0.4	2.9	2.3	20	<0.1	0.1	<0.1	114	0.12	0.046
27000 88400	Soil	0.4	10.2	5.8	92	0.1	10.2	8.4	443	3.26	4.7	0.4	1.5	1.5	18	<0.1	0.1	<0.1	48	0.27	0.097
27000 88450	Soil	0.3	12.3	9.3	94	<0.1	9.3	11.1	461	3.04	1.9	0.4	2.2	2.1	37	<0.1	0.1	<0.1	62	0.52	0.106
27000 88500	Soil	1.4	16.9	9.4	99	0.2	5.9	12.0	593	4.26	5.6	0.6	1.7	3.2	22	<0.1	0.2	<0.1	72	0.16	0.064
27000 88550	Soil	0.3	31.7	5.4	88	0.2	5.8	15.5	284	5.10	1.9	0.8	7.4	2.5	62	<0.1	0.1	<0.1	97	0.43	0.095
22400 87950	Soil	1.1	22.4	19.9	57	<0.1	10.6	9.2	376	2.62	5.1	2.4	1.0	32.9	20	<0.1	0.3	0.2	29	0.29	0.031
22400 88050	Soil	0.2	65.1	2.3	62	0.3	12.7	19.0	285	3.18	4.5	0.3	6.5	0.9	91	<0.1	0.3	<0.1	83	5.95	0.097
22400 88100	Soil	0.5	63.3	6.2	60	0.1	20.0	15.8	436	2.75	7.9	0.5	4.1	2.9	53	0.1	0.4	0.1	66	2.71	0.141
22400 88250	Soil	1.1	9.8	18.3	228	<0.1	6.8	6.1	516	3.12	13.2	0.9	0.6	6.2	14	0.1	0.2	0.1	24	0.27	0.067
22400 88300	Soil	1.3	14.2	15.5	90	0.1	13.1	7.2	235	2.63	8.7	1.7	1.0	8.9	38	0.2	0.3	0.2	45	0.24	0.038
22400 88350	Soil	1.4	93.5	78.8	354	0.2	6.6	8.6	349	3.93	25.4	6.8	2.2	22.9	89	0.3	0.2	0.7	11	0.11	0.078
22400 88400	Soil	9.9	10.0	690.9	227	0.8	3.5	3.0	84	5.90	76.9	5.0	9.1	27.6	125	0.2	0.3	17.1	11	0.07	0.078
22400 88500	Soil	1.9	13.2	161.4	55	0.6	5.4	2.2	86	3.62	43.1	2.3	2.2	17.2	52	<0.1	0.2	11.2	22	0.08	0.041
22400 88550	Soil	2.0	21.5	57.5	117	0.4	6.4	4.0	176	3.25	29.8	3.1	3.6	11.0	51	0.3	0.3	4.1	26	0.22	0.046



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26700 88100	Soil	15	20	1.25	264	0.088	<1	2.06	0.012	0.14	<0.1	<0.01	10.2	<0.1	<0.05	9	<0.5	<0.2
26700 88150	Soil	13	14	0.94	201	0.144	<1	1.93	0.007	0.55	<0.1	<0.01	6.4	0.2	<0.05	10	<0.5	<0.2
26700 88200	Soil	17	4	1.52	207	0.133	<1	1.93	0.019	0.35	<0.1	<0.01	8.0	0.1	<0.05	10	<0.5	<0.2
26700 88250	Soil	12	23	0.79	259	0.180	<1	1.85	0.017	0.37	0.1	<0.01	5.4	0.3	<0.05	8	<0.5	<0.2
26700 88300	Soil	15	24	0.70	245	0.143	<1	1.54	0.015	0.19	0.1	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
26700 88400	Soil	15	27	0.64	225	0.131	<1	1.83	0.014	0.18	0.1	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
26700 88350	Soil	19	33	0.79	342	0.169	1	1.62	0.016	0.34	0.1	<0.01	5.0	0.3	<0.05	6	<0.5	<0.2
26700 88450	Soil	15	27	0.56	239	0.077	2	1.60	0.012	0.11	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
26700 88550	Soil	11	13	0.67	205	0.122	1	1.81	0.042	0.23	<0.1	0.02	2.2	0.3	0.09	5	<0.5	<0.2
27000 88000	Soil	16	26	0.99	332	0.157	1	1.88	0.012	0.53	0.2	0.02	8.0	0.2	<0.05	8	<0.5	<0.2
27000 88050	Soil	12	25	0.86	197	0.182	<1	1.95	0.012	0.38	0.2	0.01	5.3	0.3	<0.05	7	<0.5	<0.2
27000 88100	Soil	10	22	1.07	180	0.130	1	1.78	0.023	0.20	<0.1	<0.01	4.4	<0.1	<0.05	7	<0.5	<0.2
27000 88150	Soil	18	19	0.51	275	0.100	1	1.36	0.011	0.33	<0.1	0.01	4.7	0.2	<0.05	5	<0.5	<0.2
27000 88200	Soil	17	25	0.65	270	0.088	<1	1.67	0.011	0.37	<0.1	<0.01	5.4	0.2	<0.05	6	<0.5	<0.2
27000 88250	Soil	16	10	0.86	281	0.227	<1	1.91	0.011	0.75	0.1	<0.01	3.7	0.3	<0.05	8	<0.5	<0.2
27000 88300	Soil	13	20	1.04	282	0.236	<1	2.25	0.011	0.86	0.1	<0.01	7.2	0.5	<0.05	9	<0.5	<0.2
27000 88350	Soil	7	61	1.26	223	0.165	<1	2.63	0.032	0.90	<0.1	<0.01	7.5	0.8	0.25	8	<0.5	<0.2
27000 88400	Soil	5	13	0.80	222	0.245	<1	2.20	0.011	0.69	0.1	<0.01	1.5	0.5	<0.05	6	<0.5	<0.2
27000 88450	Soil	21	23	1.31	433	0.154	<1	2.43	0.008	0.27	<0.1	<0.01	3.8	0.1	<0.05	8	<0.5	<0.2
27000 88500	Soil	6	12	0.82	142	0.144	<1	2.32	0.012	0.35	<0.1	<0.01	3.1	0.3	<0.05	8	<0.5	<0.2
27000 88550	Soil	21	9	1.41	451	0.251	<1	3.47	0.039	0.67	<0.1	<0.01	6.6	0.5	0.10	11	<0.5	<0.2
22400 87950	Soil	48	17	0.37	163	0.053	1	1.36	0.007	0.35	<0.1	<0.01	3.1	0.3	<0.05	4	<0.5	<0.2
22400 88050	Soil	3	10	1.68	515	0.203	1	2.03	0.028	1.02	0.1	0.05	1.7	0.2	<0.05	5	<0.5	<0.2
22400 88100	Soil	9	20	1.21	325	0.125	2	1.66	0.029	0.35	0.2	0.04	3.9	<0.1	<0.05	5	<0.5	<0.2
22400 88250	Soil	26	10	0.62	373	0.018	<1	1.71	0.005	0.21	<0.1	<0.01	2.4	0.1	<0.05	5	<0.5	<0.2
22400 88300	Soil	17	20	0.41	165	0.062	2	1.75	0.032	0.16	<0.1	<0.01	2.0	<0.1	0.10	5	<0.5	<0.2
22400 88350	Soil	84	6	0.10	194	0.016	<1	1.09	0.100	0.15	<0.1	<0.01	2.0	<0.1	0.44	3	1.1	5.2
22400 88400	Soil	73	4	0.07	229	0.058	1	1.15	0.178	0.23	<0.1	0.01	2.0	0.2	0.87	3	7.1	9.7
22400 88500	Soil	37	11	0.16	189	0.034	<1	1.39	0.110	0.13	<0.1	0.02	1.8	<0.1	0.49	4	1.7	1.1
22400 88550	Soil	38	10	0.28	207	0.053	1	1.31	0.059	0.08	<0.1	0.02	2.7	<0.1	0.23	4	1.9	1.0



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22400 88600	Soil	2.2	19.0	54.4	158	0.2	32.3	10.6	450	3.44	20.5	2.3	3.5	12.9	39	0.3	0.4	0.4	42	0.48	0.081
22100 88000	Soil	1.4	32.1	25.6	67	0.2	16.0	11.0	542	2.66	23.7	2.3	3.2	12.7	37	0.3	0.4	1.0	37	0.58	0.051
22100 88050	Soil	1.0	21.3	13.7	64	0.1	42.4	16.5	598	4.14	29.0	1.8	1.6	8.2	33	<0.1	0.5	0.2	54	0.55	0.053
22100 88100	Soil	0.4	56.1	4.9	88	<0.1	19.1	24.0	459	4.22	5.0	0.5	3.3	3.0	29	<0.1	0.2	<0.1	94	0.68	0.116
22100 88150	Soil	1.1	51.0	7.7	84	0.2	25.8	18.4	455	3.81	20.8	1.3	4.1	3.3	40	<0.1	0.5	0.1	103	1.86	0.078
22100 88200	Soil	0.3	52.1	2.7	84	<0.1	11.9	23.2	438	3.91	2.2	0.2	<0.5	0.7	17	<0.1	0.1	<0.1	101	0.55	0.141
22100 88250	Soil	0.2	54.8	3.0	62	0.3	10.9	20.8	762	4.02	4.4	0.3	3.6	1.2	30	<0.1	0.2	<0.1	74	2.60	0.166
22100 88300	Soil	0.6	32.6	3.2	62	<0.1	13.2	10.7	357	3.47	4.6	0.7	<0.5	3.3	9	<0.1	0.1	<0.1	80	0.22	0.073
22100 88350	Soil	1.1	19.5	17.9	48	0.2	15.0	6.9	230	2.66	35.9	2.2	2.3	18.4	15	<0.1	0.3	0.2	50	0.15	0.049
22100 88400	Soil	0.9	11.9	10.8	41	<0.1	9.1	6.0	192	2.14	6.7	0.9	<0.5	6.6	13	<0.1	0.2	0.2	48	0.16	0.041
22100 88500	Soil	1.0	15.9	10.3	74	<0.1	16.3	11.2	389	2.77	5.6	1.6	2.0	11.1	26	0.1	0.2	0.1	45	0.29	0.062
22200 88000	Soil	1.2	16.8	8.6	76	<0.1	12.0	11.8	495	3.31	5.9	2.7	<0.5	12.2	24	<0.1	0.2	0.1	36	0.26	0.052
22200 88050	Soil	1.5	13.6	11.9	55	<0.1	15.2	10.4	302	2.69	8.7	0.9	2.7	10.5	19	<0.1	0.3	0.2	46	0.27	0.025
22200 88100	Soil	1.3	32.1	9.4	57	<0.1	24.7	11.1	313	2.65	13.6	1.3	3.3	12.2	25	<0.1	0.5	0.2	51	0.40	0.051
22200 88150	Soil	1.6	26.6	16.8	55	<0.1	26.3	12.6	381	3.15	14.4	1.7	2.7	19.4	20	<0.1	0.4	0.2	52	0.34	0.031
22200 88200	Soil	0.9	34.0	11.5	50	<0.1	29.9	11.7	288	2.91	11.9	1.7	2.1	16.3	22	<0.1	0.5	0.1	66	0.36	0.019
22200 88250	Soil	0.7	17.1	10.9	55	0.3	19.0	12.3	541	2.99	21.9	0.9	1.4	20.3	26	<0.1	0.3	0.1	60	0.49	0.044
22200 88300	Soil	1.2	13.8	11.3	58	<0.1	19.4	11.6	304	2.96	5.4	1.2	<0.5	8.8	15	<0.1	0.3	<0.1	55	0.23	0.019
22200 88350	Soil	1.4	14.2	15.6	76	<0.1	18.6	10.4	236	2.88	7.9	1.1	0.9	10.6	16	<0.1	0.4	0.1	51	0.19	0.022
22200 88400	Soil	1.1	16.4	12.4	59	<0.1	18.3	12.2	335	3.43	8.5	1.3	2.2	7.4	25	<0.1	0.4	0.1	56	0.22	0.036
22200 88450	Soil	1.4	20.0	12.7	96	<0.1	13.1	10.8	517	3.80	8.0	2.2	2.1	8.8	46	<0.1	0.3	0.1	51	0.27	0.064
22500 87950	Soil	1.4	37.4	10.8	125	0.2	26.3	16.6	989	3.43	12.9	0.9	3.5	5.5	70	0.5	0.4	0.1	70	1.97	0.094
22500 88000	Soil	0.6	49.9	11.2	94	0.1	18.0	17.5	456	2.98	4.9	1.4	2.6	2.9	48	0.3	0.2	0.2	68	1.38	0.195
22500 88200	Soil	2.3	23.0	153.0	275	0.3	26.2	8.7	467	3.31	24.1	3.4	10.6	14.8	40	0.2	0.3	1.2	37	0.13	0.039
22500 88250	Soil	5.8	22.5	234.2	305	1.3	13.4	5.2	132	3.85	37.2	3.4	13.5	21.5	29	0.2	0.2	7.0	21	0.06	0.048
22500 88300	Soil	8.4	29.5	103.3	94	0.1	5.3	4.6	148	3.51	38.3	3.6	3.2	27.8	63	0.1	0.3	3.7	13	0.06	0.042
22500 88350	Soil	1.4	18.9	38.7	96	0.2	9.6	5.0	281	3.08	6.3	1.6	2.8	5.4	32	0.1	0.2	0.5	30	0.13	0.031
22500 88400	Soil	2.0	18.3	65.1	109	0.2	3.6	4.0	104	2.82	25.5	1.8	5.7	15.2	12	<0.1	0.4	2.8	10	0.03	0.022
22500 88450	Soil	2.7	56.8	58.5	207	0.2	20.1	14.1	860	4.74	20.9	3.9	5.4	15.7	19	0.4	0.4	5.2	54	0.18	0.057
22500 88500	Soil	1.1	18.4	19.0	283	<0.1	10.6	18.9	694	3.22	4.0	2.6	1.6	9.6	19	0.3	0.2	0.2	55	0.26	0.059



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22400 88600	Soil	24	49	0.68	336	0.052	<1	1.49	0.011	0.08	0.1	0.01	4.2	0.1	<0.05	4	0.7	0.3
22100 88000	Soil	33	16	0.41	279	0.053	2	1.18	0.022	0.18	<0.1	0.01	3.3	0.1	0.06	4	<0.5	<0.2
22100 88050	Soil	28	38	0.53	421	0.031	2	1.41	0.016	0.21	0.1	0.02	6.7	0.1	<0.05	4	<0.5	<0.2
22100 88100	Soil	9	16	2.59	267	0.236	1	2.85	0.029	0.98	<0.1	0.01	4.2	0.2	<0.05	8	<0.5	<0.2
22100 88150	Soil	13	27	1.39	271	0.136	2	2.10	0.018	0.38	<0.1	0.03	5.9	0.2	<0.05	7	0.7	<0.2
22100 88200	Soil	3	11	2.83	296	0.272	1	3.18	0.025	1.54	<0.1	<0.01	2.8	0.1	<0.05	7	<0.5	<0.2
22100 88250	Soil	7	10	2.24	321	0.103	2	2.73	0.015	0.64	<0.1	0.04	3.5	<0.1	<0.05	6	<0.5	<0.2
22100 88300	Soil	5	28	1.21	392	0.195	<1	2.08	0.008	1.19	0.2	<0.01	4.7	0.3	<0.05	7	<0.5	<0.2
22100 88350	Soil	47	25	0.36	201	0.053	<1	1.74	0.011	0.14	0.1	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
22100 88400	Soil	18	17	0.33	105	0.096	<1	1.29	0.009	0.25	<0.1	0.01	1.8	0.2	<0.05	6	<0.5	<0.2
22100 88500	Soil	24	31	0.69	173	0.116	1	1.76	0.016	0.20	<0.1	<0.01	2.4	0.2	<0.05	5	<0.5	<0.2
22200 88000	Soil	22	16	0.83	155	0.177	<1	1.55	0.016	0.64	<0.1	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2
22200 88050	Soil	13	22	0.46	219	0.082	2	1.52	0.011	0.33	<0.1	<0.01	2.8	0.2	<0.05	4	<0.5	<0.2
22200 88100	Soil	34	26	0.63	177	0.093	2	1.39	0.019	0.24	0.1	0.03	4.3	0.2	<0.05	4	<0.5	<0.2
22200 88150	Soil	31	33	0.52	240	0.048	1	1.67	0.009	0.23	0.1	0.01	4.6	0.2	<0.05	4	<0.5	<0.2
22200 88200	Soil	31	38	0.61	176	0.100	2	1.77	0.017	0.17	0.2	0.02	6.2	0.1	<0.05	5	<0.5	<0.2
22200 88250	Soil	28	28	0.58	242	0.117	2	1.87	0.010	0.49	0.1	0.02	4.0	0.3	<0.05	6	<0.5	<0.2
22200 88300	Soil	13	30	0.59	186	0.070	<1	1.92	0.009	0.20	<0.1	<0.01	2.5	0.2	<0.05	5	<0.5	<0.2
22200 88350	Soil	13	29	0.57	188	0.097	<1	1.98	0.008	0.24	<0.1	<0.01	2.3	0.2	<0.05	5	<0.5	<0.2
22200 88400	Soil	12	29	0.64	178	0.068	2	2.40	0.013	0.13	0.1	0.02	2.5	0.2	<0.05	5	<0.5	0.4
22200 88450	Soil	25	26	0.84	278	0.119	<1	2.10	0.030	0.34	<0.1	0.01	2.8	0.2	0.11	5	<0.5	<0.2
22500 87950	Soil	16	28	0.85	475	0.086	5	1.75	0.024	0.26	0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
22500 88000	Soil	12	22	1.36	402	0.131	2	1.91	0.025	0.41	0.1	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
22500 88200	Soil	36	40	0.42	311	0.058	<1	1.49	0.029	0.12	<0.1	0.01	3.9	0.1	0.11	4	1.4	3.1
22500 88250	Soil	42	22	0.29	176	0.032	<1	1.30	0.025	0.14	<0.1	0.01	2.6	0.1	0.16	3	3.9	5.5
22500 88300	Soil	59	8	0.14	152	0.019	<1	1.11	0.041	0.10	<0.1	<0.01	2.9	0.1	0.25	3	3.0	1.4
22500 88350	Soil	20	16	0.41	174	0.075	<1	1.65	0.021	0.12	<0.1	<0.01	1.9	<0.1	0.12	4	<0.5	0.3
22500 88400	Soil	15	7	0.05	114	0.003	<1	0.64	0.004	0.10	<0.1	<0.01	2.6	0.1	0.12	2	1.2	0.4
22500 88450	Soil	41	21	0.10	326	0.004	<1	0.84	0.004	0.09	<0.1	0.02	9.0	0.1	<0.05	2	1.0	1.1
22500 88500	Soil	16	18	0.93	184	0.170	<1	2.00	0.010	0.47	<0.1	<0.01	2.1	0.6	<0.05	6	<0.5	<0.2



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Project: Mariposa
Report Date: August 01, 2010

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
22500 88550	Soil	1.7	28.4	32.0	125	0.1	6.9	6.8	281	3.11	5.0	3.3	1.3	11.3	40	0.1	0.2	0.3	27	0.21
22500 88600	Soil	2.3	31.4	183.3	640	0.5	11.1	7.7	530	4.05	30.5	6.2	6.5	18.1	71	0.9	0.4	0.6	50	0.32
22300 87950	Soil	0.8	34.6	18.6	49	0.2	14.7	7.8	259	2.00	9.6	2.0	5.7	28.5	56	<0.1	0.3	0.1	31	2.17
22300 88000	Soil	2.2	20.9	26.5	109	0.1	22.5	8.9	489	3.74	44.2	2.4	1.0	24.1	29	0.1	0.6	0.2	32	0.39
22300 88050	Soil	0.9	52.7	8.0	76	0.2	28.3	18.7	455	3.77	12.0	0.6	8.3	4.9	25	<0.1	0.4	0.1	81	0.62
22300 88100	Soil	0.5	49.2	4.9	86	<0.1	19.1	27.9	588	5.02	4.5	0.4	1.6	1.8	29	<0.1	0.3	<0.1	112	0.71
22300 88150	Soil	0.5	34.5	4.8	85	<0.1	13.5	23.8	422	4.34	3.8	0.2	<0.5	1.6	19	<0.1	0.2	<0.1	89	0.52
22300 88200	Soil	0.8	20.0	7.2	61	<0.1	15.0	18.5	541	3.61	6.0	0.3	1.2	2.2	27	<0.1	0.3	<0.1	87	0.69
22300 88250	Soil	1.1	13.3	11.1	55	<0.1	12.2	7.2	237	3.56	12.7	1.7	1.0	10.4	37	<0.1	0.4	0.1	39	0.26
22300 88300	Soil	1.2	13.8	9.4	135	0.1	15.6	8.6	513	2.48	5.5	0.3	<0.5	1.3	48	0.2	0.3	0.1	52	0.59
22300 88350	Soil	1.1	20.8	14.2	166	<0.1	13.5	8.8	258	3.28	5.8	0.5	<0.5	2.1	28	<0.1	0.3	0.1	52	0.23
22300 88400	Soil	0.9	10.4	9.9	116	<0.1	4.5	8.1	550	3.39	3.4	0.8	3.0	3.9	16	<0.1	0.1	<0.1	44	0.20
22300 88450	Soil	1.6	16.1	28.3	211	<0.1	14.8	15.0	718	3.50	7.6	1.4	<0.5	9.2	16	0.3	0.2	0.4	44	0.22
22000 88100	Soil	2.6	84.0	601.5	483	3.3	13.1	14.1	858	4.38	25.3	3.5	46.3	20.9	43	1.8	0.3	46.0	36	0.30
22000 88150	Soil	1.4	43.3	9.4	69	0.1	19.2	19.1	657	4.23	53.7	0.9	<0.5	4.7	24	<0.1	0.3	0.1	85	0.61
22000 88200	Soil	1.2	25.5	7.3	79	<0.1	22.5	16.6	420	4.23	6.9	0.7	<0.5	3.8	15	0.1	0.2	0.2	99	0.41
22000 88250	Soil	1.2	29.7	9.1	83	0.1	24.9	12.3	282	3.39	9.7	1.1	<0.5	6.2	19	<0.1	0.2	0.1	57	0.39
22000 88350	Soil	0.5	42.5	4.5	72	<0.1	14.0	19.8	343	3.92	4.3	0.7	2.1	1.6	29	<0.1	0.2	<0.1	119	0.73
22000 88400	Soil	0.4	39.7	5.2	63	<0.1	14.0	17.2	387	3.47	4.7	1.0	1.5	3.1	24	<0.1	0.2	<0.1	94	0.74
22000 88450	Soil	0.5	48.8	6.6	69	0.1	19.7	16.5	484	3.44	5.0	1.2	4.0	4.4	35	<0.1	0.2	<0.1	93	0.84
22000 88500	Soil	0.9	24.8	10.0	68	<0.1	22.4	12.1	424	3.25	11.0	1.7	2.3	6.4	28	0.1	0.2	0.1	72	0.59
27100 88000	Soil	1.0	17.2	6.2	68	<0.1	25.9	10.3	505	3.50	3.7	1.1	2.9	6.1	10	<0.1	0.3	<0.1	52	0.12
27100 88050	Soil	0.4	20.2	4.6	110	<0.1	6.3	10.4	645	3.34	1.8	0.6	11.3	3.2	13	0.1	0.2	<0.1	45	0.67
27100 88100	Soil	1.5	42.9	10.1	134	<0.1	14.3	13.4	473	4.18	4.4	0.5	10.9	3.3	17	0.3	0.4	0.1	96	0.20
27100 88150	Soil	1.7	25.7	7.7	113	<0.1	20.9	14.9	803	4.97	2.3	1.4	6.4	8.6	16	<0.1	0.2	0.2	66	0.25
27100 88200	Soil	2.1	17.2	7.4	99	<0.1	12.9	11.5	563	4.51	2.3	1.5	2.1	5.9	10	<0.1	0.2	0.2	45	0.09
27100 88250	Soil	1.2	15.2	6.6	103	0.1	17.9	11.8	692	4.59	4.9	0.6	1.2	4.7	21	<0.1	0.2	0.1	110	0.28
27100 88300	Soil	1.3	17.6	8.5	68	0.3	11.5	8.4	246	2.84	2.0	0.5	3.4	1.7	62	<0.1	0.1	<0.1	35	0.28
27100 88350	Soil	1.0	9.6	8.4	85	<0.1	13.9	7.6	437	3.48	5.6	0.5	2.0	2.0	95	<0.1	0.2	<0.1	43	0.28
27100 88400	Soil	1.4	15.3	8.4	62	0.2	13.2	6.9	275	2.84	4.0	1.0	5.7	4.6	32	<0.1	0.3	<0.1	40	0.21



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Project: Mariposa
Report Date: August 01, 2010

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CERTIFICATE OF ANALYSIS

WHI10000129.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22500 88550	Soil	31	10	0.44	134	0.079	<1	1.55	0.028	0.13	<0.1	<0.01	2.2	0.1	0.23	4	1.1	0.6
22500 88600	Soil	50	13	0.71	377	0.054	<1	2.10	0.058	0.24	0.1	0.02	4.2	0.2	0.41	5	1.1	0.5
22300 87950	Soil	74	15	0.37	203	0.042	2	1.02	0.013	0.18	<0.1	0.04	2.6	0.1	0.05	3	<0.5	<0.2
22300 88000	Soil	22	40	0.50	230	0.054	2	1.47	0.011	0.36	0.1	<0.01	6.2	0.3	0.07	5	<0.5	0.3
22300 88050	Soil	18	23	1.32	301	0.118	2	2.10	0.017	0.36	<0.1	0.02	5.8	0.1	<0.05	6	<0.5	<0.2
22300 88100	Soil	8	19	2.06	391	0.199	1	2.74	0.014	0.97	0.1	0.01	5.9	0.2	<0.05	7	<0.5	<0.2
22300 88150	Soil	6	14	1.84	309	0.175	<1	2.79	0.012	0.93	<0.1	<0.01	4.2	0.2	<0.05	7	<0.5	<0.2
22300 88200	Soil	6	20	1.20	359	0.128	2	2.29	0.016	0.44	0.1	<0.01	3.8	<0.1	<0.05	7	<0.5	<0.2
22300 88250	Soil	23	20	0.41	211	0.073	<1	1.53	0.048	0.25	<0.1	<0.01	2.8	0.1	0.20	4	<0.5	0.4
22300 88300	Soil	5	24	0.41	598	0.060	<1	1.55	0.009	0.29	<0.1	0.01	1.5	<0.1	<0.05	7	<0.5	<0.2
22300 88350	Soil	6	21	0.61	458	0.065	<1	2.14	0.013	0.20	<0.1	<0.01	1.8	<0.1	<0.05	9	<0.5	<0.2
22300 88400	Soil	7	12	1.01	142	0.173	<1	2.20	0.010	0.56	<0.1	<0.01	2.0	0.4	<0.05	6	<0.5	0.3
22300 88450	Soil	22	20	0.88	227	0.128	<1	2.28	0.010	0.40	0.2	<0.01	1.9	0.4	<0.05	5	<0.5	0.7
22000 88100	Soil	45	15	0.40	306	0.009	<1	1.33	0.037	0.23	<0.1	0.06	4.6	0.1	0.22	4	2.8	15.8
22000 88150	Soil	14	20	1.10	369	0.133	1	2.23	0.012	0.72	<0.1	0.01	5.8	0.2	<0.05	7	0.5	<0.2
22000 88200	Soil	9	42	1.50	362	0.197	<1	2.60	0.011	0.99	0.2	<0.01	6.1	0.3	<0.05	9	<0.5	<0.2
22000 88250	Soil	15	20	0.71	192	0.086	<1	1.80	0.024	0.44	<0.1	0.01	3.8	0.1	<0.05	5	0.7	<0.2
22000 88350	Soil	6	17	1.88	382	0.217	<1	2.65	0.020	0.64	<0.1	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
22000 88400	Soil	9	18	1.46	413	0.188	<1	2.43	0.026	0.50	<0.1	0.02	4.1	0.1	<0.05	7	<0.5	<0.2
22000 88450	Soil	14	26	1.30	450	0.173	<1	2.20	0.026	0.43	<0.1	0.04	4.6	0.2	<0.05	6	<0.5	<0.2
22000 88500	Soil	25	34	0.74	380	0.128	1	2.07	0.020	0.16	0.2	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
27100 88000	Soil	18	36	0.77	185	0.094	<1	1.83	0.008	0.34	0.2	0.01	6.2	0.2	<0.05	7	<0.5	<0.2
27100 88050	Soil	10	9	1.04	216	0.145	<1	1.61	0.017	0.45	0.2	<0.01	9.4	0.1	<0.05	8	<0.5	<0.2
27100 88100	Soil	12	31	0.89	368	0.150	<1	2.10	0.015	0.48	<0.1	0.01	6.5	0.2	<0.05	8	<0.5	<0.2
27100 88150	Soil	49	37	0.76	495	0.103	<1	1.90	0.016	0.40	<0.1	0.02	8.7	0.2	<0.05	7	<0.5	<0.2
27100 88200	Soil	18	17	0.40	213	0.031	<1	1.51	0.008	0.30	<0.1	0.01	5.4	0.1	<0.05	5	<0.5	<0.2
27100 88250	Soil	12	46	1.57	315	0.312	<1	3.00	0.015	0.89	0.1	0.01	8.3	0.4	<0.05	10	<0.5	<0.2
27100 88300	Soil	6	15	0.70	158	0.166	<1	2.35	0.031	0.50	<0.1	<0.01	1.4	0.5	0.06	5	<0.5	<0.2
27100 88350	Soil	6	17	0.56	234	0.188	<1	2.26	0.013	0.49	<0.1	0.01	1.7	0.3	<0.05	6	<0.5	<0.2
27100 88400	Soil	19	21	0.53	137	0.120	<1	1.74	0.016	0.16	<0.1	0.01	2.5	0.2	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
27100 88450	Soil	0.6	33.1	10.3	83	<0.1	22.2	21.1	221	4.58	2.3	0.9	1.3	6.5	25	<0.1	0.1	<0.1	129	0.39	0.115
27100 88500	Soil	0.8	19.4	13.0	137	0.3	12.3	27.7	908	5.38	3.7	0.6	2.8	3.4	31	0.1	0.2	<0.1	96	0.37	0.133
27100 88550	Soil	0.7	44.6	4.9	104	0.6	12.8	22.7	164	4.77	2.3	0.4	2.3	2.4	17	<0.1	0.2	<0.1	85	0.46	0.147



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Project: Mariposa
Report Date: August 01, 2010

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CERTIFICATE OF ANALYSIS

WHI10000129.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
27100 88450	Soil	17	40	2.60	454	0.259	<1	3.99	0.038	1.25	<0.1	0.01	8.7	0.7	<0.05	13	<0.5	<0.2
27100 88500	Soil	11	18	1.52	160	0.086	<1	3.01	0.010	0.12	<0.1	0.03	6.5	0.1	<0.05	12	<0.5	<0.2
27100 88550	Soil	9	17	1.27	180	0.257	<1	2.76	0.013	0.47	<0.1	<0.01	3.6	0.5	<0.05	8	<0.5	<0.2



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Project: Mariposa

Report Date: August 01, 2010

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QUALITY CONTROL REPORT

WHI10000129.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
26200 88400	Soil	0.4	13.6	4.1	92	<0.1	13.6	11.6	653	4.04	3.8	0.4	1.4	5.3	11	<0.1	0.2	<0.1	70	0.21	0.043
REP 26200 88400	QC	0.4	13.3	4.0	94	<0.1	13.6	12.1	679	4.11	3.7	0.4	1.6	5.2	11	<0.1	0.2	<0.1	70	0.21	0.039
26900 88550	Soil	0.7	20.9	8.4	71	<0.1	16.6	12.5	276	3.22	5.9	0.7	5.5	3.9	36	<0.1	0.3	<0.1	69	0.26	0.039
REP 26900 88550	QC	0.7	20.3	8.2	69	<0.1	16.3	12.2	272	3.14	5.8	0.6	6.7	4.0	35	<0.1	0.3	0.1	68	0.26	0.040
27000 88000	Soil	1.0	24.4	5.3	78	<0.1	15.8	10.8	634	3.72	5.0	0.9	4.2	5.4	17	<0.1	0.3	0.1	68	0.26	0.048
REP 27000 88000	QC	1.1	24.6	5.0	78	<0.1	16.1	10.8	642	3.74	4.9	0.9	4.7	5.2	17	<0.1	0.3	0.1	69	0.26	0.050
22400 88350	Soil	1.4	93.5	78.8	354	0.2	6.6	8.6	349	3.93	25.4	6.8	2.2	22.9	89	0.3	0.2	0.7	11	0.11	0.078
REP 22400 88350	QC	1.5	95.8	83.5	354	0.2	6.7	8.7	345	3.92	26.0	6.7	2.2	24.1	95	0.2	0.3	0.8	10	0.11	0.079
22200 88400	Soil	1.1	16.4	12.4	59	<0.1	18.3	12.2	335	3.43	8.5	1.3	2.2	7.4	25	<0.1	0.4	0.1	56	0.22	0.036
REP 22200 88400	QC	1.1	16.8	12.6	60	<0.1	19.8	11.9	338	3.48	8.6	1.3	3.3	7.5	26	<0.1	0.4	0.1	56	0.22	0.036
22000 88150	Soil	1.4	43.3	9.4	69	0.1	19.2	19.1	657	4.23	53.7	0.9	<0.5	4.7	24	<0.1	0.3	0.1	85	0.61	0.069
REP 22000 88150	QC	1.3	43.6	9.7	74	0.1	19.7	19.2	666	4.27	53.7	0.8	1.3	4.7	25	<0.1	0.3	0.1	86	0.62	0.072
27100 88250	Soil	1.2	15.2	6.6	103	0.1	17.9	11.8	692	4.59	4.9	0.6	1.2	4.7	21	<0.1	0.2	0.1	110	0.28	0.049
REP 27100 88250	QC	1.3	16.1	6.7	101	0.1	18.5	12.4	691	4.62	4.8	0.7	2.0	4.8	21	<0.1	0.2	<0.1	111	0.26	0.049
Reference Materials																					
STD DS7	Standard	22.3	120.7	69.3	416	1.0	59.3	10.1	676	2.57	54.8	5.1	91.1	4.9	80	6.8	6.4	4.8	92	1.05	0.080
STD DS7	Standard	23.7	119.4	73.8	425	1.0	61.1	10.2	679	2.53	54.1	5.1	86.3	4.8	73	6.5	5.9	4.7	94	1.00	0.080
STD DS7	Standard	21.1	110.6	65.2	393	0.9	53.3	8.8	627	2.35	49.1	4.7	67.6	4.6	77	6.0	6.1	4.5	82	0.94	0.074
STD DS7	Standard	20.9	113.6	68.3	403	1.0	57.5	9.8	629	2.46	54.5	5.0	97.9	5.0	78	6.4	6.2	4.7	86	0.95	0.082
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa
Report Date: August 01, 2010

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QUALITY CONTROL REPORT

WHI10000129.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
26200 88400	Soil	11	23	1.16	251	0.242	1	2.20	0.014	0.68	<0.1	<0.01	8.1	0.3	<0.05	9	<0.5	<0.2
REP 26200 88400	QC	11	23	1.22	263	0.254	1	2.29	0.012	0.73	<0.1	<0.01	8.2	0.3	<0.05	10	<0.5	<0.2
26900 88550	Soil	13	30	0.89	230	0.128	<1	2.33	0.016	0.14	<0.1	0.01	4.1	0.2	<0.05	7	<0.5	<0.2
REP 26900 88550	QC	13	29	0.89	232	0.128	<1	2.29	0.015	0.14	0.1	0.01	4.1	0.2	<0.05	7	<0.5	<0.2
27000 88000	Soil	16	26	0.99	332	0.157	1	1.88	0.012	0.53	0.2	0.02	8.0	0.2	<0.05	8	<0.5	<0.2
REP 27000 88000	QC	16	26	1.01	331	0.153	2	1.92	0.014	0.53	0.2	0.01	7.9	0.2	<0.05	8	<0.5	<0.2
22400 88350	Soil	84	6	0.10	194	0.016	<1	1.09	0.100	0.15	<0.1	<0.01	2.0	<0.1	0.44	3	1.1	5.2
REP 22400 88350	QC	86	6	0.09	186	0.018	<1	1.06	0.098	0.15	<0.1	<0.01	2.0	<0.1	0.46	2	1.3	4.9
22200 88400	Soil	12	29	0.64	178	0.068	2	2.40	0.013	0.13	0.1	0.02	2.5	0.2	<0.05	5	<0.5	0.4
REP 22200 88400	QC	13	29	0.65	180	0.070	1	2.47	0.014	0.14	0.1	0.01	2.5	0.2	<0.05	5	<0.5	<0.2
22000 88150	Soil	14	20	1.10	369	0.133	1	2.23	0.012	0.72	<0.1	0.01	5.8	0.2	<0.05	7	0.5	<0.2
REP 22000 88150	QC	14	21	1.18	371	0.136	2	2.33	0.013	0.76	<0.1	<0.01	5.7	0.2	<0.05	7	0.6	<0.2
27100 88250	Soil	12	46	1.57	315	0.312	<1	3.00	0.015	0.89	0.1	0.01	8.3	0.4	<0.05	10	<0.5	<0.2
REP 27100 88250	QC	12	46	1.57	305	0.317	<1	2.98	0.015	0.90	0.2	<0.01	8.1	0.4	<0.05	11	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	14	223	1.12	432	0.143	41	1.13	0.107	0.50	4.1	0.23	3.0	4.8	0.20	6	3.5	1.8
STD DS7	Standard	13	225	1.11	426	0.120	39	1.09	0.101	0.51	3.9	0.23	2.7	4.3	0.21	5	3.7	2.0
STD DS7	Standard	13	195	1.03	415	0.131	37	1.03	0.103	0.47	3.8	0.21	2.5	4.0	0.16	5	3.3	0.8
STD DS7	Standard	14	198	1.06	419	0.135	41	1.07	0.108	0.48	3.7	0.23	2.6	4.0	0.20	5	3.1	1.2
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: July 19, 2010

Report Date: August 01, 2010

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CERTIFICATE OF ANALYSIS

WHI10000129.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-5
P.O. Number
Number of Samples: 123

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
TRTN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
Michael Renning
John Brock

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	123	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	123	Dry at 60C			WHI
RJSV	123	Saving all or part of Soil Reject			WHI
1DX2	123	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

WHI10000129.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
26200 88350	Soil	0.7	32.7	6.0	65	<0.1	16.9	15.0	349	3.20	5.9	0.5	0.5	2.4	21	<0.1	0.3	<0.1	78	0.39	0.058
26200 88400	Soil	0.4	13.6	4.1	92	<0.1	13.6	11.6	653	4.04	3.8	0.4	1.4	5.3	11	<0.1	0.2	<0.1	70	0.21	0.043
26200 88450	Soil	1.3	40.7	10.8	77	0.1	18.7	9.9	506	3.68	6.3	0.4	7.1	2.7	16	0.2	0.4	0.2	68	0.25	0.044
26200 88500	Soil	1.7	39.5	13.8	137	<0.1	12.2	9.7	749	3.69	3.7	0.5	7.3	2.6	17	0.1	0.2	<0.1	62	0.28	0.064
26200 88550	Soil	0.6	8.4	1.6	98	<0.1	4.0	10.8	843	4.22	1.9	0.7	0.7	5.2	17	<0.1	0.1	0.2	65	0.43	0.187
26600 88000	Soil	0.7	21.3	5.2	105	<0.1	23.2	17.7	879	4.28	2.2	0.5	9.2	3.1	28	<0.1	0.3	<0.1	65	0.62	0.162
26600 88050	Soil	0.6	39.4	5.9	91	<0.1	22.2	17.2	677	4.66	3.6	0.5	10.9	2.3	19	<0.1	0.3	<0.1	103	0.49	0.091
26600 88100	Soil	0.5	34.2	5.6	70	<0.1	11.0	17.0	443	4.22	2.8	0.2	1.3	1.0	20	<0.1	0.2	<0.1	126	0.32	0.021
26600 88150	Soil	1.4	24.3	5.4	94	<0.1	19.7	18.3	324	3.84	8.3	0.5	1.2	2.0	14	<0.1	0.2	<0.1	98	0.43	0.143
26600 88200	Soil	0.7	26.6	6.8	67	<0.1	22.5	11.2	415	3.02	4.7	0.6	3.0	4.3	30	0.1	0.2	0.1	61	0.41	0.101
26600 88250	Soil	0.7	31.5	25.0	108	<0.1	14.2	10.0	539	3.59	3.5	0.5	4.0	2.9	19	<0.1	0.2	<0.1	52	0.46	0.116
26600 88300	Soil	0.8	25.2	5.0	59	<0.1	14.7	10.7	354	2.66	3.5	0.5	2.2	2.5	21	0.1	0.2	<0.1	57	0.49	0.120
26600 88350	Soil	1.3	22.2	6.2	69	<0.1	15.3	11.0	381	3.38	6.0	0.6	4.2	3.6	22	<0.1	0.3	0.2	65	0.28	0.054
26600 88400	Soil	1.6	16.3	5.3	71	<0.1	12.6	9.1	391	3.43	5.8	0.7	15.3	4.5	20	<0.1	0.2	0.1	59	0.23	0.060
26600 88450	Soil	1.3	15.9	7.7	74	0.1	15.0	11.6	561	3.14	5.7	1.6	1.9	5.2	26	0.1	0.2	0.1	60	0.49	0.054
26600 88550	Soil	1.1	14.6	6.4	74	0.1	13.8	13.1	703	3.00	4.1	0.7	2.1	3.6	25	<0.1	0.2	0.1	65	0.41	0.060
26900 88000	Soil	0.6	27.5	3.2	87	<0.1	13.0	13.6	552	3.82	3.7	0.7	3.2	4.1	19	<0.1	0.2	<0.1	71	0.46	0.090
26900 88050	Soil	0.5	18.1	2.4	83	<0.1	13.4	14.0	735	4.11	3.6	0.6	0.8	3.7	13	<0.1	0.2	<0.1	81	0.26	0.058
26900 88100	Soil	0.4	47.3	8.3	69	<0.1	20.4	14.4	366	3.42	5.2	0.3	1.0	2.3	12	<0.1	0.2	<0.1	101	0.32	0.032
26900 88150	Soil	0.5	50.8	5.4	52	<0.1	24.3	12.5	303	2.56	3.2	0.2	1.2	1.2	21	0.1	0.2	<0.1	62	0.59	0.071
26900 88200	Soil	1.5	93.9	7.9	80	<0.1	21.8	11.9	392	3.33	7.0	0.8	11.5	4.6	15	<0.1	0.4	0.1	83	0.36	0.022
26900 88250	Soil	1.6	15.2	8.8	86	<0.1	11.5	11.3	838	3.63	4.2	0.7	1.8	4.5	17	0.2	0.3	0.1	53	0.24	0.081
26900 88300	Soil	1.1	22.1	7.0	72	<0.1	21.3	12.2	504	3.81	8.0	0.8	1.8	4.7	16	<0.1	0.5	0.1	85	0.21	0.026
26900 88350	Soil	0.7	19.6	4.0	89	<0.1	9.3	16.8	714	4.56	2.2	0.2	<0.5	1.2	14	<0.1	<0.1	<0.1	117	0.35	0.092
26900 88400	Soil	1.1	20.5	6.8	87	0.1	19.9	13.4	486	3.96	4.6	0.4	1.5	2.7	41	<0.1	0.2	0.1	87	0.27	0.039
26900 88450	Soil	1.2	27.6	10.1	85	0.1	15.7	15.0	516	4.20	5.1	0.3	5.7	2.1	27	<0.1	0.3	<0.1	74	0.35	0.070
26900 88500	Soil	0.8	21.2	8.3	60	0.2	16.5	10.5	267	3.03	7.0	0.7	6.2	3.2	30	<0.1	0.3	0.1	73	0.39	0.050
26900 88550	Soil	0.7	20.9	8.4	71	<0.1	16.6	12.5	276	3.22	5.9	0.7	5.5	3.9	36	<0.1	0.3	<0.1	69	0.26	0.039
26700 88000	Soil	0.3	23.8	3.4	96	<0.1	15.8	16.3	484	4.21	2.7	0.6	3.0	2.8	20	<0.1	0.2	<0.1	93	0.51	0.112
26700 88050	Soil	0.3	41.6	5.0	85	<0.1	12.6	20.5	713	5.19	2.3	0.4	0.7	1.4	20	<0.1	0.2	<0.1	134	0.49	0.093



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Project: Mariposa

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26200 88350	Soil	12	28	0.89	222	0.134	1	1.84	0.024	0.15	0.1	0.02	5.9	<0.1	<0.05	6	<0.5	<0.2
26200 88400	Soil	11	23	1.16	251	0.242	1	2.20	0.014	0.68	<0.1	<0.01	8.1	0.3	<0.05	9	<0.5	<0.2
26200 88450	Soil	11	32	0.79	246	0.064	2	2.09	0.012	0.06	0.1	0.02	6.9	<0.1	<0.05	8	<0.5	<0.2
26200 88500	Soil	10	26	1.13	460	0.178	1	1.90	0.015	0.60	<0.1	0.01	7.0	0.2	<0.05	8	<0.5	<0.2
26200 88550	Soil	19	9	1.11	410	0.193	1	1.90	0.013	0.73	<0.1	<0.01	10.7	0.2	<0.05	9	<0.5	<0.2
26600 88000	Soil	13	39	1.42	526	0.077	<1	2.25	0.014	0.19	0.1	0.01	6.0	0.1	<0.05	10	<0.5	<0.2
26600 88050	Soil	12	41	1.42	530	0.088	1	2.38	0.017	0.15	0.1	0.01	10.2	0.1	<0.05	8	<0.5	<0.2
26600 88100	Soil	3	19	1.49	161	0.224	<1	2.77	0.028	0.15	<0.1	<0.01	5.5	0.1	<0.05	8	<0.5	<0.2
26600 88150	Soil	10	34	1.27	237	0.105	<1	2.16	0.009	0.35	<0.1	<0.01	6.6	0.2	<0.05	8	<0.5	0.3
26600 88200	Soil	16	34	0.82	327	0.165	1	1.67	0.022	0.20	0.2	0.01	4.7	0.2	<0.05	6	<0.5	<0.2
26600 88250	Soil	12	22	0.84	311	0.187	<1	1.72	0.019	0.39	0.1	0.01	8.3	0.2	<0.05	8	<0.5	<0.2
26600 88300	Soil	9	24	0.69	216	0.131	<1	1.40	0.021	0.17	0.1	<0.01	3.8	0.1	<0.05	5	<0.5	<0.2
26600 88350	Soil	12	28	0.75	270	0.162	<1	1.84	0.016	0.25	0.2	0.01	4.9	0.2	<0.05	7	<0.5	<0.2
26600 88400	Soil	17	24	0.65	160	0.176	<1	1.70	0.021	0.34	0.1	0.01	4.8	0.4	0.09	6	<0.5	<0.2
26600 88450	Soil	19	26	0.67	254	0.107	<1	1.81	0.021	0.15	0.2	0.02	4.1	0.2	<0.05	7	<0.5	<0.2
26600 88550	Soil	14	24	0.70	153	0.126	<1	1.58	0.014	0.16	0.1	0.02	3.9	0.2	<0.05	6	<0.5	<0.2
26900 88000	Soil	12	20	1.31	320	0.141	<1	1.94	0.014	0.45	<0.1	<0.01	11.0	0.2	<0.05	9	<0.5	<0.2
26900 88050	Soil	11	22	1.51	265	0.230	<1	2.39	0.010	0.72	0.3	0.01	11.1	0.3	<0.05	10	<0.5	<0.2
26900 88100	Soil	5	29	1.18	133	0.219	<1	2.04	0.028	0.33	<0.1	0.01	5.3	0.1	<0.05	8	<0.5	<0.2
26900 88150	Soil	5	49	0.85	201	0.117	<1	1.76	0.037	0.11	<0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
26900 88200	Soil	27	42	0.95	172	0.182	<1	1.93	0.054	0.18	<0.1	0.02	8.2	<0.1	<0.05	7	<0.5	<0.2
26900 88250	Soil	9	23	0.64	296	0.094	<1	1.75	0.012	0.42	<0.1	0.01	3.5	0.3	<0.05	7	<0.5	<0.2
26900 88300	Soil	13	45	0.92	186	0.148	2	2.24	0.018	0.23	0.1	0.01	6.2	0.2	<0.05	7	<0.5	<0.2
26900 88350	Soil	3	14	1.51	217	0.350	<1	2.81	0.013	0.73	0.2	<0.01	2.5	0.3	<0.05	8	<0.5	<0.2
26900 88400	Soil	13	48	1.59	228	0.231	<1	2.91	0.023	0.57	<0.1	0.02	5.2	0.5	0.09	8	<0.5	<0.2
26900 88450	Soil	6	30	1.28	183	0.244	<1	2.90	0.015	0.29	0.2	0.01	2.1	0.4	<0.05	6	<0.5	0.5
26900 88500	Soil	12	28	0.70	203	0.134	<1	2.04	0.019	0.09	0.1	0.03	4.2	0.1	<0.05	7	<0.5	<0.2
26900 88550	Soil	13	30	0.89	230	0.128	<1	2.33	0.016	0.14	<0.1	0.01	4.1	0.2	<0.05	7	<0.5	<0.2
26700 88000	Soil	13	28	1.52	391	0.124	<1	2.19	0.019	0.34	<0.1	0.01	10.0	0.2	<0.05	9	<0.5	<0.2
26700 88050	Soil	7	24	1.46	409	0.143	<1	2.57	0.024	0.15	<0.1	<0.01	9.5	<0.1	<0.05	9	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
26700 88100	Soil	0.4	25.3	3.3	95	<0.1	14.6	15.3	401	4.05	2.8	0.4	2.7	3.9	15	<0.1	0.2	<0.1	73	0.29	0.052
26700 88150	Soil	0.4	12.7	4.0	91	<0.1	7.7	8.5	549	3.80	2.3	0.4	0.7	4.7	5	<0.1	0.1	<0.1	47	0.09	0.040
26700 88200	Soil	0.3	9.2	4.4	126	<0.1	3.2	11.9	559	3.65	2.0	0.7	0.5	3.5	12	<0.1	<0.1	<0.1	42	0.89	0.317
26700 88250	Soil	1.3	32.4	5.6	81	<0.1	12.8	11.4	451	3.42	4.4	0.6	3.0	3.6	17	<0.1	0.2	0.1	68	0.26	0.066
26700 88300	Soil	1.8	30.9	5.8	64	0.1	13.0	9.0	345	2.79	5.2	0.8	2.3	4.1	21	<0.1	0.2	0.1	57	0.35	0.057
26700 88400	Soil	1.2	15.4	6.8	66	<0.1	14.8	10.6	438	3.13	6.1	0.6	1.6	4.1	21	<0.1	0.3	0.1	67	0.33	0.049
26700 88350	Soil	1.0	17.7	5.2	69	<0.1	23.2	12.1	386	3.26	6.5	0.8	1.2	5.9	40	<0.1	0.2	0.2	52	0.34	0.096
26700 88450	Soil	1.5	13.5	9.4	63	0.2	15.2	9.9	450	2.90	5.1	0.7	2.1	3.3	18	0.1	0.2	0.2	59	0.23	0.050
26700 88550	Soil	1.2	19.4	8.1	72	0.6	9.5	7.7	303	3.00	3.5	1.0	4.1	2.6	67	0.1	0.1	<0.1	41	0.68	0.076
27000 88000	Soil	1.0	24.4	5.3	78	<0.1	15.8	10.8	634	3.72	5.0	0.9	4.2	5.4	17	<0.1	0.3	0.1	68	0.26	0.048
27000 88050	Soil	1.1	31.4	4.9	69	<0.1	18.8	9.1	444	3.37	5.4	0.7	3.4	5.5	16	<0.1	0.3	0.1	55	0.27	0.047
27000 88100	Soil	0.4	69.0	6.9	82	<0.1	11.9	10.5	220	2.76	4.5	0.6	2.1	3.5	16	0.1	0.2	<0.1	63	0.47	0.122
27000 88150	Soil	1.6	22.1	5.5	78	<0.1	12.0	7.1	362	3.31	3.4	1.0	31.2	6.6	13	<0.1	0.3	0.1	45	0.15	0.025
27000 88200	Soil	2.7	18.9	8.4	90	0.1	14.2	10.6	528	4.09	3.6	0.9	24.3	6.1	14	<0.1	0.2	0.2	59	0.18	0.054
27000 88250	Soil	0.9	13.7	4.7	88	<0.1	5.8	8.6	630	3.96	2.5	0.7	0.9	4.5	19	<0.1	0.1	<0.1	56	0.42	0.118
27000 88300	Soil	0.8	14.8	5.4	96	0.1	14.0	10.1	575	4.11	5.8	0.7	0.5	7.1	19	<0.1	0.2	<0.1	69	0.27	0.061
27000 88350	Soil	0.9	54.0	4.8	80	0.2	24.4	13.1	131	5.23	1.3	0.4	2.9	2.3	20	<0.1	0.1	<0.1	114	0.12	0.046
27000 88400	Soil	0.4	10.2	5.8	92	0.1	10.2	8.4	443	3.26	4.7	0.4	1.5	1.5	18	<0.1	0.1	<0.1	48	0.27	0.097
27000 88450	Soil	0.3	12.3	9.3	94	<0.1	9.3	11.1	461	3.04	1.9	0.4	2.2	2.1	37	<0.1	0.1	<0.1	62	0.52	0.106
27000 88500	Soil	1.4	16.9	9.4	99	0.2	5.9	12.0	593	4.26	5.6	0.6	1.7	3.2	22	<0.1	0.2	<0.1	72	0.16	0.064
27000 88550	Soil	0.3	31.7	5.4	88	0.2	5.8	15.5	284	5.10	1.9	0.8	7.4	2.5	62	<0.1	0.1	<0.1	97	0.43	0.095
22400 87950	Soil	1.1	22.4	19.9	57	<0.1	10.6	9.2	376	2.62	5.1	2.4	1.0	32.9	20	<0.1	0.3	0.2	29	0.29	0.031
22400 88050	Soil	0.2	65.1	2.3	62	0.3	12.7	19.0	285	3.18	4.5	0.3	6.5	0.9	91	<0.1	0.3	<0.1	83	5.95	0.097
22400 88100	Soil	0.5	63.3	6.2	60	0.1	20.0	15.8	436	2.75	7.9	0.5	4.1	2.9	53	0.1	0.4	0.1	66	2.71	0.141
22400 88250	Soil	1.1	9.8	18.3	228	<0.1	6.8	6.1	516	3.12	13.2	0.9	0.6	6.2	14	0.1	0.2	0.1	24	0.27	0.067
22400 88300	Soil	1.3	14.2	15.5	90	0.1	13.1	7.2	235	2.63	8.7	1.7	1.0	8.9	38	0.2	0.3	0.2	45	0.24	0.038
22400 88350	Soil	1.4	93.5	78.8	354	0.2	6.6	8.6	349	3.93	25.4	6.8	2.2	22.9	89	0.3	0.2	0.7	11	0.11	0.078
22400 88400	Soil	9.9	10.0	690.9	227	0.8	3.5	3.0	84	5.90	76.9	5.0	9.1	27.6	125	0.2	0.3	17.1	11	0.07	0.078
22400 88500	Soil	1.9	13.2	161.4	55	0.6	5.4	2.2	86	3.62	43.1	2.3	2.2	17.2	52	<0.1	0.2	11.2	22	0.08	0.041
22400 88550	Soil	2.0	21.5	57.5	117	0.4	6.4	4.0	176	3.25	29.8	3.1	3.6	11.0	51	0.3	0.3	4.1	26	0.22	0.046



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26700 88100	Soil	15	20	1.25	264	0.088	<1	2.06	0.012	0.14	<0.1	<0.01	10.2	<0.1	<0.05	9	<0.5	<0.2
26700 88150	Soil	13	14	0.94	201	0.144	<1	1.93	0.007	0.55	<0.1	<0.01	6.4	0.2	<0.05	10	<0.5	<0.2
26700 88200	Soil	17	4	1.52	207	0.133	<1	1.93	0.019	0.35	<0.1	<0.01	8.0	0.1	<0.05	10	<0.5	<0.2
26700 88250	Soil	12	23	0.79	259	0.180	<1	1.85	0.017	0.37	0.1	<0.01	5.4	0.3	<0.05	8	<0.5	<0.2
26700 88300	Soil	15	24	0.70	245	0.143	<1	1.54	0.015	0.19	0.1	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
26700 88400	Soil	15	27	0.64	225	0.131	<1	1.83	0.014	0.18	0.1	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
26700 88350	Soil	19	33	0.79	342	0.169	1	1.62	0.016	0.34	0.1	<0.01	5.0	0.3	<0.05	6	<0.5	<0.2
26700 88450	Soil	15	27	0.56	239	0.077	2	1.60	0.012	0.11	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
26700 88550	Soil	11	13	0.67	205	0.122	1	1.81	0.042	0.23	<0.1	0.02	2.2	0.3	0.09	5	<0.5	<0.2
27000 88000	Soil	16	26	0.99	332	0.157	1	1.88	0.012	0.53	0.2	0.02	8.0	0.2	<0.05	8	<0.5	<0.2
27000 88050	Soil	12	25	0.86	197	0.182	<1	1.95	0.012	0.38	0.2	0.01	5.3	0.3	<0.05	7	<0.5	<0.2
27000 88100	Soil	10	22	1.07	180	0.130	1	1.78	0.023	0.20	<0.1	<0.01	4.4	<0.1	<0.05	7	<0.5	<0.2
27000 88150	Soil	18	19	0.51	275	0.100	1	1.36	0.011	0.33	<0.1	0.01	4.7	0.2	<0.05	5	<0.5	<0.2
27000 88200	Soil	17	25	0.65	270	0.088	<1	1.67	0.011	0.37	<0.1	<0.01	5.4	0.2	<0.05	6	<0.5	<0.2
27000 88250	Soil	16	10	0.86	281	0.227	<1	1.91	0.011	0.75	0.1	<0.01	3.7	0.3	<0.05	8	<0.5	<0.2
27000 88300	Soil	13	20	1.04	282	0.236	<1	2.25	0.011	0.86	0.1	<0.01	7.2	0.5	<0.05	9	<0.5	<0.2
27000 88350	Soil	7	61	1.26	223	0.165	<1	2.63	0.032	0.90	<0.1	<0.01	7.5	0.8	0.25	8	<0.5	<0.2
27000 88400	Soil	5	13	0.80	222	0.245	<1	2.20	0.011	0.69	0.1	<0.01	1.5	0.5	<0.05	6	<0.5	<0.2
27000 88450	Soil	21	23	1.31	433	0.154	<1	2.43	0.008	0.27	<0.1	<0.01	3.8	0.1	<0.05	8	<0.5	<0.2
27000 88500	Soil	6	12	0.82	142	0.144	<1	2.32	0.012	0.35	<0.1	<0.01	3.1	0.3	<0.05	8	<0.5	<0.2
27000 88550	Soil	21	9	1.41	451	0.251	<1	3.47	0.039	0.67	<0.1	<0.01	6.6	0.5	0.10	11	<0.5	<0.2
22400 87950	Soil	48	17	0.37	163	0.053	1	1.36	0.007	0.35	<0.1	<0.01	3.1	0.3	<0.05	4	<0.5	<0.2
22400 88050	Soil	3	10	1.68	515	0.203	1	2.03	0.028	1.02	0.1	0.05	1.7	0.2	<0.05	5	<0.5	<0.2
22400 88100	Soil	9	20	1.21	325	0.125	2	1.66	0.029	0.35	0.2	0.04	3.9	<0.1	<0.05	5	<0.5	<0.2
22400 88250	Soil	26	10	0.62	373	0.018	<1	1.71	0.005	0.21	<0.1	<0.01	2.4	0.1	<0.05	5	<0.5	<0.2
22400 88300	Soil	17	20	0.41	165	0.062	2	1.75	0.032	0.16	<0.1	<0.01	2.0	<0.1	0.10	5	<0.5	<0.2
22400 88350	Soil	84	6	0.10	194	0.016	<1	1.09	0.100	0.15	<0.1	<0.01	2.0	<0.1	0.44	3	1.1	5.2
22400 88400	Soil	73	4	0.07	229	0.058	1	1.15	0.178	0.23	<0.1	0.01	2.0	0.2	0.87	3	7.1	9.7
22400 88500	Soil	37	11	0.16	189	0.034	<1	1.39	0.110	0.13	<0.1	0.02	1.8	<0.1	0.49	4	1.7	1.1
22400 88550	Soil	38	10	0.28	207	0.053	1	1.31	0.059	0.08	<0.1	0.02	2.7	<0.1	0.23	4	1.9	1.0



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22400 88600	Soil	2.2	19.0	54.4	158	0.2	32.3	10.6	450	3.44	20.5	2.3	3.5	12.9	39	0.3	0.4	0.4	42	0.48	0.081
22100 88000	Soil	1.4	32.1	25.6	67	0.2	16.0	11.0	542	2.66	23.7	2.3	3.2	12.7	37	0.3	0.4	1.0	37	0.58	0.051
22100 88050	Soil	1.0	21.3	13.7	64	0.1	42.4	16.5	598	4.14	29.0	1.8	1.6	8.2	33	<0.1	0.5	0.2	54	0.55	0.053
22100 88100	Soil	0.4	56.1	4.9	88	<0.1	19.1	24.0	459	4.22	5.0	0.5	3.3	3.0	29	<0.1	0.2	<0.1	94	0.68	0.116
22100 88150	Soil	1.1	51.0	7.7	84	0.2	25.8	18.4	455	3.81	20.8	1.3	4.1	3.3	40	<0.1	0.5	0.1	103	1.86	0.078
22100 88200	Soil	0.3	52.1	2.7	84	<0.1	11.9	23.2	438	3.91	2.2	0.2	<0.5	0.7	17	<0.1	0.1	<0.1	101	0.55	0.141
22100 88250	Soil	0.2	54.8	3.0	62	0.3	10.9	20.8	762	4.02	4.4	0.3	3.6	1.2	30	<0.1	0.2	<0.1	74	2.60	0.166
22100 88300	Soil	0.6	32.6	3.2	62	<0.1	13.2	10.7	357	3.47	4.6	0.7	<0.5	3.3	9	<0.1	0.1	<0.1	80	0.22	0.073
22100 88350	Soil	1.1	19.5	17.9	48	0.2	15.0	6.9	230	2.66	35.9	2.2	2.3	18.4	15	<0.1	0.3	0.2	50	0.15	0.049
22100 88400	Soil	0.9	11.9	10.8	41	<0.1	9.1	6.0	192	2.14	6.7	0.9	<0.5	6.6	13	<0.1	0.2	0.2	48	0.16	0.041
22100 88500	Soil	1.0	15.9	10.3	74	<0.1	16.3	11.2	389	2.77	5.6	1.6	2.0	11.1	26	0.1	0.2	0.1	45	0.29	0.062
22200 88000	Soil	1.2	16.8	8.6	76	<0.1	12.0	11.8	495	3.31	5.9	2.7	<0.5	12.2	24	<0.1	0.2	0.1	36	0.26	0.052
22200 88050	Soil	1.5	13.6	11.9	55	<0.1	15.2	10.4	302	2.69	8.7	0.9	2.7	10.5	19	<0.1	0.3	0.2	46	0.27	0.025
22200 88100	Soil	1.3	32.1	9.4	57	<0.1	24.7	11.1	313	2.65	13.6	1.3	3.3	12.2	25	<0.1	0.5	0.2	51	0.40	0.051
22200 88150	Soil	1.6	26.6	16.8	55	<0.1	26.3	12.6	381	3.15	14.4	1.7	2.7	19.4	20	<0.1	0.4	0.2	52	0.34	0.031
22200 88200	Soil	0.9	34.0	11.5	50	<0.1	29.9	11.7	288	2.91	11.9	1.7	2.1	16.3	22	<0.1	0.5	0.1	66	0.36	0.019
22200 88250	Soil	0.7	17.1	10.9	55	0.3	19.0	12.3	541	2.99	21.9	0.9	1.4	20.3	26	<0.1	0.3	0.1	60	0.49	0.044
22200 88300	Soil	1.2	13.8	11.3	58	<0.1	19.4	11.6	304	2.96	5.4	1.2	<0.5	8.8	15	<0.1	0.3	<0.1	55	0.23	0.019
22200 88350	Soil	1.4	14.2	15.6	76	<0.1	18.6	10.4	236	2.88	7.9	1.1	0.9	10.6	16	<0.1	0.4	0.1	51	0.19	0.022
22200 88400	Soil	1.1	16.4	12.4	59	<0.1	18.3	12.2	335	3.43	8.5	1.3	2.2	7.4	25	<0.1	0.4	0.1	56	0.22	0.036
22200 88450	Soil	1.4	20.0	12.7	96	<0.1	13.1	10.8	517	3.80	8.0	2.2	2.1	8.8	46	<0.1	0.3	0.1	51	0.27	0.064
22500 87950	Soil	1.4	37.4	10.8	125	0.2	26.3	16.6	989	3.43	12.9	0.9	3.5	5.5	70	0.5	0.4	0.1	70	1.97	0.094
22500 88000	Soil	0.6	49.9	11.2	94	0.1	18.0	17.5	456	2.98	4.9	1.4	2.6	2.9	48	0.3	0.2	0.2	68	1.38	0.195
22500 88200	Soil	2.3	23.0	153.0	275	0.3	26.2	8.7	467	3.31	24.1	3.4	10.6	14.8	40	0.2	0.3	1.2	37	0.13	0.039
22500 88250	Soil	5.8	22.5	234.2	305	1.3	13.4	5.2	132	3.85	37.2	3.4	13.5	21.5	29	0.2	0.2	7.0	21	0.06	0.048
22500 88300	Soil	8.4	29.5	103.3	94	0.1	5.3	4.6	148	3.51	38.3	3.6	3.2	27.8	63	0.1	0.3	3.7	13	0.06	0.042
22500 88350	Soil	1.4	18.9	38.7	96	0.2	9.6	5.0	281	3.08	6.3	1.6	2.8	5.4	32	0.1	0.2	0.5	30	0.13	0.031
22500 88400	Soil	2.0	18.3	65.1	109	0.2	3.6	4.0	104	2.82	25.5	1.8	5.7	15.2	12	<0.1	0.4	2.8	10	0.03	0.022
22500 88450	Soil	2.7	56.8	58.5	207	0.2	20.1	14.1	860	4.74	20.9	3.9	5.4	15.7	19	0.4	0.4	5.2	54	0.18	0.057
22500 88500	Soil	1.1	18.4	19.0	283	<0.1	10.6	18.9	694	3.22	4.0	2.6	1.6	9.6	19	0.3	0.2	0.2	55	0.26	0.059



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22400 88600	Soil	24	49	0.68	336	0.052	<1	1.49	0.011	0.08	0.1	0.01	4.2	0.1	<0.05	4	0.7	0.3
22100 88000	Soil	33	16	0.41	279	0.053	2	1.18	0.022	0.18	<0.1	0.01	3.3	0.1	0.06	4	<0.5	<0.2
22100 88050	Soil	28	38	0.53	421	0.031	2	1.41	0.016	0.21	0.1	0.02	6.7	0.1	<0.05	4	<0.5	<0.2
22100 88100	Soil	9	16	2.59	267	0.236	1	2.85	0.029	0.98	<0.1	0.01	4.2	0.2	<0.05	8	<0.5	<0.2
22100 88150	Soil	13	27	1.39	271	0.136	2	2.10	0.018	0.38	<0.1	0.03	5.9	0.2	<0.05	7	0.7	<0.2
22100 88200	Soil	3	11	2.83	296	0.272	1	3.18	0.025	1.54	<0.1	<0.01	2.8	0.1	<0.05	7	<0.5	<0.2
22100 88250	Soil	7	10	2.24	321	0.103	2	2.73	0.015	0.64	<0.1	0.04	3.5	<0.1	<0.05	6	<0.5	<0.2
22100 88300	Soil	5	28	1.21	392	0.195	<1	2.08	0.008	1.19	0.2	<0.01	4.7	0.3	<0.05	7	<0.5	<0.2
22100 88350	Soil	47	25	0.36	201	0.053	<1	1.74	0.011	0.14	0.1	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
22100 88400	Soil	18	17	0.33	105	0.096	<1	1.29	0.009	0.25	<0.1	0.01	1.8	0.2	<0.05	6	<0.5	<0.2
22100 88500	Soil	24	31	0.69	173	0.116	1	1.76	0.016	0.20	<0.1	<0.01	2.4	0.2	<0.05	5	<0.5	<0.2
22200 88000	Soil	22	16	0.83	155	0.177	<1	1.55	0.016	0.64	<0.1	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2
22200 88050	Soil	13	22	0.46	219	0.082	2	1.52	0.011	0.33	<0.1	<0.01	2.8	0.2	<0.05	4	<0.5	<0.2
22200 88100	Soil	34	26	0.63	177	0.093	2	1.39	0.019	0.24	0.1	0.03	4.3	0.2	<0.05	4	<0.5	<0.2
22200 88150	Soil	31	33	0.52	240	0.048	1	1.67	0.009	0.23	0.1	0.01	4.6	0.2	<0.05	4	<0.5	<0.2
22200 88200	Soil	31	38	0.61	176	0.100	2	1.77	0.017	0.17	0.2	0.02	6.2	0.1	<0.05	5	<0.5	<0.2
22200 88250	Soil	28	28	0.58	242	0.117	2	1.87	0.010	0.49	0.1	0.02	4.0	0.3	<0.05	6	<0.5	<0.2
22200 88300	Soil	13	30	0.59	186	0.070	<1	1.92	0.009	0.20	<0.1	<0.01	2.5	0.2	<0.05	5	<0.5	<0.2
22200 88350	Soil	13	29	0.57	188	0.097	<1	1.98	0.008	0.24	<0.1	<0.01	2.3	0.2	<0.05	5	<0.5	<0.2
22200 88400	Soil	12	29	0.64	178	0.068	2	2.40	0.013	0.13	0.1	0.02	2.5	0.2	<0.05	5	<0.5	0.4
22200 88450	Soil	25	26	0.84	278	0.119	<1	2.10	0.030	0.34	<0.1	0.01	2.8	0.2	0.11	5	<0.5	<0.2
22500 87950	Soil	16	28	0.85	475	0.086	5	1.75	0.024	0.26	0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
22500 88000	Soil	12	22	1.36	402	0.131	2	1.91	0.025	0.41	0.1	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
22500 88200	Soil	36	40	0.42	311	0.058	<1	1.49	0.029	0.12	<0.1	0.01	3.9	0.1	0.11	4	1.4	3.1
22500 88250	Soil	42	22	0.29	176	0.032	<1	1.30	0.025	0.14	<0.1	0.01	2.6	0.1	0.16	3	3.9	5.5
22500 88300	Soil	59	8	0.14	152	0.019	<1	1.11	0.041	0.10	<0.1	<0.01	2.9	0.1	0.25	3	3.0	1.4
22500 88350	Soil	20	16	0.41	174	0.075	<1	1.65	0.021	0.12	<0.1	<0.01	1.9	<0.1	0.12	4	<0.5	0.3
22500 88400	Soil	15	7	0.05	114	0.003	<1	0.64	0.004	0.10	<0.1	<0.01	2.6	0.1	0.12	2	1.2	0.4
22500 88450	Soil	41	21	0.10	326	0.004	<1	0.84	0.004	0.09	<0.1	0.02	9.0	0.1	<0.05	2	1.0	1.1
22500 88500	Soil	16	18	0.93	184	0.170	<1	2.00	0.010	0.47	<0.1	<0.01	2.1	0.6	<0.05	6	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
22500 88550	Soil	1.7	28.4	32.0	125	0.1	6.9	6.8	281	3.11	5.0	3.3	1.3	11.3	40	0.1	0.2	0.3	27	0.21
22500 88600	Soil	2.3	31.4	183.3	640	0.5	11.1	7.7	530	4.05	30.5	6.2	6.5	18.1	71	0.9	0.4	0.6	50	0.32
22300 87950	Soil	0.8	34.6	18.6	49	0.2	14.7	7.8	259	2.00	9.6	2.0	5.7	28.5	56	<0.1	0.3	0.1	31	2.17
22300 88000	Soil	2.2	20.9	26.5	109	0.1	22.5	8.9	489	3.74	44.2	2.4	1.0	24.1	29	0.1	0.6	0.2	32	0.39
22300 88050	Soil	0.9	52.7	8.0	76	0.2	28.3	18.7	455	3.77	12.0	0.6	8.3	4.9	25	<0.1	0.4	0.1	81	0.62
22300 88100	Soil	0.5	49.2	4.9	86	<0.1	19.1	27.9	588	5.02	4.5	0.4	1.6	1.8	29	<0.1	0.3	<0.1	112	0.71
22300 88150	Soil	0.5	34.5	4.8	85	<0.1	13.5	23.8	422	4.34	3.8	0.2	<0.5	1.6	19	<0.1	0.2	<0.1	89	0.52
22300 88200	Soil	0.8	20.0	7.2	61	<0.1	15.0	18.5	541	3.61	6.0	0.3	1.2	2.2	27	<0.1	0.3	<0.1	87	0.69
22300 88250	Soil	1.1	13.3	11.1	55	<0.1	12.2	7.2	237	3.56	12.7	1.7	1.0	10.4	37	<0.1	0.4	0.1	39	0.26
22300 88300	Soil	1.2	13.8	9.4	135	0.1	15.6	8.6	513	2.48	5.5	0.3	<0.5	1.3	48	0.2	0.3	0.1	52	0.59
22300 88350	Soil	1.1	20.8	14.2	166	<0.1	13.5	8.8	258	3.28	5.8	0.5	<0.5	2.1	28	<0.1	0.3	0.1	52	0.23
22300 88400	Soil	0.9	10.4	9.9	116	<0.1	4.5	8.1	550	3.39	3.4	0.8	3.0	3.9	16	<0.1	0.1	<0.1	44	0.20
22300 88450	Soil	1.6	16.1	28.3	211	<0.1	14.8	15.0	718	3.50	7.6	1.4	<0.5	9.2	16	0.3	0.2	0.4	44	0.22
22000 88100	Soil	2.6	84.0	601.5	483	3.3	13.1	14.1	858	4.38	25.3	3.5	46.3	20.9	43	1.8	0.3	46.0	36	0.30
22000 88150	Soil	1.4	43.3	9.4	69	0.1	19.2	19.1	657	4.23	53.7	0.9	<0.5	4.7	24	<0.1	0.3	0.1	85	0.61
22000 88200	Soil	1.2	25.5	7.3	79	<0.1	22.5	16.6	420	4.23	6.9	0.7	<0.5	3.8	15	0.1	0.2	0.2	99	0.41
22000 88250	Soil	1.2	29.7	9.1	83	0.1	24.9	12.3	282	3.39	9.7	1.1	<0.5	6.2	19	<0.1	0.2	0.1	57	0.39
22000 88350	Soil	0.5	42.5	4.5	72	<0.1	14.0	19.8	343	3.92	4.3	0.7	2.1	1.6	29	<0.1	0.2	<0.1	119	0.73
22000 88400	Soil	0.4	39.7	5.2	63	<0.1	14.0	17.2	387	3.47	4.7	1.0	1.5	3.1	24	<0.1	0.2	<0.1	94	0.74
22000 88450	Soil	0.5	48.8	6.6	69	0.1	19.7	16.5	484	3.44	5.0	1.2	4.0	4.4	35	<0.1	0.2	<0.1	93	0.84
22000 88500	Soil	0.9	24.8	10.0	68	<0.1	22.4	12.1	424	3.25	11.0	1.7	2.3	6.4	28	0.1	0.2	0.1	72	0.59
27100 88000	Soil	1.0	17.2	6.2	68	<0.1	25.9	10.3	505	3.50	3.7	1.1	2.9	6.1	10	<0.1	0.3	<0.1	52	0.12
27100 88050	Soil	0.4	20.2	4.6	110	<0.1	6.3	10.4	645	3.34	1.8	0.6	11.3	3.2	13	0.1	0.2	<0.1	45	0.67
27100 88100	Soil	1.5	42.9	10.1	134	<0.1	14.3	13.4	473	4.18	4.4	0.5	10.9	3.3	17	0.3	0.4	0.1	96	0.20
27100 88150	Soil	1.7	25.7	7.7	113	<0.1	20.9	14.9	803	4.97	2.3	1.4	6.4	8.6	16	<0.1	0.2	0.2	66	0.25
27100 88200	Soil	2.1	17.2	7.4	99	<0.1	12.9	11.5	563	4.51	2.3	1.5	2.1	5.9	10	<0.1	0.2	0.2	45	0.09
27100 88250	Soil	1.2	15.2	6.6	103	0.1	17.9	11.8	692	4.59	4.9	0.6	1.2	4.7	21	<0.1	0.2	0.1	110	0.28
27100 88300	Soil	1.3	17.6	8.5	68	0.3	11.5	8.4	246	2.84	2.0	0.5	3.4	1.7	62	<0.1	0.1	<0.1	35	0.28
27100 88350	Soil	1.0	9.6	8.4	85	<0.1	13.9	7.6	437	3.48	5.6	0.5	2.0	2.0	95	<0.1	0.2	<0.1	43	0.28
27100 88400	Soil	1.4	15.3	8.4	62	0.2	13.2	6.9	275	2.84	4.0	1.0	5.7	4.6	32	<0.1	0.3	<0.1	40	0.21



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22500 88550	Soil	31	10	0.44	134	0.079	<1	1.55	0.028	0.13	<0.1	<0.01	2.2	0.1	0.23	4	1.1	0.6
22500 88600	Soil	50	13	0.71	377	0.054	<1	2.10	0.058	0.24	0.1	0.02	4.2	0.2	0.41	5	1.1	0.5
22300 87950	Soil	74	15	0.37	203	0.042	2	1.02	0.013	0.18	<0.1	0.04	2.6	0.1	0.05	3	<0.5	<0.2
22300 88000	Soil	22	40	0.50	230	0.054	2	1.47	0.011	0.36	0.1	<0.01	6.2	0.3	0.07	5	<0.5	0.3
22300 88050	Soil	18	23	1.32	301	0.118	2	2.10	0.017	0.36	<0.1	0.02	5.8	0.1	<0.05	6	<0.5	<0.2
22300 88100	Soil	8	19	2.06	391	0.199	1	2.74	0.014	0.97	0.1	0.01	5.9	0.2	<0.05	7	<0.5	<0.2
22300 88150	Soil	6	14	1.84	309	0.175	<1	2.79	0.012	0.93	<0.1	<0.01	4.2	0.2	<0.05	7	<0.5	<0.2
22300 88200	Soil	6	20	1.20	359	0.128	2	2.29	0.016	0.44	0.1	<0.01	3.8	<0.1	<0.05	7	<0.5	<0.2
22300 88250	Soil	23	20	0.41	211	0.073	<1	1.53	0.048	0.25	<0.1	<0.01	2.8	0.1	0.20	4	<0.5	0.4
22300 88300	Soil	5	24	0.41	598	0.060	<1	1.55	0.009	0.29	<0.1	0.01	1.5	<0.1	<0.05	7	<0.5	<0.2
22300 88350	Soil	6	21	0.61	458	0.065	<1	2.14	0.013	0.20	<0.1	<0.01	1.8	<0.1	<0.05	9	<0.5	<0.2
22300 88400	Soil	7	12	1.01	142	0.173	<1	2.20	0.010	0.56	<0.1	<0.01	2.0	0.4	<0.05	6	<0.5	0.3
22300 88450	Soil	22	20	0.88	227	0.128	<1	2.28	0.010	0.40	0.2	<0.01	1.9	0.4	<0.05	5	<0.5	0.7
22000 88100	Soil	45	15	0.40	306	0.009	<1	1.33	0.037	0.23	<0.1	0.06	4.6	0.1	0.22	4	2.8	15.8
22000 88150	Soil	14	20	1.10	369	0.133	1	2.23	0.012	0.72	<0.1	0.01	5.8	0.2	<0.05	7	0.5	<0.2
22000 88200	Soil	9	42	1.50	362	0.197	<1	2.60	0.011	0.99	0.2	<0.01	6.1	0.3	<0.05	9	<0.5	<0.2
22000 88250	Soil	15	20	0.71	192	0.086	<1	1.80	0.024	0.44	<0.1	0.01	3.8	0.1	<0.05	5	0.7	<0.2
22000 88350	Soil	6	17	1.88	382	0.217	<1	2.65	0.020	0.64	<0.1	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
22000 88400	Soil	9	18	1.46	413	0.188	<1	2.43	0.026	0.50	<0.1	0.02	4.1	0.1	<0.05	7	<0.5	<0.2
22000 88450	Soil	14	26	1.30	450	0.173	<1	2.20	0.026	0.43	<0.1	0.04	4.6	0.2	<0.05	6	<0.5	<0.2
22000 88500	Soil	25	34	0.74	380	0.128	1	2.07	0.020	0.16	0.2	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
27100 88000	Soil	18	36	0.77	185	0.094	<1	1.83	0.008	0.34	0.2	0.01	6.2	0.2	<0.05	7	<0.5	<0.2
27100 88050	Soil	10	9	1.04	216	0.145	<1	1.61	0.017	0.45	0.2	<0.01	9.4	0.1	<0.05	8	<0.5	<0.2
27100 88100	Soil	12	31	0.89	368	0.150	<1	2.10	0.015	0.48	<0.1	0.01	6.5	0.2	<0.05	8	<0.5	<0.2
27100 88150	Soil	49	37	0.76	495	0.103	<1	1.90	0.016	0.40	<0.1	0.02	8.7	0.2	<0.05	7	<0.5	<0.2
27100 88200	Soil	18	17	0.40	213	0.031	<1	1.51	0.008	0.30	<0.1	0.01	5.4	0.1	<0.05	5	<0.5	<0.2
27100 88250	Soil	12	46	1.57	315	0.312	<1	3.00	0.015	0.89	0.1	0.01	8.3	0.4	<0.05	10	<0.5	<0.2
27100 88300	Soil	6	15	0.70	158	0.166	<1	2.35	0.031	0.50	<0.1	<0.01	1.4	0.5	0.06	5	<0.5	<0.2
27100 88350	Soil	6	17	0.56	234	0.188	<1	2.26	0.013	0.49	<0.1	0.01	1.7	0.3	<0.05	6	<0.5	<0.2
27100 88400	Soil	19	21	0.53	137	0.120	<1	1.74	0.016	0.16	<0.1	0.01	2.5	0.2	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
27100 88450	Soil	0.6	33.1	10.3	83	<0.1	22.2	21.1	221	4.58	2.3	0.9	1.3	6.5	25	<0.1	0.1	<0.1	129	0.39	0.115
27100 88500	Soil	0.8	19.4	13.0	137	0.3	12.3	27.7	908	5.38	3.7	0.6	2.8	3.4	31	0.1	0.2	<0.1	96	0.37	0.133
27100 88550	Soil	0.7	44.6	4.9	104	0.6	12.8	22.7	164	4.77	2.3	0.4	2.3	2.4	17	<0.1	0.2	<0.1	85	0.46	0.147



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
27100 88450	Soil	17	40	2.60	454	0.259	<1	3.99	0.038	1.25	<0.1	0.01	8.7	0.7	<0.05	13	<0.5	<0.2
27100 88500	Soil	11	18	1.52	160	0.086	<1	3.01	0.010	0.12	<0.1	0.03	6.5	0.1	<0.05	12	<0.5	<0.2
27100 88550	Soil	9	17	1.27	180	0.257	<1	2.76	0.013	0.47	<0.1	<0.01	3.6	0.5	<0.05	8	<0.5	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
26200 88400	Soil	0.4	13.6	4.1	92	<0.1	13.6	11.6	653	4.04	3.8	0.4	1.4	5.3	11	<0.1	0.2	<0.1	70	0.21	0.043
REP 26200 88400	QC	0.4	13.3	4.0	94	<0.1	13.6	12.1	679	4.11	3.7	0.4	1.6	5.2	11	<0.1	0.2	<0.1	70	0.21	0.039
26900 88550	Soil	0.7	20.9	8.4	71	<0.1	16.6	12.5	276	3.22	5.9	0.7	5.5	3.9	36	<0.1	0.3	<0.1	69	0.26	0.039
REP 26900 88550	QC	0.7	20.3	8.2	69	<0.1	16.3	12.2	272	3.14	5.8	0.6	6.7	4.0	35	<0.1	0.3	0.1	68	0.26	0.040
27000 88000	Soil	1.0	24.4	5.3	78	<0.1	15.8	10.8	634	3.72	5.0	0.9	4.2	5.4	17	<0.1	0.3	0.1	68	0.26	0.048
REP 27000 88000	QC	1.1	24.6	5.0	78	<0.1	16.1	10.8	642	3.74	4.9	0.9	4.7	5.2	17	<0.1	0.3	0.1	69	0.26	0.050
22400 88350	Soil	1.4	93.5	78.8	354	0.2	6.6	8.6	349	3.93	25.4	6.8	2.2	22.9	89	0.3	0.2	0.7	11	0.11	0.078
REP 22400 88350	QC	1.5	95.8	83.5	354	0.2	6.7	8.7	345	3.92	26.0	6.7	2.2	24.1	95	0.2	0.3	0.8	10	0.11	0.079
22200 88400	Soil	1.1	16.4	12.4	59	<0.1	18.3	12.2	335	3.43	8.5	1.3	2.2	7.4	25	<0.1	0.4	0.1	56	0.22	0.036
REP 22200 88400	QC	1.1	16.8	12.6	60	<0.1	19.8	11.9	338	3.48	8.6	1.3	3.3	7.5	26	<0.1	0.4	0.1	56	0.22	0.036
22000 88150	Soil	1.4	43.3	9.4	69	0.1	19.2	19.1	657	4.23	53.7	0.9	<0.5	4.7	24	<0.1	0.3	0.1	85	0.61	0.069
REP 22000 88150	QC	1.3	43.6	9.7	74	0.1	19.7	19.2	666	4.27	53.7	0.8	1.3	4.7	25	<0.1	0.3	0.1	86	0.62	0.072
27100 88250	Soil	1.2	15.2	6.6	103	0.1	17.9	11.8	692	4.59	4.9	0.6	1.2	4.7	21	<0.1	0.2	0.1	110	0.28	0.049
REP 27100 88250	QC	1.3	16.1	6.7	101	0.1	18.5	12.4	691	4.62	4.8	0.7	2.0	4.8	21	<0.1	0.2	<0.1	111	0.26	0.049
Reference Materials																					
STD DS7	Standard	22.3	120.7	69.3	416	1.0	59.3	10.1	676	2.57	54.8	5.1	91.1	4.9	80	6.8	6.4	4.8	92	1.05	0.080
STD DS7	Standard	23.7	119.4	73.8	425	1.0	61.1	10.2	679	2.53	54.1	5.1	86.3	4.8	73	6.5	5.9	4.7	94	1.00	0.080
STD DS7	Standard	21.1	110.6	65.2	393	0.9	53.3	8.8	627	2.35	49.1	4.7	67.6	4.6	77	6.0	6.1	4.5	82	0.94	0.074
STD DS7	Standard	20.9	113.6	68.3	403	1.0	57.5	9.8	629	2.46	54.5	5.0	97.9	5.0	78	6.4	6.2	4.7	86	0.95	0.082
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
26200 88400	Soil	11	23	1.16	251	0.242	1	2.20	0.014	0.68	<0.1	<0.01	8.1	0.3	<0.05	9	<0.5	<0.2
REP 26200 88400	QC	11	23	1.22	263	0.254	1	2.29	0.012	0.73	<0.1	<0.01	8.2	0.3	<0.05	10	<0.5	<0.2
26900 88550	Soil	13	30	0.89	230	0.128	<1	2.33	0.016	0.14	<0.1	0.01	4.1	0.2	<0.05	7	<0.5	<0.2
REP 26900 88550	QC	13	29	0.89	232	0.128	<1	2.29	0.015	0.14	0.1	0.01	4.1	0.2	<0.05	7	<0.5	<0.2
27000 88000	Soil	16	26	0.99	332	0.157	1	1.88	0.012	0.53	0.2	0.02	8.0	0.2	<0.05	8	<0.5	<0.2
REP 27000 88000	QC	16	26	1.01	331	0.153	2	1.92	0.014	0.53	0.2	0.01	7.9	0.2	<0.05	8	<0.5	<0.2
22400 88350	Soil	84	6	0.10	194	0.016	<1	1.09	0.100	0.15	<0.1	<0.01	2.0	<0.1	0.44	3	1.1	5.2
REP 22400 88350	QC	86	6	0.09	186	0.018	<1	1.06	0.098	0.15	<0.1	<0.01	2.0	<0.1	0.46	2	1.3	4.9
22200 88400	Soil	12	29	0.64	178	0.068	2	2.40	0.013	0.13	0.1	0.02	2.5	0.2	<0.05	5	<0.5	0.4
REP 22200 88400	QC	13	29	0.65	180	0.070	1	2.47	0.014	0.14	0.1	0.01	2.5	0.2	<0.05	5	<0.5	<0.2
22000 88150	Soil	14	20	1.10	369	0.133	1	2.23	0.012	0.72	<0.1	0.01	5.8	0.2	<0.05	7	0.5	<0.2
REP 22000 88150	QC	14	21	1.18	371	0.136	2	2.33	0.013	0.76	<0.1	<0.01	5.7	0.2	<0.05	7	0.6	<0.2
27100 88250	Soil	12	46	1.57	315	0.312	<1	3.00	0.015	0.89	0.1	0.01	8.3	0.4	<0.05	10	<0.5	<0.2
REP 27100 88250	QC	12	46	1.57	305	0.317	<1	2.98	0.015	0.90	0.2	<0.01	8.1	0.4	<0.05	11	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	14	223	1.12	432	0.143	41	1.13	0.107	0.50	4.1	0.23	3.0	4.8	0.20	6	3.5	1.8
STD DS7	Standard	13	225	1.11	426	0.120	39	1.09	0.101	0.51	3.9	0.23	2.7	4.3	0.21	5	3.7	2.0
STD DS7	Standard	13	195	1.03	415	0.131	37	1.03	0.103	0.47	3.8	0.21	2.5	4.0	0.16	5	3.3	0.8
STD DS7	Standard	14	198	1.06	419	0.135	41	1.07	0.108	0.48	3.7	0.23	2.6	4.0	0.20	5	3.1	1.2
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: July 27, 2010

Report Date: August 09, 2010

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CERTIFICATE OF ANALYSIS

WHI10000144.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-6
P.O. Number
Number of Samples: 360

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
TRTN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
John Brock
Michael Renning

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	360	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	360	Dry at 60C			WHI
RJSV	360	Saving all or part of Soil Reject			WHI
1DX2	360	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
Report Date: August 09, 2010

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
23000 87550	Soil	1.5	47.1	19.8	72	0.2	66.2	15.6	457	3.27	13.1	1.9	2.6	11.5	70	0.1	0.4	0.7	58	0.72
23000 87600	Soil	2.4	21.3	22.7	75	0.2	10.7	11.4	482	3.36	14.8	2.8	3.3	14.1	43	<0.1	0.3	0.4	28	0.42
23000 87650	Soil	1.5	21.4	18.1	61	<0.1	10.7	8.9	236	2.66	5.6	1.2	0.9	10.7	23	<0.1	0.3	0.2	30	0.22
23000 87700	Soil	2.7	30.4	19.8	57	<0.1	15.6	9.8	374	2.85	7.3	2.1	1.9	30.7	24	<0.1	0.3	0.3	25	0.25
23000 87750	Soil	1.9	33.7	16.0	69	<0.1	30.9	13.8	412	3.32	20.2	1.2	0.9	12.5	32	<0.1	0.5	0.2	63	0.36
23000 87800	Soil	1.0	60.2	6.9	98	<0.1	29.6	39.1	652	4.13	5.2	0.7	2.0	2.7	35	0.2	0.2	<0.1	94	0.66
23000 87900	Soil	0.2	51.3	2.8	100	<0.1	11.6	24.9	313	2.96	2.6	0.4	<0.5	0.4	27	0.1	0.1	<0.1	62	0.78
23000 87950	Soil	1.9	20.5	47.0	188	0.2	15.8	12.1	517	3.23	30.4	3.3	2.3	9.2	29	0.6	0.4	1.5	36	0.21
23000 88000	Soil	1.8	32.9	47.4	348	0.1	24.6	15.7	631	3.68	15.7	4.4	7.5	20.9	31	0.7	0.4	0.8	46	0.22
23000 88050	Soil	2.7	37.6	202.8	207	1.5	12.3	3.9	177	4.79	50.3	2.8	13.9	11.2	85	0.2	0.4	11.1	28	0.11
23000 88100	Soil	3.0	20.5	38.8	99	0.2	12.8	8.2	263	2.93	15.3	2.8	3.2	12.9	34	0.2	0.4	1.5	34	0.16
23000 88150	Soil	3.0	17.8	40.1	130	0.2	12.5	6.0	205	3.07	13.3	2.5	1.6	11.2	25	0.1	0.4	1.2	39	0.15
23000 88200	Soil	2.5	22.5	42.6	192	0.3	13.2	7.9	322	3.22	14.8	2.7	7.9	12.9	45	0.4	0.4	1.1	30	0.17
23000 88250	Soil	2.4	17.4	23.0	210	0.2	17.6	7.8	734	3.09	15.4	1.6	10.5	9.6	38	0.7	0.4	0.2	31	0.34
23000 88300	Soil	0.8	22.1	17.3	52	<0.1	8.1	4.5	286	3.08	12.4	2.5	0.5	12.4	52	<0.1	0.3	0.1	30	0.22
23000 88350	Soil	0.9	16.3	10.6	60	<0.1	17.4	8.5	274	2.41	58.3	0.9	<0.5	6.4	27	<0.1	0.4	0.1	45	0.28
23000 88400	Soil	1.6	11.1	14.2	87	<0.1	9.4	6.1	287	2.84	15.8	0.7	<0.5	4.8	14	<0.1	0.2	0.1	32	0.20
22600 87800	Soil	2.6	14.6	27.3	72	0.2	8.6	11.7	632	3.29	13.8	3.1	2.7	15.4	61	0.1	0.3	0.3	19	0.34
22600 87850	Soil	2.5	17.1	20.5	70	0.2	10.3	11.0	498	3.21	10.3	3.0	<0.5	16.8	65	<0.1	0.3	0.2	19	0.27
22600 87900	Soil	2.8	35.9	15.3	128	0.6	11.1	14.9	1507	5.76	5.4	3.5	3.3	4.3	42	0.3	0.5	0.3	29	2.72
22600 87950	Soil	0.5	66.2	7.2	79	0.2	22.7	18.2	487	2.71	6.4	0.5	3.5	2.6	53	<0.1	0.5	0.1	48	1.80
22600 88000	Soil	1.0	18.8	9.4	72	<0.1	13.3	10.2	478	3.25	7.0	1.2	<0.5	6.9	16	<0.1	0.2	<0.1	50	0.31
22600 88050	Soil	1.0	21.0	17.1	72	<0.1	13.0	10.1	279	2.90	7.9	2.1	<0.5	26.4	13	<0.1	0.2	0.1	43	0.15
22600 88100	Soil	0.8	21.5	10.0	69	<0.1	11.4	8.8	299	2.57	5.6	2.1	<0.5	16.2	26	<0.1	0.2	<0.1	32	0.28
22600 88150	Soil	2.4	25.0	188.5	93	0.5	15.3	9.9	399	3.18	25.1	3.6	3.4	10.1	37	0.2	0.4	3.2	37	0.49
22600 88200	Soil	1.7	29.6	33.1	164	0.3	13.2	11.2	621	3.16	7.4	3.3	2.8	9.2	35	0.4	0.3	0.4	36	0.59
22600 88250	Soil	2.0	19.4	41.5	163	0.1	9.0	7.1	397	2.87	9.0	2.4	<0.5	10.4	26	0.1	0.3	0.5	37	0.31
22600 88300	Soil	3.2	24.2	67.8	221	0.1	6.3	6.0	412	3.21	12.2	3.4	<0.5	18.2	34	0.2	0.3	1.1	20	0.18
22600 88350	Soil	5.3	23.3	132.9	259	0.2	7.9	5.8	421	3.38	21.4	3.4	3.6	23.8	26	0.2	0.2	0.9	14	0.19
22600 88400	Soil	3.5	30.7	56.3	134	<0.1	7.4	10.1	254	2.84	20.6	2.1	<0.5	17.2	19	<0.1	0.2	0.6	31	0.19



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
23000 87550	Soil	39	64	1.06	237	0.125	<1	1.90	0.024	0.19	0.1	0.02	4.8	0.1	0.06	6	0.6	<0.2
23000 87600	Soil	27	15	0.64	178	0.094	1	1.36	0.012	0.34	<0.1	0.01	2.3	0.2	0.07	4	0.7	<0.2
23000 87650	Soil	26	14	0.46	236	0.050	<1	1.27	0.013	0.19	<0.1	<0.01	2.5	0.1	<0.05	4	<0.5	<0.2
23000 87700	Soil	131	16	0.42	507	0.022	1	1.16	0.010	0.17	<0.1	0.03	4.2	0.1	<0.05	4	<0.5	0.4
23000 87750	Soil	28	44	0.75	258	0.112	<1	2.01	0.019	0.17	0.1	<0.01	4.8	0.1	<0.05	6	<0.5	0.2
23000 87800	Soil	10	29	1.51	270	0.183	<1	2.26	0.017	0.58	<0.1	<0.01	3.9	0.3	<0.05	6	<0.5	0.2
23000 87900	Soil	2	10	1.74	338	0.244	<1	2.25	0.015	0.99	<0.1	<0.01	1.6	0.1	<0.05	6	<0.5	<0.2
23000 87950	Soil	26	19	0.39	282	0.044	1	1.20	0.016	0.16	<0.1	0.01	2.9	<0.1	0.06	4	1.2	2.0
23000 88000	Soil	48	31	0.56	462	0.081	<1	1.77	0.017	0.23	<0.1	0.02	4.3	0.2	<0.05	5	1.7	0.4
23000 88050	Soil	31	24	0.42	170	0.067	<1	1.35	0.069	0.13	<0.1	<0.01	2.7	0.1	0.30	4	3.4	6.0
23000 88100	Soil	28	20	0.30	270	0.036	<1	1.14	0.025	0.10	<0.1	0.01	3.3	<0.1	0.09	3	1.7	<0.2
23000 88150	Soil	13	23	0.42	143	0.058	1	1.42	0.012	0.10	<0.1	<0.01	2.0	<0.1	0.06	4	<0.5	0.4
23000 88200	Soil	29	21	0.35	180	0.046	<1	1.23	0.046	0.13	<0.1	0.02	3.3	0.1	0.19	4	0.9	1.4
23000 88250	Soil	22	20	0.40	345	0.043	1	1.21	0.023	0.13	<0.1	<0.01	2.5	<0.1	0.06	3	<0.5	<0.2
23000 88300	Soil	33	15	0.55	153	0.115	<1	1.43	0.038	0.16	<0.1	<0.01	2.7	0.1	0.15	4	<0.5	0.3
23000 88350	Soil	13	25	0.56	135	0.109	<1	1.41	0.015	0.25	<0.1	<0.01	2.5	0.2	<0.05	4	<0.5	<0.2
23000 88400	Soil	8	12	1.09	94	0.113	<1	2.03	0.008	0.38	0.1	<0.01	2.0	0.2	<0.05	7	<0.5	<0.2
22600 87800	Soil	39	9	0.48	168	0.069	<1	1.12	0.060	0.21	<0.1	<0.01	1.7	0.1	0.25	3	<0.5	<0.2
22600 87850	Soil	43	12	0.52	206	0.062	<1	1.21	0.043	0.29	<0.1	0.01	2.7	0.2	0.18	3	<0.5	<0.2
22600 87900	Soil	28	11	0.30	789	0.018	2	0.86	0.007	0.30	<0.1	0.05	8.1	0.1	<0.05	3	0.9	<0.2
22600 87950	Soil	11	20	1.30	179	0.108	1	1.59	0.021	0.14	0.2	0.07	4.0	<0.1	<0.05	5	<0.5	<0.2
22600 88000	Soil	33	21	0.93	132	0.124	<1	1.89	0.008	0.30	0.2	<0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
22600 88050	Soil	52	22	0.57	104	0.118	<1	1.47	0.008	0.43	<0.1	<0.01	2.8	0.3	<0.05	6	<0.5	<0.2
22600 88100	Soil	48	17	0.59	138	0.148	<1	1.37	0.013	0.31	<0.1	0.01	2.9	0.2	<0.05	4	<0.5	<0.2
22600 88150	Soil	26	23	0.43	290	0.063	<1	1.28	0.024	0.09	0.2	0.03	3.2	<0.1	0.06	4	1.7	3.5
22600 88200	Soil	32	17	0.60	269	0.082	<1	1.58	0.021	0.17	<0.1	0.03	3.4	0.1	0.05	5	0.8	0.3
22600 88250	Soil	21	16	0.57	214	0.077	<1	1.35	0.015	0.18	0.1	<0.01	2.7	0.1	<0.05	4	<0.5	<0.2
22600 88300	Soil	38	8	0.30	166	0.025	1	0.92	0.030	0.14	<0.1	<0.01	3.0	0.1	0.17	3	0.9	0.4
22600 88350	Soil	43	10	0.42	206	0.032	<1	1.00	0.020	0.15	<0.1	0.01	3.0	0.2	0.13	3	1.3	0.4
22600 88400	Soil	23	11	0.43	129	0.070	<1	1.04	0.013	0.23	0.2	<0.01	2.4	0.1	0.06	3	0.8	0.4



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Report Date: August 09, 2010

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
22600 88450	Soil	1.3	15.1	24.7	120	<0.1	4.4	8.4	359	3.23	4.1	2.8	<0.5	11.5	26	<0.1	0.1	0.1	23	0.16	0.043
22600 88500	Soil	0.9	19.4	15.3	109	<0.1	4.8	6.6	430	3.54	3.0	4.0	<0.5	13.4	26	<0.1	<0.1	0.1	50	0.20	0.059
22600 88550	Soil	5.0	51.9	8.7	130	<0.1	13.2	17.5	937	5.21	5.0	1.0	1.2	3.4	26	<0.1	0.2	<0.1	102	0.57	0.150
22900 87700	Soil	2.5	13.9	10.8	65	<0.1	9.4	7.9	308	2.90	6.0	3.6	0.8	9.9	51	<0.1	0.3	0.1	36	0.27	0.043
22900 87750	Soil	1.7	16.7	10.3	76	<0.1	18.6	11.3	453	3.10	7.1	1.9	<0.5	9.2	33	<0.1	0.4	0.1	48	0.32	0.031
22900 87800	Soil	1.1	20.3	13.8	47	<0.1	19.1	9.5	330	2.67	8.6	0.8	<0.5	16.5	29	<0.1	0.5	0.2	53	0.45	0.019
22900 87850	Soil	1.4	46.3	10.9	77	<0.1	29.4	15.9	502	4.32	9.7	1.2	3.9	5.4	33	0.1	0.5	0.2	107	0.39	0.057
22900 87900	Soil	0.5	70.3	10.8	57	0.1	27.3	21.3	381	3.73	6.8	0.5	1.3	2.6	26	<0.1	0.4	0.2	76	0.48	0.033
22900 87950	Soil	0.2	67.3	3.4	56	0.2	6.7	17.3	951	3.13	1.9	0.3	11.2	1.7	49	0.2	0.2	<0.1	45	6.21	0.261
22900 88000	Soil	0.4	49.1	5.3	76	<0.1	17.0	18.8	270	3.56	5.7	0.7	<0.5	2.7	18	<0.1	0.2	<0.1	116	0.57	0.129
22900 88050	Soil	2.5	12.8	63.5	105	0.3	6.2	3.4	127	3.82	40.5	3.6	10.9	22.9	98	<0.1	0.2	1.6	20	0.12	0.059
22900 88100	Soil	4.7	34.2	243.3	197	0.4	9.5	5.6	260	3.85	44.8	4.4	10.3	24.1	60	0.2	0.3	12.3	19	0.16	0.048
22900 88150	Soil	2.4	24.0	62.7	106	0.3	11.1	5.2	213	4.08	22.5	2.6	4.0	9.9	69	<0.1	0.3	3.0	36	0.14	0.036
22900 88200	Soil	1.7	14.4	36.6	71	0.2	12.1	8.5	389	2.49	10.6	1.4	<0.5	7.8	27	0.3	0.5	0.8	38	0.16	0.024
22900 88250	Soil	2.5	27.8	42.1	111	0.1	8.5	6.2	253	3.71	24.4	3.2	0.6	10.2	58	0.3	0.4	1.2	38	0.15	0.046
22900 88300	Soil	1.3	18.0	565.5	120	0.3	3.1	3.6	350	4.01	10.8	2.6	2.7	10.8	61	<0.1	0.2	0.1	50	0.22	0.053
22900 88350	Soil	0.6	12.6	27.2	65	<0.1	6.0	5.4	322	3.09	2.5	2.0	<0.5	8.9	41	<0.1	0.1	<0.1	43	0.36	0.033
22900 88400	Soil	1.4	18.0	22.4	65	<0.1	11.6	20.9	938	2.49	558.6	1.9	0.9	9.1	24	<0.1	0.4	0.4	24	0.16	0.025
22800 87700	Soil	1.8	25.2	54.7	110	0.3	14.8	9.7	285	2.98	13.9	1.5	1.3	8.6	23	0.2	0.4	2.3	49	0.28	0.022
22800 87750	Soil	1.5	21.7	15.4	74	<0.1	11.6	11.1	423	3.43	7.7	3.2	1.2	14.8	39	<0.1	0.3	0.1	31	0.24	0.041
22800 87800	Soil	1.6	13.3	17.3	51	<0.1	8.8	8.2	275	2.71	5.5	2.1	<0.5	28.9	17	<0.1	0.2	0.4	19	0.18	0.035
22800 87850	Soil	1.0	39.4	20.2	88	0.1	20.7	12.3	484	3.48	10.5	2.5	2.4	20.3	21	<0.1	0.4	0.2	62	0.34	0.064
22800 87900	Soil	0.9	66.3	11.2	101	<0.1	37.0	28.2	1101	6.52	10.7	1.4	0.6	6.5	19	0.1	0.3	0.2	122	0.49	0.090
22800 87950	Soil	0.6	85.3	8.4	75	0.2	32.4	24.4	642	5.41	6.2	0.8	7.2	6.2	22	<0.1	0.2	<0.1	118	0.78	0.089
22800 88000	Soil	0.4	61.7	7.8	76	0.3	15.8	21.1	1524	4.32	6.5	0.5	6.4	1.2	59	0.3	0.7	0.1	61	5.46	0.172
22800 88050	Soil	0.6	12.2	9.8	205	<0.1	6.7	9.2	590	2.79	4.9	0.8	<0.5	1.9	27	0.3	0.3	0.1	40	0.30	0.076
22800 88100	Soil	1.2	18.5	21.5	191	<0.1	15.0	10.7	651	2.97	15.6	3.2	2.3	11.0	21	0.3	0.5	0.2	40	0.22	0.035
22800 88150	Soil	2.5	18.7	395.8	92	1.2	8.1	5.2	238	3.00	49.1	2.1	8.7	15.9	42	0.2	0.3	9.7	27	0.16	0.035
22800 88200	Soil	5.1	22.5	163.1	94	0.6	7.6	7.4	221	3.39	39.4	2.4	15.9	23.1	54	<0.1	0.2	10.5	23	0.18	0.040
22800 88250	Soil	2.4	20.3	82.9	124	0.2	4.7	3.1	141	2.81	10.8	1.6	1.3	15.6	20	0.2	0.2	2.3	19	0.13	0.033



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Project: Mariposa
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22600 88450	Soil	26	8	0.44	115	0.120	<1	1.29	0.012	0.32	<0.1	<0.01	1.3	0.3	0.06	4	<0.5	0.3
22600 88500	Soil	30	11	0.70	197	0.193	<1	1.76	0.015	0.55	<0.1	<0.01	2.3	0.5	0.07	6	<0.5	0.4
22600 88550	Soil	21	16	1.73	622	0.127	<1	2.70	0.009	0.59	<0.1	<0.01	10.7	0.2	<0.05	11	<0.5	<0.2
22900 87700	Soil	13	15	0.71	192	0.160	1	1.67	0.031	0.43	<0.1	0.01	1.8	0.2	0.13	4	<0.5	<0.2
22900 87750	Soil	19	27	0.70	250	0.133	2	1.90	0.013	0.37	0.1	<0.01	3.8	0.2	<0.05	5	<0.5	<0.2
22900 87800	Soil	17	31	0.46	241	0.069	1	1.64	0.011	0.19	0.1	<0.01	3.9	0.1	<0.05	5	<0.5	0.3
22900 87850	Soil	21	43	1.14	238	0.150	2	2.19	0.018	0.43	0.2	0.02	10.4	0.2	0.08	7	0.6	<0.2
22900 87900	Soil	8	35	1.05	180	0.138	2	2.10	0.015	0.22	0.1	0.01	6.0	0.1	<0.05	6	<0.5	<0.2
22900 87950	Soil	10	4	1.16	287	0.057	2	1.52	0.014	0.36	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
22900 88000	Soil	12	27	1.45	281	0.195	1	2.39	0.014	0.49	0.1	<0.01	5.7	0.1	<0.05	8	<0.5	<0.2
22900 88050	Soil	55	10	0.22	191	0.046	<1	0.82	0.156	0.12	<0.1	0.01	1.9	<0.1	0.54	3	1.7	1.6
22900 88100	Soil	51	14	0.34	255	0.051	1	1.16	0.076	0.15	0.1	0.01	3.3	0.1	0.36	3	3.8	12.6
22900 88150	Soil	34	24	0.64	254	0.101	<1	1.66	0.075	0.12	<0.1	0.01	2.8	<0.1	0.31	4	2.5	0.4
22900 88200	Soil	16	21	0.32	319	0.036	2	1.27	0.016	0.10	0.2	0.02	2.4	<0.1	<0.05	4	<0.5	0.5
22900 88250	Soil	25	14	0.50	201	0.121	1	1.44	0.056	0.18	<0.1	<0.01	2.4	0.1	0.31	4	0.7	0.5
22900 88300	Soil	37	12	0.78	158	0.153	<1	1.87	0.055	0.39	<0.1	0.02	4.5	0.4	0.32	6	0.9	0.4
22900 88350	Soil	12	13	0.67	125	0.153	1	2.90	0.100	0.50	<0.1	<0.01	2.0	0.4	0.13	6	<0.5	<0.2
22900 88400	Soil	31	13	0.32	251	0.025	<1	1.33	0.008	0.16	<0.1	0.01	3.1	0.1	<0.05	3	<0.5	0.4
22800 87700	Soil	13	26	0.50	211	0.062	2	1.71	0.012	0.17	0.1	0.01	3.3	0.1	<0.05	5	0.5	<0.2
22800 87750	Soil	31	19	0.77	175	0.115	<1	1.70	0.020	0.35	<0.1	0.01	3.1	0.2	0.05	4	<0.5	<0.2
22800 87800	Soil	40	12	0.32	169	0.031	<1	1.21	0.009	0.24	<0.1	<0.01	1.6	0.2	<0.05	3	<0.5	<0.2
22800 87850	Soil	38	23	0.72	384	0.094	1	1.65	0.013	0.49	0.1	0.04	7.4	0.2	<0.05	5	<0.5	<0.2
22800 87900	Soil	27	57	1.39	364	0.109	2	2.85	0.016	0.57	<0.1	0.02	15.4	0.2	<0.05	9	0.5	<0.2
22800 87950	Soil	28	62	2.32	222	0.130	<1	3.31	0.020	0.45	<0.1	0.02	12.5	0.1	<0.05	10	<0.5	<0.2
22800 88000	Soil	17	13	0.85	416	0.031	4	1.48	0.012	0.28	<0.1	0.07	6.3	0.1	0.05	4	<0.5	<0.2
22800 88050	Soil	9	11	0.42	327	0.056	1	1.40	0.018	0.38	<0.1	<0.01	1.5	0.2	<0.05	8	<0.5	<0.2
22800 88100	Soil	24	25	0.58	180	0.084	1	1.79	0.011	0.16	<0.1	0.01	3.9	0.1	<0.05	5	<0.5	0.2
22800 88150	Soil	32	16	0.27	226	0.038	<1	0.91	0.051	0.19	<0.1	0.02	2.4	0.2	0.39	3	3.6	9.4
22800 88200	Soil	47	15	0.25	199	0.030	1	1.04	0.048	0.20	0.1	0.02	2.6	0.1	0.37	3	2.2	11.0
22800 88250	Soil	15	7	0.09	219	0.006	<1	1.04	0.009	0.09	<0.1	<0.01	1.8	<0.1	<0.05	3	<0.5	0.8



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22800 88300	Soil	1.7	13.7	39.6	86	0.2	10.0	5.3	186	3.11	15.0	1.1	2.2	14.8	45	0.1	0.2	1.0	30	0.11	0.025
22800 88350	Soil	1.8	16.4	66.3	505	0.2	6.3	8.3	312	3.13	24.3	3.2	3.6	17.3	36	0.7	0.4	0.3	14	0.21	0.048
22800 88400	Soil	2.0	10.1	28.5	64	0.2	11.5	6.3	254	3.29	14.7	1.6	0.9	7.9	33	0.2	0.5	0.2	48	0.18	0.032
27500 88100	Soil	1.2	16.7	14.1	58	0.2	12.6	8.2	243	2.58	5.2	0.7	11.8	3.7	33	<0.1	0.3	0.2	42	0.33	0.044
27500 88150	Soil	1.4	20.8	17.0	95	0.2	27.8	9.7	302	3.53	8.5	1.2	17.8	7.1	45	0.1	0.3	0.2	39	0.42	0.096
27500 88200	Soil	0.7	21.4	12.0	86	<0.1	7.3	8.4	307	2.72	2.9	0.5	22.3	3.6	26	0.1	0.2	<0.1	33	0.35	0.062
27500 88250	Soil	0.6	23.4	7.2	78	<0.1	10.0	15.1	457	3.62	2.8	0.4	2.5	2.0	30	0.1	0.2	<0.1	83	0.59	0.102
27500 88300	Soil	0.4	35.0	7.3	78	<0.1	5.7	11.6	208	2.83	1.3	0.5	4.5	4.8	20	<0.1	0.1	<0.1	43	0.56	0.164
27500 88350	Soil	0.6	54.3	6.0	93	0.1	8.6	17.3	470	4.49	1.6	0.5	1.6	2.4	26	<0.1	0.2	<0.1	78	0.49	0.087
27500 88400	Soil	1.1	28.6	12.7	60	0.6	15.5	9.6	313	2.78	6.9	0.6	5.1	4.3	23	0.1	0.4	0.3	64	0.27	0.020
27500 88450	Soil	1.6	75.9	19.5	229	0.4	7.2	14.6	521	5.35	2.8	0.9	3.5	3.2	19	0.5	0.2	0.8	119	0.45	0.102
27500 88500	Soil	1.5	41.8	27.7	176	0.1	11.9	9.1	503	4.19	6.7	0.8	2.7	5.9	16	0.2	0.5	0.4	65	0.20	0.030
27500 88550	Soil	1.9	44.6	18.5	161	<0.1	25.9	10.0	668	3.24	8.5	1.0	3.3	10.8	18	0.3	0.6	0.5	50	0.22	0.034
27500 88600	Soil	1.9	38.0	15.6	102	0.2	21.7	9.2	487	2.72	12.4	0.9	4.5	6.0	15	0.4	0.7	0.6	51	0.15	0.026
27500 88650	Soil	2.8	64.4	29.6	230	0.2	51.3	15.6	465	3.97	24.2	1.0	5.0	7.2	15	0.5	1.3	1.1	79	0.18	0.040
27500 88700	Soil	6.3	61.5	35.0	128	0.3	21.1	11.2	520	3.76	53.1	1.1	48.9	7.2	10	0.4	2.6	2.3	59	0.09	0.039
27500 88750	Soil	2.7	184.2	17.0	208	<0.1	13.4	14.6	545	3.31	14.2	0.8	1.4	7.2	8	0.4	0.8	0.5	48	0.14	0.065
27500 88800	Soil	3.2	180.1	10.5	124	0.1	27.7	6.6	254	4.74	17.1	2.4	0.6	10.2	61	0.6	0.6	1.1	68	0.25	0.043
22700 87750	Soil	3.3	66.1	32.9	102	0.3	9.5	8.8	209	3.10	6.1	3.9	3.5	14.5	44	0.3	0.2	2.6	18	0.19	0.040
22700 87800	Soil	1.9	23.9	13.9	64	0.1	14.6	11.7	542	3.34	11.6	2.7	3.8	16.0	51	<0.1	0.4	0.1	34	0.33	0.040
22700 87850	Soil	2.3	34.7	28.8	56	0.1	12.9	8.8	613	2.50	4.6	3.3	2.7	36.5	18	<0.1	0.3	0.1	19	0.30	0.035
22700 87900	Soil	1.9	29.2	40.9	85	0.1	23.5	9.8	329	2.78	13.0	1.9	1.7	24.1	23	0.1	0.5	0.2	37	0.36	0.032
22700 87950	Soil	1.1	22.1	19.4	76	0.1	20.7	12.0	682	3.52	8.9	1.4	2.6	10.2	29	<0.1	0.3	0.1	38	0.55	0.061
22700 88000	Soil	4.3	17.0	9.5	69	0.1	7.1	8.9	487	3.31	3.8	1.9	<0.5	10.2	26	<0.1	0.2	<0.1	35	0.32	0.039
22700 88050	Soil	2.1	16.7	13.9	59	<0.1	8.3	6.8	307	3.15	7.8	2.6	0.9	15.2	48	<0.1	0.2	0.1	22	0.19	0.037
22700 88150	Soil	0.5	10.1	10.2	172	<0.1	7.0	6.8	254	1.94	4.0	0.6	1.3	1.9	26	0.2	0.3	0.1	28	0.34	0.048
22700 88200	Soil	1.1	29.0	16.9	214	0.1	14.8	19.8	747	4.24	7.5	3.7	0.8	10.3	38	0.7	0.3	0.1	63	0.39	0.077
22700 88250	Soil	3.5	25.6	226.1	158	0.6	9.7	5.0	170	3.80	48.9	1.8	7.6	16.3	32	0.1	0.5	6.2	26	0.16	0.037
22700 88300	Soil	4.9	29.2	1110	216	1.5	26.5	8.1	234	3.99	38.0	3.2	8.8	19.8	40	0.3	0.6	9.5	26	0.32	0.061
22700 88350	Soil	3.9	20.8	32.4	164	<0.1	7.3	7.0	282	2.63	5.1	2.6	1.9	14.7	23	0.3	0.2	0.3	18	0.20	0.037



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22800 88300	Soil	39	16	0.31	214	0.027	<1	1.03	0.115	0.13	<0.1	0.01	2.5	<0.1	0.43	3	0.7	0.2
22800 88350	Soil	32	8	0.22	192	0.011	<1	1.03	0.013	0.14	<0.1	0.01	2.8	0.1	0.20	2	0.8	<0.2
22800 88400	Soil	16	24	0.34	197	0.068	<1	1.34	0.055	0.15	<0.1	0.01	2.2	<0.1	0.21	5	<0.5	<0.2
27500 88100	Soil	13	22	0.55	216	0.076	<1	1.44	0.016	0.12	<0.1	<0.01	2.7	0.1	<0.05	4	<0.5	0.6
27500 88150	Soil	25	43	0.69	213	0.050	<1	1.60	0.019	0.17	<0.1	0.01	3.1	0.2	0.07	5	<0.5	0.5
27500 88200	Soil	11	10	0.62	299	0.135	<1	1.64	0.012	0.45	<0.1	0.01	1.9	0.3	<0.05	5	<0.5	0.4
27500 88250	Soil	7	17	0.99	366	0.202	<1	2.18	0.026	0.54	0.1	<0.01	4.2	0.3	<0.05	8	<0.5	<0.2
27500 88300	Soil	17	8	0.72	229	0.083	<1	1.70	0.014	0.25	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2
27500 88350	Soil	10	13	1.11	345	0.085	<1	2.44	0.012	0.32	<0.1	<0.01	4.6	0.2	<0.05	8	<0.5	<0.2
27500 88400	Soil	12	29	0.63	201	0.108	<1	1.82	0.015	0.12	0.1	0.02	3.0	0.1	<0.05	5	<0.5	<0.2
27500 88450	Soil	9	13	1.53	423	0.315	<1	3.56	0.018	1.27	0.2	<0.01	4.8	0.9	<0.05	11	<0.5	0.8
27500 88500	Soil	10	17	0.88	203	0.209	<1	2.32	0.011	0.54	0.2	<0.01	4.3	0.4	<0.05	8	<0.5	<0.2
27500 88550	Soil	33	37	0.74	271	0.157	<1	1.67	0.013	0.30	0.1	0.01	5.5	0.3	<0.05	6	<0.5	<0.2
27500 88600	Soil	19	33	0.53	280	0.076	1	1.75	0.010	0.11	0.1	0.02	3.4	0.1	<0.05	5	<0.5	<0.2
27500 88650	Soil	19	66	1.11	184	0.150	<1	2.29	0.017	0.26	0.2	0.01	4.7	0.3	<0.05	7	<0.5	<0.2
27500 88700	Soil	16	35	0.42	200	0.052	1	2.05	0.011	0.15	0.1	0.03	3.4	0.1	<0.05	6	<0.5	<0.2
27500 88750	Soil	12	18	0.49	133	0.083	1	1.83	0.009	0.30	0.1	<0.01	3.7	0.3	<0.05	6	<0.5	<0.2
27500 88800	Soil	18	58	0.59	299	0.062	<1	2.99	0.050	0.10	<0.1	<0.01	3.6	0.1	0.12	7	1.6	0.3
22700 87750	Soil	34	9	0.35	148	0.051	<1	1.02	0.039	0.14	<0.1	0.02	2.7	0.1	0.13	3	1.5	0.7
22700 87800	Soil	32	20	0.51	179	0.073	1	1.33	0.052	0.18	0.1	0.02	3.6	0.1	0.13	4	<0.5	<0.2
22700 87850	Soil	83	14	0.24	244	0.024	1	0.81	0.008	0.17	<0.1	0.04	2.5	0.1	<0.05	3	0.7	<0.2
22700 87900	Soil	27	24	0.36	156	0.050	1	1.18	0.011	0.19	<0.1	0.02	5.5	0.1	<0.05	3	<0.5	<0.2
22700 87950	Soil	26	17	0.72	286	0.090	1	1.50	0.017	0.34	<0.1	0.02	3.9	0.2	<0.05	4	<0.5	<0.2
22700 88000	Soil	15	14	0.64	148	0.158	1	1.67	0.014	0.46	<0.1	<0.01	1.7	0.3	<0.05	4	<0.5	<0.2
22700 88050	Soil	32	12	0.54	112	0.079	<1	1.56	0.070	0.15	<0.1	<0.01	2.0	0.1	0.20	4	<0.5	0.3
22700 88150	Soil	4	11	0.33	277	0.023	2	1.04	0.010	0.16	<0.1	0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
22700 88200	Soil	29	17	0.83	242	0.169	<1	2.12	0.055	0.24	<0.1	0.01	4.0	<0.1	0.14	6	<0.5	<0.2
22700 88250	Soil	19	16	0.29	183	0.045	<1	0.95	0.031	0.10	<0.1	0.01	2.4	0.1	0.15	3	3.5	14.3
22700 88300	Soil	26	37	0.45	212	0.026	<1	1.23	0.024	0.12	<0.1	0.03	2.7	<0.1	0.16	3	3.6	11.5
22700 88350	Soil	26	8	0.29	246	0.013	<1	1.05	0.015	0.12	<0.1	0.01	2.4	0.1	0.07	4	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22700 88400	Soil	3.1	20.4	1403	198	1.7	7.2	3.5	174	3.15	87.8	1.3	3.4	14.1	41	0.3	0.9	0.5	21	0.24	0.054
27300 88000	Soil	1.4	32.1	11.5	74	0.3	16.5	11.6	493	3.16	4.3	2.0	12.8	5.4	31	0.2	0.3	0.2	53	0.53	0.052
27300 88050	Soil	1.6	21.6	12.9	66	0.4	10.4	9.7	434	3.07	4.9	1.5	9.6	4.4	37	<0.1	0.2	0.2	51	0.55	0.052
27300 88100	Soil	1.6	24.5	11.4	70	0.5	12.3	8.7	286	3.01	4.2	1.5	10.5	4.2	41	<0.1	0.2	0.2	51	0.55	0.067
27300 88150	Soil	1.3	24.8	7.2	75	0.5	10.1	8.2	319	3.14	3.7	1.5	6.7	4.2	41	<0.1	0.1	0.2	60	0.39	0.050
27300 88200	Soil	0.6	14.3	9.8	86	0.3	7.1	6.5	447	3.20	4.6	0.8	4.1	3.2	37	<0.1	0.2	<0.1	43	0.36	0.051
27300 88250	Soil	0.8	21.8	9.5	68	0.4	10.5	6.5	233	2.70	4.4	0.7	2.6	2.9	46	<0.1	0.2	<0.1	37	0.35	0.025
27300 88350	Soil	0.6	24.3	6.1	95	0.2	9.6	12.1	539	4.07	4.1	0.3	1.9	1.2	28	<0.1	0.2	<0.1	106	0.36	0.055
27300 88400	Soil	0.6	22.1	7.1	92	0.3	16.1	13.3	252	3.33	3.8	0.5	1.5	2.8	26	<0.1	0.2	<0.1	76	0.41	0.074
27300 88450	Soil	0.5	25.1	5.6	74	<0.1	16.2	13.3	229	3.19	3.7	0.5	3.4	2.9	28	<0.1	0.2	<0.1	84	0.51	0.087
27300 88500	Soil	1.3	29.1	12.0	78	0.2	11.9	13.7	370	3.77	3.3	0.7	2.3	3.6	25	<0.1	0.2	0.1	75	0.48	0.051
27300 88550	Soil	1.2	23.0	10.8	73	0.3	17.1	10.7	422	3.80	6.3	0.6	1.2	3.5	17	0.1	0.4	0.2	69	0.20	0.022
27600 88100	Soil	1.6	35.8	10.6	84	0.3	14.6	13.1	434	3.14	8.4	1.2	6.5	3.4	35	0.3	0.4	0.3	62	0.53	0.073
27600 88150	Soil	0.7	32.5	7.9	72	0.3	17.3	13.4	332	3.14	3.7	1.0	29.6	3.0	39	<0.1	0.3	0.1	75	0.52	0.067
27600 88200	Soil	0.6	25.1	5.0	78	0.1	10.2	14.6	368	3.47	2.9	0.4	2.0	1.6	26	0.1	0.3	<0.1	87	0.49	0.078
27600 88250	Soil	0.8	20.2	8.8	80	0.1	22.0	12.1	310	3.53	5.6	0.3	<0.5	2.0	22	<0.1	0.4	0.1	85	0.26	0.044
27600 88300	Soil	0.8	27.7	7.5	85	<0.1	14.8	14.7	333	3.90	6.0	0.5	<0.5	3.0	26	<0.1	0.3	0.1	81	0.35	0.041
27600 88350	Soil	1.1	31.2	9.6	80	0.1	16.6	14.2	396	3.88	6.2	0.6	3.8	3.0	26	<0.1	0.3	0.2	84	0.58	0.068
27600 88400	Soil	2.0	29.1	24.8	119	0.1	16.1	14.3	668	5.16	16.9	0.8	<0.5	5.5	13	0.1	0.7	0.2	104	0.22	0.051
27600 88450	Soil	1.5	51.6	33.3	265	0.2	9.3	14.2	454	5.27	2.5	0.6	3.1	1.8	16	0.4	0.2	0.5	112	0.27	0.064
27600 88500	Soil	1.6	90.3	12.7	75	0.4	15.5	8.2	254	2.81	15.4	0.8	6.1	6.8	12	0.2	0.6	2.9	44	0.13	0.020
27600 88550	Soil	2.2	51.2	17.3	138	0.1	16.6	9.6	572	3.30	19.4	0.9	1.4	8.1	16	0.4	0.9	0.4	45	0.18	0.035
27600 88700	Soil	2.6	64.0	13.6	161	<0.1	32.2	6.4	299	3.86	20.9	2.2	1.3	9.4	113	0.3	0.4	0.4	130	0.24	0.044
27600 88800	Soil	0.6	40.7	9.8	102	<0.1	12.8	9.9	546	3.34	4.1	0.4	1.5	1.4	17	0.2	0.3	<0.1	50	0.36	0.081
27600 88850	Soil	0.5	10.4	5.3	141	<0.1	11.9	10.6	659	3.82	5.9	0.5	<0.5	1.4	17	0.2	0.1	<0.1	56	0.26	0.090
27400 88000	Soil	1.3	25.2	11.3	76	0.2	14.4	11.2	361	3.19	5.7	1.0	9.5	3.7	37	0.1	0.3	0.1	63	0.46	0.052
27400 88100	Soil	1.0	22.8	9.5	73	0.4	14.1	8.8	333	3.05	4.9	1.1	12.9	3.3	42	<0.1	0.2	0.1	55	0.45	0.050
27400 88200	Soil	0.6	25.0	10.2	81	0.5	11.3	12.2	437	3.08	3.2	0.9	3.0	2.4	32	0.1	0.2	<0.1	63	0.53	0.083
27400 88250	Soil	0.4	15.7	8.5	122	<0.1	8.8	10.2	262	2.68	2.3	0.4	14.9	1.9	20	0.1	0.1	0.2	46	0.33	0.078
27400 88400	Soil	0.6	35.5	8.9	126	0.2	9.5	20.9	461	4.16	2.1	0.7	3.0	2.9	28	<0.1	0.2	<0.1	81	0.83	0.184



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22700 88400	Soil	18	13	0.28	250	0.028	<1	0.91	0.034	0.17	<0.1	0.04	2.0	0.2	0.24	3	3.1	0.3
27300 88000	Soil	24	28	0.60	363	0.095	<1	1.69	0.015	0.24	<0.1	0.03	5.8	0.2	<0.05	6	<0.5	<0.2
27300 88050	Soil	17	19	0.60	254	0.101	<1	1.77	0.019	0.22	<0.1	0.03	4.3	0.2	<0.05	6	<0.5	0.4
27300 88100	Soil	17	21	0.69	221	0.128	1	1.72	0.022	0.30	<0.1	0.02	4.0	0.3	<0.05	6	<0.5	<0.2
27300 88150	Soil	17	18	0.86	222	0.145	<1	1.91	0.019	0.45	<0.1	0.02	5.1	0.4	<0.05	6	0.6	0.3
27300 88200	Soil	11	13	0.67	146	0.165	<1	1.70	0.016	0.23	<0.1	<0.01	2.3	0.2	<0.05	6	<0.5	<0.2
27300 88250	Soil	11	16	0.59	168	0.094	<1	2.04	0.024	0.11	<0.1	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
27300 88350	Soil	4	16	1.19	230	0.299	<1	2.58	0.014	0.69	0.2	<0.01	3.1	0.5	<0.05	9	<0.5	<0.2
27300 88400	Soil	11	24	1.01	282	0.191	1	2.12	0.014	0.28	<0.1	0.01	4.2	0.2	<0.05	8	<0.5	<0.2
27300 88450	Soil	10	24	0.99	351	0.202	<1	1.92	0.016	0.39	0.1	0.01	4.6	0.3	<0.05	7	<0.5	<0.2
27300 88500	Soil	12	20	1.03	248	0.169	<1	2.60	0.019	0.28	0.1	0.01	4.2	0.3	<0.05	7	<0.5	<0.2
27300 88550	Soil	9	27	0.78	211	0.186	<1	2.29	0.011	0.41	0.1	0.01	3.0	0.3	<0.05	7	<0.5	<0.2
27600 88100	Soil	18	25	0.71	284	0.118	1	1.79	0.018	0.22	0.1	0.03	4.2	0.2	<0.05	6	<0.5	<0.2
27600 88150	Soil	17	29	0.94	409	0.179	1	2.16	0.017	0.39	0.1	0.04	5.3	0.3	<0.05	7	<0.5	<0.2
27600 88200	Soil	6	17	1.01	347	0.228	1	2.14	0.019	0.62	0.1	0.01	4.3	0.3	<0.05	8	<0.5	<0.2
27600 88250	Soil	6	39	0.80	217	0.184	<1	2.22	0.013	0.37	0.1	0.02	3.3	0.3	<0.05	8	<0.5	0.3
27600 88300	Soil	12	24	0.96	294	0.116	<1	2.38	0.014	0.16	<0.1	0.01	5.2	0.1	<0.05	8	<0.5	<0.2
27600 88350	Soil	9	27	1.03	277	0.152	1	2.39	0.023	0.27	0.1	0.01	5.6	0.2	<0.05	7	<0.5	<0.2
27600 88400	Soil	10	31	1.38	253	0.222	<1	2.95	0.012	0.76	0.2	0.01	7.1	0.5	<0.05	11	<0.5	0.2
27600 88450	Soil	7	23	1.59	418	0.340	<1	3.37	0.017	1.30	0.1	<0.01	3.3	1.3	<0.05	10	0.8	0.9
27600 88500	Soil	13	26	0.63	192	0.073	<1	1.96	0.011	0.10	<0.1	0.01	2.9	0.3	<0.05	6	<0.5	1.0
27600 88550	Soil	26	26	0.44	267	0.048	1	1.86	0.009	0.18	<0.1	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
27600 88700	Soil	19	91	0.88	309	0.102	<1	2.96	0.021	0.20	0.1	<0.01	3.2	0.1	0.06	7	1.2	0.4
27600 88800	Soil	4	17	0.99	156	0.200	<1	2.67	0.015	0.28	0.1	0.02	1.5	0.2	<0.05	7	<0.5	<0.2
27600 88850	Soil	5	12	1.17	130	0.283	<1	2.86	0.013	0.91	<0.1	<0.01	1.0	0.8	<0.05	8	<0.5	<0.2
27400 88000	Soil	15	27	0.72	239	0.120	<1	1.78	0.022	0.14	<0.1	0.01	3.4	0.1	<0.05	7	<0.5	<0.2
27400 88100	Soil	14	31	0.80	216	0.116	<1	1.84	0.018	0.16	<0.1	0.01	3.3	0.2	<0.05	6	<0.5	0.2
27400 88200	Soil	14	18	0.77	283	0.124	<1	1.81	0.017	0.31	<0.1	0.01	4.0	0.2	<0.05	7	<0.5	<0.2
27400 88250	Soil	8	13	0.73	176	0.070	<1	1.62	0.013	0.39	<0.1	<0.01	1.8	0.2	<0.05	8	<0.5	<0.2
27400 88400	Soil	12	16	1.41	265	0.146	<1	2.58	0.019	0.22	0.1	<0.01	5.1	0.1	<0.05	10	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
27400 88450	Soil	1.4	36.4	14.0	105	0.4	15.1	15.7	652	4.41	4.1	0.9	3.6	3.4	22	0.2	0.2	0.2	83	0.59	0.077
27400 88500	Soil	1.2	47.4	21.5	123	0.5	17.6	12.6	524	3.71	5.8	0.9	5.9	4.5	24	0.3	0.3	0.4	75	0.40	0.057
27400 88550	Soil	3.3	91.0	21.5	156	<0.1	15.7	10.1	530	3.72	7.1	0.8	2.4	5.4	23	0.3	0.4	0.8	73	0.36	0.069
27400 88600	Soil	1.8	43.6	32.6	142	0.1	18.7	10.3	571	3.37	9.3	1.1	12.9	8.7	25	0.3	0.9	1.0	55	0.33	0.045
27400 88650	Soil	2.1	63.0	20.3	94	0.1	18.0	8.3	322	2.88	22.8	1.2	13.5	7.3	21	0.2	2.2	0.9	52	0.21	0.013
27200 88000	Soil	1.6	69.9	9.0	104	<0.1	17.2	9.7	548	5.03	5.9	0.9	21.0	6.4	17	<0.1	0.3	0.3	83	0.13	0.040
27200 88050	Soil	0.7	124.4	9.7	92	<0.1	14.5	23.1	301	4.63	2.5	0.6	0.6	1.9	25	0.1	<0.1	<0.1	159	0.69	0.152
27200 88100	Soil	1.5	23.6	10.1	94	<0.1	14.3	11.9	513	4.48	4.3	0.7	1.0	6.8	17	<0.1	0.2	0.2	59	0.27	0.060
27200 88150	Soil	2.2	36.0	13.9	103	0.2	18.4	14.2	336	4.81	4.4	1.1	0.7	4.3	32	<0.1	0.2	0.2	73	0.11	0.047
27200 88200	Soil	1.6	14.0	10.8	124	0.3	8.8	7.9	504	2.81	2.3	0.9	3.8	2.7	65	0.2	0.1	<0.1	46	0.50	0.110
27200 88250	Soil	0.8	15.2	11.2	79	0.3	9.7	8.3	310	2.93	3.6	0.7	5.4	3.1	78	<0.1	0.2	0.1	39	0.38	0.040
27200 88300	Soil	1.1	13.5	12.4	66	0.4	14.2	9.5	403	2.97	5.9	0.6	2.7	2.8	32	<0.1	0.3	0.2	64	0.25	0.032
27200 88350	Soil	0.7	37.8	11.9	92	0.2	23.6	20.7	245	4.62	5.5	0.7	2.8	3.3	45	0.1	0.2	0.1	135	0.35	0.074
27200 88400	Soil	0.5	24.5	7.7	116	0.2	21.0	13.7	486	3.51	5.3	0.4	1.4	2.1	51	<0.1	0.2	<0.1	80	0.30	0.037
27200 88450	Soil	0.5	59.0	8.3	112	0.2	9.1	18.5	375	5.69	3.2	0.7	1.8	1.5	123	<0.1	0.1	<0.1	149	0.34	0.105
27200 88500	Soil	0.6	31.6	5.7	98	0.3	10.0	17.3	289	4.71	3.4	0.2	2.1	0.9	20	<0.1	0.2	<0.1	118	0.39	0.114
27900 88100	Soil	1.5	29.9	10.2	65	0.1	16.2	10.2	392	2.84	7.7	2.9	11.1	5.7	55	0.3	0.4	0.2	49	0.67	0.088
27900 88150	Soil	1.6	38.3	11.5	66	0.3	18.7	7.7	296	2.21	5.6	4.1	13.7	4.7	75	0.4	0.3	0.2	45	0.92	0.081
27900 88250	Soil	1.3	31.5	9.5	66	0.2	18.6	7.5	270	2.45	4.5	3.0	13.4	5.5	57	0.2	0.3	0.2	47	0.72	0.093
27900 88300	Soil	2.8	98.3	10.8	151	<0.1	9.3	6.9	593	3.87	4.9	1.6	5.1	11.5	11	0.5	0.7	0.6	32	0.15	0.058
27900 88350	Soil	1.3	46.2	10.3	188	<0.1	13.5	8.6	465	3.35	5.4	0.8	2.2	8.0	14	0.4	0.5	0.5	42	0.13	0.033
27900 88400	Soil	1.5	34.0	12.0	95	<0.1	21.0	8.3	375	2.76	7.8	1.0	11.8	9.2	18	0.3	0.7	0.5	41	0.19	0.033
27900 88450	Soil	1.5	37.9	14.3	96	0.1	19.4	7.4	287	2.80	10.4	0.8	21.5	7.5	21	0.3	0.6	0.6	47	0.20	0.035
27900 88500	Soil	1.5	49.9	41.1	235	0.2	15.7	7.0	565	3.16	13.4	0.9	6.5	10.7	21	0.7	0.7	0.3	47	0.22	0.023
27900 88550	Soil	4.3	750.8	20.3	216	0.9	15.6	5.1	182	4.78	20.4	1.4	19.9	3.9	35	0.9	0.7	18.1	34	0.20	0.072
27900 88600	Soil	1.3	275.9	10.0	147	<0.1	13.4	6.3	305	2.54	1.2	0.7	1.1	1.7	30	<0.1	<0.1	0.3	41	0.66	0.107
27900 88650	Soil	0.8	267.8	11.0	144	<0.1	92.0	18.8	800	4.91	1.2	1.5	5.6	6.8	110	0.3	0.1	0.3	80	1.10	0.262
27900 88700	Soil	0.4	36.4	7.7	107	<0.1	9.1	10.0	536	3.02	1.4	0.6	<0.5	3.9	20	0.1	0.1	<0.1	43	0.47	0.100
27900 88750	Soil	1.2	16.1	11.2	34	0.1	13.8	5.6	153	2.82	7.5	0.5	2.7	4.8	11	<0.1	0.4	0.2	69	0.09	0.030
27900 88800	Soil	1.4	18.0	9.5	48	<0.1	11.8	6.1	305	3.25	5.5	1.0	<0.5	13.0	11	<0.1	0.3	0.2	39	0.08	0.025



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
27400 88450	Soil	11	31	1.30	322	0.125	<1	2.73	0.014	0.34	<0.1	<0.01	4.9	0.3	<0.05	7	<0.5	<0.2
27400 88500	Soil	15	28	1.02	346	0.189	1	2.25	0.019	0.43	0.2	0.02	4.3	0.4	<0.05	6	<0.5	<0.2
27400 88550	Soil	14	26	1.28	307	0.255	<1	2.57	0.024	0.73	0.2	<0.01	3.6	0.7	<0.05	7	<0.5	0.4
27400 88600	Soil	21	29	0.64	276	0.125	<1	1.95	0.014	0.25	0.2	0.02	5.0	0.3	<0.05	6	<0.5	<0.2
27400 88650	Soil	28	32	0.50	379	0.067	1	1.60	0.012	0.08	<0.1	0.02	4.2	0.1	<0.05	5	<0.5	<0.2
27200 88000	Soil	21	38	1.27	485	0.243	1	2.63	0.013	0.93	<0.1	0.01	8.4	0.4	0.05	10	0.6	0.7
27200 88050	Soil	8	29	1.72	260	0.184	<1	2.32	0.021	0.26	0.1	<0.01	6.2	0.1	<0.05	10	<0.5	0.3
27200 88100	Soil	20	24	0.95	387	0.128	<1	2.31	0.010	0.41	<0.1	0.02	4.4	0.3	<0.05	8	<0.5	<0.2
27200 88150	Soil	17	23	0.71	285	0.027	<1	2.20	0.015	0.25	<0.1	0.01	5.2	0.1	0.11	7	<0.5	<0.2
27200 88200	Soil	11	16	0.80	157	0.169	1	1.72	0.011	0.37	<0.1	0.01	1.6	0.2	<0.05	8	<0.5	<0.2
27200 88250	Soil	15	17	0.69	164	0.143	<1	2.00	0.020	0.23	<0.1	<0.01	1.8	0.2	<0.05	5	<0.5	0.6
27200 88300	Soil	10	26	0.59	173	0.141	<1	1.71	0.017	0.25	<0.1	0.01	2.3	0.2	<0.05	7	<0.5	<0.2
27200 88350	Soil	9	43	1.81	454	0.318	<1	3.66	0.031	1.06	<0.1	0.01	5.9	0.6	<0.05	11	<0.5	<0.2
27200 88400	Soil	8	41	1.45	329	0.237	<1	2.71	0.023	0.73	0.1	<0.01	3.7	0.6	<0.05	8	<0.5	<0.2
27200 88450	Soil	6	10	1.46	561	0.289	<1	3.65	0.020	1.04	<0.1	0.02	4.7	0.6	<0.05	12	<0.5	0.2
27200 88500	Soil	3	20	1.27	209	0.331	<1	3.11	0.017	0.90	<0.1	0.01	3.4	0.7	<0.05	9	<0.5	<0.2
27900 88100	Soil	27	29	0.53	450	0.070	1	1.48	0.018	0.09	0.2	0.03	3.8	0.1	0.08	5	0.6	<0.2
27900 88150	Soil	38	34	0.51	545	0.055	1	1.57	0.015	0.10	0.1	0.06	4.0	0.1	0.13	5	<0.5	<0.2
27900 88250	Soil	35	38	0.52	448	0.061	2	1.61	0.016	0.10	0.1	0.05	4.3	<0.1	0.08	5	<0.5	<0.2
27900 88300	Soil	28	13	0.40	325	0.070	<1	1.60	0.009	0.49	<0.1	0.01	4.0	0.3	<0.05	7	<0.5	0.3
27900 88350	Soil	15	22	0.47	270	0.081	<1	1.81	0.009	0.37	0.1	0.01	3.0	0.2	<0.05	6	<0.5	<0.2
27900 88400	Soil	28	30	0.47	360	0.081	<1	1.27	0.010	0.14	0.1	<0.01	3.0	0.1	<0.05	4	<0.5	<0.2
27900 88450	Soil	26	31	0.48	330	0.058	<1	1.58	0.013	0.12	0.1	0.01	3.0	0.1	<0.05	5	<0.5	0.2
27900 88500	Soil	29	25	0.40	222	0.046	1	1.56	0.011	0.14	0.1	0.01	2.7	0.1	<0.05	5	<0.5	<0.2
27900 88550	Soil	12	11	0.51	213	0.071	<1	2.47	0.016	0.14	<0.1	<0.01	1.0	0.2	0.08	5	1.4	0.6
27900 88600	Soil	8	12	0.86	248	0.089	<1	2.15	0.012	0.08	<0.1	<0.01	1.2	<0.1	<0.05	5	<0.5	0.6
27900 88650	Soil	37	156	2.40	422	0.204	<1	3.39	0.015	0.28	0.1	<0.01	4.6	0.2	<0.05	10	<0.5	<0.2
27900 88700	Soil	10	9	0.75	184	0.091	<1	2.39	0.014	0.10	<0.1	<0.01	1.9	<0.1	<0.05	7	<0.5	<0.2
27900 88750	Soil	11	29	0.33	145	0.059	1	1.89	0.008	0.06	<0.1	0.01	2.4	0.1	<0.05	6	<0.5	<0.2
27900 88800	Soil	19	17	0.29	163	0.030	<1	1.66	0.007	0.12	0.2	<0.01	3.0	0.1	<0.05	6	<0.5	0.6



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
27900 88850	Soil	0.3	11.4	4.1	43	<0.1	9.3	6.0	267	2.83	2.4	1.0	0.5	17.0	10	<0.1	0.2	1.1	28	0.11
23100 87550	Soil	2.4	104.7	87.3	89	0.8	9.4	8.5	278	3.78	11.2	2.1	7.7	12.8	42	0.2	0.3	28.8	28	0.30
23100 87600	Soil	1.8	21.2	13.6	80	0.1	10.0	12.2	576	3.28	16.2	1.7	3.2	19.5	30	<0.1	0.2	0.1	27	0.35
23100 87650	Soil	1.5	36.4	17.0	69	0.1	28.3	11.8	463	3.31	28.7	1.5	3.5	15.8	27	<0.1	0.5	0.2	65	0.44
23100 87700	Soil	1.7	27.6	12.5	76	<0.1	24.3	11.6	280	3.35	12.8	1.1	0.9	6.1	25	<0.1	0.3	0.2	63	0.33
23100 87750	Soil	1.3	23.4	10.1	95	<0.1	14.7	10.0	430	2.79	15.3	1.3	<0.5	4.0	20	<0.1	0.2	0.1	51	0.38
23100 87800	Soil	0.2	23.3	3.0	33	<0.1	34.0	15.7	321	2.40	2.5	0.1	<0.5	0.8	19	<0.1	0.1	<0.1	61	0.59
23100 87850	Soil	0.5	35.3	6.2	80	<0.1	14.7	20.6	504	4.09	6.1	0.5	3.0	4.4	29	<0.1	0.2	0.1	109	0.67
23100 87900	Soil	1.0	20.2	7.5	62	<0.1	13.3	11.7	378	3.01	5.4	0.7	<0.5	4.1	25	<0.1	0.2	0.1	59	0.45
23100 87950	Soil	1.2	15.8	12.7	58	0.1	15.0	11.1	311	3.16	6.2	1.4	<0.5	10.3	22	<0.1	0.3	0.2	59	0.29
23100 88000	Soil	1.1	20.0	12.9	57	0.2	15.5	10.9	392	2.86	6.3	1.9	2.0	5.6	35	<0.1	0.3	0.2	52	0.60
23100 88100	Soil	2.9	26.0	78.0	181	0.5	14.0	13.8	700	3.28	35.6	4.5	4.3	12.0	44	1.1	0.3	0.4	35	0.53
23100 88150	Soil	4.4	27.7	31.9	244	0.3	15.0	12.6	672	3.51	21.4	4.5	2.2	13.8	44	1.2	0.2	0.3	37	0.41
23100 88200	Soil	1.5	16.4	10.2	87	<0.1	9.2	11.7	718	3.28	67.6	1.1	<0.5	6.1	33	0.1	0.1	0.1	45	0.47
23100 88250	Soil	1.8	17.0	12.3	70	<0.1	10.0	7.8	394	2.87	39.5	0.8	0.5	5.6	13	<0.1	0.3	0.2	42	0.30
23100 88300	Soil	1.5	13.2	12.6	54	<0.1	14.2	8.5	397	2.71	39.2	0.6	3.9	4.5	22	<0.1	0.3	0.1	44	0.39
23100 88350	Soil	1.0	9.6	10.1	69	<0.1	11.5	9.7	372	2.79	5.4	0.8	0.8	4.9	17	<0.1	0.1	0.1	42	0.36
23100 88400	Soil	1.3	12.7	8.7	72	<0.1	12.2	11.7	483	3.14	2.1	0.6	<0.5	2.6	20	<0.1	0.1	0.1	46	0.39
27700 88150	Soil	0.5	23.0	6.2	118	<0.1	18.6	27.5	479	4.64	2.6	0.5	3.5	3.4	28	<0.1	0.2	<0.1	93	0.40
27700 88200	Soil	0.3	32.3	11.5	118	<0.1	7.6	14.2	414	4.52	4.0	0.3	9.5	0.7	17	<0.1	0.2	<0.1	129	0.22
27700 88250	Soil	0.5	37.3	5.4	125	<0.1	9.4	21.2	612	4.87	4.0	0.2	<0.5	1.0	22	0.1	0.2	<0.1	125	0.40
27700 88300	Soil	0.5	31.2	6.7	90	<0.1	12.7	15.8	344	3.76	3.4	0.5	1.2	1.8	24	<0.1	0.2	<0.1	81	0.51
27700 88350	Soil	1.3	33.8	18.2	109	0.3	19.7	18.2	494	4.51	13.3	0.7	5.2	4.9	16	0.3	0.5	0.2	118	0.27
27700 88450	Soil	1.5	50.8	8.6	93	<0.1	10.5	8.1	548	4.26	7.7	0.6	11.8	5.1	14	0.2	0.4	0.4	66	0.22
27700 88500	Soil	2.3	37.6	15.1	118	0.1	22.7	8.4	363	3.27	18.8	1.0	0.9	7.4	18	0.3	0.7	0.4	62	0.17
27700 88550	Soil	1.8	34.2	18.5	299	<0.1	36.7	11.2	575	3.67	14.1	0.9	2.8	8.4	19	0.6	0.8	0.6	57	0.20
27700 88600	Soil	1.7	31.9	19.9	85	<0.1	17.4	10.3	504	3.12	10.9	0.9	2.1	6.4	13	0.2	1.2	0.5	45	0.17
27700 88650	Soil	0.9	81.4	6.6	63	0.2	14.3	8.6	330	2.17	4.3	0.2	<0.5	0.9	22	0.1	0.2	<0.1	46	0.35
27700 88700	Soil	1.0	161.9	10.5	74	0.1	41.9	13.5	397	3.04	6.4	0.8	3.1	4.4	45	0.2	0.3	0.2	70	0.46
27700 88800	Soil	2.0	24.8	7.9	62	<0.1	28.4	12.7	348	3.36	6.2	1.0	3.4	7.6	26	0.1	0.3	0.2	70	0.41



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
27900 88850	Soil	48	10	0.49	139	0.070	<1	1.64	0.009	0.27	0.1	<0.01	5.4	0.2	<0.05	6	<0.5	<0.2
23100 87550	Soil	35	12	0.50	179	0.081	1	1.20	0.018	0.24	<0.1	0.02	2.6	0.2	0.08	3	0.8	0.8
23100 87600	Soil	40	8	0.64	188	0.097	1	1.26	0.015	0.37	<0.1	0.01	2.5	0.3	<0.05	3	<0.5	<0.2
23100 87650	Soil	41	33	0.63	258	0.067	<1	1.73	0.015	0.12	<0.1	0.03	5.8	0.1	<0.05	5	<0.5	0.2
23100 87700	Soil	11	25	0.80	178	0.087	1	1.89	0.009	0.20	<0.1	<0.01	3.2	0.1	<0.05	5	<0.5	<0.2
23100 87750	Soil	12	17	0.71	171	0.115	<1	1.57	0.009	0.47	<0.1	<0.01	2.4	0.2	<0.05	4	0.5	0.2
23100 87800	Soil	2	125	1.42	159	0.098	<1	1.80	0.022	0.32	<0.1	<0.01	3.5	<0.1	<0.05	4	<0.5	0.2
23100 87850	Soil	11	19	1.80	330	0.240	<1	2.68	0.022	0.78	0.1	<0.01	3.9	0.1	<0.05	7	<0.5	<0.2
23100 87900	Soil	11	24	0.81	220	0.143	<1	1.91	0.015	0.38	0.2	<0.01	2.8	0.2	<0.05	7	<0.5	<0.2
23100 87950	Soil	25	28	0.56	270	0.098	1	2.05	0.014	0.20	<0.1	0.01	2.8	0.1	<0.05	6	<0.5	0.3
23100 88000	Soil	21	25	0.50	501	0.077	1	1.72	0.018	0.11	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
23100 88100	Soil	39	17	0.50	350	0.053	1	1.72	0.016	0.18	<0.1	0.03	3.7	0.2	0.07	4	0.6	0.2
23100 88150	Soil	35	16	0.64	230	0.094	2	1.45	0.021	0.28	0.1	0.02	3.2	0.3	0.09	4	0.8	0.9
23100 88200	Soil	15	11	1.24	266	0.182	<1	1.91	0.012	0.73	0.1	<0.01	2.0	0.5	<0.05	4	<0.5	0.3
23100 88250	Soil	11	14	0.66	254	0.066	2	1.64	0.009	0.27	0.1	<0.01	2.7	0.2	<0.05	6	<0.5	<0.2
23100 88300	Soil	13	21	0.40	311	0.043	<1	1.53	0.010	0.19	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
23100 88350	Soil	15	14	1.05	186	0.103	<1	2.00	0.009	0.38	0.1	0.01	2.5	0.2	<0.05	6	<0.5	<0.2
23100 88400	Soil	8	11	1.10	221	0.091	<1	2.19	0.006	0.54	<0.1	<0.01	2.3	0.2	<0.05	6	<0.5	<0.2
27700 88150	Soil	10	21	1.93	362	0.145	<1	3.01	0.013	0.39	<0.1	<0.01	6.2	0.3	<0.05	10	<0.5	<0.2
27700 88200	Soil	2	18	1.07	278	0.290	<1	2.59	0.012	1.07	0.1	<0.01	4.2	0.5	<0.05	8	<0.5	<0.2
27700 88250	Soil	3	16	1.71	316	0.270	<1	3.02	0.015	0.98	0.1	<0.01	4.3	0.4	<0.05	11	<0.5	<0.2
27700 88300	Soil	7	15	1.03	282	0.230	<1	2.40	0.015	0.63	0.1	<0.01	2.7	0.4	<0.05	6	<0.5	<0.2
27700 88350	Soil	12	43	1.10	305	0.148	<1	2.61	0.012	0.55	0.1	<0.01	6.2	0.4	<0.05	9	<0.5	0.5
27700 88450	Soil	16	14	0.90	406	0.224	<1	2.45	0.009	0.84	0.2	<0.01	3.7	0.9	<0.05	8	<0.5	<0.2
27700 88500	Soil	23	34	0.47	354	0.053	<1	2.10	0.011	0.13	0.1	<0.01	3.4	0.1	<0.05	6	<0.5	<0.2
27700 88550	Soil	17	44	0.56	267	0.068	<1	2.12	0.012	0.19	0.1	0.02	3.5	0.2	<0.05	6	<0.5	<0.2
27700 88600	Soil	20	29	0.33	215	0.029	1	1.49	0.011	0.12	0.1	0.01	3.2	0.1	<0.05	4	<0.5	<0.2
27700 88650	Soil	3	17	0.98	128	0.119	<1	2.16	0.015	0.17	0.1	0.01	1.1	0.1	<0.05	5	<0.5	0.4
27700 88700	Soil	17	59	1.07	274	0.134	<1	2.29	0.019	0.10	0.2	<0.01	2.9	<0.1	<0.05	7	<0.5	0.2
27700 88800	Soil	20	47	0.75	335	0.127	1	2.21	0.014	0.19	0.1	0.02	4.1	0.1	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
27700 88850	Soil	1.5	19.2	9.0	48	<0.1	19.7	7.9	317	2.90	8.8	1.1	5.7	7.6	21	<0.1	0.4	0.2	61	0.22	0.028
27800 88100	Soil	2.2	34.5	7.8	65	0.1	19.9	10.6	271	2.00	8.4	9.3	6.8	4.5	47	0.3	0.5	0.2	48	0.60	0.080
27800 88150	Soil	0.3	38.0	3.7	85	<0.1	10.0	19.1	310	3.93	3.8	0.3	0.9	1.3	21	<0.1	0.3	<0.1	97	0.43	0.069
27800 88200	Soil	0.6	28.4	4.7	94	<0.1	11.1	14.8	484	4.62	4.4	0.3	1.1	1.3	19	0.1	0.3	<0.1	96	0.34	0.083
27800 88250	Soil	1.0	33.2	13.7	92	0.1	19.0	15.9	527	4.40	6.5	0.9	5.3	3.1	30	0.1	0.4	0.2	91	0.46	0.072
27800 88300	Soil	1.5	103.3	15.7	169	0.2	10.1	10.6	232	3.67	7.7	0.7	4.7	4.0	16	0.4	0.3	0.8	74	0.27	0.065
27800 88350	Soil	0.5	66.5	6.2	66	0.1	11.5	7.2	280	3.31	2.9	0.6	3.4	6.8	11	0.1	0.2	0.3	39	0.18	0.058
27800 88400	Soil	0.9	44.2	9.9	81	<0.1	16.6	8.9	371	3.16	7.0	1.2	7.3	11.1	16	0.2	0.5	0.3	50	0.16	0.027
27800 88450	Soil	1.1	43.7	4.8	88	<0.1	7.8	7.5	635	4.41	3.3	1.8	3.6	11.9	10	0.1	0.3	0.4	39	0.14	0.049
27800 88550	Soil	1.8	40.4	11.8	80	0.1	24.7	9.1	304	3.14	19.1	0.8	7.7	5.3	17	0.3	0.9	0.6	61	0.18	0.028
27800 88600	Soil	2.1	178.5	19.5	497	0.2	42.4	15.6	799	4.36	10.6	1.0	5.1	5.1	28	1.4	0.8	0.7	78	0.45	0.081
27800 88650	Soil	3.5	573.3	46.7	1337	0.2	49.8	29.9	1854	6.20	8.4	2.2	16.6	8.9	27	2.1	0.4	1.6	87	0.58	0.075
27800 88700	Soil	1.8	21.0	5.6	74	<0.1	36.7	17.8	457	4.48	5.6	1.0	1.2	6.4	42	<0.1	0.3	0.2	82	0.88	0.236
27800 88750	Soil	1.2	21.9	8.1	53	<0.1	20.3	8.4	329	2.74	8.5	0.7	3.8	7.9	23	<0.1	0.5	0.2	57	0.28	0.023
27800 88800	Soil	1.0	18.0	9.2	49	<0.1	21.9	7.9	331	2.85	8.7	0.7	4.3	6.6	24	0.1	0.4	0.1	63	0.28	0.030
27800 88850	Soil	0.8	18.2	7.6	78	<0.1	14.0	6.7	289	2.80	4.5	0.7	4.7	9.3	19	<0.1	0.3	<0.1	39	0.12	0.016
21900 88200	Soil	0.7	16.4	10.6	48	<0.1	8.4	7.7	233	2.13	4.2	1.4	<0.5	22.1	12	<0.1	0.2	0.1	25	0.21	0.066
21900 88250	Soil	0.8	21.6	12.6	84	<0.1	14.6	12.1	515	3.30	10.4	1.7	<0.5	24.5	25	<0.1	0.2	0.2	41	0.46	0.084
21900 88300	Soil	0.9	27.2	15.2	64	0.2	16.8	10.0	539	2.61	18.6	1.2	1.1	17.0	34	0.2	0.4	0.2	38	0.99	0.060
21900 88350	Soil	1.5	73.6	18.3	95	0.2	32.3	21.5	1395	5.05	66.5	1.2	6.5	3.6	68	0.2	2.3	0.2	77	2.21	0.143
21900 88400	Soil	0.2	51.9	4.5	94	0.1	15.0	25.5	603	5.24	2.6	0.3	3.1	1.4	41	0.1	<0.1	<0.1	157	1.44	0.211
28100 88150	Soil	1.0	31.4	7.9	168	<0.1	11.8	7.5	560	3.03	6.5	0.8	6.7	9.1	15	0.4	0.4	0.4	43	0.17	0.028
28100 88200	Soil	0.9	26.5	24.5	318	<0.1	11.6	9.5	805	3.41	3.1	1.0	1.2	9.3	17	0.3	0.2	0.6	46	0.37	0.110
28100 88250	Soil	0.8	43.7	25.9	166	<0.1	6.8	7.5	317	3.58	3.3	0.7	1.2	8.0	12	0.3	0.4	0.4	36	0.20	0.066
28100 88300	Soil	0.8	71.3	16.9	180	<0.1	9.5	8.1	363	3.88	4.7	0.6	1.1	7.4	16	0.3	0.4	0.7	46	0.23	0.078
28100 88350	Soil	1.2	76.8	5.9	87	<0.1	16.2	9.0	416	3.26	5.8	1.2	4.2	4.8	36	0.1	0.2	0.2	54	0.54	0.092
28100 88400	Soil	2.3	121.6	4.2	96	<0.1	9.1	8.3	394	3.94	3.5	0.6	3.0	2.9	20	0.1	0.3	0.4	41	0.42	0.138
28100 88450	Soil	1.1	15.4	8.8	203	<0.1	20.4	10.3	375	4.26	6.4	0.6	1.5	2.3	28	0.2	0.3	0.1	69	0.55	0.177
28100 88500	Soil	0.8	23.6	8.6	55	<0.1	36.2	10.3	274	2.69	4.6	1.6	6.6	9.9	59	<0.1	0.3	0.1	58	0.48	0.105
28100 88550	Soil	1.5	31.7	10.4	64	0.1	23.6	12.1	538	3.35	5.4	2.7	7.7	13.2	25	0.2	0.4	0.1	61	0.31	0.053



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
27700 88850	Soil	23	33	0.52	333	0.066	2	1.88	0.010	0.06	0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
27800 88100	Soil	17	26	0.54	260	0.075	2	1.26	0.022	0.11	0.2	0.03	3.6	<0.1	0.10	4	0.7	<0.2
27800 88150	Soil	6	17	1.32	264	0.171	<1	2.55	0.024	0.32	<0.1	0.01	5.1	0.2	<0.05	8	<0.5	<0.2
27800 88200	Soil	5	17	1.28	287	0.207	1	2.67	0.012	0.56	0.2	0.01	3.6	0.3	<0.05	9	<0.5	<0.2
27800 88250	Soil	16	36	1.30	286	0.155	1	2.63	0.021	0.36	0.1	0.02	6.0	0.3	<0.05	8	<0.5	<0.2
27800 88300	Soil	12	16	0.89	310	0.157	<1	2.44	0.015	0.45	0.1	0.01	3.3	0.4	<0.05	8	<0.5	0.4
27800 88350	Soil	20	20	0.62	234	0.081	<1	1.73	0.008	0.35	<0.1	<0.01	2.7	0.3	<0.05	6	<0.5	<0.2
27800 88400	Soil	26	24	0.55	206	0.087	1	1.94	0.015	0.23	0.1	0.02	4.0	0.2	<0.05	7	<0.5	<0.2
27800 88450	Soil	29	12	0.56	297	0.170	2	1.98	0.011	0.78	0.3	0.01	4.8	0.6	<0.05	8	<0.5	<0.2
27800 88550	Soil	15	34	0.51	222	0.051	<1	2.12	0.010	0.10	0.1	0.03	3.3	0.1	<0.05	6	<0.5	<0.2
27800 88600	Soil	21	56	1.10	398	0.129	2	2.21	0.014	0.38	0.2	0.02	5.6	0.3	<0.05	7	<0.5	0.3
27800 88650	Soil	36	55	1.47	427	0.117	1	3.30	0.015	0.07	0.2	0.03	11.8	0.1	<0.05	10	0.6	<0.2
27800 88700	Soil	20	51	1.14	543	0.199	1	2.66	0.020	0.37	0.2	0.02	4.5	0.3	<0.05	9	<0.5	<0.2
27800 88750	Soil	19	33	0.55	261	0.073	2	1.81	0.012	0.07	0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
27800 88800	Soil	20	35	0.56	268	0.069	1	1.99	0.012	0.09	0.1	0.02	3.4	<0.1	<0.05	6	<0.5	0.3
27800 88850	Soil	14	21	0.44	197	0.080	1	1.82	0.009	0.18	<0.1	0.01	3.7	0.1	<0.05	6	<0.5	<0.2
21900 88200	Soil	57	11	0.42	126	0.068	1	1.08	0.006	0.34	<0.1	<0.01	1.4	0.2	<0.05	4	<0.5	<0.2
21900 88250	Soil	36	17	0.73	175	0.161	2	1.76	0.010	0.74	<0.1	<0.01	2.2	0.5	<0.05	6	<0.5	<0.2
21900 88300	Soil	25	17	0.56	315	0.088	3	1.40	0.016	0.37	0.1	0.01	3.2	0.2	<0.05	4	<0.5	<0.2
21900 88350	Soil	15	18	0.78	797	0.046	3	1.51	0.021	0.25	0.2	0.03	9.6	0.1	0.06	4	1.0	<0.2
21900 88400	Soil	6	20	2.82	528	0.328	1	4.31	0.090	0.97	<0.1	<0.01	4.8	0.2	<0.05	10	<0.5	<0.2
28100 88150	Soil	13	19	0.51	193	0.088	1	1.79	0.014	0.27	0.1	0.01	3.1	0.2	<0.05	6	<0.5	<0.2
28100 88200	Soil	21	36	0.99	233	0.171	2	2.24	0.012	0.59	0.2	0.01	3.7	0.6	<0.05	7	<0.5	<0.2
28100 88250	Soil	17	15	0.52	167	0.058	<1	1.98	0.010	0.35	<0.1	<0.01	2.5	0.2	<0.05	7	<0.5	<0.2
28100 88300	Soil	17	17	0.59	218	0.083	<1	2.27	0.011	0.38	<0.1	<0.01	2.7	0.2	<0.05	8	<0.5	<0.2
28100 88350	Soil	17	27	0.75	325	0.120	1	2.11	0.016	0.21	0.1	0.01	2.5	0.2	<0.05	6	<0.5	0.2
28100 88400	Soil	13	11	0.81	269	0.066	<1	2.28	0.008	0.34	0.1	<0.01	2.1	0.2	<0.05	7	<0.5	<0.2
28100 88450	Soil	8	47	1.27	295	0.168	<1	2.94	0.011	0.21	0.1	0.01	2.4	0.1	<0.05	15	<0.5	<0.2
28100 88500	Soil	53	51	0.87	576	0.149	2	1.84	0.014	0.09	0.1	0.02	3.7	<0.1	<0.05	7	<0.5	<0.2
28100 88550	Soil	89	62	0.68	458	0.095	1	2.44	0.012	0.16	0.1	0.02	5.4	0.2	<0.05	8	0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
28100 88600	Soil	0.8	22.1	5.7	44	<0.1	11.0	6.6	236	2.36	3.9	0.8	10.9	6.4	20	<0.1	0.4	<0.1	45	0.25	0.045
28100 88650	Soil	1.3	24.5	8.4	61	<0.1	19.5	8.4	372	2.89	5.2	0.8	4.6	7.7	24	0.1	0.4	0.1	59	0.29	0.056
28100 88700	Soil	1.1	19.7	7.1	50	<0.1	18.4	10.4	354	2.61	6.3	1.2	6.2	8.9	28	0.1	0.4	0.1	50	0.35	0.064
28200 88100	Soil	1.1	22.8	9.1	72	0.3	15.7	9.9	262	2.68	6.3	1.2	8.9	3.2	28	0.3	0.3	0.2	58	0.40	0.082
28200 88200	Soil	1.6	34.9	30.3	164	0.2	7.1	7.2	770	3.81	3.9	1.1	<0.5	12.0	13	0.4	0.3	0.6	37	0.16	0.044
28200 88250	Soil	0.6	67.3	8.0	151	<0.1	14.7	11.0	403	3.86	6.7	0.5	1.8	2.4	23	0.2	0.4	0.2	71	0.39	0.087
28200 88300	Soil	0.4	21.7	14.8	158	<0.1	8.6	9.3	577	3.65	2.4	0.6	1.0	2.4	54	0.1	0.3	0.2	33	0.51	0.071
28200 88350	Soil	0.7	56.2	11.9	87	<0.1	53.1	17.5	675	4.11	3.2	2.2	2.0	8.2	53	0.1	0.2	0.2	101	0.73	0.132
28200 88400	Soil	0.5	55.7	5.1	76	<0.1	36.8	18.2	262	3.26	2.1	1.4	2.2	9.7	68	<0.1	0.2	<0.1	59	1.25	0.414
28200 88450	Soil	1.1	14.1	9.3	47	<0.1	14.8	6.8	343	2.39	4.1	0.8	9.3	10.7	18	<0.1	0.3	0.1	39	0.20	0.030
28200 88600	Soil	1.3	20.6	10.7	53	<0.1	19.1	8.9	262	3.23	9.3	0.7	4.1	7.2	17	<0.1	0.5	0.2	65	0.15	0.028
28200 88700	Soil	1.0	17.4	8.6	53	<0.1	15.0	7.1	233	2.70	5.5	0.9	3.9	7.9	24	<0.1	0.3	0.1	52	0.27	0.047
28000 88100	Soil	2.8	146.6	26.3	212	0.6	58.0	15.9	378	4.08	5.4	2.3	9.3	9.4	140	0.8	0.3	0.6	98	1.08	0.193
28000 88350	Soil	1.4	43.1	24.5	177	<0.1	12.4	8.0	406	3.25	3.1	1.2	12.4	8.4	24	0.3	0.3	0.3	46	0.37	0.070
28000 88400	Soil	1.3	37.1	13.5	107	<0.1	12.9	8.2	276	3.18	5.6	0.6	3.9	3.9	24	0.2	0.3	0.2	63	0.25	0.090
28000 88700	Soil	0.8	25.4	9.1	52	<0.1	26.4	9.8	315	2.87	7.1	2.2	28.5	8.3	31	<0.1	0.4	0.1	57	0.32	0.039
28000 88750	Soil	1.2	25.7	11.6	75	<0.1	23.6	13.1	412	3.71	5.3	1.0	100.0	10.1	22	0.1	0.5	0.2	60	0.22	0.040
28000 88800	Soil	1.1	20.7	9.0	72	<0.1	19.2	8.9	408	3.60	7.4	0.7	2.9	12.2	20	0.1	0.4	0.1	55	0.17	0.047
24100 88450	Soil	0.4	4.7	7.0	31	<0.1	2.6	2.1	280	1.18	1.0	0.3	1.6	0.8	17	<0.1	<0.1	<0.1	11	0.33	0.032
24100 88600	Soil	0.5	54.2	3.9	95	<0.1	35.1	24.3	577	4.78	10.1	0.7	1.1	1.3	44	<0.1	<0.1	<0.1	87	0.88	0.060
24100 88650	Soil	0.6	44.9	6.1	117	<0.1	8.6	20.6	1015	5.61	1.1	1.0	26.3	3.3	34	<0.1	0.1	<0.1	122	0.90	0.151
24100 88700	Soil	1.1	56.4	7.9	133	<0.1	53.1	33.0	1111	6.13	0.8	1.0	1.9	3.1	25	<0.1	<0.1	0.1	121	0.73	0.165
24100 88750	Soil	0.7	30.2	7.5	81	0.1	17.1	10.9	411	3.16	2.9	0.5	1.0	2.5	21	0.1	0.2	<0.1	78	0.55	0.085
24100 88800	Soil	0.7	44.2	9.0	99	<0.1	11.7	12.8	627	3.62	1.7	0.8	3.2	3.6	17	0.3	0.1	<0.1	81	0.78	0.162
24100 89000	Soil	1.6	35.7	10.8	85	0.2	29.6	14.4	642	3.91	5.3	1.5	33.3	4.9	36	<0.1	1.0	0.1	87	0.65	0.063
24100 89050	Soil	2.2	32.8	9.4	137	0.3	30.1	13.0	801	4.69	2.3	2.0	19.0	5.8	30	0.3	0.4	<0.1	62	0.59	0.092
24100 89150	Soil	1.0	91.1	3.7	113	<0.1	10.3	16.6	474	4.23	3.7	0.4	28.3	3.1	8	<0.1	0.1	<0.1	89	0.23	0.053
24100 89200	Soil	0.3	8.8	6.3	111	<0.1	8.8	16.3	1059	5.23	1.0	0.5	39.3	3.3	28	<0.1	0.2	<0.1	98	0.62	0.116
24200 88600	Soil	0.5	22.6	7.1	93	<0.1	10.2	10.6	558	3.39	6.0	0.7	1.6	3.4	20	<0.1	0.1	<0.1	60	0.48	0.067
24200 88650	Soil	0.6	32.2	7.6	127	<0.1	36.1	16.3	728	4.95	3.3	1.0	1.9	4.4	42	0.1	0.2	<0.1	87	0.87	0.155



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
28100 88600	Soil	24	21	0.43	209	0.077	1	1.40	0.010	0.13	0.2	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
28100 88650	Soil	30	34	0.57	300	0.091	1	1.77	0.012	0.16	0.2	0.02	3.0	0.1	<0.05	7	<0.5	<0.2
28100 88700	Soil	26	31	0.50	256	0.077	2	1.61	0.018	0.08	0.2	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
28200 88100	Soil	16	25	0.58	202	0.091	1	1.91	0.015	0.09	0.1	0.04	3.9	<0.1	<0.05	6	<0.5	<0.2
28200 88200	Soil	14	11	0.54	194	0.048	<1	2.14	0.008	0.35	0.1	0.01	3.1	0.2	<0.05	8	<0.5	<0.2
28200 88250	Soil	7	20	1.16	215	0.201	1	2.76	0.013	0.45	0.2	<0.01	2.0	0.3	<0.05	7	<0.5	<0.2
28200 88300	Soil	9	11	1.21	184	0.106	<1	2.39	0.009	0.09	<0.1	<0.01	2.0	<0.1	<0.05	8	<0.5	<0.2
28200 88350	Soil	18	102	1.88	159	0.157	1	2.28	0.009	0.07	0.3	<0.01	6.6	<0.1	<0.05	9	0.5	<0.2
28200 88400	Soil	39	26	0.79	415	0.088	<1	2.27	0.013	0.17	0.1	<0.01	3.7	0.2	<0.05	7	<0.5	<0.2
28200 88450	Soil	38	25	0.41	363	0.070	1	1.34	0.013	0.11	0.1	<0.01	3.4	0.1	<0.05	5	<0.5	<0.2
28200 88600	Soil	23	34	0.53	256	0.085	2	2.02	0.012	0.08	0.1	0.01	3.4	<0.1	<0.05	7	<0.5	<0.2
28200 88700	Soil	33	26	0.52	308	0.094	1	1.69	0.011	0.14	<0.1	0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
28000 88100	Soil	50	66	1.57	364	0.206	1	2.74	0.043	0.37	<0.1	0.01	5.3	0.6	<0.05	9	0.6	0.5
28000 88350	Soil	22	20	0.58	385	0.125	<1	1.78	0.014	0.29	0.1	0.01	3.8	0.2	<0.05	7	<0.5	<0.2
28000 88400	Soil	12	22	0.61	241	0.139	1	2.13	0.014	0.20	0.2	<0.01	2.4	0.2	<0.05	7	<0.5	<0.2
28000 88700	Soil	25	36	0.58	308	0.085	<1	1.73	0.014	0.08	0.1	0.03	5.3	<0.1	<0.05	6	<0.5	<0.2
28000 88750	Soil	22	38	0.68	217	0.063	1	2.39	0.014	0.14	0.1	<0.01	5.0	0.1	<0.05	7	<0.5	<0.2
28000 88800	Soil	23	25	0.64	256	0.152	1	2.29	0.011	0.37	<0.1	0.02	4.4	0.2	<0.05	9	<0.5	<0.2
24100 88450	Soil	3	4	0.27	174	0.004	<1	0.83	0.011	0.14	<0.1	<0.01	2.7	<0.1	<0.05	2	<0.5	<0.2
24100 88600	Soil	8	99	1.60	214	0.272	<1	2.82	0.023	0.37	<0.1	<0.01	6.7	0.2	<0.05	7	<0.5	<0.2
24100 88650	Soil	19	16	1.36	447	0.206	<1	2.71	0.031	0.20	0.1	<0.01	11.0	<0.1	<0.05	12	0.5	<0.2
24100 88700	Soil	26	70	2.02	428	0.047	<1	2.98	0.019	0.32	<0.1	<0.01	10.4	0.1	<0.05	14	<0.5	0.4
24100 88750	Soil	11	32	1.05	235	0.185	1	1.80	0.028	0.34	<0.1	0.01	5.2	0.1	<0.05	8	<0.5	0.3
24100 88800	Soil	13	21	0.87	342	0.154	<1	1.72	0.043	0.37	<0.1	<0.01	7.8	<0.1	<0.05	9	<0.5	<0.2
24100 89000	Soil	19	54	1.03	436	0.128	2	2.22	0.020	0.12	0.3	0.03	10.5	0.1	<0.05	7	<0.5	<0.2
24100 89050	Soil	20	23	0.56	470	0.048	3	1.45	0.015	0.33	<0.1	0.02	12.5	0.2	<0.05	5	0.6	<0.2
24100 89150	Soil	7	18	1.43	163	0.231	<1	2.66	0.020	0.46	0.1	<0.01	6.4	0.2	<0.05	9	<0.5	<0.2
24100 89200	Soil	13	14	1.48	454	0.219	<1	2.94	0.013	0.76	<0.1	<0.01	10.6	0.3	<0.05	11	<0.5	<0.2
24200 88600	Soil	11	17	0.71	157	0.143	<1	1.86	0.017	0.37	<0.1	<0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
24200 88650	Soil	21	51	1.40	314	0.152	1	2.51	0.031	0.17	<0.1	0.01	11.7	<0.1	<0.05	11	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
24200 88700	Soil	0.5	16.9	5.0	97	<0.1	9.2	11.5	890	4.04	0.7	0.8	1.5	5.9	18	0.2	<0.1	<0.1	59	0.45	0.097
24200 88750	Soil	0.9	23.9	9.4	67	<0.1	20.2	12.6	815	3.25	6.4	1.3	5.7	6.4	27	0.1	0.3	0.1	69	0.41	0.052
24200 88800	Soil	0.8	16.6	7.5	71	<0.1	14.0	7.7	486	2.87	3.9	0.9	1.7	5.4	20	0.1	0.3	0.1	52	0.30	0.038
24200 88850	Soil	1.1	16.6	7.8	75	<0.1	11.9	9.7	480	3.40	5.1	0.8	4.5	7.6	15	<0.1	0.2	0.1	49	0.24	0.048
24200 88900	Soil	1.3	17.8	11.8	83	<0.1	10.9	13.4	887	4.12	3.8	0.6	1.3	5.8	16	<0.1	0.2	0.1	74	0.23	0.062
24200 88950	Soil	1.2	20.6	10.4	92	0.1	16.1	11.0	680	3.86	3.1	0.9	6.8	6.5	24	0.1	0.2	0.2	64	0.37	0.063
24200 89100	Soil	1.3	11.2	6.5	80	<0.1	15.9	9.6	537	3.23	3.4	1.0	5.1	6.4	20	<0.1	0.3	0.1	42	0.35	0.038
24200 89150	Soil	2.5	33.2	12.5	91	<0.1	34.6	17.2	580	4.10	5.3	1.1	68.8	5.8	35	0.1	0.5	0.3	92	0.50	0.068
24200 89200	Soil	1.0	44.8	9.9	67	<0.1	30.5	12.0	412	3.21	8.0	0.9	5.3	4.4	30	<0.1	0.5	0.1	76	0.41	0.029
28300 88050	Soil	0.9	24.1	9.0	81	0.1	14.2	12.9	473	3.39	5.4	0.7	6.1	3.7	25	0.2	0.3	0.1	70	0.37	0.073
28300 88100	Soil	1.1	21.4	10.4	72	0.2	11.6	8.5	305	2.91	5.1	0.7	4.3	2.1	25	0.1	0.2	0.2	65	0.37	0.081
28300 88150	Soil	1.0	14.8	9.1	65	0.1	13.1	10.3	358	2.79	5.8	0.6	5.3	3.2	23	<0.1	0.2	0.2	57	0.35	0.074
28300 88200	Soil	1.6	27.5	7.7	99	<0.1	16.3	12.1	573	3.46	7.3	0.7	2.7	4.8	19	0.2	0.3	0.2	60	0.36	0.093
28300 88300	Soil	1.9	31.8	8.1	86	0.1	30.1	16.0	349	4.91	6.0	1.9	1.5	9.9	52	0.1	0.2	0.2	86	0.83	0.248
28300 88350	Soil	1.0	15.6	8.7	49	<0.1	21.6	8.3	201	2.87	6.1	1.0	2.6	11.2	19	<0.1	0.3	0.1	42	0.19	0.035
28300 88400	Soil	1.5	12.1	13.7	47	0.2	13.2	6.7	404	2.23	5.0	0.5	5.9	3.8	14	0.2	0.3	0.2	46	0.14	0.053
24500 88450	Soil	0.8	22.3	9.1	64	<0.1	21.6	10.8	428	3.46	8.8	0.9	2.5	4.4	21	<0.1	0.5	0.1	66	0.23	0.029
28300 88500	Soil	1.7	13.2	11.9	46	<0.1	14.9	7.3	358	2.50	6.1	0.6	6.1	7.7	19	0.1	0.5	0.1	47	0.19	0.031
24500 88500	Soil	0.8	27.9	6.9	114	<0.1	20.6	18.1	975	4.90	6.0	0.9	1.9	4.2	22	<0.1	0.3	<0.1	134	0.29	0.037
24500 88550	Soil	1.1	42.4	8.7	69	0.2	43.6	17.8	634	4.32	6.1	0.8	1.5	3.8	26	0.2	0.3	0.1	96	0.35	0.049
24500 88600	Soil	0.9	25.3	6.9	115	<0.1	16.8	19.2	1049	5.78	5.6	0.3	<0.5	2.0	23	0.1	0.2	<0.1	155	0.40	0.120
24500 88650	Soil	0.5	27.5	5.2	113	<0.1	12.9	11.6	952	4.79	3.3	0.5	<0.5	3.6	19	<0.1	0.2	<0.1	75	0.35	0.051
24500 88700	Soil	1.2	46.6	14.6	96	<0.1	19.3	14.1	968	3.86	6.4	0.6	<0.5	3.4	18	0.2	0.3	<0.1	85	0.48	0.130
24500 88750	Soil	1.1	24.9	15.4	93	0.2	29.2	16.6	1358	3.91	8.9	0.4	0.7	2.1	35	0.4	0.4	0.1	82	0.54	0.069
24500 88800	Soil	1.5	16.8	9.3	102	<0.1	20.9	12.9	591	4.83	8.9	0.8	0.9	3.6	13	<0.1	0.4	0.1	82	0.17	0.044
24500 88850	Soil	1.7	15.0	13.5	131	0.2	11.1	9.9	1367	3.51	5.2	0.5	0.9	2.2	39	0.3	0.3	0.4	69	0.67	0.114
24500 88900	Soil	1.0	14.0	8.7	90	<0.1	12.8	8.4	599	3.38	5.2	0.8	<0.5	4.6	14	0.1	0.3	0.2	53	0.16	0.037
24500 88950	Soil	1.1	20.5	9.3	82	0.2	22.4	16.7	543	4.14	8.4	0.3	1.3	1.7	19	0.1	0.4	0.1	93	0.24	0.083
24500 89000	Soil	0.9	29.2	7.2	86	<0.1	23.4	15.5	415	3.90	8.2	0.5	<0.5	3.0	12	0.2	0.4	0.1	84	0.18	0.044
24500 89050	Soil	1.0	11.7	8.0	73	<0.1	12.3	8.2	251	2.62	6.1	0.7	0.9	3.9	18	<0.1	0.3	0.1	42	0.11	0.019



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
24200 88700	Soil	22	12	0.98	436	0.078	<1	2.11	0.014	0.43	<0.1	<0.01	5.8	0.1	<0.05	8	<0.5	<0.2
24200 88750	Soil	29	42	0.78	269	0.136	2	1.91	0.019	0.11	0.1	0.02	6.1	0.1	<0.05	7	0.7	<0.2
24200 88800	Soil	19	26	0.60	252	0.091	1	1.62	0.015	0.16	<0.1	0.01	4.2	0.1	<0.05	6	<0.5	<0.2
24200 88850	Soil	22	21	0.56	189	0.057	1	1.64	0.012	0.17	<0.1	<0.01	4.1	<0.1	<0.05	7	<0.5	<0.2
24200 88900	Soil	19	22	0.87	292	0.131	<1	2.12	0.011	0.48	<0.1	<0.01	5.0	0.2	<0.05	9	<0.5	<0.2
24200 88950	Soil	17	30	0.82	406	0.142	1	2.11	0.016	0.58	0.1	<0.01	6.1	0.2	<0.05	7	<0.5	<0.2
24200 89100	Soil	18	22	0.52	451	0.038	2	1.67	0.010	0.16	<0.1	<0.01	5.7	0.1	<0.05	5	<0.5	<0.2
24200 89150	Soil	23	58	0.95	383	0.058	2	2.68	0.018	0.07	<0.1	0.01	12.1	0.1	<0.05	9	<0.5	<0.2
24200 89200	Soil	15	46	0.82	406	0.127	1	2.12	0.021	0.08	<0.1	0.02	8.1	<0.1	<0.05	7	<0.5	<0.2
28300 88050	Soil	12	25	0.76	173	0.135	1	1.90	0.022	0.12	0.1	0.01	4.8	0.1	<0.05	7	<0.5	<0.2
28300 88100	Soil	11	21	0.66	169	0.109	1	1.62	0.020	0.13	<0.1	0.03	4.5	0.1	<0.05	6	<0.5	<0.2
28300 88150	Soil	10	24	0.54	115	0.114	1	1.72	0.017	0.09	0.2	<0.01	3.1	0.1	<0.05	6	<0.5	<0.2
28300 88200	Soil	12	25	0.76	165	0.129	1	1.96	0.010	0.24	0.2	0.01	3.0	0.2	0.05	6	<0.5	<0.2
28300 88300	Soil	21	48	1.10	425	0.169	2	2.92	0.031	0.35	<0.1	0.01	4.6	0.2	0.08	9	<0.5	<0.2
28300 88350	Soil	25	36	0.45	307	0.032	2	1.94	0.007	0.14	0.1	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
28300 88400	Soil	21	28	0.34	229	0.051	2	1.35	0.010	0.09	0.1	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
24500 88450	Soil	15	34	0.79	283	0.082	2	2.28	0.013	0.11	0.1	0.03	8.0	<0.1	<0.05	6	<0.5	<0.2
28300 88500	Soil	30	25	0.33	335	0.055	2	1.44	0.009	0.09	0.1	0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
24500 88500	Soil	17	32	1.66	483	0.146	2	2.84	0.014	0.35	<0.1	0.03	15.8	0.2	<0.05	10	<0.5	<0.2
24500 88550	Soil	22	69	1.17	300	0.051	2	2.77	0.013	0.05	<0.1	0.03	10.4	<0.1	<0.05	9	<0.5	<0.2
24500 88600	Soil	6	45	2.05	301	0.234	1	3.25	0.019	0.16	0.1	0.01	8.8	<0.1	<0.05	13	<0.5	<0.2
24500 88650	Soil	17	24	1.30	342	0.266	1	2.80	0.013	0.50	0.1	<0.01	10.0	0.2	<0.05	11	<0.5	<0.2
24500 88700	Soil	11	30	1.13	264	0.083	2	2.13	0.019	0.11	<0.1	0.01	7.7	<0.1	<0.05	8	<0.5	<0.2
24500 88750	Soil	6	57	1.14	441	0.066	2	2.58	0.014	0.17	0.1	0.01	5.2	<0.1	<0.05	8	<0.5	<0.2
24500 88800	Soil	13	35	1.00	424	0.100	1	2.78	0.012	0.32	<0.1	0.02	8.5	0.2	<0.05	8	<0.5	<0.2
24500 88850	Soil	6	22	0.95	441	0.097	2	2.49	0.012	0.52	<0.1	0.01	4.3	0.2	<0.05	9	<0.5	<0.2
24500 88900	Soil	12	24	0.65	261	0.058	1	2.06	0.008	0.22	0.1	0.01	3.7	0.2	<0.05	8	<0.5	<0.2
24500 88950	Soil	7	44	0.98	256	0.082	<1	2.74	0.013	0.12	<0.1	0.01	4.4	0.1	<0.05	9	<0.5	<0.2
24500 89000	Soil	10	35	1.02	201	0.139	2	2.96	0.012	0.16	0.1	0.02	4.6	0.1	<0.05	8	<0.5	<0.2
24500 89050	Soil	13	21	0.58	265	0.044	1	2.27	0.011	0.14	<0.1	0.01	3.1	0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
24500 89100	Soil	1.0	21.5	8.3	67	<0.1	24.3	8.8	344	3.14	9.5	0.8	1.7	4.5	19	<0.1	0.5	0.1	64	0.19
24500 89150	Soil	0.6	35.6	9.7	59	0.1	119.6	21.1	435	3.77	7.6	1.4	2.3	7.2	125	<0.1	0.2	0.1	86	0.97
24500 89200	Soil	0.9	28.8	7.4	58	<0.1	24.4	10.8	405	2.99	9.5	0.7	3.7	4.1	18	<0.1	0.5	0.1	66	0.25
24300 88450	Soil	1.1	18.0	8.6	69	<0.1	15.2	10.8	381	3.30	6.5	0.6	2.6	5.3	17	0.1	0.4	0.1	57	0.25
24300 88500	Soil	1.0	13.1	5.8	90	<0.1	12.1	9.5	676	4.11	5.3	0.7	0.9	3.5	19	<0.1	0.3	<0.1	52	0.39
24300 88550	Soil	1.0	18.5	9.4	75	<0.1	20.0	13.6	461	3.19	6.4	0.6	1.1	3.5	24	0.1	0.3	0.1	64	0.44
24300 88650	Soil	0.8	25.4	8.1	69	<0.1	19.6	11.6	533	3.38	4.3	0.7	2.7	3.0	23	0.1	0.2	<0.1	74	0.62
24300 88700	Soil	0.8	33.9	10.1	90	<0.1	26.5	12.6	557	4.14	6.3	1.2	4.5	4.7	26	<0.1	0.3	0.1	80	0.52
24300 88750	Soil	1.1	33.1	9.0	92	<0.1	21.0	12.7	495	4.04	6.6	1.0	6.0	7.5	23	<0.1	0.3	0.1	79	0.34
24300 88800	Soil	1.1	22.6	9.9	67	0.1	17.2	10.3	456	3.15	8.0	1.0	1.6	5.8	25	<0.1	0.3	0.1	65	0.36
24300 88850	Soil	0.8	21.4	7.9	55	<0.1	19.8	9.5	339	2.99	9.4	0.6	3.7	5.5	20	0.1	0.5	0.1	58	0.26
24300 88900	Soil	0.7	18.0	6.9	70	<0.1	18.8	13.0	419	3.50	5.2	0.6	1.0	4.0	15	<0.1	0.3	<0.1	65	0.22
24300 88950	Soil	1.4	26.5	5.9	105	<0.1	11.6	16.3	729	5.44	3.8	0.9	1.4	5.3	22	<0.1	0.3	<0.1	112	0.41
24300 89050	Soil	1.0	244.1	10.1	120	0.2	34.7	20.3	853	6.11	3.3	1.4	7.9	6.5	18	0.2	0.3	0.2	96	0.53
24300 89100	Soil	0.9	9.7	5.2	63	<0.1	9.7	6.8	268	2.84	4.5	0.8	1.5	5.3	8	<0.1	0.3	<0.1	40	0.08
24300 89150	Soil	0.7	17.2	5.7	76	<0.1	14.8	8.6	374	2.57	4.9	1.0	1.7	5.5	16	<0.1	0.3	<0.1	41	0.17
24300 89200	Soil	0.9	33.1	7.2	71	<0.1	25.5	16.8	623	4.34	4.0	0.5	2.1	2.3	20	<0.1	0.2	<0.1	109	0.42
24400 88450	Soil	1.2	27.0	10.1	82	<0.1	19.6	10.5	512	3.90	5.4	1.5	7.1	8.1	25	<0.1	0.4	0.1	59	0.36
24400 88500	Soil	0.8	21.0	8.3	72	<0.1	18.6	11.1	480	3.35	5.0	0.9	1.5	4.1	24	<0.1	0.4	0.2	84	0.31
24400 88550	Soil	1.2	24.7	10.7	68	<0.1	25.3	14.1	538	3.63	4.3	0.9	2.4	4.1	22	<0.1	0.4	0.2	76	0.35
24400 88600	Soil	0.8	34.5	8.4	82	<0.1	18.4	13.7	549	3.98	4.0	0.8	3.1	4.8	25	<0.1	0.4	0.2	85	0.42
24400 88650	Soil	0.6	24.9	8.4	72	<0.1	16.5	10.5	447	3.21	4.3	0.8	1.6	3.7	20	<0.1	0.3	0.1	75	0.38
24400 88700	Soil	0.6	41.8	8.4	92	<0.1	16.7	15.1	541	5.12	3.2	0.3	7.9	1.6	16	0.2	0.3	<0.1	126	0.44
24400 88750	Soil	1.4	49.4	8.8	116	<0.1	25.1	17.2	632	4.43	4.6	0.6	2.5	4.4	29	<0.1	0.3	0.1	114	0.51
24400 88800	Soil	2.1	28.0	19.1	84	<0.1	38.5	14.4	761	4.12	5.6	1.3	1.0	9.8	26	0.1	0.3	0.2	84	0.36
24400 88850	Soil	0.9	22.3	8.2	68	<0.1	19.2	10.8	388	3.48	5.9	0.9	1.5	5.8	21	<0.1	0.4	0.2	79	0.24
24400 88900	Soil	0.9	20.4	9.3	91	<0.1	15.5	13.7	481	4.12	4.6	0.6	1.6	4.2	21	<0.1	0.3	0.1	102	0.27
24400 88950	Soil	1.0	21.0	7.1	86	<0.1	20.0	14.1	503	4.01	5.7	0.7	1.4	4.6	19	<0.1	0.4	0.1	94	0.24
24400 89000	Soil	1.0	52.7	10.4	66	0.2	29.1	13.4	426	3.25	7.3	1.4	5.0	4.6	25	<0.1	0.4	0.1	82	0.36
24400 89050	Soil	0.8	58.0	7.5	98	0.1	24.6	17.6	874	4.67	4.4	1.0	3.3	3.8	23	<0.1	0.3	0.1	119	0.33



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
24500 89100	Soil	12	38	0.64	307	0.084	2	2.39	0.012	0.09	0.1	0.02	4.1	0.1	<0.05	6	<0.5	<0.2
24500 89150	Soil	39	161	2.64	828	0.220	2	2.60	0.019	0.06	0.2	0.02	6.0	0.2	<0.05	8	<0.5	<0.2
24500 89200	Soil	12	37	0.73	263	0.100	2	2.07	0.013	0.09	0.1	0.02	5.0	0.1	<0.05	6	<0.5	<0.2
24300 88450	Soil	10	29	0.65	217	0.107	1	1.96	0.014	0.12	0.1	0.01	3.3	0.1	<0.05	7	<0.5	<0.2
24300 88500	Soil	17	21	0.76	308	0.082	2	1.89	0.012	0.19	<0.1	0.01	7.1	<0.1	<0.05	8	<0.5	<0.2
24300 88550	Soil	11	32	0.80	264	0.084	2	1.88	0.016	0.06	0.1	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
24300 88650	Soil	17	36	0.91	275	0.113	2	1.82	0.023	0.14	<0.1	0.02	5.9	<0.1	<0.05	7	<0.5	<0.2
24300 88700	Soil	22	50	1.11	389	0.118	<1	2.34	0.020	0.15	0.1	0.03	9.4	<0.1	<0.05	9	<0.5	<0.2
24300 88750	Soil	40	38	1.09	308	0.151	1	2.39	0.017	0.11	<0.1	0.01	7.3	0.1	<0.05	9	<0.5	<0.2
24300 88800	Soil	21	32	0.72	307	0.101	1	1.86	0.014	0.08	0.1	0.03	5.2	0.1	<0.05	6	<0.5	<0.2
24300 88850	Soil	14	32	0.67	300	0.098	2	1.87	0.012	0.13	0.1	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
24300 88900	Soil	12	32	1.03	228	0.124	2	2.42	0.013	0.22	<0.1	0.02	5.0	0.2	<0.05	7	<0.5	<0.2
24300 88950	Soil	14	20	1.23	321	0.175	2	2.90	0.025	0.67	0.1	0.01	9.1	0.4	<0.05	9	<0.5	<0.2
24300 89050	Soil	31	46	1.45	905	0.171	2	2.60	0.012	0.96	0.1	0.02	13.2	0.4	<0.05	9	0.7	<0.2
24300 89100	Soil	17	18	0.49	147	0.052	1	1.79	0.007	0.16	<0.1	0.01	3.6	0.1	<0.05	5	<0.5	<0.2
24300 89150	Soil	23	25	0.59	266	0.062	1	1.81	0.012	0.10	<0.1	0.04	6.5	<0.1	<0.05	5	<0.5	<0.2
24300 89200	Soil	10	38	1.38	258	0.104	1	2.55	0.014	0.09	0.1	<0.01	6.1	<0.1	<0.05	8	<0.5	<0.2
24400 88450	Soil	29	31	0.79	341	0.136	<1	2.30	0.017	0.27	0.1	0.02	7.6	0.2	<0.05	8	<0.5	<0.2
24400 88500	Soil	14	32	0.93	268	0.121	1	1.96	0.014	0.16	0.1	0.01	7.8	0.1	0.07	7	<0.5	<0.2
24400 88550	Soil	18	44	0.64	371	0.053	1	2.00	0.013	0.06	<0.1	0.03	7.2	<0.1	0.06	6	<0.5	<0.2
24400 88600	Soil	19	34	1.04	279	0.082	<1	2.11	0.015	0.07	<0.1	0.03	8.2	<0.1	<0.05	8	<0.5	0.2
24400 88650	Soil	20	29	0.90	233	0.105	1	1.79	0.015	0.05	<0.1	0.03	7.0	<0.1	<0.05	6	<0.5	<0.2
24400 88700	Soil	4	30	1.09	230	0.104	<1	2.43	0.021	0.15	<0.1	<0.01	10.3	<0.1	<0.05	10	<0.5	<0.2
24400 88750	Soil	19	44	1.57	493	0.128	<1	2.51	0.014	0.13	0.1	<0.01	9.7	0.1	<0.05	9	0.6	<0.2
24400 88800	Soil	63	59	1.26	329	0.103	1	2.51	0.016	0.11	0.1	0.01	6.7	0.1	<0.05	9	0.5	<0.2
24400 88850	Soil	25	34	0.83	264	0.123	<1	2.15	0.010	0.09	0.1	0.02	6.2	0.1	<0.05	7	<0.5	<0.2
24400 88900	Soil	14	31	1.36	295	0.181	1	2.75	0.011	0.41	0.1	<0.01	7.8	0.3	<0.05	9	<0.5	0.2
24400 88950	Soil	14	35	1.06	299	0.178	2	2.61	0.010	0.32	0.1	0.02	6.6	0.2	<0.05	8	<0.5	0.2
24400 89000	Soil	25	46	0.91	319	0.119	1	2.13	0.018	0.09	0.1	0.04	6.8	0.1	<0.05	6	<0.5	<0.2
24400 89050	Soil	15	59	1.22	391	0.029	1	2.21	0.010	0.08	<0.1	0.02	13.5	<0.1	<0.05	7	0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
24400 89100	Soil	0.9	16.7	8.0	77	<0.1	17.0	9.7	519	2.92	6.1	1.2	1.7	5.2	19	<0.1	0.4	0.1	56	0.21	0.028
24400 89150	Soil	1.4	15.2	9.1	107	<0.1	17.1	13.2	1080	3.41	6.2	0.6	1.4	4.4	17	0.1	0.4	0.1	65	0.23	0.065
24400 89200	Soil	0.4	29.9	6.6	85	<0.1	19.0	20.9	1233	5.32	4.5	0.4	1.0	3.2	17	<0.1	0.3	<0.1	130	0.37	0.060
24600 88450	Soil	0.8	14.5	6.6	99	<0.1	13.7	12.0	442	4.07	4.6	0.5	2.2	3.0	12	0.1	0.4	<0.1	71	0.13	0.029
24600 88500	Soil	0.9	35.9	10.1	55	0.1	29.8	12.9	355	3.14	10.2	0.8	2.4	5.6	16	<0.1	0.6	0.2	73	0.15	0.031
24600 88550	Soil	1.2	35.6	12.6	58	<0.1	31.4	14.4	354	3.32	8.9	0.7	1.2	3.9	24	0.1	0.4	0.2	82	0.24	0.030
24600 88600	Soil	0.9	35.3	9.8	53	<0.1	22.5	11.1	273	3.01	8.4	0.6	1.5	3.3	29	<0.1	0.5	0.1	78	0.32	0.027
24600 88650	Soil	1.0	26.8	12.0	60	<0.1	19.6	11.0	472	3.24	6.5	0.7	1.4	3.6	19	<0.1	0.5	0.1	75	0.25	0.033
24600 88700	Soil	0.8	24.5	10.6	111	<0.1	40.0	20.4	714	4.13	1.8	0.3	2.8	1.3	19	<0.1	0.2	<0.1	138	0.52	0.044
24600 88750	Soil	1.2	9.9	13.0	33	<0.1	11.6	4.3	222	2.06	4.2	0.5	<0.5	2.9	16	<0.1	0.3	0.2	62	0.22	0.017
24600 88800	Soil	1.0	20.5	9.8	48	<0.1	27.1	9.9	332	3.04	7.8	0.7	0.8	4.2	19	<0.1	0.5	0.2	69	0.20	0.022
24600 88850	Soil	1.1	14.6	15.3	81	<0.1	21.6	11.0	1463	3.03	7.0	0.4	<0.5	1.8	19	0.3	0.5	0.2	72	0.16	0.030
24600 88900	Soil	0.9	51.5	7.1	52	0.3	32.4	18.2	531	3.31	5.1	0.5	3.5	1.6	27	0.1	0.2	<0.1	87	0.63	0.064
24600 88950	Soil	1.0	15.5	11.9	57	0.1	17.9	7.8	245	2.33	5.4	0.5	1.4	2.4	20	<0.1	0.3	0.1	66	0.27	0.022
24600 89000	Soil	1.2	15.0	8.8	65	<0.1	18.4	9.1	309	3.36	6.1	0.6	1.5	3.9	10	<0.1	0.4	0.1	67	0.10	0.019
24600 89050	Soil	1.0	18.1	9.5	64	<0.1	11.3	5.3	228	2.37	4.6	0.6	2.4	4.1	13	<0.1	0.3	0.1	51	0.12	0.017
24600 89100	Soil	1.0	19.4	8.0	70	<0.1	19.6	10.7	300	3.67	5.5	0.5	0.8	3.4	14	<0.1	0.4	0.1	89	0.17	0.021
24600 89150	Soil	0.7	14.6	9.6	110	<0.1	13.1	21.0	895	5.67	3.2	0.3	<0.5	1.8	18	0.1	0.3	<0.1	138	0.33	0.060
20800 89850	Soil	1.1	38.1	8.5	82	<0.1	16.8	20.4	504	4.63	6.0	0.6	28.6	2.4	31	<0.1	0.3	<0.1	97	0.63	0.047
20800 89900	Soil	0.8	43.3	10.8	89	<0.1	21.3	16.4	624	4.53	3.2	0.8	2.8	5.0	28	<0.1	0.4	0.1	84	0.50	0.051
20800 89950	Soil	1.4	45.1	11.3	88	<0.1	24.6	15.7	671	4.54	4.6	1.0	5.9	5.9	23	<0.1	0.4	<0.1	94	0.41	0.065
20800 90000	Soil	1.7	18.6	22.9	86	0.1	30.8	16.2	629	3.84	7.4	0.7	1.5	3.4	26	0.1	0.4	0.1	118	0.52	0.038
20800 90050	Soil	2.7	23.2	9.6	49	<0.1	20.4	10.8	518	3.26	3.7	0.5	3.6	3.7	34	0.3	0.2	<0.1	72	0.58	0.077
20800 90100	Soil	1.4	24.2	11.3	55	<0.1	16.5	5.8	370	2.86	5.0	1.2	3.6	6.3	21	<0.1	0.4	<0.1	55	0.44	0.044
20800 90150	Soil	1.2	22.3	16.5	63	<0.1	39.8	10.3	651	2.61	4.2	0.7	6.0	4.2	89	0.1	0.4	0.1	54	3.09	0.123
20800 90200	Soil	1.1	27.2	18.1	58	<0.1	20.1	11.7	573	3.54	7.7	0.7	<0.5	4.2	23	<0.1	0.5	0.1	77	0.45	0.033
20800 90250	Soil	1.1	22.2	11.1	76	<0.1	16.4	11.5	791	3.49	7.5	0.4	2.5	4.2	34	<0.1	0.4	0.1	66	0.55	0.052
20800 90300	Soil	1.2	21.6	18.6	77	<0.1	20.1	11.2	897	3.31	7.4	0.4	2.3	3.4	54	0.2	0.6	0.2	72	1.25	0.076
20800 90350	Soil	1.1	34.0	11.1	95	<0.1	22.4	10.5	918	3.13	6.2	0.6	2.4	3.2	44	0.1	0.5	0.1	71	0.73	0.071
20800 90400	Soil	1.3	18.1	18.3	84	<0.1	24.5	11.9	632	3.73	7.5	0.5	2.1	4.3	25	<0.1	0.5	0.1	94	0.30	0.039



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Project: Mariposa
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
24400 89100	Soil	21	28	0.91	297	0.114	<1	1.96	0.011	0.32	0.1	0.02	6.1	0.2	<0.05	6	<0.5	<0.2
24400 89150	Soil	14	29	0.53	277	0.078	2	1.98	0.012	0.35	<0.1	0.01	5.4	0.1	<0.05	6	<0.5	0.2
24400 89200	Soil	19	42	1.42	255	0.082	<1	2.80	0.007	0.12	<0.1	0.01	12.4	0.1	<0.05	9	<0.5	<0.2
24600 88450	Soil	8	20	1.03	190	0.149	2	2.37	0.010	0.49	<0.1	0.02	8.0	0.2	<0.05	10	<0.5	<0.2
24600 88500	Soil	11	41	0.55	256	0.085	2	2.41	0.011	0.07	0.1	0.04	4.6	<0.1	<0.05	6	<0.5	0.4
24600 88550	Soil	12	54	0.79	347	0.077	<1	2.27	0.014	0.04	0.1	0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
24600 88600	Soil	12	33	0.65	220	0.102	1	2.18	0.015	0.05	0.1	0.01	3.8	<0.1	<0.05	6	<0.5	<0.2
24600 88650	Soil	12	35	0.74	213	0.080	2	1.97	0.014	0.06	<0.1	0.01	4.8	<0.1	<0.05	6	<0.5	<0.2
24600 88700	Soil	6	107	2.23	365	0.216	<1	2.82	0.046	0.41	0.1	<0.01	7.3	0.1	<0.05	9	<0.5	<0.2
24600 88750	Soil	17	23	0.31	522	0.064	1	1.12	0.007	0.11	0.1	<0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
24600 88800	Soil	14	45	0.54	372	0.086	1	1.96	0.010	0.06	<0.1	0.01	4.3	<0.1	<0.05	6	<0.5	0.5
24600 88850	Soil	8	31	0.51	303	0.068	<1	2.04	0.011	0.11	0.1	0.02	2.6	0.1	<0.05	8	<0.5	0.2
24600 88900	Soil	7	56	1.07	307	0.068	<1	2.13	0.025	0.04	<0.1	0.02	6.0	<0.1	<0.05	6	0.5	0.2
24600 88950	Soil	9	32	0.55	261	0.077	1	1.63	0.011	0.05	<0.1	0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
24600 89000	Soil	12	31	0.70	192	0.104	1	2.24	0.007	0.16	<0.1	0.02	3.6	0.1	<0.05	7	<0.5	<0.2
24600 89050	Soil	14	22	0.43	196	0.065	1	1.57	0.007	0.12	<0.1	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
24600 89100	Soil	10	35	0.83	187	0.098	1	2.70	0.011	0.12	<0.1	0.01	5.3	0.1	<0.05	8	<0.5	<0.2
24600 89150	Soil	6	30	1.57	208	0.261	1	3.17	0.017	0.52	<0.1	0.01	7.6	0.2	<0.05	11	<0.5	<0.2
20800 89850	Soil	10	22	1.11	410	0.135	<1	2.13	0.017	0.37	<0.1	0.01	6.5	0.1	<0.05	7	0.6	<0.2
20800 89900	Soil	18	30	1.12	493	0.109	1	2.25	0.010	0.87	<0.1	0.01	7.8	0.2	<0.05	8	<0.5	0.2
20800 89950	Soil	22	38	0.95	332	0.095	2	1.95	0.012	0.47	<0.1	0.02	8.8	0.1	0.05	7	0.6	<0.2
20800 90000	Soil	11	51	0.97	339	0.047	2	2.31	0.010	0.09	<0.1	0.02	11.9	<0.1	<0.05	8	<0.5	<0.2
20800 90050	Soil	15	39	0.90	630	0.030	2	1.73	0.010	0.17	<0.1	0.01	5.1	<0.1	0.08	6	<0.5	<0.2
20800 90100	Soil	32	20	0.67	377	0.087	2	1.60	0.010	0.31	<0.1	0.02	6.5	<0.1	0.06	7	<0.5	<0.2
20800 90150	Soil	17	43	0.82	984	0.086	2	1.29	0.028	0.18	0.1	0.02	4.2	0.1	0.09	5	<0.5	<0.2
20800 90200	Soil	14	30	0.64	509	0.080	2	1.80	0.016	0.28	<0.1	0.01	8.6	<0.1	<0.05	6	<0.5	<0.2
20800 90250	Soil	11	26	0.71	398	0.113	3	1.98	0.011	0.56	0.1	0.02	5.7	0.1	<0.05	6	<0.5	<0.2
20800 90300	Soil	8	33	0.69	528	0.106	3	1.87	0.013	0.47	0.1	0.02	6.1	<0.1	<0.05	6	<0.5	<0.2
20800 90350	Soil	13	30	0.74	405	0.098	3	1.74	0.017	0.32	0.1	0.02	6.5	<0.1	<0.05	6	<0.5	<0.2
20800 90400	Soil	12	37	0.88	408	0.173	2	2.39	0.013	0.54	<0.1	0.02	7.5	0.2	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
20800 90450	Soil	0.8	38.1	8.6	65	<0.1	25.2	9.9	464	3.21	9.7	0.8	5.9	4.6	32	<0.1	0.6	0.1	72	0.51	0.070
20800 90500	Soil	1.0	12.8	12.5	71	<0.1	12.0	8.9	855	3.24	3.7	0.3	4.0	2.7	19	<0.1	0.4	<0.1	66	0.26	0.059
20800 90550	Soil	0.7	29.9	6.4	82	<0.1	14.5	13.7	1073	4.89	4.6	0.5	<0.5	2.7	26	<0.1	0.3	<0.1	124	0.36	0.092
20800 90600	Soil	0.8	29.6	11.8	64	<0.1	18.9	11.1	464	3.43	6.8	0.5	2.3	3.4	26	<0.1	0.4	<0.1	84	0.25	0.038
20800 90650	Soil	1.0	21.3	11.4	66	<0.1	20.1	9.7	550	3.30	6.3	0.4	2.6	2.5	31	<0.1	0.4	0.1	83	0.35	0.040
20800 90700	Soil	1.1	30.4	16.8	76	<0.1	20.4	11.8	654	3.64	6.8	0.4	1.1	2.6	34	<0.1	0.5	0.1	91	0.39	0.081
20800 90750	Soil	1.1	24.5	10.3	60	<0.1	24.9	10.0	520	3.31	8.4	0.5	3.2	3.2	22	<0.1	0.5	0.1	77	0.19	0.031
20800 90800	Soil	0.8	35.6	11.2	61	<0.1	18.1	9.9	432	3.41	6.4	0.3	1.6	1.9	27	<0.1	0.4	<0.1	87	0.31	0.046
20800 90850	Soil	1.0	27.5	9.2	45	<0.1	19.1	9.6	484	2.88	5.4	0.5	2.5	2.3	27	<0.1	0.2	0.1	81	0.34	0.075
20800 90900	Soil	0.8	15.1	10.0	61	<0.1	14.3	8.9	577	3.24	7.5	0.4	2.8	2.6	24	<0.1	0.4	0.1	82	0.28	0.086
20600 89850	Soil	2.2	42.8	12.7	124	0.1	12.3	12.5	472	3.14	5.2	2.0	2.8	3.4	46	0.1	0.2	<0.1	35	0.46	0.102
20600 89900	Soil	0.6	29.5	11.4	146	0.3	54.0	27.5	1550	5.51	3.0	0.3	8.4	2.1	22	0.2	0.4	<0.1	138	0.80	0.115
20600 89950	Soil	0.8	19.5	7.5	168	<0.1	21.1	21.6	1402	4.86	3.5	1.1	7.2	3.4	18	<0.1	0.3	<0.1	89	0.54	0.135
20600 90000	Soil	0.6	22.3	7.7	163	1.2	10.2	25.2	2510	7.21	1.2	0.5	16.9	2.0	21	0.2	0.1	<0.1	193	0.61	0.174
20600 90050	Soil	1.0	64.2	9.9	112	<0.1	31.3	23.0	1247	6.08	5.3	0.6	2.7	4.8	26	<0.1	0.4	<0.1	133	0.53	0.069
20600 90100	Soil	0.2	14.0	6.4	101	<0.1	16.1	22.6	842	4.79	2.0	0.6	2.6	2.2	41	<0.1	0.2	<0.1	154	0.71	0.106
20600 90150	Soil	0.9	25.7	10.1	59	<0.1	29.9	12.0	511	3.32	6.5	0.7	3.8	5.0	36	<0.1	0.5	<0.1	75	0.50	0.089
20600 90200	Soil	0.7	19.6	13.2	113	<0.1	25.0	14.3	691	4.10	4.7	0.6	1.2	3.9	23	<0.1	0.5	<0.1	102	0.20	0.038
20600 90250	Soil	0.7	17.2	6.5	70	<0.1	15.3	11.2	720	3.85	3.9	0.6	2.7	5.1	34	<0.1	0.3	<0.1	76	0.46	0.099
20600 90300	Soil	0.6	25.4	7.9	96	<0.1	20.3	16.3	792	4.62	4.2	0.6	3.9	4.7	35	<0.1	0.4	<0.1	119	0.68	0.100
20600 90350	Soil	1.9	44.4	7.9	64	<0.1	11.0	7.2	335	3.17	4.7	0.5	0.9	6.2	18	<0.1	0.3	<0.1	53	0.22	0.049
20600 90400	Soil	0.9	16.7	10.1	62	<0.1	17.2	12.0	606	3.26	5.0	0.5	2.2	2.8	36	<0.1	0.3	0.1	82	0.48	0.053
20600 90450	Soil	0.8	37.6	7.6	54	<0.1	16.8	10.2	576	3.22	5.1	0.6	3.5	3.4	35	<0.1	0.3	<0.1	78	0.49	0.069
20600 90500	Soil	0.7	49.3	12.3	83	<0.1	9.7	5.9	399	2.78	3.2	0.4	1.5	4.3	19	<0.1	0.2	<0.1	50	0.13	0.030
20600 90550	Soil	0.8	25.6	9.9	71	<0.1	47.2	8.3	501	3.20	3.5	0.3	2.4	4.3	20	<0.1	0.2	<0.1	58	0.16	0.042
20600 90600	Soil	0.6	37.2	12.7	65	<0.1	17.6	6.9	513	3.20	3.3	0.3	1.3	4.9	25	<0.1	0.2	<0.1	69	0.23	0.042
20600 90650	Soil	0.3	5.3	7.2	85	<0.1	8.4	13.9	856	3.82	3.6	0.2	1.3	1.4	55	<0.1	0.1	<0.1	68	0.83	0.189
20600 90800	Soil	0.6	8.4	11.2	86	<0.1	15.7	13.4	598	3.73	5.6	0.4	4.5	3.2	25	<0.1	0.3	<0.1	61	0.42	0.148
21300 88700	Soil	0.9	15.4	15.4	114	<0.1	7.6	7.5	282	2.45	9.3	0.9	1.7	4.8	31	0.1	0.2	0.1	34	0.38	0.088
21300 88750	Soil	0.7	13.1	14.0	81	<0.1	14.2	9.4	375	2.76	11.8	1.2	2.2	6.6	32	<0.1	0.3	0.1	42	0.49	0.105



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
20800 90450	Soil	18	35	0.91	289	0.127	1	1.91	0.023	0.14	0.1	0.04	7.1	<0.1	<0.05	6	<0.5	<0.2
20800 90500	Soil	8	18	0.80	345	0.136	2	1.98	0.010	0.38	0.1	0.02	5.3	0.1	<0.05	6	<0.5	<0.2
20800 90550	Soil	9	23	1.76	406	0.287	1	3.17	0.015	1.23	0.1	<0.01	7.6	0.3	<0.05	10	<0.5	<0.2
20800 90600	Soil	29	33	0.95	303	0.180	1	2.38	0.016	0.25	0.1	0.01	4.4	0.1	<0.05	7	<0.5	<0.2
20800 90650	Soil	8	35	0.87	301	0.174	1	2.19	0.025	0.36	0.3	0.01	4.2	0.1	<0.05	7	<0.5	<0.2
20800 90700	Soil	7	29	1.06	304	0.203	<1	2.38	0.015	0.52	<0.1	0.01	4.1	0.2	<0.05	8	<0.5	<0.2
20800 90750	Soil	8	39	0.80	242	0.140	2	2.15	0.013	0.22	0.2	0.01	4.2	0.1	<0.05	6	<0.5	<0.2
20800 90800	Soil	8	29	1.01	231	0.173	1	2.10	0.014	0.19	<0.1	0.01	4.2	0.1	<0.05	7	<0.5	<0.2
20800 90850	Soil	9	31	0.67	207	0.162	<1	1.76	0.016	0.16	<0.1	0.01	4.0	<0.1	<0.05	8	<0.5	<0.2
20800 90900	Soil	9	28	0.86	219	0.162	<1	2.08	0.014	0.21	0.1	<0.01	4.7	<0.1	<0.05	9	<0.5	<0.2
20600 89850	Soil	13	13	1.11	292	0.142	<1	1.73	0.021	0.43	0.1	0.01	2.2	0.3	0.11	5	0.7	<0.2
20600 89900	Soil	13	148	3.84	348	0.107	<1	3.67	0.019	0.08	<0.1	0.02	17.9	<0.1	<0.05	13	<0.5	<0.2
20600 89950	Soil	18	29	3.28	261	0.031	1	3.76	0.008	0.09	<0.1	0.01	15.3	<0.1	<0.05	13	<0.5	<0.2
20600 90000	Soil	17	26	2.46	709	0.016	<1	3.25	0.011	0.08	<0.1	0.02	14.9	<0.1	<0.05	14	<0.5	0.3
20600 90050	Soil	26	40	2.20	822	0.078	<1	2.75	0.014	0.30	0.1	0.02	12.6	<0.1	<0.05	11	<0.5	<0.2
20600 90100	Soil	14	39	2.50	599	0.368	1	2.88	0.039	0.86	<0.1	0.01	7.5	0.3	<0.05	10	<0.5	<0.2
20600 90150	Soil	23	40	0.84	546	0.110	1	1.61	0.019	0.28	0.1	0.03	7.9	<0.1	<0.05	5	<0.5	<0.2
20600 90200	Soil	22	54	1.71	492	0.174	1	2.93	0.012	0.76	<0.1	<0.01	10.8	0.3	<0.05	11	<0.5	<0.2
20600 90250	Soil	13	23	1.12	335	0.204	<1	2.18	0.021	0.76	<0.1	0.01	6.5	0.1	<0.05	8	<0.5	<0.2
20600 90300	Soil	19	21	1.78	741	0.219	1	2.42	0.021	0.74	<0.1	0.03	10.1	0.2	<0.05	9	<0.5	<0.2
20600 90350	Soil	23	17	0.58	421	0.120	<1	1.53	0.012	0.46	0.1	<0.01	5.9	0.1	<0.05	6	<0.5	<0.2
20600 90400	Soil	10	31	0.98	383	0.163	<1	1.82	0.024	0.40	0.1	0.02	4.8	0.1	<0.05	7	<0.5	<0.2
20600 90450	Soil	13	28	0.98	419	0.176	2	1.87	0.017	0.44	0.1	0.02	5.8	0.1	<0.05	6	<0.5	<0.2
20600 90500	Soil	9	16	0.75	195	0.155	1	1.75	0.009	0.57	<0.1	<0.01	4.4	0.2	<0.05	6	<0.5	<0.2
20600 90550	Soil	9	82	0.94	560	0.144	<1	1.94	0.009	0.65	<0.1	0.01	6.7	0.2	<0.05	8	<0.5	<0.2
20600 90600	Soil	7	27	0.76	424	0.186	<1	1.94	0.010	0.77	<0.1	<0.01	6.8	0.2	<0.05	7	<0.5	<0.2
20600 90650	Soil	4	14	1.22	425	0.230	<1	2.21	0.029	1.00	<0.1	<0.01	4.6	0.2	<0.05	8	<0.5	<0.2
20600 90800	Soil	10	22	0.96	360	0.176	<1	2.55	0.013	0.68	<0.1	0.02	5.1	0.2	<0.05	8	<0.5	<0.2
21300 88700	Soil	11	10	0.56	199	0.103	<1	1.35	0.009	0.34	<0.1	0.01	1.3	0.2	<0.05	5	<0.5	0.3
21300 88750	Soil	18	25	0.70	252	0.129	<1	1.53	0.013	0.29	<0.1	0.02	2.0	0.2	<0.05	5	<0.5	0.3



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Project: Mariposa

Report Date: August 09, 2010

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
Pulp Duplicates		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
23000 87550	Soil																			0.001
REP 23000 87550	QC	1.5	47.1	19.8	72	0.2	66.2	15.6	457	3.27	13.1	1.9	2.6	11.5	70	0.1	0.4	0.7	58	0.72
22600 88050	Soil	1.5	48.2	20.1	74	0.2	66.6	16.1	471	3.39	13.6	2.0	2.4	11.8	71	0.1	0.4	0.7	60	0.75
REP 22600 88050	QC	1.0	21.0	17.1	72	<0.1	13.0	10.1	279	2.90	7.9	2.1	<0.5	26.4	13	<0.1	0.2	0.1	43	0.15
22900 87950	Soil	0.9	19.4	17.2	68	<0.1	12.2	9.7	263	2.88	7.2	2.1	<0.5	25.8	12	<0.1	0.2	<0.1	42	0.14
REP 22900 87950	QC	0.2	67.3	3.4	56	0.2	6.7	17.3	951	3.13	1.9	0.3	11.2	1.7	49	0.2	0.2	<0.1	45	6.21
27500 88450	Soil	0.1	63.4	3.2	56	0.1	6.2	16.2	902	3.00	1.8	0.3	11.5	1.6	47	0.2	0.2	<0.1	43	6.01
REP 27500 88450	QC	1.6	75.9	19.5	229	0.4	7.2	14.6	521	5.35	2.8	0.9	3.5	3.2	19	0.5	0.2	0.8	119	0.45
27500 88750	Soil	1.8	76.6	19.1	217	0.4	6.8	14.9	505	5.23	2.6	0.9	3.7	3.1	19	0.4	0.2	0.8	115	0.45
REP 27500 88750	QC	2.7	184.2	17.0	208	<0.1	13.4	14.6	545	3.31	14.2	0.8	1.4	7.2	8	0.4	0.8	0.5	48	0.14
27600 88250	Soil	2.8	179.1	16.4	202	<0.1	12.6	14.5	535	3.25	13.7	0.8	2.7	7.1	9	0.4	0.8	0.4	47	0.14
REP 27600 88250	QC	0.8	20.2	8.8	80	0.1	22.0	12.1	310	3.53	5.6	0.3	<0.5	2.0	22	<0.1	0.4	0.1	85	0.26
27600 88850	Soil	0.8	20.4	9.5	80	0.1	21.3	12.0	302	3.48	5.7	0.3	<0.5	1.9	22	<0.1	0.3	0.1	85	0.25
REP 27600 88850	QC	0.5	10.4	5.3	141	<0.1	11.9	10.6	659	3.82	5.9	0.5	<0.5	1.4	17	0.2	0.1	<0.1	56	0.26
27200 88450	Soil	0.6	10.7	5.3	152	<0.1	12.3	11.0	675	4.00	6.2	0.5	<0.5	1.4	16	0.2	0.1	<0.1	57	0.25
REP 27200 88450	QC	0.5	59.0	8.3	112	0.2	9.1	18.5	375	5.69	3.2	0.7	1.8	1.5	123	<0.1	0.1	<0.1	149	0.34
27900 88550	Soil	0.4	59.0	8.4	111	0.2	9.3	18.5	366	5.68	3.0	0.7	1.5	1.6	115	<0.1	0.1	<0.1	151	0.35
REP 27900 88550	QC	4.3	750.8	20.3	216	0.9	15.6	5.1	182	4.78	20.4	1.4	19.9	3.9	35	0.9	0.7	18.1	34	0.20
23100 88350	Soil	3.9	736.4	18.7	209	0.8	14.9	4.9	178	4.62	19.5	1.3	36.5	3.5	33	0.9	0.6	16.8	33	0.19
REP 23100 88350	QC	1.0	9.6	10.1	69	<0.1	11.5	9.7	372	2.79	5.4	0.8	0.8	4.9	17	<0.1	0.1	0.1	42	0.36
27800 88100	Soil	1.2	10.2	10.1	67	<0.1	12.0	9.7	369	2.83	5.4	0.8	<0.5	4.8	18	<0.1	0.1	0.1	41	0.37
REP 27800 88100	QC	2.2	34.5	7.8	65	0.1	19.9	10.6	271	2.00	8.4	9.3	6.8	4.5	47	0.3	0.5	0.2	48	0.60
28100 88450	Soil	2.3	36.2	7.8	66	0.1	20.6	10.8	276	1.98	8.6	9.5	7.1	4.5	48	0.3	0.5	0.2	49	0.60
REP 28100 88450	QC	1.1	15.4	8.8	203	<0.1	20.4	10.3	375	4.26	6.4	0.6	1.5	2.3	28	0.2	0.3	0.1	69	0.55
28200 88600	Soil	1.1	14.9	9.5	194	<0.1	19.6	10.3	366	4.32	6.1	0.6	1.6	2.3	29	0.2	0.3	0.1	69	0.54
REP 28200 88600	QC	1.3	20.6	10.7	53	<0.1	19.1	8.9	262	3.23	9.3	0.7	4.1	7.2	17	<0.1	0.5	0.2	65	0.15
24200 88850	Soil	1.3	20.9	10.7	54	<0.1	19.0	8.9	270	3.29	9.3	0.7	2.8	7.3	18	<0.1	0.5	0.2	66	0.16
REP 24200 88850	QC	1.1	16.6	7.8	75	<0.1	11.9	9.7	480	3.40	5.1	0.8	4.5	7.6	15	<0.1	0.2	0.1	49	0.24
		1.1	16.4	7.6	70	<0.1	11.6	9.6	482	3.34	5.1	0.8	1.7	7.4	15	<0.1	0.3	0.1	50	0.24



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Project: Mariposa
Report Date: August 09, 2010

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
23000 87550	Soil	39	64	1.06	237	0.125	<1	1.90	0.024	0.19	0.1	0.02	4.8	0.1	0.06	6	0.6	<0.2
REP 23000 87550	QC	39	66	1.10	239	0.128	2	1.91	0.023	0.21	0.1	0.03	5.0	0.1	0.06	6	<0.5	<0.2
22600 88050	Soil	52	22	0.57	104	0.118	<1	1.47	0.008	0.43	<0.1	<0.01	2.8	0.3	<0.05	6	<0.5	<0.2
REP 22600 88050	QC	50	21	0.58	102	0.115	<1	1.56	0.008	0.42	<0.1	<0.01	2.7	0.3	<0.05	5	<0.5	<0.2
22900 87950	Soil	10	4	1.16	287	0.057	2	1.52	0.014	0.36	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
REP 22900 87950	QC	10	4	1.14	286	0.055	2	1.46	0.014	0.35	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
27500 88450	Soil	9	13	1.53	423	0.315	<1	3.56	0.018	1.27	0.2	<0.01	4.8	0.9	<0.05	11	<0.5	0.8
REP 27500 88450	QC	9	13	1.49	409	0.301	<1	3.54	0.017	1.19	0.2	0.02	4.8	0.9	<0.05	11	<0.5	1.1
27500 88750	Soil	12	18	0.49	133	0.083	1	1.83	0.009	0.30	0.1	<0.01	3.7	0.3	<0.05	6	<0.5	<0.2
REP 27500 88750	QC	12	18	0.48	130	0.085	<1	1.85	0.009	0.30	<0.1	<0.01	3.7	0.2	<0.05	6	<0.5	0.3
27600 88250	Soil	6	39	0.80	217	0.184	<1	2.22	0.013	0.37	0.1	0.02	3.3	0.3	<0.05	8	<0.5	0.3
REP 27600 88250	QC	7	38	0.79	208	0.187	1	2.16	0.013	0.37	<0.1	0.01	3.4	0.2	<0.05	8	<0.5	<0.2
27600 88850	Soil	5	12	1.17	130	0.283	<1	2.86	0.013	0.91	<0.1	<0.01	1.0	0.8	<0.05	8	<0.5	<0.2
REP 27600 88850	QC	5	12	1.19	134	0.280	<1	2.86	0.014	0.90	0.1	<0.01	1.1	0.8	<0.05	9	<0.5	0.2
27200 88450	Soil	6	10	1.46	561	0.289	<1	3.65	0.020	1.04	<0.1	0.02	4.7	0.6	<0.05	12	<0.5	0.2
REP 27200 88450	QC	6	10	1.41	529	0.287	<1	3.54	0.021	1.06	<0.1	<0.01	4.9	0.6	<0.05	12	<0.5	0.2
27900 88550	Soil	12	11	0.51	213	0.071	<1	2.47	0.016	0.14	<0.1	<0.01	1.0	0.2	0.08	5	1.4	0.6
REP 27900 88550	QC	11	11	0.49	200	0.068	<1	2.35	0.014	0.15	<0.1	0.02	0.8	0.2	<0.05	5	0.9	0.8
23100 88350	Soil	15	14	1.05	186	0.103	<1	2.00	0.009	0.38	0.1	0.01	2.5	0.2	<0.05	6	<0.5	<0.2
REP 23100 88350	QC	16	15	1.01	190	0.102	<1	1.95	0.008	0.38	0.1	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
27800 88100	Soil	17	26	0.54	260	0.075	2	1.26	0.022	0.11	0.2	0.03	3.6	<0.1	0.10	4	0.7	<0.2
REP 27800 88100	QC	17	26	0.55	260	0.075	2	1.27	0.020	0.11	0.2	0.03	3.8	<0.1	0.10	4	0.8	<0.2
28100 88450	Soil	8	47	1.27	295	0.168	<1	2.94	0.011	0.21	0.1	0.01	2.4	0.1	<0.05	15	<0.5	<0.2
REP 28100 88450	QC	8	49	1.22	302	0.164	1	2.74	0.012	0.20	<0.1	0.02	2.4	0.1	<0.05	14	<0.5	<0.2
28200 88600	Soil	23	34	0.53	256	0.085	2	2.02	0.012	0.08	0.1	0.01	3.4	<0.1	<0.05	7	<0.5	<0.2
REP 28200 88600	QC	23	35	0.55	260	0.087	1	2.08	0.011	0.08	0.1	0.01	3.6	<0.1	<0.05	7	<0.5	<0.2
24200 88850	Soil	22	21	0.56	189	0.057	1	1.64	0.012	0.17	<0.1	<0.01	4.1	<0.1	<0.05	7	<0.5	<0.2
REP 24200 88850	QC	22	22	0.56	178	0.056	1	1.62	0.012	0.17	<0.1	<0.01	4.1	<0.1	<0.05	6	<0.5	<0.2



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Project: Mariposa

Report Date: August 09, 2010

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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
24500 88650	Soil	0.5	27.5	5.2	113	<0.1	12.9	11.6	952	4.79	3.3	0.5	<0.5	3.6	19	<0.1	0.2	<0.1	75	0.35
REP 24500 88650	QC	0.4	27.8	5.3	110	<0.1	13.3	11.7	952	4.76	3.4	0.5	<0.5	3.6	19	<0.1	0.2	<0.1	76	0.35
24300 88850	Soil	0.8	21.4	7.9	55	<0.1	19.8	9.5	339	2.99	9.4	0.6	3.7	5.5	20	0.1	0.5	0.1	58	0.26
REP 24300 88850	QC	0.9	21.3	8.4	60	<0.1	21.1	9.5	354	3.11	9.4	0.7	1.5	5.9	20	0.1	0.5	0.1	60	0.26
24400 88550	Soil	1.2	24.7	10.7	68	<0.1	25.3	14.1	538	3.63	4.3	0.9	2.4	4.1	22	<0.1	0.4	0.2	76	0.35
REP 24400 88550	QC	1.1	24.2	11.2	68	<0.1	25.7	14.2	528	3.53	4.5	0.9	6.9	4.4	22	<0.1	0.3	0.2	73	0.37
20800 90050	Soil	2.7	23.2	9.6	49	<0.1	20.4	10.8	518	3.26	3.7	0.5	3.6	3.7	34	0.3	0.2	<0.1	72	0.58
REP 20800 90050	QC	2.6	24.1	9.4	51	<0.1	20.5	11.5	518	3.27	4.1	0.5	4.0	3.8	33	0.3	0.3	<0.1	70	0.55
20800 90200	Soil	1.1	27.2	18.1	58	<0.1	20.1	11.7	573	3.54	7.7	0.7	<0.5	4.2	23	<0.1	0.5	0.1	77	0.45
REP 20800 90200	QC	1.0	26.1	17.3	56	<0.1	18.0	11.4	556	3.44	7.3	0.7	<0.5	4.0	22	<0.1	0.5	0.1	76	0.43
20600 90350	Soil	1.9	44.4	7.9	64	<0.1	11.0	7.2	335	3.17	4.7	0.5	0.9	6.2	18	<0.1	0.3	<0.1	53	0.22
REP 20600 90350	QC	1.9	44.5	8.1	62	<0.1	11.3	7.2	347	3.24	4.7	0.5	2.9	6.2	18	<0.1	0.3	<0.1	55	0.23
Reference Materials																				
STD DS7	Standard	21.3	119.5	71.4	419	1.0	59.4	9.5	647	2.53	54.1	4.9	76.0	4.8	91	6.7	6.9	5.0	87	1.00
STD DS7	Standard	20.6	107.3	70.3	399	0.9	53.3	9.5	610	2.39	52.6	5.1	70.6	4.9	83	6.2	6.4	4.9	82	0.94
STD DS7	Standard	20.9	118.7	64.6	409	1.1	57.0	9.4	667	2.57	55.7	5.0	72.0	4.8	73	6.9	5.9	4.5	86	1.01
STD DS7	Standard	21.7	119.7	81.2	430	1.1	60.0	9.9	676	2.57	55.9	5.6	74.8	4.7	86	6.4	6.8	5.4	88	1.00
STD DS7	Standard	21.7	108.4	66.9	413	1.0	57.9	9.8	653	2.51	56.1	5.0	74.3	4.9	83	6.5	6.4	4.6	89	1.01
STD DS7	Standard	22.7	112.8	75.8	410	1.0	55.9	9.8	671	2.52	55.6	5.5	69.7	5.2	83	6.3	6.6	5.2	88	1.00
STD DS7	Standard	21.0	116.4	71.2	405	1.0	55.3	9.3	636	2.41	50.4	5.2	71.5	5.2	79	6.9	6.0	4.9	86	0.95
STD DS7	Standard	21.3	112.7	70.6	403	1.0	58.5	9.5	651	2.43	53.3	4.9	66.1	4.7	75	6.3	6.2	4.9	92	0.97
STD DS7	Standard	21.5	121.9	73.1	411	1.0	57.1	9.5	654	2.48	53.1	5.3	62.8	5.2	86	6.5	6.3	5.0	88	1.05
STD DS7	Standard	21.2	108.7	70.5	396	0.9	55.8	9.6	616	2.44	51.8	5.0	65.9	4.9	81	6.1	5.9	5.0	89	0.98
STD DS7	Standard	20.3	108.1	71.2	381	0.9	53.5	9.0	605	2.28	48.5	5.1	68.1	4.8	76	5.8	5.8	4.8	82	0.89
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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Project: Mariposa

Report Date: August 09, 2010

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QUALITY CONTROL REPORT

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		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
24500 88650	Soil	17	24	1.30	342	0.266	1	2.80	0.013	0.50	0.1	<0.01	10.0	0.2	<0.05	11	<0.5	<0.2
REP 24500 88650	QC	17	24	1.29	350	0.266	<1	2.75	0.017	0.50	0.1	<0.01	9.9	0.2	<0.05	11	<0.5	<0.2
24300 88850	Soil	14	32	0.67	300	0.098	2	1.87	0.012	0.13	0.1	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
REP 24300 88850	QC	14	33	0.68	314	0.099	1	1.90	0.013	0.13	0.1	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
24400 88550	Soil	18	44	0.64	371	0.053	1	2.00	0.013	0.06	<0.1	0.03	7.2	<0.1	0.06	6	<0.5	<0.2
REP 24400 88550	QC	19	42	0.65	389	0.048	<1	2.05	0.012	0.07	<0.1	0.03	7.0	<0.1	0.06	6	<0.5	<0.2
20800 90050	Soil	15	39	0.90	630	0.030	2	1.73	0.010	0.17	<0.1	0.01	5.1	<0.1	0.08	6	<0.5	<0.2
REP 20800 90050	QC	15	40	0.89	595	0.031	1	1.70	0.010	0.17	<0.1	0.01	4.8	<0.1	0.07	7	<0.5	<0.2
20800 90200	Soil	14	30	0.64	509	0.080	2	1.80	0.016	0.28	<0.1	0.01	8.6	<0.1	<0.05	6	<0.5	<0.2
REP 20800 90200	QC	14	30	0.65	496	0.079	2	1.79	0.016	0.29	<0.1	<0.01	8.2	<0.1	<0.05	5	<0.5	<0.2
20600 90350	Soil	23	17	0.58	421	0.120	<1	1.53	0.012	0.46	0.1	<0.01	5.9	0.1	<0.05	6	<0.5	<0.2
REP 20600 90350	QC	24	17	0.59	418	0.118	<1	1.52	0.012	0.46	<0.1	0.01	6.0	0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	14	222	1.02	415	0.144	39	1.05	0.102	0.50	3.4	0.22	2.6	4.0	0.19	5	3.0	1.3
STD DS7	Standard	13	195	1.07	407	0.133	38	1.02	0.106	0.47	3.8	0.22	2.7	3.9	0.22	5	3.2	0.9
STD DS7	Standard	14	215	1.13	435	0.124	44	1.09	0.109	0.53	4.0	0.23	2.9	4.3	0.23	5	3.4	1.6
STD DS7	Standard	14	212	1.13	446	0.136	44	1.13	0.108	0.49	4.1	0.25	2.6	4.4	0.24	5	3.7	1.3
STD DS7	Standard	14	212	1.10	444	0.127	40	1.14	0.109	0.49	3.9	0.25	2.6	4.0	0.20	5	2.9	2.1
STD DS7	Standard	14	216	1.09	412	0.139	43	1.08	0.105	0.50	3.9	0.25	2.7	4.5	0.22	5	4.1	0.9
STD DS7	Standard	14	195	1.04	409	0.140	38	1.03	0.094	0.46	3.8	0.21	2.8	4.2	0.17	5	3.4	2.0
STD DS7	Standard	14	210	1.02	416	0.126	37	1.01	0.094	0.46	3.7	0.22	2.6	3.9	0.17	5	3.6	1.7
STD DS7	Standard	15	202	1.10	411	0.149	41	1.13	0.110	0.50	3.6	0.22	2.8	4.1	0.20	5	3.4	1.9
STD DS7	Standard	13	204	1.03	399	0.123	41	1.06	0.106	0.46	3.5	0.21	2.4	3.8	0.16	5	3.1	1.7
STD DS7	Standard	12	208	1.01	383	0.131	38	0.98	0.097	0.46	3.4	0.24	2.3	3.9	0.13	4	2.8	1.1
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Project: Mariposa

Report Date: August 09, 2010

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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: July 27, 2010

Report Date: August 13, 2010

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CERTIFICATE OF ANALYSIS

WHI10000145.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-6
P.O. Number
Number of Samples: 74

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
TRTN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
John Brock
Michael Renning

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	74	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	74	Dry at 60C			WHI
RJSV	74	Saving all or part of Soil Reject			WHI
1DX2	74	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

WHI10000145.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
21300 88850	Soil	1.8	15.4	121.1	265	0.3	8.8	6.3	274	2.70	20.9	2.0	5.7	9.3	38	0.4	0.3	1.4	36	0.18	0.040
21300 88900	Soil	3.0	36.1	145.4	196	0.5	12.8	5.5	267	3.15	35.9	3.6	10.6	17.2	49	0.6	0.3	3.5	24	0.16	0.045
21300 88950	Soil	2.0	115.4	59.7	197	0.2	50.4	12.6	357	3.23	25.4	4.9	5.6	16.6	74	0.2	0.4	1.8	47	0.28	0.070
21300 89000	Soil	1.8	91.3	85.6	205	0.7	22.4	9.7	403	2.99	19.9	3.3	12.6	10.1	40	0.5	0.5	4.3	43	0.19	0.063
21300 89050	Soil	2.3	43.7	109.5	58	0.7	11.9	4.0	130	2.64	19.5	1.7	18.3	10.2	20	0.1	0.5	3.0	37	0.12	0.035
21300 89150	Soil	2.4	35.2	238.6	135	0.9	14.6	4.6	197	2.72	39.1	4.1	14.2	12.8	33	0.4	0.4	3.8	36	0.17	0.050
21300 89250	Soil	2.2	29.0	52.2	112	0.3	20.5	8.5	254	2.97	142.4	2.7	6.0	11.1	27	0.3	0.4	0.6	57	0.35	0.045
21300 89300	Soil	3.6	37.5	27.4	99	0.1	19.8	12.5	403	3.91	26.2	1.1	17.6	6.8	24	0.1	0.4	0.3	66	0.41	0.061
21300 88000	Soil	1.4	29.9	18.1	70	0.1	30.6	15.9	485	3.29	7.1	1.5	5.4	5.4	47	0.1	0.4	0.1	57	1.11	0.089
21300 88050	Soil	0.8	45.8	8.5	110	<0.1	35.6	29.4	846	5.92	5.0	0.6	<0.5	5.3	34	<0.1	0.1	<0.1	89	0.60	0.083
21300 88100	Soil	1.4	59.1	14.0	93	<0.1	43.0	25.5	985	5.38	5.0	1.1	4.5	8.1	33	<0.1	0.3	<0.1	90	0.56	0.085
21300 88150	Soil	1.4	36.7	13.3	104	<0.1	41.9	23.8	743	5.58	5.4	0.8	1.4	4.2	32	<0.1	0.2	<0.1	90	0.64	0.158
21300 88200	Soil	1.4	41.2	12.6	109	<0.1	30.7	24.5	830	6.14	3.5	0.7	0.6	3.8	35	<0.1	0.2	<0.1	89	0.73	0.162
21300 88250	Soil	1.3	24.6	19.1	79	<0.1	28.3	17.0	564	4.11	5.2	0.8	2.2	5.6	29	<0.1	0.3	0.1	70	0.46	0.065
21300 88350	Soil	1.3	46.7	15.4	86	0.1	30.3	18.2	645	4.04	6.6	1.4	2.0	8.4	45	0.1	0.3	0.1	78	0.75	0.092
21300 88450	Soil	1.3	40.8	22.5	131	0.1	15.2	16.4	925	4.04	8.9	2.2	2.2	8.4	33	0.2	0.2	<0.1	63	0.78	0.137
21300 88500	Soil	2.0	20.9	21.8	65	<0.1	17.2	10.9	559	2.69	17.6	2.6	1.5	14.3	28	0.1	0.3	<0.1	36	0.69	0.087
21300 88550	Soil	1.8	23.1	24.1	109	0.1	16.5	11.6	358	4.02	22.4	5.3	3.1	17.1	76	<0.1	0.3	0.1	55	0.56	0.138
21300 88600	Soil	1.5	16.6	22.7	56	<0.1	17.3	10.0	522	2.34	10.7	2.3	0.8	17.6	22	0.1	0.2	<0.1	33	0.53	0.097
21300 88650	Soil	1.4	17.8	34.6	111	0.1	15.4	10.0	402	2.58	10.0	2.1	1.2	6.5	30	0.2	0.2	0.1	44	0.39	0.064
25000 89050	Soil	0.7	24.5	10.5	76	0.1	16.3	15.2	392	3.90	5.7	0.5	27.1	2.5	28	<0.1	0.3	<0.1	113	0.57	0.044
25000 89100	Soil	0.6	37.2	13.3	114	<0.1	10.4	25.5	456	6.13	2.2	0.3	0.8	0.9	44	0.1	0.2	<0.1	159	0.85	0.092
25000 89150	Soil	0.9	30.4	59.3	129	<0.1	13.5	16.7	660	4.56	2.9	0.5	2.8	3.2	26	0.2	0.2	<0.1	96	0.51	0.086
25000 89200	Soil	1.5	36.6	137.0	263	<0.1	18.1	14.0	686	3.97	4.1	0.6	2.3	4.1	32	0.4	0.4	0.2	87	0.42	0.036
21300 89350	Soil	2.4	19.0	24.3	60	<0.1	17.8	9.0	344	2.59	15.3	1.0	12.2	5.2	23	<0.1	0.4	0.1	49	0.40	0.056
21300 89400	Soil	4.4	27.7	14.8	133	<0.1	13.6	7.9	394	3.87	7.9	1.9	2.8	7.9	17	<0.1	0.2	0.2	44	0.33	0.067
21300 89450	Soil	3.6	21.5	17.1	63	<0.1	14.6	8.2	431	3.62	46.0	0.9	63.5	4.9	18	<0.1	0.9	0.3	60	0.29	0.056
21300 89500	Soil	1.9	20.1	28.2	41	<0.1	12.6	4.8	214	1.80	8.3	1.3	3.0	8.1	15	<0.1	0.4	0.1	24	0.25	0.028
21300 89600	Soil	1.5	25.7	10.3	73	<0.1	19.8	18.1	431	4.16	7.0	0.6	1.2	4.0	18	<0.1	0.3	<0.1	102	0.33	0.051
21300 89650	Soil	1.2	22.5	13.9	61	<0.1	21.7	14.1	354	3.30	6.8	0.9	2.1	5.1	27	<0.1	0.4	0.1	82	0.50	0.051



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Project: Mariposa
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
21300 88850	Soil	24	15	0.39	156	0.062	1	1.19	0.020	0.17	<0.1	0.02	1.9	0.1	0.06	5	1.2	0.4
21300 88900	Soil	44	18	0.26	160	0.031	<1	1.06	0.022	0.11	<0.1	0.03	2.5	0.1	0.07	3	1.5	2.0
21300 88950	Soil	61	83	0.90	461	0.099	<1	1.73	0.017	0.07	<0.1	0.02	4.3	<0.1	<0.05	5	2.0	0.4
21300 89000	Soil	31	42	0.60	206	0.079	<1	1.75	0.010	0.13	<0.1	0.11	2.7	0.2	<0.05	5	6.2	0.9
21300 89050	Soil	19	22	0.28	128	0.053	<1	1.27	0.015	0.08	0.1	0.04	1.9	0.1	<0.05	4	4.7	0.6
21300 89150	Soil	27	27	0.39	150	0.060	<1	1.61	0.017	0.12	<0.1	0.08	2.6	0.2	0.11	5	4.3	0.3
21300 89250	Soil	21	33	0.61	157	0.088	1	1.61	0.014	0.16	0.1	0.04	3.5	0.2	<0.05	5	0.9	0.3
21300 89300	Soil	14	25	0.86	205	0.129	<1	2.09	0.013	0.39	<0.1	0.02	3.1	0.2	<0.05	6	<0.5	0.4
21300 88000	Soil	26	53	0.96	272	0.086	2	1.82	0.017	0.25	0.3	0.04	4.4	0.2	<0.05	5	<0.5	<0.2
21300 88050	Soil	7	111	2.67	284	0.257	<1	3.80	0.013	1.49	0.1	<0.01	3.3	0.6	<0.05	8	0.5	<0.2
21300 88100	Soil	28	80	1.85	447	0.170	<1	3.09	0.015	0.52	0.1	0.04	8.1	0.3	<0.05	8	<0.5	<0.2
21300 88150	Soil	11	94	1.68	514	0.255	<1	3.16	0.018	0.97	0.1	0.02	4.6	0.3	<0.05	9	<0.5	<0.2
21300 88200	Soil	11	64	1.86	431	0.246	<1	3.26	0.020	0.95	<0.1	0.02	4.2	0.3	<0.05	8	<0.5	<0.2
21300 88250	Soil	20	49	1.11	365	0.176	1	2.44	0.012	0.43	0.2	0.03	3.6	0.2	<0.05	7	<0.5	<0.2
21300 88350	Soil	23	55	1.29	270	0.166	<1	2.32	0.017	0.35	0.2	0.02	4.1	0.2	<0.05	7	0.6	<0.2
21300 88450	Soil	32	22	1.11	250	0.148	<1	1.99	0.013	0.41	<0.1	0.02	3.3	0.2	<0.05	6	<0.5	<0.2
21300 88500	Soil	30	29	0.46	169	0.083	<1	1.17	0.012	0.29	<0.1	0.02	2.2	0.2	<0.05	4	<0.5	0.2
21300 88550	Soil	41	29	0.76	316	0.172	<1	1.91	0.033	0.44	<0.1	0.02	2.9	0.2	0.10	6	0.6	<0.2
21300 88600	Soil	38	28	0.47	160	0.106	<1	1.17	0.010	0.36	<0.1	0.02	2.2	0.2	<0.05	4	<0.5	<0.2
21300 88650	Soil	21	27	0.55	215	0.112	2	1.39	0.013	0.31	<0.1	0.02	1.8	0.2	<0.05	6	<0.5	<0.2
25000 89050	Soil	9	28	1.06	250	0.257	<1	2.50	0.016	0.33	0.2	0.02	3.4	0.2	<0.05	7	<0.5	<0.2
25000 89100	Soil	5	13	1.98	294	0.467	<1	4.40	0.018	0.84	0.2	<0.01	3.4	0.4	<0.05	11	<0.5	<0.2
25000 89150	Soil	15	23	1.37	325	0.296	<1	2.84	0.013	0.51	0.2	0.01	3.8	0.3	<0.05	8	<0.5	<0.2
25000 89200	Soil	10	33	1.20	242	0.221	<1	2.79	0.012	0.16	0.2	0.02	3.3	0.2	<0.05	8	<0.5	<0.2
21300 89350	Soil	11	28	0.58	232	0.096	<1	1.56	0.015	0.21	0.2	0.01	2.7	0.1	<0.05	4	<0.5	<0.2
21300 89400	Soil	14	18	1.10	223	0.150	1	2.28	0.007	0.61	0.2	0.01	2.9	0.4	<0.05	7	<0.5	<0.2
21300 89450	Soil	18	21	0.92	252	0.121	1	2.10	0.008	0.60	0.2	0.02	3.6	0.3	<0.05	6	0.6	0.3
21300 89500	Soil	25	21	0.36	194	0.040	1	1.23	0.011	0.15	<0.1	0.02	2.8	0.1	<0.05	3	<0.5	0.3
21300 89600	Soil	9	26	1.84	268	0.251	<1	3.07	0.014	0.99	0.2	0.01	4.3	0.3	<0.05	8	<0.5	<0.2
21300 89650	Soil	17	40	1.33	232	0.190	1	2.20	0.018	0.32	0.2	0.02	4.6	0.2	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
21300 89700	Soil	1.3	22.2	16.0	69	<0.1	21.5	15.0	451	3.43	8.9	1.0	3.2	5.3	27	<0.1	0.4	0.1	75	0.42	0.050
25000 88450	Soil	0.8	32.0	10.9	124	<0.1	15.0	22.3	1457	4.30	3.6	0.9	2.6	3.7	25	0.2	0.2	<0.1	149	0.66	0.118
25000 88500	Soil	0.6	42.7	7.3	100	<0.1	8.7	17.1	425	3.31	3.1	0.6	1.6	2.4	15	<0.1	0.2	0.1	75	0.47	0.103
25000 88600	Soil	0.6	4.9	19.9	134	<0.1	7.3	7.6	260	2.34	1.6	0.5	0.5	2.0	28	0.1	0.2	<0.1	29	0.31	0.057
25000 88650	Soil	0.9	17.3	11.8	95	<0.1	18.9	13.9	572	4.12	5.6	0.7	2.0	3.2	27	<0.1	0.2	<0.1	77	0.53	0.066
25000 88700	Soil	1.5	19.6	29.1	78	<0.1	48.7	15.9	1069	4.32	5.1	1.6	2.4	14.1	20	0.2	0.4	0.2	38	0.36	0.073
25000 88750	Soil	1.5	20.7	8.4	65	<0.1	16.8	11.5	553	3.53	3.4	0.5	1.2	5.1	14	0.2	0.3	0.1	50	0.22	0.029
25000 88800	Soil	0.7	28.5	16.4	70	<0.1	47.7	15.7	544	3.37	3.5	0.7	<0.5	7.3	51	0.1	0.2	0.2	70	0.59	0.135
25000 88850	Soil	0.9	29.5	10.1	83	<0.1	19.9	13.7	648	3.79	2.1	0.5	<0.5	2.0	21	0.1	0.2	<0.1	88	0.39	0.034
25000 88950	Soil	0.8	8.1	4.0	75	<0.1	7.2	4.8	208	2.27	1.8	0.9	<0.5	5.1	8	<0.1	0.1	<0.1	24	0.15	0.028
25000 89000	Soil	0.4	28.3	7.7	104	<0.1	11.5	13.3	369	3.83	1.9	0.4	0.7	2.1	23	<0.1	0.1	<0.1	89	0.55	0.061
24900 88450	Soil	1.0	15.8	5.3	59	<0.1	14.3	9.0	379	2.87	4.7	0.6	0.7	3.8	17	<0.1	0.2	<0.1	62	0.32	0.070
24900 88500	Soil	1.5	31.9	9.2	92	0.1	58.8	17.5	640	3.46	5.4	0.8	2.3	4.3	60	0.2	0.2	<0.1	75	0.68	0.161
24900 88550	Soil	0.7	25.9	6.5	89	<0.1	47.7	19.9	533	4.16	1.9	0.6	5.5	1.9	23	0.1	<0.1	<0.1	113	0.92	0.167
24900 88700	Soil	4.3	21.8	16.8	84	<0.1	12.2	7.3	428	3.85	16.4	1.4	<0.5	5.2	22	0.2	0.3	0.2	70	0.21	0.029
24900 88750	Soil	0.9	27.1	19.0	73	<0.1	48.2	16.1	556	3.58	1.7	0.8	<0.5	10.0	51	<0.1	0.2	0.3	65	0.62	0.156
24900 88850	Soil	2.4	48.7	15.0	84	0.1	119.6	23.1	813	4.46	4.4	1.0	<0.5	5.7	104	<0.1	0.2	0.1	108	1.05	0.260
24900 88900	Soil	0.6	13.0	6.4	71	<0.1	14.0	10.1	508	3.09	3.3	0.5	0.8	3.5	13	<0.1	0.2	0.1	61	0.18	0.038
24900 89000	Soil	1.0	22.7	7.0	71	0.2	13.5	7.4	382	2.36	3.1	1.2	4.0	3.1	19	<0.1	0.2	<0.1	38	0.48	0.076
24900 89050	Soil	0.5	51.7	6.8	60	<0.1	29.9	16.3	464	3.35	2.0	0.2	0.8	0.7	28	<0.1	<0.1	<0.1	84	0.78	0.072
24900 89150	Soil	1.1	21.7	8.8	77	0.1	11.3	11.8	405	3.90	5.4	0.3	1.1	2.0	15	<0.1	0.2	<0.1	94	0.32	0.040
24900 89200	Soil	0.4	37.7	10.3	108	<0.1	12.1	17.0	478	4.64	2.0	0.2	<0.5	0.8	14	<0.1	0.1	<0.1	123	0.28	0.050
20700 89900	Soil	0.5	20.4	3.8	59	<0.1	22.9	27.3	807	4.30	1.1	0.2	0.6	0.6	21	<0.1	0.2	<0.1	88	0.64	0.080
20700 89950	Soil	2.3	23.4	13.2	90	<0.1	20.1	9.5	219	4.19	3.6	1.1	<0.5	6.7	13	0.1	0.4	0.2	35	0.22	0.047
20700 90000	Soil	1.0	18.9	11.3	56	<0.1	22.2	8.8	356	2.89	8.3	0.7	3.6	3.6	24	<0.1	0.5	0.1	67	0.32	0.025
20700 90050	Soil	1.4	25.6	12.7	98	0.1	21.3	12.5	794	3.48	7.4	0.7	1.3	2.8	29	0.2	0.4	0.1	84	0.55	0.057
20700 90100	Soil	1.5	17.7	13.0	55	<0.1	38.3	13.7	437	3.21	4.7	0.5	5.0	3.2	41	<0.1	0.2	0.1	89	0.62	0.082
20700 90150	Soil	1.2	30.3	9.9	48	0.1	20.2	9.5	375	2.76	5.3	0.7	2.8	2.8	40	<0.1	0.3	0.1	61	0.63	0.044
20700 90200	Soil	1.4	20.0	13.9	54	<0.1	31.0	10.0	852	2.69	2.8	0.3	<0.5	2.2	29	<0.1	0.3	<0.1	65	0.38	0.031
20700 90250	Soil	0.8	66.8	5.4	85	<0.1	14.4	12.9	857	4.20	4.6	0.5	1.5	2.4	37	<0.1	0.2	<0.1	86	0.53	0.076



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
21300 89700	Soil	14	39	1.24	242	0.178	<1	2.37	0.014	0.26	0.2	0.02	4.1	0.2	<0.05	6	<0.5	<0.2
25000 88450	Soil	15	25	1.71	385	0.166	<1	2.40	0.020	0.38	<0.1	0.02	12.0	0.2	<0.05	9	<0.5	<0.2
25000 88500	Soil	9	14	1.36	268	0.120	<1	1.69	0.017	0.29	<0.1	<0.01	9.4	0.1	<0.05	8	0.6	<0.2
25000 88600	Soil	3	11	0.44	306	0.052	<1	1.65	0.011	0.26	<0.1	0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
25000 88650	Soil	17	31	1.15	409	0.204	<1	2.29	0.015	0.50	0.1	0.01	4.5	0.2	<0.05	9	<0.5	<0.2
25000 88700	Soil	35	31	0.35	765	0.009	2	1.58	0.010	0.16	<0.1	0.02	7.6	0.1	<0.05	3	<0.5	<0.2
25000 88750	Soil	17	29	0.57	236	0.038	1	2.00	0.010	0.22	0.1	0.01	3.8	0.1	0.06	6	<0.5	<0.2
25000 88800	Soil	24	129	1.43	347	0.120	1	1.94	0.014	0.18	0.1	<0.01	4.4	0.2	<0.05	7	0.5	<0.2
25000 88850	Soil	9	30	1.22	317	0.047	1	2.31	0.009	0.07	<0.1	<0.01	5.2	<0.1	<0.05	7	<0.5	0.3
25000 88950	Soil	16	12	0.60	114	0.043	<1	1.46	0.005	0.18	<0.1	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
25000 89000	Soil	8	21	0.86	184	0.102	1	1.95	0.024	0.15	<0.1	0.01	5.9	<0.1	<0.05	7	<0.5	<0.2
24900 88450	Soil	13	24	0.83	274	0.104	1	1.51	0.012	0.30	0.1	0.01	6.1	0.1	<0.05	5	<0.5	<0.2
24900 88500	Soil	28	59	1.17	321	0.084	2	1.86	0.013	0.16	<0.1	0.02	8.3	0.1	<0.05	7	<0.5	<0.2
24900 88550	Soil	15	78	1.98	426	0.192	2	2.66	0.015	0.58	<0.1	0.02	6.5	0.2	<0.05	8	<0.5	<0.2
24900 88700	Soil	10	24	0.72	189	0.100	<1	2.16	0.010	0.19	<0.1	0.02	4.5	<0.1	<0.05	8	<0.5	<0.2
24900 88750	Soil	46	137	1.55	911	0.112	<1	2.16	0.009	0.26	<0.1	<0.01	4.8	0.2	<0.05	8	<0.5	<0.2
24900 88850	Soil	30	190	2.30	335	0.137	3	2.95	0.012	0.06	0.3	0.02	6.8	<0.1	<0.05	10	<0.5	<0.2
24900 88900	Soil	13	26	0.93	310	0.126	1	1.78	0.009	0.21	0.1	0.01	4.1	0.2	<0.05	7	<0.5	<0.2
24900 89000	Soil	31	22	0.41	282	0.029	<1	1.38	0.010	0.09	<0.1	0.03	4.6	<0.1	<0.05	4	<0.5	<0.2
24900 89050	Soil	3	53	1.18	121	0.097	2	2.43	0.038	0.04	<0.1	<0.01	5.7	<0.1	<0.05	6	<0.5	<0.2
24900 89150	Soil	7	18	0.94	198	0.137	1	2.30	0.011	0.38	<0.1	<0.01	5.5	0.2	<0.05	8	<0.5	<0.2
24900 89200	Soil	3	18	1.75	173	0.253	<1	3.36	0.016	0.33	0.1	<0.01	4.2	0.2	<0.05	10	<0.5	<0.2
20700 89900	Soil	4	38	1.58	604	0.138	<1	2.45	0.014	0.44	<0.1	<0.01	7.1	0.1	<0.05	6	<0.5	<0.2
20700 89950	Soil	24	18	0.31	366	0.034	2	1.34	0.007	0.38	<0.1	<0.01	5.3	0.2	<0.05	4	<0.5	<0.2
20700 90000	Soil	13	38	0.59	236	0.081	2	1.55	0.015	0.10	<0.1	0.03	6.0	<0.1	<0.05	5	<0.5	<0.2
20700 90050	Soil	14	33	0.76	418	0.066	2	1.76	0.015	0.19	0.1	0.02	6.4	<0.1	<0.05	6	<0.5	<0.2
20700 90100	Soil	20	64	1.02	512	0.124	2	1.72	0.013	0.16	<0.1	0.02	6.3	<0.1	<0.05	6	<0.5	0.3
20700 90150	Soil	20	28	0.55	1031	0.080	<1	1.67	0.016	0.21	<0.1	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
20700 90200	Soil	8	60	0.64	552	0.078	2	1.64	0.010	0.26	<0.1	0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
20700 90250	Soil	11	26	1.06	518	0.098	<1	2.08	0.014	0.37	<0.1	0.01	6.4	<0.1	<0.05	7	<0.5	<0.2



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Project: Mariposa
Report Date: August 13, 2010

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CERTIFICATE OF ANALYSIS

WHI10000145.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
20700 90300	Soil	0.8	12.0	12.2	56	<0.1	12.9	7.0	453	2.39	4.8	0.3	0.8	2.2	21	<0.1	0.2	<0.1	56	0.37	0.050
20700 90350	Soil	1.2	42.0	13.7	83	<0.1	28.4	10.3	1012	3.00	10.4	0.5	2.1	3.5	58	0.2	0.4	0.1	77	1.10	0.065
20700 90400	Soil	1.0	21.7	17.0	62	<0.1	22.4	11.9	450	3.27	7.4	0.5	1.0	4.0	18	<0.1	0.4	<0.1	84	0.26	0.029
20700 90450	Soil	1.0	14.3	12.2	66	<0.1	19.2	12.3	642	3.38	5.3	0.3	<0.5	2.9	26	<0.1	0.3	<0.1	85	0.42	0.042
20700 90500	Soil	0.6	31.8	9.1	85	<0.1	17.2	15.3	687	3.79	5.1	0.3	0.5	2.3	31	<0.1	0.3	<0.1	114	0.52	0.044
20700 90550	Soil	0.6	11.9	9.2	85	<0.1	19.8	16.7	761	3.91	5.1	0.3	1.0	2.3	25	<0.1	0.2	<0.1	117	0.34	0.067
20700 90600	Soil	0.9	12.9	13.7	89	<0.1	20.3	12.8	835	2.85	7.4	0.3	<0.5	2.6	29	0.1	0.4	0.1	83	0.38	0.052
20700 90650	Soil	0.8	12.7	9.9	81	<0.1	18.8	12.4	523	3.69	7.5	0.4	<0.5	2.8	22	<0.1	0.3	<0.1	101	0.29	0.069
20700 90700	Soil	0.8	12.7	9.1	61	<0.1	16.5	11.5	661	3.61	5.6	0.3	<0.5	2.0	27	<0.1	0.3	0.1	100	0.33	0.062
20700 90750	Soil	1.1	16.4	9.7	82	<0.1	17.6	9.1	584	3.51	6.8	0.3	2.5	1.7	22	<0.1	0.4	0.1	87	0.24	0.081
20700 90800	Soil	0.7	16.6	9.1	57	<0.1	18.0	11.5	470	3.34	7.4	0.5	1.5	3.0	20	<0.1	0.3	<0.1	89	0.25	0.035
20700 90850	Soil	0.5	8.8	6.3	89	<0.1	11.1	13.4	518	4.13	4.4	0.4	0.5	2.4	22	<0.1	0.1	<0.1	121	0.41	0.108
20700 90900	Soil	1.1	13.7	13.6	54	<0.1	13.9	9.1	341	3.20	8.2	0.7	7.0	2.4	25	<0.1	0.4	0.2	88	0.23	0.058
20700 90950	Soil	1.0	20.9	6.7	96	<0.1	13.9	19.4	671	4.53	4.3	0.4	0.5	2.0	19	<0.1	0.2	<0.1	146	0.35	0.098



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Project: Mariposa
Report Date: August 13, 2010

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CERTIFICATE OF ANALYSIS

WHI10000145.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
20700 90300	Soil	6	20	0.45	216	0.059	2	1.35	0.015	0.29	<0.1	<0.01	5.3	<0.1	<0.05	5	<0.5	<0.2
20700 90350	Soil	17	36	0.82	475	0.102	5	1.94	0.014	0.23	<0.1	0.03	6.2	<0.1	<0.05	6	<0.5	<0.2
20700 90400	Soil	11	34	0.82	249	0.112	3	2.03	0.011	0.43	<0.1	0.01	7.5	0.1	<0.05	6	<0.5	<0.2
20700 90450	Soil	9	33	0.76	419	0.129	3	2.03	0.010	0.43	0.1	0.03	5.8	0.1	<0.05	7	<0.5	<0.2
20700 90500	Soil	7	26	1.14	459	0.191	2	2.17	0.014	0.64	<0.1	<0.01	4.5	0.2	<0.05	6	<0.5	<0.2
20700 90550	Soil	7	31	1.32	515	0.206	<1	2.56	0.014	0.45	<0.1	<0.01	5.5	0.1	<0.05	9	<0.5	<0.2
20700 90600	Soil	8	34	0.60	572	0.096	1	1.96	0.012	0.15	<0.1	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
20700 90650	Soil	8	32	1.04	341	0.154	2	2.27	0.012	0.49	<0.1	0.02	5.2	0.2	<0.05	8	<0.5	<0.2
20700 90700	Soil	5	28	1.01	430	0.185	2	2.20	0.010	0.43	<0.1	<0.01	3.4	<0.1	<0.05	7	<0.5	<0.2
20700 90750	Soil	6	27	0.54	278	0.077	2	2.08	0.014	0.16	<0.1	0.02	4.3	<0.1	<0.05	8	<0.5	0.3
20700 90800	Soil	11	32	0.88	307	0.145	2	2.20	0.011	0.30	<0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
20700 90850	Soil	11	23	1.30	349	0.217	1	2.47	0.015	0.74	<0.1	0.01	6.0	0.2	<0.05	9	<0.5	<0.2
20700 90900	Soil	11	27	0.55	513	0.088	2	1.96	0.011	0.14	<0.1	0.02	5.0	<0.1	<0.05	8	0.6	<0.2
20700 90950	Soil	6	26	1.37	346	0.205	<1	2.68	0.015	0.32	<0.1	<0.01	8.0	0.1	<0.05	9	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI10000145.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
21300 89050	Soil	2.3	43.7	109.5	58	0.7	11.9	4.0	130	2.64	19.5	1.7	18.3	10.2	20	0.1	0.5	3.0	37	0.12	0.035
REP 21300 89050	QC	2.3	44.9	111.4	60	0.7	11.7	4.2	131	2.66	20.2	1.7	16.7	10.4	21	0.2	0.6	2.9	39	0.13	0.035
25000 89150	Soil	0.9	30.4	59.3	129	<0.1	13.5	16.7	660	4.56	2.9	0.5	2.8	3.2	26	0.2	0.2	<0.1	96	0.51	0.086
REP 25000 89150	QC	0.9	30.4	58.8	126	<0.1	13.4	16.6	678	4.49	2.9	0.5	1.3	3.3	27	0.2	0.2	<0.1	97	0.51	0.085
24900 88550	Soil	0.7	25.9	6.5	89	<0.1	47.7	19.9	533	4.16	1.9	0.6	5.5	1.9	23	0.1	<0.1	<0.1	113	0.92	0.167
REP 24900 88550	QC	0.7	27.2	7.8	106	<0.1	53.1	19.9	504	4.31	2.1	0.6	<0.5	1.9	24	0.1	<0.1	<0.1	117	0.96	0.181
20700 90750	Soil	1.1	16.4	9.7	82	<0.1	17.6	9.1	584	3.51	6.8	0.3	2.5	1.7	22	<0.1	0.4	0.1	87	0.24	0.081
REP 20700 90750	QC	1.0	16.0	9.6	78	<0.1	17.3	8.7	623	3.58	6.4	0.3	1.1	1.8	20	0.2	0.4	0.1	85	0.25	0.077
20700 90900	Soil	1.1	13.7	13.6	54	<0.1	13.9	9.1	341	3.20	8.2	0.7	7.0	2.4	25	<0.1	0.4	0.2	88	0.23	0.058
REP 20700 90900	QC	1.1	13.0	13.7	52	<0.1	13.5	8.4	343	3.25	8.2	0.7	4.2	2.5	25	<0.1	0.4	0.1	86	0.23	0.059
Reference Materials																					
STD DS7	Standard	22.2	118.6	80.5	430	1.0	62.6	10.1	679	2.58	55.1	5.5	81.2	5.5	79	6.3	6.6	5.1	95	1.01	0.079
STD DS7	Standard	21.1	100.4	60.5	385	1.1	51.2	8.3	610	2.27	49.2	4.3	263.1	4.1	72	5.7	5.0	4.0	82	0.96	0.075
STD DS7	Standard	21.3	110.9	71.7	398	1.0	57.4	10.1	642	2.53	53.7	5.2	80.4	4.8	77	6.8	6.5	4.8	87	0.98	0.080
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa

Report Date: August 13, 2010

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QUALITY CONTROL REPORT

WHI10000145.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
21300 89050	Soil	19	22	0.28	128	0.053	<1	1.27	0.015	0.08	0.1	0.04	1.9	0.1	<0.05	4	4.7	0.6
REP 21300 89050	QC	20	22	0.29	130	0.054	<1	1.31	0.014	0.08	0.1	0.03	2.0	0.1	<0.05	4	4.9	0.4
25000 89150	Soil	15	23	1.37	325	0.296	<1	2.84	0.013	0.51	0.2	0.01	3.8	0.3	<0.05	8	<0.5	<0.2
REP 25000 89150	QC	15	23	1.36	327	0.297	<1	2.80	0.013	0.51	0.2	0.01	3.8	0.3	<0.05	8	<0.5	<0.2
24900 88550	Soil	15	78	1.98	426	0.192	2	2.66	0.015	0.58	<0.1	0.02	6.5	0.2	<0.05	8	<0.5	<0.2
REP 24900 88550	QC	16	79	2.02	443	0.224	4	2.68	0.016	0.60	0.1	0.03	6.7	0.2	0.05	9	<0.5	0.5
20700 90750	Soil	6	27	0.54	278	0.077	2	2.08	0.014	0.16	<0.1	0.02	4.3	<0.1	<0.05	8	<0.5	0.3
REP 20700 90750	QC	6	27	0.52	271	0.075	2	1.97	0.013	0.16	<0.1	0.02	4.8	<0.1	<0.05	8	<0.5	<0.2
20700 90900	Soil	11	27	0.55	513	0.088	2	1.96	0.011	0.14	<0.1	0.02	5.0	<0.1	<0.05	8	0.6	<0.2
REP 20700 90900	QC	12	26	0.55	517	0.083	3	1.87	0.011	0.14	0.1	<0.01	5.0	0.1	<0.05	8	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	14	233	1.14	444	0.141	42	1.13	0.103	0.50	4.1	0.26	2.8	4.4	0.24	5	3.5	2.1
STD DS7	Standard	14	208	1.04	402	0.119	39	1.03	0.100	0.47	3.4	0.22	2.9	4.0	0.20	5	2.7	1.2
STD DS7	Standard	15	221	1.10	433	0.130	43	1.09	0.105	0.48	3.9	0.24	2.6	4.1	0.21	5	3.3	1.0
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: July 29, 2010

Report Date: August 18, 2010

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CERTIFICATE OF ANALYSIS

WHI10000161.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-7
P.O. Number
Number of Samples: 195

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
TRTN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
John Brock
Michael Renning

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	195	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	195	Dry at 60C			WHI
RJSV	195	Saving all or part of Soil Reject			WHI
1DX2	195	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

WHI10000161.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
20800 88000	Soil	0.9	29.2	4.8	67	<0.1	20.1	17.4	470	3.45	4.8	0.5	1.6	2.7	23	<0.1	0.3	<0.1	76	0.59	0.074
20800 88050	Soil	1.2	29.5	10.9	65	<0.1	32.2	17.0	542	3.51	5.1	1.1	1.2	4.4	40	0.2	0.4	0.1	63	0.95	0.076
20800 88100	Soil	0.7	28.7	7.5	53	<0.1	28.2	14.4	458	3.06	5.5	0.8	2.6	3.0	30	<0.1	0.4	<0.1	68	0.67	0.055
20800 88150	Soil	0.8	37.4	8.1	71	<0.1	34.5	21.1	716	3.72	6.9	0.9	1.4	6.4	36	0.1	0.3	<0.1	71	0.91	0.119
20800 88200	Soil	0.4	36.1	5.2	93	<0.1	27.2	26.2	654	4.76	2.8	0.4	<0.5	6.1	38	<0.1	0.1	<0.1	70	0.64	0.106
20800 88250	Soil	0.7	41.1	4.0	113	<0.1	32.0	33.1	1216	6.98	2.1	0.6	<0.5	6.2	41	0.1	<0.1	<0.1	100	0.62	0.135
20800 88300	Soil	0.6	41.7	7.8	82	<0.1	25.8	22.8	300	4.10	5.3	0.7	2.0	3.1	24	<0.1	0.3	0.1	99	0.53	0.079
20800 88350	Soil	0.3	45.8	4.6	72	<0.1	18.1	23.3	346	3.74	3.2	0.7	2.2	2.6	48	<0.1	0.2	<0.1	104	0.65	0.125
20800 88400	Soil	0.5	40.7	5.8	67	<0.1	20.5	18.4	352	3.50	5.1	0.8	2.4	3.0	21	<0.1	0.3	<0.1	84	0.70	0.088
20800 88450	Soil	0.2	33.0	3.4	90	<0.1	25.8	27.6	503	3.72	1.5	0.4	0.8	2.2	38	<0.1	0.1	<0.1	77	0.85	0.232
20800 88500	Soil	0.3	42.9	3.4	73	<0.1	15.2	21.3	523	3.32	3.3	0.6	2.4	1.8	22	<0.1	0.2	<0.1	85	0.72	0.140
20800 88550	Soil	0.5	44.7	5.7	60	<0.1	19.3	16.9	482	3.06	5.0	0.8	1.8	2.5	25	0.1	0.2	<0.1	82	0.65	0.099
20800 88600	Soil	0.3	59.2	4.2	66	0.2	19.2	17.7	536	3.29	3.8	0.8	3.0	1.8	33	0.1	0.2	<0.1	90	1.16	0.121
20800 88650	Soil	0.3	53.4	5.2	68	0.2	30.6	16.2	473	2.85	3.7	1.1	2.2	2.2	45	0.2	0.3	<0.1	71	1.19	0.109
20800 88700	Soil	0.6	33.6	9.7	63	0.1	20.3	13.4	376	2.77	10.9	1.1	2.0	4.1	29	0.1	0.3	0.1	63	0.85	0.077
20800 88750	Soil	0.9	28.6	12.2	67	0.1	21.2	12.0	495	2.94	25.1	1.5	1.8	7.4	29	0.2	0.3	0.1	53	0.83	0.077
20800 88800	Soil	0.5	31.4	8.7	65	0.1	82.9	16.4	485	3.00	7.0	2.5	2.8	8.6	100	0.2	0.2	0.1	58	1.55	0.229
20800 88850	Soil	0.7	29.0	10.9	84	0.1	80.6	19.4	483	3.80	6.7	2.2	1.6	7.3	108	0.1	0.1	0.1	75	1.32	0.323
20800 88900	Soil	3.6	30.0	51.7	48	0.4	5.4	2.8	223	3.58	39.1	2.5	4.0	18.6	67	<0.1	0.3	0.7	28	0.10	0.063
20800 88950	Soil	1.9	12.8	30.3	61	0.2	11.2	5.5	169	2.69	18.2	1.9	4.7	9.9	26	<0.1	0.4	0.4	35	0.13	0.028
20800 89000	Soil	2.1	16.0	65.3	112	0.6	16.1	8.5	194	3.89	15.8	1.6	9.6	9.3	23	0.2	0.5	1.6	59	0.10	0.047
20800 89050	Soil	1.6	15.7	58.3	80	0.2	5.5	2.4	95	4.29	25.1	2.0	4.7	17.8	59	<0.1	0.2	6.1	18	0.07	0.052
20800 89100	Soil	1.2	13.4	32.8	105	0.1	12.2	5.2	156	2.50	8.9	0.9	1.9	5.2	21	0.2	0.3	1.7	50	0.12	0.028
20800 89150	Soil	1.9	8.3	27.3	73	<0.1	8.5	3.8	110	3.57	10.5	0.7	1.7	7.9	47	0.1	0.2	1.0	32	0.12	0.045
20800 89200	Soil	1.2	15.6	16.3	55	<0.1	13.8	6.4	165	2.94	9.3	1.0	1.9	6.7	27	0.1	0.4	0.6	48	0.12	0.026
20800 89300	Soil	3.1	25.8	235.1	115	0.4	5.2	1.1	121	2.67	21.6	2.3	14.2	13.0	47	0.2	0.2	5.2	20	0.06	0.056
20400 89850	Soil	1.7	35.2	125.2	239	0.6	7.7	7.4	323	3.62	10.6	2.4	14.6	16.1	36	0.8	0.3	3.3	33	0.30	0.054
20400 89900	Soil	0.8	9.1	8.2	146	<0.1	7.2	6.2	357	3.00	7.7	0.9	0.8	17.1	10	0.3	0.2	0.6	19	0.23	0.037
20400 89950	Soil	0.7	35.3	35.5	78	0.3	6.1	7.0	706	2.57	3.4	0.9	3.1	8.0	14	0.1	0.2	0.1	36	0.31	0.049
20400 90000	Soil	0.8	63.3	13.0	108	<0.1	13.6	13.4	1636	4.29	3.5	0.9	3.0	1.7	122	0.1	0.3	<0.1	79	1.16	0.079



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
20800 88000	Soil	7	34	1.24	221	0.103	2	2.18	0.028	0.11	<0.1	0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
20800 88050	Soil	21	51	1.04	385	0.070	1	2.21	0.020	0.12	0.1	0.03	5.0	<0.1	<0.05	6	<0.5	<0.2
20800 88100	Soil	12	42	0.83	294	0.074	1	2.00	0.017	0.09	<0.1	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
20800 88150	Soil	15	68	1.48	287	0.076	<1	2.16	0.017	0.31	0.1	0.01	4.9	0.2	<0.05	6	<0.5	<0.2
20800 88200	Soil	9	61	2.10	271	0.258	2	3.05	0.023	1.13	0.2	<0.01	1.9	0.4	<0.05	7	<0.5	<0.2
20800 88250	Soil	12	75	2.46	499	0.162	1	3.65	0.008	0.88	0.1	<0.01	5.4	0.3	<0.05	10	<0.5	<0.2
20800 88300	Soil	13	41	1.70	269	0.181	1	2.78	0.017	0.27	0.2	0.01	6.2	0.2	<0.05	10	<0.5	<0.2
20800 88350	Soil	10	22	1.73	287	0.157	<1	2.56	0.018	0.38	<0.1	0.02	5.4	<0.1	<0.05	8	<0.5	<0.2
20800 88400	Soil	15	32	1.44	313	0.147	2	2.20	0.022	0.27	0.1	0.01	6.4	0.1	<0.05	8	<0.5	<0.2
20800 88450	Soil	10	27	2.26	353	0.233	<1	2.66	0.017	1.10	<0.1	<0.01	3.2	0.2	<0.05	7	<0.5	<0.2
20800 88500	Soil	9	17	1.56	352	0.160	<1	2.22	0.018	0.60	<0.1	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
20800 88550	Soil	11	25	1.03	336	0.133	1	1.99	0.019	0.20	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
20800 88600	Soil	10	23	1.21	380	0.148	1	2.09	0.018	0.45	<0.1	0.04	4.2	0.1	<0.05	6	0.5	<0.2
20800 88650	Soil	15	33	1.08	471	0.123	2	1.92	0.018	0.28	0.1	0.04	4.4	0.1	<0.05	6	0.6	<0.2
20800 88700	Soil	16	27	0.80	321	0.093	1	1.78	0.017	0.15	<0.1	0.03	3.8	<0.1	<0.05	5	0.5	<0.2
20800 88750	Soil	27	27	0.69	319	0.087	2	1.61	0.014	0.19	0.2	0.03	3.4	0.2	<0.05	5	<0.5	<0.2
20800 88800	Soil	49	99	1.54	751	0.111	2	1.93	0.015	0.14	0.1	0.04	4.5	0.2	<0.05	6	0.6	<0.2
20800 88850	Soil	34	100	1.96	1076	0.213	2	2.52	0.031	0.41	<0.1	0.02	4.2	0.3	<0.05	8	<0.5	<0.2
20800 88900	Soil	43	10	0.30	223	0.054	<1	1.14	0.111	0.18	<0.1	<0.01	1.9	0.1	0.45	3	1.7	0.8
20800 88950	Soil	23	20	0.39	155	0.050	1	1.32	0.043	0.10	<0.1	<0.01	2.0	0.1	0.16	3	0.7	0.8
20800 89000	Soil	16	32	0.40	155	0.060	1	2.42	0.014	0.08	<0.1	0.03	2.6	0.2	<0.05	6	0.6	0.4
20800 89050	Soil	53	9	0.22	166	0.029	<1	1.13	0.162	0.17	<0.1	<0.01	1.8	0.2	0.66	3	1.4	<0.2
20800 89100	Soil	13	25	0.41	158	0.037	1	1.84	0.009	0.06	<0.1	<0.01	2.0	0.1	<0.05	5	0.6	<0.2
20800 89150	Soil	18	16	0.22	118	0.031	<1	1.38	0.063	0.07	<0.1	<0.01	1.4	<0.1	0.19	4	1.0	<0.2
20800 89200	Soil	17	25	0.38	145	0.055	<1	1.79	0.020	0.07	<0.1	0.01	2.4	<0.1	0.06	5	1.0	0.3
20800 89300	Soil	31	10	0.16	175	0.026	<1	1.23	0.019	0.16	<0.1	0.04	1.6	0.2	0.18	4	9.5	1.1
20400 89850	Soil	35	9	0.68	315	0.054	<1	1.41	0.073	0.31	<0.1	0.14	3.1	0.3	0.27	5	3.5	0.3
20400 89900	Soil	20	12	0.54	227	0.015	<1	1.39	0.009	0.25	<0.1	<0.01	2.4	0.1	<0.05	6	<0.5	<0.2
20400 89950	Soil	32	10	0.34	382	0.008	<1	1.37	0.007	0.20	<0.1	0.01	3.1	0.1	<0.05	5	<0.5	<0.2
20400 90000	Soil	11	19	1.12	270	0.098	1	1.82	0.050	0.13	<0.1	<0.01	8.9	<0.1	<0.05	8	0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
20400 90050	Soil	0.2	15.2	7.8	58	<0.1	7.9	4.1	361	2.33	3.1	0.6	1.0	4.2	10	<0.1	0.1	<0.1	37	0.16
20400 90100	Soil	0.3	83.1	8.5	101	<0.1	14.7	8.9	969	3.23	4.8	0.5	0.5	3.9	34	0.1	0.2	<0.1	62	0.53
20400 90150	Soil	0.3	99.7	6.5	78	<0.1	16.9	13.3	717	3.57	3.1	0.4	<0.5	3.1	69	<0.1	0.1	<0.1	81	0.86
20400 90200	Soil	0.2	145.1	7.9	55	<0.1	23.1	14.9	585	2.90	3.8	0.3	<0.5	1.7	49	<0.1	0.1	<0.1	64	0.80
20400 90250	Soil	0.2	125.4	4.2	88	<0.1	10.0	11.4	576	3.51	3.0	0.2	0.7	1.8	70	<0.1	0.1	<0.1	97	0.71
20400 90300	Soil	0.3	54.2	8.3	59	<0.1	19.1	8.9	745	2.68	2.6	0.5	2.9	2.1	27	0.1	0.2	<0.1	63	0.50
20400 90350	Soil	0.2	12.9	4.2	113	<0.1	10.2	24.2	895	5.24	1.2	1.0	0.5	4.4	31	<0.1	0.1	<0.1	174	0.95
20400 90400	Soil	0.4	8.2	4.4	60	<0.1	12.0	17.2	832	4.31	4.3	0.4	0.7	2.9	27	<0.1	0.3	<0.1	108	0.37
20400 90450	Soil	0.4	8.3	4.7	62	<0.1	9.7	19.2	569	3.77	3.7	0.2	<0.5	2.5	31	<0.1	0.2	<0.1	98	0.38
20400 90500	Soil	0.6	7.2	8.8	73	<0.1	8.2	14.4	686	4.24	2.5	0.5	0.5	3.0	14	<0.1	0.2	<0.1	76	0.25
20400 90550	Soil	0.3	19.1	3.4	112	<0.1	17.5	29.2	995	6.34	2.9	0.5	0.6	3.0	17	<0.1	0.1	<0.1	204	0.22
20400 90600	Soil	0.2	12.5	2.3	163	<0.1	17.2	36.6	1274	8.20	1.2	0.3	<0.5	2.0	23	<0.1	<0.1	<0.1	296	0.50
20400 90650	Soil	0.5	9.6	5.7	142	<0.1	20.8	27.0	1568	5.71	4.0	0.5	0.5	2.9	38	<0.1	0.3	<0.1	163	0.54
20400 90700	Soil	<0.1	126.9	1.5	147	<0.1	12.5	24.7	731	4.88	<0.5	0.3	1.0	2.6	19	<0.1	<0.1	<0.1	161	0.36
21200 91050	Soil	0.7	16.5	6.2	69	<0.1	12.6	10.4	442	2.74	4.7	0.6	1.2	3.7	30	0.1	0.3	<0.1	67	0.48
21200 91100	Soil	1.3	46.5	9.2	75	<0.1	21.4	15.4	710	3.31	6.3	1.7	6.6	4.3	40	0.2	0.4	0.1	79	0.63
21200 91150	Soil	4.8	25.2	7.2	65	<0.1	15.5	11.0	381	3.06	4.7	0.8	24.8	2.8	30	<0.1	0.4	0.1	87	0.49
21200 91200	Soil	4.6	21.0	7.3	72	0.1	13.8	10.8	454	3.15	4.1	0.9	5.9	3.4	36	0.1	0.3	<0.1	86	0.60
21200 91250	Soil	2.4	20.5	6.9	106	<0.1	15.3	14.0	648	3.39	5.0	0.7	5.4	3.7	38	0.2	0.3	<0.1	82	0.74
20900 88000	Soil	2.1	44.3	7.3	66	<0.1	23.4	14.5	329	3.85	3.5	0.8	2.9	3.7	19	<0.1	0.7	0.1	50	0.32
20900 88050	Soil	0.6	37.6	4.5	89	<0.1	26.6	25.0	653	4.51	4.4	0.4	0.7	2.6	40	<0.1	0.2	<0.1	77	0.77
20900 88100	Soil	0.9	31.1	6.9	72	<0.1	24.7	16.8	470	3.26	6.4	1.2	1.6	5.9	45	0.1	0.4	0.1	68	0.94
20900 88150	Soil	0.8	47.1	8.0	84	<0.1	54.9	27.4	769	5.03	3.0	0.7	<0.5	7.6	47	0.1	0.3	<0.1	97	0.58
20900 88200	Soil	0.5	40.8	5.3	77	<0.1	39.4	26.8	495	4.11	3.9	0.3	<0.5	3.4	38	<0.1	0.2	<0.1	90	0.43
20900 88250	Soil	0.9	35.5	7.5	76	<0.1	34.5	21.4	451	4.00	7.6	0.4	1.1	4.1	37	<0.1	0.3	<0.1	86	0.45
20900 88300	Soil	0.6	24.6	7.2	75	<0.1	33.4	18.0	419	3.52	7.4	0.6	2.8	4.2	40	0.1	0.4	0.1	80	0.54
20900 88350	Soil	0.8	44.3	6.8	62	<0.1	18.2	19.2	605	3.48	5.8	0.9	1.4	2.5	35	0.1	0.3	0.1	95	0.58
20900 88400	Soil	0.2	94.8	4.9	68	0.2	19.5	18.8	500	3.03	4.9	0.8	3.9	2.0	39	0.2	0.4	<0.1	85	1.22
20900 88450	Soil	0.3	63.6	6.3	66	0.1	31.4	19.2	413	3.12	5.2	1.1	3.5	3.4	38	0.1	0.3	0.1	90	1.02
20900 88500	Soil	0.2	82.2	4.3	77	0.1	24.4	22.1	537	3.49	3.6	1.3	2.8	2.1	42	0.2	0.3	<0.1	113	1.43



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
20400 90050	Soil	25	10	0.33	158	0.013	<1	1.01	0.014	0.05	<0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
20400 90100	Soil	17	15	0.86	162	0.086	<1	1.26	0.011	0.09	<0.1	<0.01	5.2	<0.1	<0.05	8	<0.5	<0.2
20400 90150	Soil	11	23	1.31	233	0.110	<1	1.88	0.040	0.21	<0.1	<0.01	5.5	<0.1	<0.05	7	0.5	<0.2
20400 90200	Soil	5	27	0.78	131	0.082	<1	1.66	0.055	0.21	<0.1	<0.01	6.0	<0.1	<0.05	6	0.6	<0.2
20400 90250	Soil	6	15	0.95	455	0.168	1	1.84	0.013	0.81	<0.1	<0.01	2.5	0.1	<0.05	7	<0.5	<0.2
20400 90300	Soil	13	20	1.38	133	0.069	<1	1.66	0.014	0.13	<0.1	0.03	6.0	<0.1	<0.05	6	<0.5	<0.2
20400 90350	Soil	19	21	3.21	981	0.257	2	3.42	0.024	1.83	<0.1	0.01	15.0	0.3	<0.05	13	<0.5	<0.2
20400 90400	Soil	10	21	1.67	390	0.198	2	2.57	0.021	0.70	<0.1	<0.01	10.7	0.2	<0.05	8	<0.5	<0.2
20400 90450	Soil	4	17	1.32	369	0.153	3	2.13	0.015	0.65	<0.1	<0.01	7.6	0.1	<0.05	8	<0.5	<0.2
20400 90500	Soil	7	12	0.62	478	0.091	3	1.35	0.013	0.53	<0.1	<0.01	6.6	0.1	<0.05	4	<0.5	<0.2
20400 90550	Soil	12	37	3.47	556	0.342	<1	3.72	0.023	1.83	<0.1	<0.01	16.0	0.3	<0.05	14	<0.5	<0.2
20400 90600	Soil	11	51	4.86	1222	0.440	1	4.91	0.030	3.81	<0.1	<0.01	28.0	0.8	<0.05	18	<0.5	<0.2
20400 90650	Soil	12	39	2.64	793	0.187	2	3.28	0.015	1.22	<0.1	0.01	16.5	0.3	<0.05	13	<0.5	<0.2
20400 90700	Soil	8	36	2.41	922	0.340	<1	2.67	0.024	2.18	<0.1	<0.01	5.3	0.4	<0.05	9	<0.5	<0.2
21200 91050	Soil	14	20	0.73	351	0.117	2	1.51	0.021	0.26	0.1	0.02	5.1	0.1	<0.05	6	<0.5	<0.2
21200 91100	Soil	28	31	0.70	1032	0.088	2	1.78	0.021	0.15	0.1	0.04	11.8	<0.1	<0.05	6	0.5	<0.2
21200 91150	Soil	19	27	0.72	707	0.106	2	1.64	0.018	0.16	0.1	0.04	6.9	<0.1	<0.05	6	<0.5	<0.2
21200 91200	Soil	24	27	0.73	629	0.121	2	1.78	0.020	0.17	<0.1	0.04	5.9	<0.1	<0.05	7	<0.5	<0.2
21200 91250	Soil	15	27	0.83	423	0.103	3	1.69	0.022	0.22	<0.1	0.01	6.0	<0.1	<0.05	7	<0.5	<0.2
20900 88000	Soil	13	27	0.57	356	0.026	2	1.61	0.008	0.17	0.1	0.02	6.0	0.1	<0.05	5	<0.5	<0.2
20900 88050	Soil	8	36	1.45	367	0.169	1	2.60	0.014	0.50	<0.1	<0.01	3.0	0.2	<0.05	6	<0.5	<0.2
20900 88100	Soil	20	43	0.90	323	0.082	1	1.87	0.019	0.16	0.2	0.03	4.9	<0.1	<0.05	6	<0.5	<0.2
20900 88150	Soil	19	102	1.75	247	0.156	2	2.81	0.017	0.31	0.2	0.01	5.5	0.1	<0.05	9	<0.5	<0.2
20900 88200	Soil	5	49	1.56	239	0.229	1	2.53	0.020	0.63	0.2	0.01	2.5	0.2	<0.05	7	<0.5	<0.2
20900 88250	Soil	10	59	1.28	246	0.190	1	2.74	0.018	0.18	0.2	<0.01	2.9	0.1	<0.05	7	<0.5	<0.2
20900 88300	Soil	14	55	1.06	237	0.131	2	2.09	0.022	0.12	0.1	0.01	4.4	<0.1	<0.05	7	<0.5	<0.2
20900 88350	Soil	10	26	1.19	351	0.156	1	2.29	0.017	0.13	<0.1	0.02	5.0	<0.1	<0.05	7	<0.5	<0.2
20900 88400	Soil	15	23	1.08	382	0.127	2	1.95	0.022	0.30	0.1	0.05	6.0	<0.1	<0.05	6	<0.5	<0.2
20900 88450	Soil	19	42	1.29	379	0.173	2	2.11	0.022	0.31	0.1	0.04	5.8	0.1	<0.05	7	<0.5	<0.2
20900 88500	Soil	15	31	1.63	426	0.164	2	2.33	0.024	0.45	<0.1	0.04	7.0	0.1	<0.05	7	<0.5	<0.2



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Project: Mariposa
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
20900 88550	Soil	0.5	58.4	6.7	61	0.1	22.8	14.5	371	2.60	11.5	1.4	2.2	3.3	41	0.2	0.4	0.1	74	1.17	0.110
20900 88600	Soil	1.1	42.0	10.2	70	0.2	19.0	14.2	387	2.85	24.5	1.4	2.3	4.9	38	0.2	0.4	0.1	67	1.00	0.071
20900 88650	Soil	0.6	48.7	9.0	73	0.2	34.0	15.1	511	2.92	25.1	1.4	2.1	4.1	43	0.2	0.4	0.1	72	1.04	0.103
20900 88700	Soil	0.6	29.5	10.0	71	0.1	16.0	13.1	375	2.79	13.3	1.5	1.4	9.8	28	0.2	0.3	0.1	63	0.66	0.099
20900 88800	Soil	0.5	35.5	9.9	71	<0.1	81.2	19.3	404	3.32	7.8	2.6	1.1	10.7	71	0.2	0.3	0.1	74	0.99	0.201
20900 88850	Soil	1.3	38.9	16.7	112	0.3	61.0	14.6	435	3.18	10.9	4.1	5.0	10.6	79	0.2	0.2	0.3	65	0.75	0.207
20900 88900	Soil	1.6	15.4	51.0	83	0.3	8.4	4.9	159	2.52	21.5	2.3	10.0	10.6	33	0.1	0.3	1.8	37	0.13	0.038
20900 88950	Soil	7.2	16.0	42.1	63	0.1	8.5	4.7	111	3.69	12.4	1.9	2.3	14.5	42	0.1	0.4	6.0	40	0.04	0.053
20900 89000	Soil	5.4	20.0	37.8	119	0.4	10.3	5.3	262	3.41	12.2	1.4	4.4	11.8	38	0.1	0.3	2.5	33	0.23	0.080
21000 88000	Soil	0.9	63.9	6.6	61	<0.1	44.1	25.5	395	3.50	6.4	0.5	0.9	3.6	35	<0.1	0.3	<0.1	87	0.46	0.051
21000 88050	Soil	2.2	45.3	4.1	100	<0.1	31.6	26.4	808	4.71	3.0	0.6	1.6	3.5	50	<0.1	0.2	<0.1	102	0.78	0.137
21000 88100	Soil	0.7	49.2	8.0	84	<0.1	38.9	23.8	661	4.62	6.2	0.8	2.2	6.8	47	<0.1	0.4	0.1	92	0.86	0.084
21000 88150	Soil	0.8	56.4	8.5	98	<0.1	43.5	25.7	685	5.41	4.4	0.9	<0.5	11.2	42	<0.1	0.4	0.1	84	0.46	0.053
21000 88200	Soil	1.1	25.6	9.7	83	<0.1	28.6	16.3	491	4.00	7.5	0.5	1.6	5.2	33	0.1	0.5	0.2	76	0.31	0.036
21000 88250	Soil	1.1	27.0	6.9	76	<0.1	23.7	17.4	630	3.78	5.0	0.5	2.2	3.6	32	<0.1	0.3	0.1	68	0.37	0.064
21000 88300	Soil	0.7	29.4	5.8	97	<0.1	29.5	21.2	812	4.39	3.1	0.7	2.0	3.9	41	<0.1	0.2	<0.1	67	0.63	0.118
21000 88400	Soil	0.7	49.3	7.0	71	0.1	17.2	14.9	546	3.40	5.6	0.9	2.5	3.0	29	0.2	0.3	0.1	81	0.88	0.079
21000 88600	Soil	0.7	19.8	13.0	65	<0.1	12.4	9.3	382	2.74	15.4	1.6	1.3	18.5	20	<0.1	0.3	<0.1	49	0.46	0.052
21000 88650	Soil	0.6	27.9	8.6	67	0.1	20.7	9.5	364	2.55	11.6	1.8	<0.5	10.9	38	0.1	0.3	0.1	46	0.95	0.077
21000 88700	Soil	0.6	20.5	10.0	75	<0.1	18.2	11.4	435	2.85	10.3	2.3	0.8	17.3	23	0.1	0.2	<0.1	49	0.58	0.070
21000 88750	Soil	0.5	23.9	7.3	78	<0.1	31.0	10.9	344	2.59	10.1	3.6	1.5	23.3	49	<0.1	0.1	<0.1	35	0.61	0.139
21000 88800	Soil	0.6	23.9	9.0	67	<0.1	72.0	15.6	406	2.95	8.9	2.0	<0.5	12.1	72	<0.1	0.2	0.1	57	0.89	0.161
21000 88900	Soil	1.8	27.7	58.7	51	0.6	11.2	3.3	70	3.48	12.8	4.4	15.7	10.7	42	0.2	0.2	9.7	24	0.12	0.053
21000 88950	Soil	4.8	29.7	231.5	101	0.4	11.4	4.3	121	3.83	19.7	2.8	1.6	14.1	39	<0.1	0.3	2.5	29	0.07	0.040
21000 89000	Soil	2.0	21.2	48.3	73	0.2	8.8	3.9	118	2.83	18.8	2.1	3.4	10.4	34	<0.1	0.3	1.1	32	0.09	0.025
21000 89050	Soil	1.5	56.2	166.6	60	0.8	7.5	3.5	180	3.16	25.4	2.4	11.0	8.3	45	0.3	0.8	4.4	37	0.10	0.029
21000 89100	Soil	1.4	43.7	60.3	108	0.3	6.4	2.6	138	2.66	16.9	1.7	4.9	8.1	32	0.2	0.4	2.4	31	0.10	0.028
21000 89150	Soil	1.8	32.4	131.7	148	0.7	10.1	2.4	288	2.75	14.5	3.3	22.1	11.4	49	0.2	0.3	3.2	29	0.17	0.042
21000 89200	Soil	2.0	26.4	142.4	108	5.6	8.9	3.6	161	3.13	28.7	2.3	63.0	12.7	30	0.2	0.5	5.0	33	0.09	0.033
21000 89250	Soil	1.8	56.7	85.4	182	1.5	8.6	4.6	256	3.04	12.6	2.6	10.4	11.5	35	0.2	0.2	1.9	33	0.10	0.041



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
20900 88550	Soil	14	28	0.90	344	0.111	1	1.62	0.019	0.20	0.1	0.04	5.2	0.1	<0.05	5	<0.5	<0.2
20900 88600	Soil	17	23	0.71	320	0.117	2	1.52	0.019	0.21	<0.1	0.03	4.6	0.1	<0.05	5	<0.5	<0.2
20900 88650	Soil	21	37	0.93	364	0.145	2	1.74	0.018	0.28	0.1	0.03	4.9	0.2	<0.05	5	<0.5	<0.2
20900 88700	Soil	25	22	0.65	259	0.129	1	1.48	0.018	0.30	0.1	0.03	4.2	0.2	<0.05	5	<0.5	<0.2
20900 88800	Soil	40	106	1.44	705	0.169	1	1.95	0.020	0.19	0.1	0.02	5.8	0.2	<0.05	7	<0.5	<0.2
20900 88850	Soil	53	96	1.12	631	0.150	1	2.03	0.016	0.20	<0.1	0.02	6.7	0.2	<0.05	7	<0.5	0.4
20900 88900	Soil	23	19	0.37	151	0.063	<1	1.45	0.021	0.09	<0.1	0.02	2.5	0.1	0.07	4	1.0	2.9
20900 88950	Soil	29	18	0.23	159	0.043	<1	1.83	0.025	0.08	<0.1	0.01	2.2	<0.1	0.10	5	0.8	<0.2
20900 89000	Soil	15	16	0.24	195	0.033	1	1.23	0.020	0.09	<0.1	0.01	2.3	<0.1	<0.05	3	1.2	0.4
21000 88000	Soil	15	49	1.22	350	0.172	<1	2.26	0.021	0.16	<0.1	<0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
21000 88050	Soil	10	67	2.23	429	0.182	<1	2.85	0.015	0.82	0.1	0.01	4.0	0.3	<0.05	8	<0.5	<0.2
21000 88100	Soil	26	73	1.52	312	0.169	2	2.57	0.022	0.33	0.2	0.03	6.1	0.2	<0.05	8	<0.5	<0.2
21000 88150	Soil	26	103	2.09	196	0.242	1	3.21	0.014	0.52	0.2	<0.01	4.4	0.3	<0.05	9	<0.5	0.2
21000 88200	Soil	10	46	1.16	254	0.183	1	2.63	0.013	0.22	0.1	0.01	3.0	0.2	<0.05	7	<0.5	<0.2
21000 88250	Soil	9	45	1.28	244	0.184	<1	2.33	0.011	0.28	0.2	<0.01	2.4	0.2	<0.05	7	<0.5	<0.2
21000 88300	Soil	12	69	1.75	388	0.217	1	2.41	0.013	0.62	0.1	0.01	3.1	0.2	<0.05	7	<0.5	<0.2
21000 88400	Soil	17	23	0.97	293	0.141	1	1.86	0.020	0.28	<0.1	0.02	4.9	0.1	<0.05	7	<0.5	<0.2
21000 88600	Soil	46	19	0.56	214	0.120	<1	1.50	0.011	0.44	<0.1	0.02	3.2	0.4	<0.05	5	<0.5	<0.2
21000 88650	Soil	40	23	0.69	287	0.120	1	1.48	0.012	0.36	<0.1	0.02	3.3	0.3	0.05	5	<0.5	<0.2
21000 88700	Soil	41	33	0.77	250	0.164	1	1.52	0.011	0.54	<0.1	0.01	2.7	0.4	<0.05	5	0.5	<0.2
21000 88750	Soil	71	50	0.97	378	0.195	<1	1.69	0.011	0.65	<0.1	<0.01	3.2	0.5	<0.05	6	<0.5	<0.2
21000 88800	Soil	41	97	1.30	474	0.132	<1	1.82	0.017	0.17	0.1	<0.01	3.9	0.3	<0.05	5	<0.5	<0.2
21000 88900	Soil	38	17	0.19	186	0.019	2	1.37	0.015	0.06	<0.1	0.04	2.6	<0.1	0.08	4	1.5	0.6
21000 88950	Soil	30	19	0.25	189	0.045	<1	1.24	0.021	0.07	<0.1	<0.01	2.7	<0.1	0.10	4	3.2	<0.2
21000 89000	Soil	26	17	0.33	162	0.047	<1	1.34	0.024	0.07	<0.1	0.02	2.3	<0.1	0.10	4	3.5	<0.2
21000 89050	Soil	27	21	0.47	213	0.089	<1	1.78	0.055	0.14	<0.1	0.03	2.8	0.2	0.29	5	18.3	0.4
21000 89100	Soil	21	14	0.34	168	0.045	<1	1.48	0.025	0.11	<0.1	0.02	2.4	0.2	0.11	5	2.8	0.4
21000 89150	Soil	31	16	0.59	202	0.102	<1	1.77	0.042	0.27	<0.1	0.10	2.4	0.4	0.25	5	7.7	0.8
21000 89200	Soil	26	18	0.35	155	0.045	<1	1.55	0.038	0.12	<0.1	0.09	2.1	0.2	0.21	5	6.5	2.6
21000 89250	Soil	27	14	0.46	162	0.088	<1	1.57	0.014	0.26	<0.1	0.03	1.9	0.4	0.08	5	1.4	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
21000 89300	Soil	1.6	33.0	113.3	117	0.5	12.4	6.0	226	2.69	14.9	1.8	11.3	10.8	21	0.5	0.4	1.1	48	0.10	0.034
21000 89350	Soil	1.1	26.2	21.6	175	0.1	19.4	14.5	376	3.20	15.0	1.6	8.0	10.8	16	0.3	0.5	0.4	59	0.13	0.031
21000 89400	Soil	1.4	16.2	50.9	223	0.3	12.5	7.3	668	1.83	402.0	2.4	4.4	20.7	22	0.8	0.4	0.5	26	0.25	0.067
21000 89450	Soil	1.7	26.6	11.3	132	<0.1	12.6	8.6	640	3.41	33.7	1.5	6.2	3.5	19	<0.1	0.2	0.2	49	0.33	0.065
21000 89500	Soil	1.0	17.7	12.1	131	<0.1	11.9	13.5	691	3.19	25.3	0.6	2.9	2.3	25	0.2	0.2	0.1	51	0.37	0.092
20000 89800	Soil	1.2	22.1	20.5	70	0.1	4.9	5.8	256	4.37	11.6	3.9	7.0	16.1	49	<0.1	0.3	0.1	32	0.25	0.079
20000 89850	Soil	2.4	24.0	16.1	123	<0.1	17.9	18.1	722	4.36	6.6	3.9	4.8	16.8	29	0.2	0.2	0.2	46	0.44	0.084
20000 89900	Soil	0.4	28.7	5.7	104	<0.1	12.4	14.6	1369	5.04	2.0	0.9	27.0	5.8	23	0.2	0.2	0.1	92	0.44	0.098
20000 89950	Soil	0.3	7.6	5.0	146	<0.1	20.1	15.4	1223	4.38	3.3	0.9	1.1	3.0	76	<0.1	0.2	<0.1	61	0.85	0.112
20000 90000	Soil	0.2	4.5	3.0	78	<0.1	6.3	12.9	1120	4.13	1.1	1.0	0.8	4.9	26	<0.1	0.1	<0.1	53	0.60	0.184
20000 90050	Soil	0.2	4.4	4.5	121	<0.1	7.8	15.7	836	4.09	3.5	0.4	<0.5	2.3	55	<0.1	0.2	<0.1	56	0.82	0.162
20000 90100	Soil	0.2	14.4	5.1	171	<0.1	21.5	24.3	1055	5.40	3.8	1.1	1.7	4.8	46	<0.1	0.1	<0.1	112	0.91	0.202
20000 90150	Soil	0.3	5.9	4.3	82	<0.1	7.7	12.2	733	5.01	2.8	0.7	0.6	5.1	27	<0.1	0.1	<0.1	105	0.45	0.140
20000 90200	Soil	0.4	9.6	5.4	100	<0.1	10.3	23.0	1101	6.41	4.6	0.5	0.6	3.0	22	<0.1	0.2	<0.1	236	0.36	0.109
20000 90250	Soil	0.4	10.2	6.2	172	<0.1	10.7	29.4	1542	7.15	2.0	1.2	3.6	2.9	28	<0.1	0.2	<0.1	168	0.48	0.152
20000 90300	Soil	0.4	8.9	4.5	99	<0.1	12.0	18.4	656	4.75	4.7	0.6	1.2	3.3	22	<0.1	0.2	<0.1	115	0.42	0.145
20000 90350	Soil	0.4	7.2	11.8	83	<0.1	8.0	12.0	775	3.71	2.5	0.5	1.3	2.2	26	<0.1	0.1	<0.1	68	0.43	0.127
20000 90400	Soil	0.2	3.9	2.2	69	<0.1	7.1	19.0	825	4.27	1.6	0.5	0.6	2.8	20	<0.1	<0.1	<0.1	143	0.59	0.178
20000 90450	Soil	0.8	14.9	11.6	131	<0.1	14.9	23.0	1067	5.84	5.1	0.6	<0.5	4.2	27	<0.1	0.2	<0.1	127	0.39	0.119
20000 90500	Soil	1.5	42.7	10.3	138	<0.1	10.0	27.7	1278	7.37	3.2	0.7	0.6	3.5	28	<0.1	0.2	<0.1	141	0.37	0.116
20500 89850	Soil	1.2	25.2	6.8	141	<0.1	8.4	18.1	862	5.17	23.6	0.9	1.3	4.9	26	0.1	0.2	0.1	99	0.47	0.049
20500 89900	Soil	1.8	51.6	12.9	143	0.4	43.8	24.1	1519	5.88	6.7	1.1	15.4	5.9	32	0.3	0.3	0.2	111	0.61	0.116
20500 89950	Soil	1.1	40.2	194.0	576	0.7	7.3	8.8	1162	4.73	4.1	1.0	7.0	6.9	19	1.4	0.3	0.2	62	0.43	0.127
20500 90000	Soil	0.7	47.9	25.9	189	<0.1	12.8	12.0	1570	4.29	4.8	0.7	0.6	6.3	27	0.5	0.3	0.2	60	0.41	0.074
20500 90050	Soil	0.6	67.1	11.3	85	<0.1	42.5	14.6	650	3.82	6.6	0.9	0.9	3.8	77	<0.1	0.4	<0.1	92	0.52	0.047
20500 90100	Soil	0.3	70.6	9.7	117	<0.1	99.6	26.0	820	5.44	4.1	0.9	0.7	5.8	100	<0.1	0.2	0.1	128	0.92	0.212
20500 90150	Soil	0.4	40.3	10.5	70	<0.1	37.0	12.3	457	3.43	5.9	1.2	29.2	4.9	22	<0.1	0.3	<0.1	86	0.19	0.031
20500 90200	Soil	0.5	23.3	9.3	101	<0.1	20.1	19.1	967	5.45	6.3	0.5	0.8	4.9	21	<0.1	0.4	<0.1	146	0.24	0.039
20500 90250	Soil	0.3	14.0	3.6	130	<0.1	28.1	35.8	1187	8.05	3.1	0.6	<0.5	4.2	25	<0.1	0.2	<0.1	218	0.33	0.045
20500 90300	Soil	0.4	25.7	5.3	322	<0.1	16.0	25.7	1636	6.52	3.6	0.5	<0.5	2.9	34	<0.1	0.2	<0.1	192	0.62	0.129



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Project: Mariposa
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
21000 89300	Soil	22	27	0.44	155	0.056	1	1.84	0.017	0.11	0.1	0.04	2.8	0.2	<0.05	5	1.2	<0.2
21000 89350	Soil	15	33	0.62	158	0.084	<1	2.61	0.011	0.12	0.1	0.02	3.5	0.2	<0.05	7	<0.5	0.4
21000 89400	Soil	35	15	0.31	200	0.021	<1	1.26	0.009	0.10	<0.1	0.02	1.9	0.1	<0.05	4	<0.5	<0.2
21000 89450	Soil	29	11	1.39	259	0.168	<1	2.32	0.011	0.58	0.2	0.03	3.1	0.5	<0.05	6	0.6	<0.2
21000 89500	Soil	10	17	0.99	208	0.100	1	2.37	0.013	0.26	<0.1	0.01	2.0	0.2	<0.05	6	<0.5	<0.2
20000 89800	Soil	32	12	0.61	396	0.131	1	1.32	0.031	0.23	<0.1	<0.01	3.1	0.2	0.26	4	<0.5	0.8
20000 89850	Soil	34	21	0.65	492	0.060	<1	2.06	0.009	0.39	<0.1	<0.01	3.7	<0.1	<0.05	7	<0.5	0.4
20000 89900	Soil	29	20	1.05	418	0.012	<1	2.16	0.010	0.16	<0.1	0.03	11.5	<0.1	<0.05	11	0.6	<0.2
20000 89950	Soil	16	88	1.42	301	0.230	<1	2.56	0.020	0.08	<0.1	<0.01	11.7	<0.1	<0.05	13	<0.5	<0.2
20000 90000	Soil	18	8	1.10	446	0.141	<1	1.91	0.011	0.34	<0.1	<0.01	7.7	<0.1	<0.05	9	<0.5	<0.2
20000 90050	Soil	7	11	1.24	218	0.270	1	2.31	0.018	0.76	<0.1	<0.01	6.3	0.2	<0.05	10	<0.5	<0.2
20000 90100	Soil	31	30	3.12	335	0.252	<1	3.27	0.018	0.35	<0.1	<0.01	13.5	<0.1	<0.05	17	<0.5	<0.2
20000 90150	Soil	11	12	1.75	357	0.271	<1	2.68	0.014	1.24	<0.1	<0.01	10.6	0.3	<0.05	12	<0.5	<0.2
20000 90200	Soil	14	19	2.96	511	0.443	<1	3.82	0.024	1.65	<0.1	<0.01	12.7	0.5	<0.05	13	<0.5	<0.2
20000 90250	Soil	27	20	2.91	427	0.087	<1	3.88	0.016	0.31	<0.1	0.02	18.7	<0.1	<0.05	21	0.5	<0.2
20000 90300	Soil	13	19	2.14	338	0.242	2	3.21	0.018	1.08	<0.1	<0.01	9.5	0.3	<0.05	11	<0.5	<0.2
20000 90350	Soil	10	12	1.21	536	0.182	1	2.31	0.019	0.87	<0.1	<0.01	6.5	0.2	<0.05	10	<0.5	<0.2
20000 90400	Soil	14	18	2.60	473	0.223	<1	2.93	0.026	1.42	<0.1	<0.01	14.0	0.2	<0.05	11	<0.5	<0.2
20000 90450	Soil	14	22	1.83	517	0.207	<1	2.96	0.012	0.90	<0.1	0.01	8.5	0.2	<0.05	14	<0.5	<0.2
20000 90500	Soil	14	20	1.75	595	0.235	<1	2.83	0.014	0.65	<0.1	<0.01	8.7	0.1	<0.05	9	<0.5	<0.2
20500 89850	Soil	13	12	1.61	373	0.212	<1	2.52	0.012	1.06	<0.1	0.01	6.1	0.4	<0.05	10	<0.5	<0.2
20500 89900	Soil	32	69	1.96	544	0.012	<1	2.70	0.006	0.12	<0.1	0.04	13.2	<0.1	<0.05	10	<0.5	<0.2
20500 89950	Soil	26	13	0.62	383	0.014	<1	1.69	0.008	0.23	<0.1	0.04	5.8	<0.1	<0.05	8	0.7	0.3
20500 90000	Soil	26	20	0.86	434	0.024	<1	1.81	0.010	0.13	<0.1	<0.01	5.6	<0.1	<0.05	9	<0.5	<0.2
20500 90050	Soil	14	64	1.26	251	0.182	<1	2.28	0.019	0.16	<0.1	0.01	7.9	<0.1	<0.05	10	<0.5	<0.2
20500 90100	Soil	22	161	2.78	876	0.371	<1	3.22	0.027	1.02	<0.1	0.01	7.8	0.4	<0.05	12	<0.5	<0.2
20500 90150	Soil	37	64	1.09	330	0.171	1	1.80	0.013	0.47	<0.1	0.04	6.9	0.1	<0.05	7	<0.5	<0.2
20500 90200	Soil	14	20	1.44	457	0.273	<1	2.68	0.016	1.10	<0.1	0.02	9.0	0.3	<0.05	10	<0.5	<0.2
20500 90250	Soil	14	62	4.10	787	0.365	1	4.51	0.015	2.60	<0.1	<0.01	24.8	0.5	<0.05	17	<0.5	<0.2
20500 90300	Soil	10	23	2.95	974	0.381	2	3.68	0.021	1.80	<0.1	0.01	13.8	0.3	<0.05	15	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
20500 90350	Soil	1.5	28.9	10.5	77	<0.1	18.1	13.2	518	3.63	7.9	0.4	14.1	2.4	27	<0.1	0.6	0.1	81	0.31	0.030
20500 90400	Soil	0.8	41.5	7.3	68	<0.1	22.3	12.6	551	3.97	7.0	0.9	4.2	4.4	34	<0.1	0.5	0.1	85	0.40	0.036
20500 90500	Soil	0.5	16.4	5.5	155	<0.1	26.2	23.3	951	5.24	4.3	0.4	<0.5	2.2	30	<0.1	0.2	<0.1	153	0.36	0.043
20500 90550	Soil	0.2	8.3	4.9	83	<0.1	17.9	26.9	868	4.92	2.5	0.6	<0.5	1.7	50	<0.1	0.1	<0.1	99	0.58	0.155
20500 90600	Soil	0.7	24.9	7.8	62	<0.1	19.5	11.9	748	3.95	6.6	0.9	1.5	4.2	32	<0.1	0.4	0.1	98	0.37	0.074
20500 90650	Soil	0.7	19.8	8.0	84	<0.1	19.0	15.3	986	4.61	5.6	0.6	1.7	3.1	25	<0.1	0.5	0.1	119	0.50	0.041
20500 90700	Soil	0.9	14.8	9.8	83	<0.1	43.6	14.7	710	4.02	7.7	0.4	<0.5	3.1	20	0.1	0.4	0.1	86	0.19	0.062
20500 90750	Soil	0.6	16.2	9.0	68	<0.1	17.4	11.4	450	3.20	7.4	0.4	<0.5	3.0	18	<0.1	0.4	<0.1	72	0.16	0.022
20100 89800	Soil	1.1	20.7	27.7	86	0.1	22.0	8.6	312	3.09	14.1	2.0	4.7	8.8	38	<0.1	0.3	1.0	53	0.34	0.050
20100 89850	Soil	1.5	55.3	57.8	136	0.3	79.4	18.6	594	4.22	6.9	3.4	8.8	15.5	108	0.2	0.3	2.8	61	0.81	0.196
20100 89900	Soil	0.5	41.1	6.3	146	0.1	27.2	27.7	1420	6.42	3.2	1.3	17.7	2.9	41	<0.1	0.4	<0.1	163	0.81	0.133
20100 89950	Soil	0.5	19.6	10.1	109	<0.1	20.8	23.1	1084	5.51	5.2	1.0	2.1	3.4	47	<0.1	0.4	<0.1	126	0.67	0.069
20100 90000	Soil	0.3	39.7	5.2	92	<0.1	19.0	23.6	697	5.34	4.0	0.6	<0.5	1.9	43	<0.1	0.2	<0.1	122	0.69	0.106
20100 90050	Soil	0.4	37.7	23.3	83	<0.1	85.4	23.2	875	4.95	4.5	1.4	1.5	9.8	102	<0.1	0.2	0.2	107	0.76	0.210
20100 90100	Soil	0.5	9.1	5.8	99	<0.1	17.8	26.6	743	5.11	4.2	0.5	1.0	2.7	28	<0.1	0.2	<0.1	107	0.56	0.150
20100 90150	Soil	0.4	15.5	7.5	111	<0.1	11.9	14.1	462	4.02	4.7	0.9	1.9	3.8	52	<0.1	0.2	<0.1	85	0.57	0.129
20100 90200	Soil	0.3	44.0	4.5	101	<0.1	15.1	23.6	754	4.67	2.9	0.5	<0.5	1.9	59	<0.1	0.1	<0.1	117	0.99	0.154
20100 90250	Soil	0.4	32.0	9.6	83	<0.1	12.8	17.4	652	3.93	4.1	0.3	0.9	1.7	46	<0.1	0.2	<0.1	103	0.62	0.078
20100 90300	Soil	0.6	46.2	5.2	115	<0.1	14.0	20.4	737	5.50	2.6	0.6	3.2	1.8	39	<0.1	0.2	<0.1	127	0.77	0.121
20100 90350	Soil	1.4	70.5	5.1	85	<0.1	23.3	18.7	618	4.01	5.4	0.7	3.9	2.9	26	<0.1	0.2	<0.1	97	0.37	0.055
20100 90400	Soil	3.0	98.7	4.4	120	<0.1	13.1	30.1	788	7.01	2.6	1.5	0.5	2.2	42	<0.1	0.1	<0.1	186	0.31	0.084
20100 90450	Soil	0.7	31.4	7.5	103	<0.1	11.2	16.9	915	5.16	2.3	0.6	28.3	3.1	29	<0.1	0.2	<0.1	93	0.38	0.115
20100 90500	Soil	1.2	132.9	9.2	124	<0.1	9.2	14.5	867	5.48	3.0	0.5	0.9	2.9	28	<0.1	0.2	<0.1	98	0.40	0.079
20100 90550	Soil	0.8	203.5	18.9	344	<0.1	16.4	26.8	1120	7.09	3.6	0.8	2.8	2.4	43	0.2	0.2	<0.1	198	0.59	0.066
20100 90600	Soil	5.1	135.5	15.1	188	<0.1	16.9	21.9	1192	6.75	3.1	0.4	2.8	1.9	23	<0.1	0.2	0.1	114	0.49	0.098
20100 90650	Soil	1.9	79.6	6.8	99	0.1	10.1	14.6	693	5.37	4.2	0.5	1.6	1.9	29	<0.1	0.2	0.1	119	0.44	0.059
20100 90700	Soil	1.7	80.1	6.9	120	<0.1	26.4	16.1	810	5.32	5.7	0.5	1.2	2.6	24	<0.1	0.2	<0.1	123	0.31	0.067
20900 89050	Soil	2.9	20.4	32.3	63	0.2	9.0	3.3	94	4.12	16.5	1.0	0.8	10.3	46	<0.1	0.3	1.3	36	0.07	0.044
20900 89100	Soil	1.5	20.0	27.1	76	<0.1	5.7	2.7	151	3.41	14.1	1.7	1.4	8.6	54	<0.1	0.3	1.8	33	0.09	0.046
20900 89150	Soil	2.3	32.0	56.0	50	0.2	8.9	3.0	116	2.83	16.7	1.6	2.4	8.5	35	0.1	0.3	1.3	38	0.09	0.025



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
20500 90350	Soil	7	28	0.87	671	0.095	2	1.88	0.010	0.36	<0.1	0.01	4.6	<0.1	<0.05	7	<0.5	<0.2
20500 90400	Soil	17	32	1.08	439	0.176	<1	2.09	0.018	0.16	0.1	0.05	6.9	<0.1	<0.05	7	<0.5	<0.2
20500 90500	Soil	13	45	2.82	599	0.307	1	3.46	0.016	1.25	<0.1	0.01	9.4	0.4	<0.05	11	<0.5	<0.2
20500 90550	Soil	9	30	1.92	399	0.200	1	2.49	0.017	0.56	<0.1	<0.01	5.4	0.1	<0.05	9	<0.5	<0.2
20500 90600	Soil	13	34	1.15	393	0.149	1	2.22	0.016	0.39	<0.1	0.02	7.3	0.2	<0.05	8	<0.5	<0.2
20500 90650	Soil	11	35	1.19	533	0.162	<1	2.26	0.013	0.48	0.1	0.03	10.6	0.2	<0.05	9	<0.5	<0.2
20500 90700	Soil	9	75	1.06	319	0.154	1	2.26	0.010	0.31	0.1	0.01	4.7	0.1	<0.05	8	<0.5	<0.2
20500 90750	Soil	6	26	0.77	240	0.133	<1	2.06	0.012	0.25	<0.1	0.01	3.6	0.1	<0.05	7	<0.5	<0.2
20100 89800	Soil	22	42	0.58	341	0.081	<1	1.52	0.021	0.09	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	0.2
20100 89850	Soil	52	163	1.65	534	0.155	1	2.22	0.044	0.19	0.4	0.03	5.6	0.2	0.11	7	1.3	<0.2
20100 89900	Soil	21	72	2.89	456	0.138	<1	3.97	0.009	0.20	<0.1	0.04	21.6	<0.1	<0.05	16	0.7	<0.2
20100 89950	Soil	16	32	1.58	327	0.229	<1	2.76	0.022	0.15	0.1	0.02	11.4	<0.1	<0.05	12	0.6	<0.2
20100 90000	Soil	9	35	1.65	368	0.345	<1	2.68	0.024	1.20	<0.1	0.01	4.8	0.2	<0.05	9	0.6	<0.2
20100 90050	Soil	41	132	2.46	934	0.339	1	2.76	0.025	0.89	<0.1	0.02	7.7	0.3	<0.05	12	<0.5	<0.2
20100 90100	Soil	12	20	2.49	411	0.240	<1	3.25	0.020	1.17	<0.1	<0.01	9.4	0.2	<0.05	13	<0.5	<0.2
20100 90150	Soil	19	13	1.43	218	0.211	<1	2.24	0.018	0.42	<0.1	<0.01	4.7	<0.1	<0.05	13	<0.5	<0.2
20100 90200	Soil	11	24	1.71	256	0.217	2	2.52	0.032	0.15	<0.1	<0.01	5.3	<0.1	<0.05	9	<0.5	<0.2
20100 90250	Soil	4	19	1.24	341	0.232	2	2.24	0.023	0.80	<0.1	<0.01	3.5	<0.1	<0.05	8	<0.5	<0.2
20100 90300	Soil	12	21	1.67	450	0.270	<1	2.61	0.030	0.74	<0.1	0.02	5.4	0.2	<0.05	9	<0.5	<0.2
20100 90350	Soil	20	23	1.65	421	0.259	<1	2.61	0.033	0.43	<0.1	0.03	7.4	0.2	<0.05	7	<0.5	0.2
20100 90400	Soil	13	31	1.98	643	0.303	<1	2.98	0.019	1.45	<0.1	0.01	7.7	0.3	<0.05	11	<0.5	<0.2
20100 90450	Soil	14	19	1.64	275	0.049	<1	2.64	0.010	0.23	<0.1	<0.01	5.5	<0.1	<0.05	9	<0.5	<0.2
20100 90500	Soil	17	14	1.76	448	0.187	<1	2.76	0.012	0.31	<0.1	<0.01	2.8	<0.1	<0.05	8	<0.5	0.3
20100 90550	Soil	14	54	1.88	402	0.331	1	3.18	0.023	0.15	<0.1	0.01	9.5	<0.1	<0.05	14	0.6	<0.2
20100 90600	Soil	7	22	1.56	580	0.099	2	2.37	0.019	0.48	<0.1	0.01	10.7	0.1	<0.05	10	<0.5	0.4
20100 90650	Soil	8	20	1.75	386	0.189	2	2.89	0.018	0.91	<0.1	0.01	9.5	0.2	<0.05	11	<0.5	0.4
20100 90700	Soil	8	42	1.74	552	0.305	<1	3.02	0.025	1.45	<0.1	<0.01	6.6	0.3	<0.05	10	<0.5	<0.2
20900 89050	Soil	27	16	0.25	129	0.026	<1	1.51	0.056	0.07	<0.1	0.02	2.0	<0.1	0.19	5	2.3	<0.2
20900 89100	Soil	32	15	0.40	161	0.077	1	1.45	0.072	0.13	<0.1	<0.01	1.9	<0.1	0.29	4	1.8	<0.2
20900 89150	Soil	24	17	0.30	150	0.054	1	1.45	0.035	0.08	<0.1	0.02	2.4	<0.1	0.12	5	1.8	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
20900 89200	Soil	2.5	13.6	134.4	234	0.2	5.2	1.7	200	3.34	15.4	3.9	2.0	15.4	74	0.3	0.2	0.7	22	0.06	0.081
20900 89250	Soil	1.3	103.2	200.3	54	2.2	3.2	1.5	115	1.88	16.5	5.7	123.4	14.2	56	0.1	0.4	12.9	15	0.07	0.025
20900 89300	Soil	2.2	123.5	108.0	47	1.0	6.2	4.3	111	3.46	102.9	1.7	21.7	19.9	46	0.3	0.2	3.9	10	0.06	0.066
20900 89350	Soil	1.5	26.9	57.3	223	0.7	12.5	10.8	282	3.23	8.9	2.4	2.8	8.6	23	0.5	0.3	0.7	45	0.12	0.033
20900 89400	Soil	3.0	14.3	46.3	41	0.1	7.8	3.2	97	2.78	29.6	1.9	3.9	10.9	47	<0.1	0.3	0.5	19	0.08	0.043
20900 89450	Soil	1.0	21.2	21.1	179	<0.1	14.7	10.8	357	2.93	8.8	2.1	3.1	14.8	28	0.2	0.3	0.3	39	0.11	0.038
20200 89750	Soil	1.3	18.1	27.0	37	<0.1	6.3	3.5	106	4.35	17.1	2.3	2.2	22.9	94	<0.1	0.2	0.3	7	0.14	0.071
20200 89800	Soil	1.6	40.4	25.7	86	0.4	35.1	11.5	463	3.16	7.0	2.6	9.7	7.8	98	0.2	0.2	1.7	66	1.05	0.110
20200 89850	Soil	2.1	27.6	24.5	95	0.4	25.5	9.7	421	3.37	11.0	2.3	6.6	8.1	97	0.2	0.3	1.3	66	0.88	0.065
20200 89900	Soil	0.8	40.0	7.6	119	0.3	15.9	17.8	1448	5.16	1.8	0.8	12.5	3.9	40	0.3	0.2	0.1	123	0.68	0.144
20200 89950	Soil	1.1	13.6	9.3	119	0.2	19.7	28.2	1285	6.05	4.6	0.9	0.6	3.0	41	0.1	0.4	<0.1	154	0.66	0.075
20200 90000	Soil	0.6	15.4	7.8	81	<0.1	20.9	19.8	777	5.26	6.6	0.7	1.6	3.4	29	<0.1	0.3	<0.1	130	0.45	0.054
20200 90050	Soil	0.5	24.1	6.6	102	<0.1	16.5	22.9	823	5.02	4.7	0.5	<0.5	2.1	53	<0.1	0.2	<0.1	135	0.77	0.090
20200 90100	Soil	0.9	86.0	6.6	98	<0.1	26.5	24.6	663	5.46	3.0	1.1	<0.5	4.0	61	<0.1	0.2	<0.1	163	0.80	0.147
20200 90150	Soil	0.8	39.9	10.2	97	<0.1	21.8	14.8	446	3.66	9.1	0.4	1.3	3.3	40	0.1	0.4	<0.1	89	0.59	0.062
20200 90200	Soil	1.1	53.6	7.7	86	<0.1	15.7	17.2	561	4.15	5.2	0.5	<0.5	2.7	43	<0.1	0.3	<0.1	108	0.66	0.063
20200 90250	Soil	1.0	71.2	6.1	126	<0.1	11.4	14.4	480	4.76	4.3	0.3	<0.5	2.3	34	<0.1	0.2	<0.1	116	0.65	0.127
20200 90300	Soil	0.9	25.1	13.9	60	<0.1	11.6	12.3	910	3.07	4.1	0.4	<0.5	1.9	24	<0.1	0.2	<0.1	64	0.27	0.029
20200 90350	Soil	0.8	88.9	4.3	137	<0.1	8.6	21.0	996	6.21	3.4	0.7	0.9	3.8	27	<0.1	0.1	<0.1	169	0.32	0.095
20200 90400	Soil	0.6	60.7	5.1	153	0.1	16.6	18.8	847	5.89	3.5	0.7	2.8	2.2	37	<0.1	0.2	<0.1	148	0.64	0.140
20200 90450	Soil	1.0	99.4	9.8	153	<0.1	17.6	15.9	648	5.45	4.6	0.3	13.8	1.7	44	<0.1	0.2	<0.1	135	0.69	0.047
20200 90500	Soil	1.5	42.3	9.6	82	<0.1	18.1	15.0	554	4.67	6.5	0.4	1.6	1.8	47	0.2	0.4	<0.1	120	0.79	0.040
20200 90550	Soil	1.0	21.5	10.2	101	<0.1	26.4	17.8	789	4.66	5.5	0.4	1.1	3.5	38	<0.1	0.3	<0.1	119	0.43	0.056
20200 90600	Soil	0.9	41.7	8.5	104	<0.1	23.9	12.9	659	3.74	7.0	0.6	<0.5	3.7	33	0.1	0.5	<0.1	87	0.58	0.041
20200 90650	Soil	1.2	83.9	8.8	114	0.1	27.5	13.9	1669	4.14	6.2	0.8	1.9	4.4	33	0.2	0.3	<0.1	82	0.48	0.037
20200 90700	Soil	0.8	28.6	9.1	59	<0.1	22.6	11.1	435	3.23	8.2	0.4	<0.5	2.6	29	<0.1	0.4	<0.1	90	0.30	0.024
20300 89800	Soil	1.0	39.3	15.4	62	0.2	16.0	11.3	488	2.85	6.5	0.8	3.8	3.0	50	0.2	0.3	10.2	66	0.97	0.063
20300 89850	Soil	0.6	43.4	10.7	67	0.1	14.8	11.5	407	2.96	5.2	0.7	3.1	2.2	50	<0.1	0.3	10.3	68	0.94	0.068
20300 89900	Soil	2.3	46.1	80.5	87	0.6	12.0	4.7	252	3.25	19.1	1.4	20.3	9.2	102	0.3	0.2	6.0	25	0.57	0.057
20300 89950	Soil	1.0	49.1	7.1	67	0.1	18.0	14.9	654	3.09	4.9	0.8	0.8	1.8	50	0.2	0.3	0.1	75	1.22	0.074



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
20900 89200	Soil	52	10	0.14	153	0.039	<1	1.25	0.076	0.16	<0.1	<0.01	1.3	0.2	0.33	3	4.9	1.2
20900 89250	Soil	30	5	0.16	175	0.032	<1	1.20	0.045	0.16	<0.1	0.08	3.5	0.2	0.31	3	5.6	2.3
20900 89300	Soil	49	9	0.09	316	0.010	<1	0.69	0.070	0.24	<0.1	0.01	2.4	0.3	0.50	3	8.5	0.4
20900 89350	Soil	23	21	0.52	175	0.136	2	1.94	0.014	0.30	<0.1	<0.01	2.3	0.3	0.06	5	<0.5	<0.2
20900 89400	Soil	34	14	0.21	237	0.015	1	1.15	0.068	0.14	<0.1	<0.01	1.7	0.1	0.35	3	2.7	0.4
20900 89450	Soil	21	18	0.59	116	0.096	1	1.98	0.018	0.30	<0.1	0.02	2.6	0.3	0.06	5	<0.5	<0.2
20200 89750	Soil	66	9	0.15	236	0.007	<1	0.56	0.161	0.19	<0.1	<0.01	1.8	<0.1	0.82	1	0.6	<0.2
20200 89800	Soil	32	57	0.95	460	0.073	2	1.64	0.019	0.14	<0.1	0.02	5.7	<0.1	0.07	6	1.1	0.6
20200 89850	Soil	33	49	0.73	513	0.062	2	1.34	0.016	0.13	<0.1	0.01	5.2	<0.1	<0.05	5	1.7	<0.2
20200 89900	Soil	22	39	1.32	485	0.034	1	2.68	0.011	0.20	<0.1	0.02	13.0	<0.1	<0.05	12	<0.5	<0.2
20200 89950	Soil	12	33	2.25	206	0.255	3	3.29	0.020	0.21	<0.1	<0.01	19.7	<0.1	<0.05	14	<0.5	<0.2
20200 90000	Soil	15	30	2.22	309	0.305	2	3.17	0.019	0.58	<0.1	<0.01	14.5	0.1	<0.05	12	<0.5	<0.2
20200 90050	Soil	8	25	1.90	448	0.424	<1	3.01	0.018	0.95	<0.1	0.02	5.2	0.2	<0.05	11	<0.5	0.4
20200 90100	Soil	19	33	2.03	770	0.453	1	2.92	0.039	1.25	<0.1	<0.01	7.3	0.2	<0.05	11	<0.5	<0.2
20200 90150	Soil	10	33	0.96	280	0.200	1	2.13	0.035	0.28	0.1	0.01	6.1	<0.1	<0.05	6	<0.5	0.2
20200 90200	Soil	9	29	1.31	266	0.214	<1	2.59	0.024	0.17	<0.1	<0.01	5.8	<0.1	<0.05	8	<0.5	<0.2
20200 90250	Soil	7	21	1.77	596	0.299	<1	2.78	0.026	0.86	<0.1	<0.01	7.9	0.2	<0.05	11	<0.5	0.4
20200 90300	Soil	5	21	0.50	385	0.101	<1	1.58	0.013	0.28	<0.1	<0.01	4.8	<0.1	<0.05	6	<0.5	<0.2
20200 90350	Soil	17	16	2.46	711	0.450	<1	3.43	0.024	2.07	<0.1	<0.01	10.9	0.3	<0.05	13	0.7	<0.2
20200 90400	Soil	12	21	2.37	1092	0.426	1	3.29	0.036	1.55	<0.1	0.02	8.6	0.4	<0.05	13	0.6	<0.2
20200 90450	Soil	6	31	1.53	417	0.313	<1	2.99	0.024	0.30	<0.1	0.02	6.5	0.1	<0.05	11	<0.5	<0.2
20200 90500	Soil	6	53	1.18	410	0.121	2	2.58	0.024	0.22	<0.1	<0.01	8.3	<0.1	<0.05	8	<0.5	0.2
20200 90550	Soil	8	41	1.93	298	0.282	2	3.19	0.020	0.54	<0.1	<0.01	6.3	<0.1	<0.05	11	<0.5	<0.2
20200 90600	Soil	12	39	1.25	410	0.173	1	2.49	0.020	0.32	0.1	<0.01	6.9	0.1	<0.05	8	<0.5	<0.2
20200 90650	Soil	19	37	1.16	487	0.161	1	2.35	0.014	0.39	<0.1	0.02	8.6	<0.1	<0.05	9	<0.5	<0.2
20200 90700	Soil	8	43	0.90	381	0.201	1	2.21	0.022	0.30	<0.1	<0.01	3.6	0.1	<0.05	7	<0.5	<0.2
20300 89800	Soil	13	26	0.83	358	0.140	1	1.56	0.031	0.22	<0.1	0.03	4.7	<0.1	0.05	5	2.9	0.3
20300 89850	Soil	11	26	0.90	387	0.153	2	1.76	0.026	0.26	<0.1	0.02	4.2	<0.1	0.06	6	2.0	<0.2
20300 89900	Soil	33	18	0.43	354	0.069	2	0.97	0.091	0.34	<0.1	0.03	2.5	0.2	0.68	4	11.7	<0.2
20300 89950	Soil	11	32	0.91	471	0.148	2	1.65	0.026	0.28	0.1	0.03	4.9	<0.1	0.06	6	<0.5	0.3



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
20300 90000	Soil	0.9	11.4	14.3	47	<0.1	9.0	10.3	408	2.83	2.7	0.3	1.1	1.9	18	<0.1	0.2	<0.1	51	0.22	0.029
20300 90050	Soil	1.2	67.2	10.9	103	<0.1	33.9	16.1	594	4.29	9.6	0.7	3.3	4.9	39	0.1	0.6	0.2	105	0.49	0.061
20300 90100	Soil	0.8	67.4	9.2	87	<0.1	41.9	13.8	597	3.58	8.8	0.9	8.8	6.3	44	0.1	0.5	0.1	84	0.61	0.091
20300 90150	Soil	0.5	64.6	16.9	81	<0.1	94.5	23.0	556	4.21	5.6	1.2	1.9	9.1	103	<0.1	0.3	0.2	99	0.85	0.203
20300 90200	Soil	0.5	51.9	5.2	121	<0.1	16.4	10.3	812	4.46	5.6	1.0	1.2	9.7	23	<0.1	0.2	<0.1	66	0.46	0.108
20300 90250	Soil	0.4	47.8	5.5	142	<0.1	17.1	9.9	739	4.36	3.3	0.7	1.1	8.3	26	<0.1	0.1	<0.1	76	0.48	0.118
20300 90300	Soil	0.8	21.3	8.0	99	<0.1	15.6	15.1	695	4.76	4.8	0.5	<0.5	2.8	25	<0.1	0.3	<0.1	105	0.55	0.091
20300 90350	Soil	0.6	40.3	7.5	148	<0.1	19.5	20.0	1116	4.88	5.9	0.8	2.1	3.5	27	<0.1	0.3	<0.1	148	0.56	0.061
20300 90400	Soil	1.1	18.2	8.4	84	<0.1	21.5	16.2	711	4.30	9.3	0.4	2.6	2.9	27	<0.1	0.4	0.1	125	0.54	0.040
20300 90450	Soil	1.0	42.2	8.2	75	0.2	24.9	14.1	763	3.57	5.8	1.2	3.9	2.5	53	0.3	0.4	0.1	87	1.16	0.056
20300 90500	Soil	0.9	32.6	9.2	72	0.1	22.7	14.6	670	3.76	6.9	1.0	50.6	4.0	34	<0.1	0.3	0.1	96	0.65	0.060
20300 90550	Soil	0.9	47.3	9.8	84	<0.1	26.8	16.0	578	3.98	9.2	1.1	3.0	4.5	35	<0.1	0.5	0.1	106	0.64	0.057
20300 90600	Soil	0.9	40.0	19.4	82	<0.1	23.0	12.4	736	3.75	6.8	0.6	<0.5	4.1	45	<0.1	0.3	<0.1	94	0.51	0.039
20300 90650	Soil	0.6	59.2	8.5	96	<0.1	17.6	13.6	640	4.16	5.1	0.4	<0.5	2.7	38	<0.1	0.2	<0.1	120	0.22	0.044
20300 90700	Soil	0.8	28.4	11.3	67	<0.1	47.8	11.9	419	3.70	10.5	0.6	1.3	5.0	21	<0.1	0.5	0.2	95	0.16	0.031



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
20300 90000	Soil	4	16	0.56	185	0.026	<1	1.74	0.010	0.11	<0.1	<0.01	3.6	<0.1	<0.05	6	<0.5	<0.2
20300 90050	Soil	18	52	1.23	280	0.204	1	2.51	0.030	0.12	0.1	0.04	10.4	<0.1	<0.05	8	<0.5	<0.2
20300 90100	Soil	25	46	1.12	355	0.166	1	1.84	0.032	0.14	0.2	0.04	7.1	<0.1	<0.05	7	<0.5	<0.2
20300 90150	Soil	40	133	2.26	1237	0.279	<1	2.34	0.026	0.26	0.1	0.02	7.6	0.2	<0.05	9	<0.5	<0.2
20300 90200	Soil	37	24	1.10	430	0.247	<1	2.07	0.014	0.76	0.1	0.02	11.3	0.2	<0.05	9	<0.5	<0.2
20300 90250	Soil	30	26	1.20	412	0.212	<1	2.14	0.014	0.76	<0.1	0.01	8.9	0.2	<0.05	11	<0.5	<0.2
20300 90300	Soil	8	28	0.96	467	0.122	1	2.32	0.019	0.58	<0.1	0.01	8.0	<0.1	<0.05	9	<0.5	<0.2
20300 90350	Soil	16	28	1.98	583	0.309	1	2.82	0.021	1.13	<0.1	0.02	12.7	0.2	<0.05	10	<0.5	<0.2
20300 90400	Soil	8	41	1.45	359	0.204	2	2.34	0.017	0.73	0.1	0.02	8.8	0.2	<0.05	8	<0.5	<0.2
20300 90450	Soil	15	35	0.97	724	0.150	2	1.90	0.026	0.31	<0.1	0.04	8.3	<0.1	<0.05	6	0.6	<0.2
20300 90500	Soil	14	39	1.19	466	0.172	2	2.08	0.026	0.35	0.1	0.02	8.4	0.1	<0.05	7	<0.5	<0.2
20300 90550	Soil	18	43	1.24	464	0.204	1	2.37	0.025	0.21	0.2	0.03	8.3	<0.1	<0.05	7	<0.5	<0.2
20300 90600	Soil	8	39	1.98	319	0.169	1	2.75	0.012	0.38	0.1	0.01	10.0	0.1	<0.05	8	<0.5	<0.2
20300 90650	Soil	7	28	1.25	291	0.243	<1	2.60	0.015	0.61	<0.1	<0.01	4.8	0.1	<0.05	8	<0.5	<0.2
20300 90700	Soil	10	78	0.98	311	0.214	<1	2.41	0.013	0.23	0.1	0.01	5.7	0.1	<0.05	7	<0.5	<0.2



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Project: Mariposa
Report Date: August 18, 2010

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
20800 88050	Soil	1.2	29.5	10.9	65	<0.1	32.2	17.0	542	3.51	5.1	1.1	1.2	4.4	40	0.2	0.4	0.1	63	0.95	0.076
REP 20800 88050	QC	1.4	31.1	11.2	68	<0.1	33.5	17.3	550	3.65	5.1	1.1	2.6	4.4	41	0.2	0.4	0.1	65	0.91	0.078
20400 89950	Soil	0.7	35.3	35.5	78	0.3	6.1	7.0	706	2.57	3.4	0.9	3.1	8.0	14	0.1	0.2	0.1	36	0.31	0.049
REP 20400 89950	QC	0.6	35.7	35.1	79	0.3	6.4	7.2	716	2.60	3.3	0.8	5.5	7.8	14	0.2	0.2	0.1	36	0.31	0.051
21200 91150	Soil	4.8	25.2	7.2	65	<0.1	15.5	11.0	381	3.06	4.7	0.8	24.8	2.8	30	<0.1	0.4	0.1	87	0.49	0.079
REP 21200 91150	QC	4.8	25.3	6.9	64	<0.1	16.2	11.4	390	3.18	5.0	0.8	14.6	2.8	31	<0.1	0.4	0.1	91	0.52	0.076
20900 88700	Soil	0.6	29.5	10.0	71	0.1	16.0	13.1	375	2.79	13.3	1.5	1.4	9.8	28	0.2	0.3	0.1	63	0.66	0.099
REP 20900 88700	QC	0.7	29.4	9.7	67	0.1	15.5	12.4	365	2.59	12.8	1.5	2.3	10.1	27	0.1	0.2	0.1	62	0.63	0.097
21000 89100	Soil	1.4	43.7	60.3	108	0.3	6.4	2.6	138	2.66	16.9	1.7	4.9	8.1	32	0.2	0.4	2.4	31	0.10	0.028
REP 21000 89100	QC	1.5	43.1	59.1	111	0.3	6.0	2.8	141	2.55	17.0	1.8	4.6	9.0	32	0.2	0.3	2.4	33	0.10	0.028
20000 90100	Soil	0.2	14.4	5.1	171	<0.1	21.5	24.3	1055	5.40	3.8	1.1	1.7	4.8	46	<0.1	0.1	<0.1	112	0.91	0.202
REP 20000 90100	QC	0.2	15.8	5.5	173	<0.1	20.5	23.4	1032	5.91	3.6	1.0	1.6	4.7	48	<0.1	0.1	<0.1	105	0.94	0.186
20500 90350	Soil	1.5	28.9	10.5	77	<0.1	18.1	13.2	518	3.63	7.9	0.4	14.1	2.4	27	<0.1	0.6	0.1	81	0.31	0.030
REP 20500 90350	QC	1.5	29.9	10.9	77	<0.1	17.4	13.1	517	3.71	7.7	0.4	35.2	2.5	28	0.1	0.6	0.1	77	0.32	0.031
20100 90550	Soil	0.8	203.5	18.9	344	<0.1	16.4	26.8	1120	7.09	3.6	0.8	2.8	2.4	43	0.2	0.2	<0.1	198	0.59	0.066
REP 20100 90550	QC	0.9	221.7	18.6	361	<0.1	17.7	28.9	1134	7.13	4.0	0.8	1.5	2.4	42	0.2	0.2	<0.1	189	0.62	0.067
20900 89400	Soil	3.0	14.3	46.3	41	0.1	7.8	3.2	97	2.78	29.6	1.9	3.9	10.9	47	<0.1	0.3	0.5	19	0.08	0.043
REP 20900 89400	QC	2.8	14.4	47.9	46	0.2	8.4	3.1	95	2.71	29.5	2.0	3.4	11.9	44	0.1	0.3	0.5	20	0.08	0.044
20200 90050	Soil	0.5	24.1	6.6	102	<0.1	16.5	22.9	823	5.02	4.7	0.5	<0.5	2.1	53	<0.1	0.2	<0.1	135	0.77	0.090
REP 20200 90050	QC	0.5	24.1	6.7	109	<0.1	15.4	21.2	764	4.89	5.0	0.5	<0.5	2.4	59	<0.1	0.2	<0.1	122	0.77	0.092
20300 90450	Soil	1.0	42.2	8.2	75	0.2	24.9	14.1	763	3.57	5.8	1.2	3.9	2.5	53	0.3	0.4	0.1	87	1.16	0.056
REP 20300 90450	QC	1.0	40.6	8.2	73	0.2	24.7	13.9	745	3.44	6.1	1.2	5.4	2.4	52	0.3	0.4	0.1	85	1.16	0.057
Reference Materials																					
STD DS7	Standard	21.2	114.6	68.9	405	1.1	57.1	9.0	635	2.43	47.5	4.9	86.3	4.6	77	5.7	6.5	5.0	87	0.93	0.071
STD DS7	Standard	19.3	98.5	62.0	367	0.9	53.9	8.8	580	2.28	46.8	4.3	67.2	4.4	74	6.0	5.5	4.4	80	0.93	0.074
STD DS7	Standard	22.4	125.7	67.4	416	1.0	59.5	11.3	648	2.46	59.6	5.1	80.4	4.7	77	7.1	6.6	5.0	98	0.98	0.091
STD DS7	Standard	22.6	118.8	70.5	419	0.9	57.0	10.1	654	2.53	56.1	5.3	70.2	4.7	84	6.3	6.2	4.9	86	0.94	0.082
STD DS7	Standard	24.0	147.0	72.6	436	1.0	64.7	10.8	665	2.55	59.6	5.4	66.2	5.3	73	7.1	6.5	5.0	96	1.01	0.078



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Report Date: August 18, 2010

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
20800 88050	Soil	21	51	1.04	385	0.070	1	2.21	0.020	0.12	0.1	0.03	5.0	<0.1	<0.05	6	<0.5	<0.2
REP 20800 88050	QC	22	52	1.05	408	0.071	2	2.22	0.016	0.11	0.1	0.04	5.2	<0.1	<0.05	6	<0.5	<0.2
20400 89950	Soil	32	10	0.34	382	0.008	<1	1.37	0.007	0.20	<0.1	0.01	3.1	0.1	<0.05	5	<0.5	<0.2
REP 20400 89950	QC	32	10	0.34	389	0.008	1	1.31	0.007	0.20	<0.1	0.01	3.1	0.1	<0.05	5	0.8	<0.2
21200 91150	Soil	19	27	0.72	707	0.106	2	1.64	0.018	0.16	0.1	0.04	6.9	<0.1	<0.05	6	<0.5	<0.2
REP 21200 91150	QC	19	27	0.69	726	0.106	3	1.64	0.019	0.17	<0.1	0.05	6.9	<0.1	<0.05	6	<0.5	<0.2
20900 88700	Soil	25	22	0.65	259	0.129	1	1.48	0.018	0.30	0.1	0.03	4.2	0.2	<0.05	5	<0.5	<0.2
REP 20900 88700	QC	24	23	0.65	247	0.124	2	1.45	0.017	0.30	0.1	0.03	4.2	0.2	<0.05	5	<0.5	<0.2
21000 89100	Soil	21	14	0.34	168	0.045	<1	1.48	0.025	0.11	<0.1	0.02	2.4	0.2	0.11	5	2.8	0.4
REP 21000 89100	QC	21	15	0.35	168	0.044	1	1.60	0.024	0.10	<0.1	0.02	2.6	0.2	0.11	5	2.9	<0.2
20000 90100	Soil	31	30	3.12	335	0.252	<1	3.27	0.018	0.35	<0.1	<0.01	13.5	<0.1	<0.05	17	<0.5	<0.2
REP 20000 90100	QC	34	29	3.03	345	0.238	<1	3.32	0.017	0.34	<0.1	<0.01	13.3	<0.1	<0.05	17	<0.5	<0.2
20500 90350	Soil	7	28	0.87	671	0.095	2	1.88	0.010	0.36	<0.1	0.01	4.6	<0.1	<0.05	7	<0.5	<0.2
REP 20500 90350	QC	8	27	0.94	673	0.095	<1	1.96	0.011	0.37	0.1	0.02	4.9	<0.1	<0.05	7	<0.5	<0.2
20100 90550	Soil	14	54	1.88	402	0.331	1	3.18	0.023	0.15	<0.1	0.01	9.5	<0.1	<0.05	14	0.6	<0.2
REP 20100 90550	QC	13	57	1.97	396	0.337	<1	3.53	0.022	0.16	<0.1	0.02	9.4	<0.1	<0.05	15	0.6	<0.2
20900 89400	Soil	34	14	0.21	237	0.015	1	1.15	0.068	0.14	<0.1	<0.01	1.7	0.1	0.35	3	2.7	0.4
REP 20900 89400	QC	32	15	0.21	241	0.017	1	1.11	0.074	0.15	<0.1	<0.01	1.8	0.1	0.34	3	3.0	0.4
20200 90050	Soil	8	25	1.90	448	0.424	<1	3.01	0.018	0.95	<0.1	0.02	5.2	0.2	<0.05	11	<0.5	0.4
REP 20200 90050	QC	8	23	1.96	480	0.401	1	3.07	0.022	1.00	0.1	0.02	5.1	0.2	<0.05	10	<0.5	0.4
20300 90450	Soil	15	35	0.97	724	0.150	2	1.90	0.026	0.31	<0.1	0.04	8.3	<0.1	<0.05	6	0.6	<0.2
REP 20300 90450	QC	15	34	0.96	717	0.147	2	1.87	0.025	0.31	0.1	0.04	8.3	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	14	227	0.96	399	0.140	38	1.00	0.101	0.47	3.4	0.21	2.5	4.6	0.23	5	3.2	1.0
STD DS7	Standard	13	220	1.03	403	0.113	41	1.03	0.105	0.45	3.5	0.20	2.4	4.0	0.17	5	3.0	0.6
STD DS7	Standard	15	205	1.07	411	0.152	39	1.05	0.102	0.48	3.9	0.22	3.0	4.0	0.18	5	3.2	1.2
STD DS7	Standard	13	212	1.03	423	0.132	45	0.99	0.106	0.47	3.8	0.22	2.3	3.8	0.19	5	3.1	1.0
STD DS7	Standard	14	207	1.10	407	0.162	40	1.08	0.105	0.49	3.6	0.23	3.2	4.2	0.21	5	3.1	1.4



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Project: Mariposa

Report Date: August 18, 2010

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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS7	Standard	20.9	126.8	66.3	382	0.9	56.3	9.3	620	2.42	49.9	4.8	90.1	4.4	83	6.7	6.0	4.7	85	1.07	0.075
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa

Report Date: August 18, 2010

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QUALITY CONTROL REPORT

WHI10000161.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
STD DS7	Standard	15	222	1.09	434	0.156	36	1.07	0.109	0.50	3.4	0.21	2.8	3.6	0.24	5	3.3	1.4
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: August 10, 2010

Report Date: September 13, 2010

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CERTIFICATE OF ANALYSIS

WHI10000211.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-8
P.O. Number
Number of Samples: 59

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
TRTN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
John Brock
Michael Renning

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	59	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	59	Dry at 60C			WHI
RJSV	59	Saving all or part of Soil Reject			WHI
1DX2	59	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
Report Date: September 13, 2010

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CERTIFICATE OF ANALYSIS

WHI10000211.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
28400 88300	Soil	1.5	18.1	12.8	67	0.2	15.0	6.6	197	2.06	6.2	1.0	2.2	2.8	20	0.2	0.2	0.4	39	0.23	0.049
26100 89250	Soil	1.6	64.8	12.0	89	0.2	12.8	14.4	569	3.71	4.1	1.0	5.7	9.0	19	0.1	0.6	0.2	41	0.33	0.076
26100 89300	Soil	8.3	62.6	14.6	55	0.1	10.8	3.5	197	2.83	5.8	0.9	6.4	8.8	11	0.1	0.5	0.3	32	0.09	0.040
26100 89350	Soil	2.1	36.1	15.5	41	<0.1	49.2	10.8	322	2.71	8.7	1.5	7.0	15.1	38	<0.1	2.4	0.2	38	0.42	0.106
26100 89400	Soil	1.2	22.2	10.3	54	<0.1	58.7	13.0	260	3.45	4.4	0.9	4.0	9.7	34	<0.1	0.3	0.1	61	0.17	0.035
26100 89450	Soil	1.3	15.6	11.6	44	<0.1	19.8	8.2	229	2.74	7.7	0.5	5.4	9.5	18	<0.1	0.5	0.1	48	0.13	0.033
26100 89500	Soil	1.0	6.0	8.2	39	<0.1	9.5	5.0	258	2.18	2.9	0.4	<0.5	14.4	17	<0.1	0.2	<0.1	21	0.11	0.032
26100 89550	Soil	1.1	25.3	12.9	61	<0.1	30.9	13.5	308	2.98	10.2	0.6	1.4	7.2	14	0.1	0.6	0.2	68	0.13	0.023
26100 89600	Soil	1.2	33.1	46.1	65	<0.1	48.1	15.0	286	3.09	4.6	1.8	11.2	18.8	21	<0.1	0.6	0.5	66	0.15	0.056
26100 89650	Soil	1.7	20.7	13.2	58	<0.1	38.8	11.6	346	3.86	9.3	0.7	13.6	6.3	17	0.1	0.5	0.2	80	0.17	0.040
26100 89700	Soil	2.1	18.4	15.2	63	0.1	23.5	10.1	356	3.48	15.2	0.5	11.6	4.8	13	0.2	0.6	0.2	68	0.12	0.039
26100 89750	Soil	2.3	9.0	12.9	36	<0.1	13.8	5.4	326	2.00	5.4	0.4	3.6	2.1	9	<0.1	0.4	0.2	50	0.09	0.024
26200 89200	Soil	1.5	35.7	9.4	74	0.2	15.3	10.0	514	3.18	3.8	1.0	3.0	6.7	21	0.1	0.5	0.2	47	0.41	0.071
26200 89250	Soil	3.8	65.6	20.6	55	0.3	16.4	8.8	471	2.72	4.4	0.9	5.9	7.0	19	0.1	0.5	0.3	38	0.29	0.048
26200 89300	Soil	11.0	119.3	14.5	59	<0.1	12.5	5.0	189	2.86	4.7	1.2	3.6	13.0	18	<0.1	0.8	0.5	24	0.17	0.026
26200 89350	Soil	2.5	183.8	23.9	168	<0.1	19.8	10.0	626	3.95	46.7	1.5	3.7	10.0	20	0.3	1.2	1.9	49	0.41	0.062
26200 89400	Soil	1.0	16.8	9.8	39	<0.1	18.0	5.7	221	2.10	4.3	0.9	4.9	14.7	24	<0.1	0.3	<0.1	31	0.25	0.019
26200 89450	Soil	1.0	29.2	12.1	66	<0.1	33.6	12.6	369	3.37	6.6	0.5	1.0	6.9	21	<0.1	0.4	0.2	78	0.22	0.020
26200 89500	Soil	1.1	18.1	10.3	52	<0.1	22.3	10.1	301	2.80	7.8	0.7	1.7	11.9	16	<0.1	0.5	0.1	58	0.16	0.026
26200 89550	Soil	1.2	22.3	11.4	51	<0.1	21.6	10.5	391	2.74	6.2	1.0	6.0	15.0	23	<0.1	0.5	0.1	50	0.16	0.019
26200 89600	Soil	1.3	17.1	10.3	51	<0.1	24.0	12.1	379	2.78	5.5	0.7	9.9	10.1	19	<0.1	0.4	0.1	53	0.18	0.031
25350 89200	Soil	2.2	24.1	19.1	76	0.1	13.4	6.8	319	2.70	3.6	0.6	0.9	7.6	13	<0.1	0.2	0.1	31	0.13	0.019
25350 89250	Soil	4.6	37.1	14.6	87	<0.1	20.4	8.0	341	3.42	4.0	0.8	44.5	11.3	37	<0.1	0.4	0.3	48	0.15	0.016
25350 89300	Soil	2.1	18.0	14.8	59	0.2	24.2	8.5	274	2.94	9.2	0.6	6.5	5.5	19	0.2	0.5	0.2	72	0.19	0.026
25350 89350	Soil	1.5	21.2	10.9	51	<0.1	23.4	8.2	274	2.65	8.0	0.7	5.6	6.7	25	<0.1	0.5	0.2	62	0.27	0.026
25350 89400	Soil	2.4	12.3	14.9	56	0.1	16.8	6.4	282	2.97	8.3	0.4	7.9	4.3	32	0.3	0.6	0.2	72	0.15	0.031
25350 89450	Soil	5.4	17.0	14.5	75	0.1	18.7	6.2	297	3.16	6.1	0.8	170.8	8.0	26	0.2	0.4	0.2	41	0.16	0.026
25350 89500	Soil	8.7	22.3	28.5	107	0.3	16.7	6.1	460	3.57	7.2	0.9	17.4	5.4	41	0.5	0.5	0.4	49	0.18	0.042
25350 89550	Soil	20.1	29.8	17.2	92	0.3	19.2	7.9	544	4.02	8.8	0.7	608.4	5.9	16	0.4	0.7	0.4	63	0.10	0.043
25350 89600	Soil	8.3	51.4	22.0	112	0.2	22.9	9.5	500	3.52	8.4	0.7	32.9	3.3	19	0.6	0.6	0.5	55	0.20	0.057



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Project: Mariposa
Report Date: September 13, 2010

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CERTIFICATE OF ANALYSIS

WHI10000211.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
28400 88300	Soil	11	27	0.41	120	0.076	<1	1.52	0.010	0.07	0.1	0.04	2.6	0.1	<0.05	5	<0.5	<0.2
26100 89250	Soil	31	20	0.60	552	0.019	<1	1.95	0.007	0.12	<0.1	0.02	5.2	0.1	<0.05	6	<0.5	<0.2
26100 89300	Soil	29	17	0.13	223	0.012	2	1.14	0.006	0.12	<0.1	0.02	2.0	0.1	<0.05	4	<0.5	<0.2
26100 89350	Soil	60	35	0.35	729	0.020	1	1.50	0.009	0.08	0.1	0.03	5.2	<0.1	<0.05	4	<0.5	<0.2
26100 89400	Soil	24	108	0.92	313	0.068	1	2.48	0.009	0.16	<0.1	0.02	5.5	0.2	<0.05	7	<0.5	<0.2
26100 89450	Soil	16	28	0.44	192	0.065	<1	2.00	0.008	0.12	<0.1	0.03	3.1	<0.1	<0.05	6	<0.5	<0.2
26100 89500	Soil	31	15	0.29	141	0.054	<1	1.28	0.006	0.23	<0.1	0.01	2.7	0.1	<0.05	5	<0.5	<0.2
26100 89550	Soil	11	41	0.58	291	0.094	1	2.63	0.009	0.07	0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
26100 89600	Soil	63	125	0.83	287	0.072	<1	2.38	0.009	0.06	0.1	0.02	5.3	0.1	<0.05	8	<0.5	<0.2
26100 89650	Soil	15	67	0.76	207	0.110	1	2.74	0.010	0.09	0.1	0.02	5.0	0.1	<0.05	8	<0.5	0.2
26100 89700	Soil	10	47	0.54	157	0.079	<1	2.40	0.008	0.10	0.1	0.02	3.9	0.1	<0.05	7	<0.5	<0.2
26100 89750	Soil	9	29	0.30	70	0.081	<1	1.29	0.008	0.07	<0.1	0.01	2.4	0.1	<0.05	7	<0.5	<0.2
26200 89200	Soil	30	25	0.56	304	0.054	<1	1.73	0.010	0.09	0.1	0.02	4.9	<0.1	<0.05	6	<0.5	<0.2
26200 89250	Soil	28	26	0.40	544	0.026	1	1.32	0.008	0.12	<0.1	0.02	3.4	0.1	<0.05	4	<0.5	<0.2
26200 89300	Soil	45	21	0.24	657	0.015	2	1.24	0.007	0.12	<0.1	0.02	2.7	0.1	<0.05	3	<0.5	<0.2
26200 89350	Soil	29	31	0.64	515	0.025	<1	2.09	0.012	0.11	<0.1	0.02	5.1	0.2	<0.05	6	0.7	<0.2
26200 89400	Soil	43	30	0.38	369	0.038	<1	1.40	0.012	0.10	<0.1	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2
26200 89450	Soil	11	55	0.97	227	0.120	<1	2.61	0.011	0.10	0.1	0.02	4.2	0.1	<0.05	7	<0.5	<0.2
26200 89500	Soil	20	36	0.57	205	0.083	<1	2.06	0.009	0.09	<0.1	0.03	3.4	0.1	<0.05	6	<0.5	<0.2
26200 89550	Soil	45	33	0.48	218	0.087	<1	2.13	0.011	0.11	<0.1	0.02	4.4	0.1	<0.05	6	<0.5	<0.2
26200 89600	Soil	20	50	0.60	257	0.090	<1	2.00	0.009	0.10	0.1	0.01	3.8	0.1	<0.05	6	<0.5	<0.2
25350 89200	Soil	11	23	0.59	174	0.056	<1	1.82	0.007	0.30	<0.1	0.02	2.1	0.2	<0.05	6	<0.5	<0.2
25350 89250	Soil	14	35	0.66	263	0.123	<1	2.32	0.009	0.34	<0.1	0.02	4.2	0.4	<0.05	7	<0.5	0.2
25350 89300	Soil	14	43	0.65	206	0.068	2	2.46	0.015	0.07	0.1	0.02	3.8	0.1	<0.05	7	<0.5	<0.2
25350 89350	Soil	20	42	0.61	270	0.066	2	2.10	0.014	0.06	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
25350 89400	Soil	11	30	0.37	281	0.064	2	1.62	0.017	0.09	0.1	0.01	2.4	<0.1	<0.05	7	<0.5	<0.2
25350 89450	Soil	15	28	0.35	270	0.017	1	2.09	0.012	0.09	<0.1	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
25350 89500	Soil	14	40	0.26	436	0.015	2	1.94	0.009	0.10	0.1	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
25350 89550	Soil	13	30	0.37	215	0.023	2	1.92	0.008	0.08	0.1	0.02	4.2	0.2	<0.05	6	<0.5	0.8
25350 89600	Soil	12	34	0.48	299	0.031	1	2.17	0.008	0.09	0.1	0.02	2.7	<0.1	<0.05	5	<0.5	0.3



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Project:

Mariposa

Report Date:

September 13, 2010

Page:

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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25350 89800	Soil	2.3	27.7	10.7	89	<0.1	16.6	12.4	716	4.08	4.5	0.8	6.8	5.8	15	0.2	0.3	0.2	60	0.22	0.058
24100 89250	Soil	0.7	67.7	4.8	90	<0.1	13.5	14.1	822	4.65	3.9	0.3	2.2	1.4	15	<0.1	0.2	<0.1	101	0.26	0.028
24100 89350	Soil	1.3	29.8	9.9	67	0.1	46.4	13.9	540	3.28	6.1	0.9	34.9	4.0	35	<0.1	0.3	0.1	68	0.43	0.074
24100 89400	Soil	0.8	38.0	42.3	214	<0.1	11.3	14.0	543	4.12	3.8	0.3	5.4	1.4	20	0.2	0.3	<0.1	91	0.25	0.021
25000 89250	Soil	4.0	51.6	31.8	144	0.2	22.5	7.7	517	2.85	4.7	0.5	31.6	2.3	10	0.3	0.2	0.7	62	0.08	0.050
25000 89400	Soil	4.3	54.4	32.6	151	0.2	23.3	7.8	534	2.92	4.6	0.5	35.0	2.2	10	0.3	0.3	0.7	62	0.08	0.053
24900 89300	Soil	0.9	41.4	31.5	129	<0.1	25.7	14.8	928	4.06	5.5	0.7	16.2	3.8	26	0.2	0.3	0.1	77	0.48	0.039
24900 89350	Soil	3.7	42.4	13.7	160	0.3	20.4	12.1	573	3.51	7.4	0.7	2.9	3.7	20	0.3	0.5	0.2	69	0.24	0.031
24900 89400	Soil	1.2	24.1	9.3	77	<0.1	26.8	13.0	465	3.05	8.1	0.6	6.5	2.9	17	0.2	0.4	0.2	65	0.22	0.029
24900 89450	Soil	1.3	23.6	15.1	142	0.4	25.1	24.4	320	3.74	1.4	0.7	4.4	11.8	22	<0.1	<0.1	0.3	34	0.62	0.061
24700 88450	Soil	0.6	20.3	3.9	129	<0.1	15.1	18.8	1125	5.90	3.5	0.8	1.5	4.9	19	<0.1	0.3	<0.1	145	0.40	0.100
24700 88500	Soil	0.5	9.8	4.3	120	<0.1	6.5	16.7	705	4.71	2.5	0.5	1.4	3.4	8	<0.1	0.2	<0.1	88	0.15	0.057
24700 88550	Soil	0.9	19.3	4.3	57	<0.1	57.0	20.8	272	3.63	2.4	0.3	0.5	1.0	13	0.1	<0.1	<0.1	99	0.65	0.202
24700 88600	Soil	0.9	33.7	7.1	121	<0.1	13.0	13.2	421	4.03	3.2	0.5	4.5	1.6	24	0.1	<0.1	<0.1	99	0.73	0.167
24700 88650	Soil	1.3	15.0	19.4	163	0.4	8.8	12.6	1465	4.52	1.8	0.6	2.0	2.2	14	0.4	0.3	<0.1	52	0.31	0.077
24700 88700	Soil	1.2	40.2	9.2	114	<0.1	17.1	13.0	811	4.63	4.8	0.9	5.3	6.2	13	<0.1	0.3	0.1	83	0.23	0.026
24700 88750	Soil	1.1	17.7	8.0	66	<0.1	19.3	8.2	475	3.41	5.3	0.7	2.0	4.9	16	<0.1	0.3	0.1	60	0.24	0.027
24700 88800	Soil	0.7	22.1	7.4	60	<0.1	20.9	11.1	296	2.89	6.9	0.5	2.7	3.5	15	<0.1	0.4	0.1	63	0.20	0.022
24700 88850	Soil	0.7	51.0	5.8	60	<0.1	31.4	16.8	374	3.85	3.9	0.2	1.4	0.5	31	<0.1	<0.1	<0.1	125	0.60	0.090
24700 88900	Soil	1.0	42.2	8.1	63	0.1	25.2	13.5	408	3.41	4.6	0.4	2.7	1.5	30	<0.1	0.2	<0.1	100	0.48	0.054
24700 88950	Soil	0.7	27.7	6.3	62	<0.1	20.0	9.2	407	3.07	2.7	1.0	2.6	5.4	16	<0.1	0.2	<0.1	55	0.33	0.038
24700 89000	Soil	1.0	15.2	8.3	76	<0.1	16.2	12.2	495	3.10	5.6	0.7	3.2	5.4	14	<0.1	0.3	0.1	62	0.16	0.019
24700 89050	Soil	0.9	22.6	5.3	91	<0.1	14.8	12.7	542	3.77	3.8	0.6	1.8	4.7	16	<0.1	0.3	0.3	72	0.33	0.028
24700 89100	Soil	0.9	18.8	6.5	63	0.2	18.1	11.5	606	3.03	5.3	0.8	3.3	3.7	18	<0.1	0.3	0.1	69	0.33	0.025
24700 89150	Soil	0.3	21.9	6.0	90	<0.1	6.6	12.6	376	3.34	1.4	0.2	<0.5	1.2	15	<0.1	<0.1	<0.1	42	0.44	0.144
25700 87975	Soil	1.6	25.9	7.4	73	<0.1	11.6	9.8	295	3.25	3.1	1.7	6.6	8.9	11	<0.1	0.5	0.2	33	0.15	0.037
25700 88025	Soil	1.2	29.8	23.0	65	<0.1	23.0	11.3	459	3.65	5.3	1.1	38.7	11.9	16	<0.1	0.4	0.3	52	0.14	0.026
25675 88000	Soil	0.7	28.7	9.3	127	<0.1	14.7	10.2	422	3.99	4.6	0.9	54.6	7.8	20	<0.1	0.3	<0.1	60	0.41	0.090
25725 88000	Soil	0.7	17.4	6.9	91	<0.1	9.8	6.1	299	3.53	3.0	1.0	180.5	9.4	11	<0.1	0.2	0.3	27	0.25	0.063



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Project: Mariposa
Report Date: September 13, 2010

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CERTIFICATE OF ANALYSIS

WHI10000211.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25350 89800	Soil	21	26	0.71	342	0.088	<1	2.36	0.008	0.29	0.2	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
24100 89250	Soil	3	21	1.55	243	0.353	<1	3.20	0.009	0.76	0.1	0.01	1.4	0.3	<0.05	8	<0.5	<0.2
24100 89350	Soil	22	64	1.06	739	0.123	1	1.95	0.013	0.07	0.1	0.03	6.0	0.1	<0.05	6	<0.5	<0.2
24100 89400	Soil	4	19	1.18	249	0.145	<1	2.76	0.013	0.29	0.1	0.02	4.0	0.2	<0.05	8	<0.5	<0.2
25000 89250	Soil	14	40	0.45	153	0.067	<1	1.60	0.008	0.22	0.1	0.01	2.1	0.2	<0.05	7	<0.5	<0.2
25000 89400	Soil	14	40	0.46	158	0.068	<1	1.64	0.008	0.22	<0.1	0.01	2.2	0.2	<0.05	7	<0.5	0.4
24900 89300	Soil	19	40	1.09	498	0.073	<1	2.39	0.012	0.09	0.1	0.03	7.7	<0.1	<0.05	7	<0.5	<0.2
24900 89350	Soil	11	32	0.84	289	0.088	<1	2.69	0.010	0.07	0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
24900 89400	Soil	10	36	0.70	248	0.067	<1	2.29	0.010	0.06	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
24900 89450	Soil	27	15	2.50	1015	0.026	<1	3.45	0.022	0.52	<0.1	0.02	4.9	0.3	<0.05	11	<0.5	<0.2
24700 88450	Soil	26	17	1.71	735	0.215	<1	2.73	0.012	0.90	<0.1	0.02	20.5	0.5	<0.05	11	<0.5	<0.2
24700 88500	Soil	11	11	1.46	278	0.124	<1	2.63	0.009	0.53	<0.1	0.01	14.7	0.2	<0.05	10	<0.5	<0.2
24700 88550	Soil	10	92	2.14	172	0.147	<1	2.71	0.021	0.17	<0.1	<0.01	4.6	0.1	<0.05	8	<0.5	<0.2
24700 88600	Soil	8	24	1.41	360	0.091	2	2.12	0.011	0.54	<0.1	<0.01	4.7	0.1	<0.05	11	<0.5	<0.2
24700 88650	Soil	14	12	0.63	684	0.029	2	1.50	0.007	0.26	<0.1	0.03	8.1	0.1	<0.05	5	<0.5	<0.2
24700 88700	Soil	18	31	1.12	553	0.132	<1	2.35	0.009	0.25	0.1	0.02	6.9	0.2	<0.05	8	<0.5	<0.2
24700 88750	Soil	16	39	0.76	305	0.094	3	1.96	0.010	0.23	0.1	0.03	4.6	0.1	<0.05	6	<0.5	<0.2
24700 88800	Soil	9	33	0.88	142	0.109	<1	2.01	0.011	0.15	0.1	0.01	3.9	0.1	<0.05	6	<0.5	<0.2
24700 88850	Soil	2	50	1.47	242	0.187	<1	3.70	0.030	0.09	<0.1	0.01	3.4	<0.1	<0.05	8	<0.5	<0.2
24700 88900	Soil	7	53	1.22	244	0.150	<1	2.81	0.020	0.06	<0.1	0.02	3.8	<0.1	<0.05	7	<0.5	<0.2
24700 88950	Soil	24	48	0.70	718	0.035	<1	1.68	0.012	0.08	<0.1	0.02	5.7	<0.1	<0.05	5	<0.5	<0.2
24700 89000	Soil	15	30	0.90	219	0.101	<1	2.32	0.012	0.18	0.1	0.02	4.9	0.1	<0.05	7	<0.5	<0.2
24700 89050	Soil	17	26	1.22	308	0.115	<1	2.46	0.010	0.31	<0.1	<0.01	6.5	0.1	<0.05	8	<0.5	<0.2
24700 89100	Soil	17	32	0.76	237	0.096	<1	1.79	0.013	0.08	0.1	0.03	4.2	0.1	<0.05	6	<0.5	<0.2
24700 89150	Soil	4	9	0.69	121	0.109	<1	1.81	0.007	0.26	<0.1	<0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
25700 87975	Soil	21	14	0.57	264	0.038	3	1.37	0.005	0.36	<0.1	0.01	3.7	0.1	<0.05	4	<0.5	<0.2
25700 88025	Soil	37	26	0.77	318	0.057	<1	2.05	0.007	0.31	0.1	0.02	6.4	0.1	<0.05	7	<0.5	0.5
25675 88000	Soil	35	23	1.22	552	0.129	<1	2.11	0.013	0.42	<0.1	0.02	5.5	0.2	<0.05	9	<0.5	<0.2
25725 88000	Soil	25	13	0.77	331	0.083	<1	1.64	0.009	0.46	0.1	0.03	4.3	0.2	<0.05	8	<0.5	0.5



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Project: Mariposa

Report Date: September 13, 2010

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

WHI10000211.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
26100 89250	Soil	1.6	64.8	12.0	89	0.2	12.8	14.4	569	3.71	4.1	1.0	5.7	9.0	19	0.1	0.6	0.2	41	0.33	0.076
REP 26100 89250	QC	1.6	65.3	11.8	88	0.2	12.2	14.2	574	3.72	4.2	1.0	5.8	9.0	19	0.1	0.6	0.2	41	0.33	0.077
26100 89550	Soil	1.1	25.3	12.9	61	<0.1	30.9	13.5	308	2.98	10.2	0.6	1.4	7.2	14	0.1	0.6	0.2	68	0.13	0.023
REP 26100 89550	QC	1.1	25.0	12.2	61	<0.1	30.3	13.0	308	3.02	9.8	0.6	3.1	7.4	13	0.2	0.6	0.2	68	0.13	0.024
24900 89450	Soil	1.3	23.6	15.1	142	0.4	25.1	24.4	320	3.74	1.4	0.7	4.4	11.8	22	<0.1	<0.1	0.3	34	0.62	0.061
REP 24900 89450	QC	1.4	24.1	15.4	143	0.4	24.7	24.0	323	3.71	1.3	0.7	4.1	11.5	23	0.1	<0.1	0.3	35	0.63	0.057
24700 89100	Soil	0.9	18.8	6.5	63	0.2	18.1	11.5	606	3.03	5.3	0.8	3.3	3.7	18	<0.1	0.3	0.1	69	0.33	0.025
REP 24700 89100	QC	0.8	19.0	6.4	63	0.2	18.6	11.8	606	3.06	5.3	0.8	2.2	3.9	19	<0.1	0.3	0.1	66	0.32	0.026
Reference Materials																					
STD DS7	Standard	19.4	115.8	69.0	376	0.9	54.3	9.3	591	2.21	47.5	4.9	74.3	4.5	68	6.6	5.7	4.6	82	0.85	0.072
STD DS7	Standard	20.4	109.9	61.9	386	0.9	53.9	8.8	586	2.28	48.5	4.1	66.3	3.7	63	5.8	5.2	4.0	79	0.85	0.071
STD DS7	Standard	21.9	110.3	66.9	398	0.9	54.9	9.5	616	2.32	53.5	4.9	64.7	4.8	72	6.9	6.2	4.9	81	0.95	0.089
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa

Report Date: September 13, 2010

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QUALITY CONTROL REPORT

WHI10000211.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
26100 89250	Soil	31	20	0.60	552	0.019	<1	1.95	0.007	0.12	<0.1	0.02	5.2	0.1	<0.05	6	<0.5	<0.2
REP 26100 89250	QC	31	20	0.61	562	0.019	<1	1.93	0.011	0.13	<0.1	0.03	5.2	0.1	<0.05	5	<0.5	<0.2
26100 89550	Soil	11	41	0.58	291	0.094	1	2.63	0.009	0.07	0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
REP 26100 89550	QC	11	41	0.57	296	0.087	1	2.61	0.010	0.07	0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
24900 89450	Soil	27	15	2.50	1015	0.026	<1	3.45	0.022	0.52	<0.1	0.02	4.9	0.3	<0.05	11	<0.5	<0.2
REP 24900 89450	QC	27	16	2.52	1021	0.027	<1	3.53	0.023	0.53	<0.1	0.03	5.0	0.2	<0.05	11	<0.5	<0.2
24700 89100	Soil	17	32	0.76	237	0.096	<1	1.79	0.013	0.08	0.1	0.03	4.2	0.1	<0.05	6	<0.5	<0.2
REP 24700 89100	QC	16	32	0.78	239	0.091	<1	1.94	0.014	0.08	0.1	0.04	4.3	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	12	183	1.00	385	0.121	39	0.99	0.088	0.45	3.5	0.20	2.3	3.8	0.19	5	3.0	1.1
STD DS7	Standard	11	183	0.99	379	0.106	34	0.95	0.088	0.44	3.5	0.22	2.1	3.8	0.19	4	3.0	0.6
STD DS7	Standard	13	167	1.12	403	0.118	43	0.98	0.106	0.49	3.6	0.20	2.5	3.9	0.21	5	3.2	1.2
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: August 25, 2010

Report Date: September 21, 2010

Page: 1 of 9

CERTIFICATE OF ANALYSIS

WHI10000329.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-9
P.O. Number
Number of Samples: 233

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
PICKUP-RJT Client to Pickup Rejects

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
John Brock
Michael Renning

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	233	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	233	Dry at 60C			WHI
RJSV	233	Saving all or part of Soil Reject			WHI
1DX2	233	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
Report Date: September 21, 2010

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CERTIFICATE OF ANALYSIS

WHI10000329.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25850 89300	Soil	0.8	13.0	6.4	44	<0.1	11.6	6.4	199	2.36	4.1	0.9	22.2	5.8	21	<0.1	0.3	0.1	42	0.26	0.038
25850 89350	Soil	1.0	22.1	9.1	51	<0.1	22.9	10.2	335	3.08	8.6	0.6	7.1	7.4	18	<0.1	0.5	0.2	65	0.20	0.033
25850 89400	Soil	1.2	18.9	8.8	54	0.1	20.3	9.1	331	3.02	7.8	0.7	5.8	7.3	21	0.1	0.4	0.1	57	0.22	0.035
25850 89450	Soil	1.1	16.4	7.8	50	<0.1	17.3	8.6	349	2.73	6.6	0.6	87.2	7.9	24	<0.1	0.3	0.1	52	0.23	0.025
25850 89500	Soil	2.5	17.7	9.0	55	0.1	17.0	7.3	391	3.08	6.0	0.6	21.6	6.6	32	0.1	0.3	0.2	49	0.20	0.072
25850 89600	Soil	4.4	21.1	7.1	54	0.1	20.1	7.8	466	3.35	6.2	0.5	211.4	4.8	27	0.1	0.4	0.2	54	0.20	0.060
25850 89650	Soil	4.0	22.8	9.0	61	0.1	21.0	10.7	367	3.21	7.7	0.7	101.3	7.0	18	0.1	0.5	0.2	62	0.17	0.025
25850 89700	Soil	3.9	28.6	9.1	60	0.1	17.6	8.8	398	3.08	7.3	0.8	106.9	4.1	23	0.1	0.6	0.3	60	0.22	0.034
25850 89750	Soil	5.9	22.4	8.7	51	0.1	15.1	9.9	450	2.88	6.4	0.7	328.3	4.3	12	0.1	0.5	0.3	44	0.13	0.032
25850 89850	Soil	6.2	22.2	11.5	50	0.3	18.4	9.4	340	2.91	7.9	0.9	12.4	7.2	16	<0.1	0.4	0.2	52	0.17	0.035
25250 89200	Soil	3.8	58.7	18.7	132	0.1	4.0	11.1	655	4.28	2.5	0.8	24.7	4.9	16	0.3	0.2	0.5	55	0.42	0.071
25250 89250	Soil	8.1	43.2	29.9	130	0.4	7.8	7.4	773	3.16	4.6	0.7	145.8	5.4	12	0.3	0.3	0.7	38	0.13	0.040
25250 89300	Soil	2.0	33.5	15.1	113	0.1	9.3	9.4	605	3.46	1.8	1.2	7.0	8.8	27	0.2	0.3	0.3	48	0.67	0.052
25250 89350	Soil	3.4	13.3	13.1	81	0.1	4.4	6.3	255	2.96	1.4	0.7	10.1	6.4	24	<0.1	0.3	0.5	27	0.10	0.013
25250 89400	Soil	2.1	23.7	11.1	63	<0.1	15.6	7.1	406	2.68	6.3	0.9	7.1	8.6	27	<0.1	0.4	0.2	49	0.22	0.014
25250 89450	Soil	2.3	21.7	11.7	61	<0.1	19.8	7.0	216	2.84	7.8	0.7	4.7	7.9	28	0.1	0.5	0.2	49	0.11	0.016
25250 89500	Soil	3.8	22.0	10.3	59	<0.1	18.8	8.0	336	2.70	6.6	0.9	12.2	5.4	28	<0.1	0.4	0.2	57	0.29	0.020
25250 89700	Soil	1.9	29.3	15.9	96	<0.1	27.9	9.5	377	3.61	6.7	0.9	6.6	7.5	22	0.2	0.4	0.3	56	0.23	0.030
25250 89750	Soil	2.6	40.8	17.9	73	<0.1	23.0	9.9	358	3.16	6.2	0.7	75.4	8.2	19	0.1	0.4	0.3	60	0.23	0.024
25250 89850	Soil	2.3	20.8	9.9	68	<0.1	12.5	7.7	368	3.34	5.8	0.8	13.7	5.4	18	0.1	0.4	0.3	61	0.24	0.036
25150 89200	Soil	2.1	73.1	42.6	703	0.5	12.7	12.8	792	5.42	9.1	1.3	4.9	5.0	63	1.2	0.2	0.6	86	0.58	0.088
25150 89250	Soil	3.4	168.0	34.9	106	1.1	10.7	10.7	645	4.65	10.5	1.4	9.4	3.6	45	0.4	0.3	3.1	83	0.35	0.054
25150 89350	Soil	1.7	25.8	7.8	68	<0.1	4.4	7.1	341	3.57	3.0	0.7	2.3	5.3	28	<0.1	0.2	0.4	43	0.21	0.016
25150 89700	Soil	2.5	37.8	11.4	73	0.1	157.6	26.9	673	4.42	5.9	1.3	1.7	7.9	108	0.1	0.3	0.2	102	0.95	0.322
25150 89800	Soil	3.6	33.1	13.4	74	0.1	15.1	8.4	334	2.92	5.8	0.8	15.5	5.8	21	0.2	0.4	0.3	55	0.25	0.032
25150 89850	Soil	3.0	30.6	9.7	60	<0.1	15.6	7.3	284	2.79	6.6	0.8	16.9	5.5	23	<0.1	0.4	0.2	59	0.28	0.029
25150 89900	Soil	2.4	63.5	8.6	104	0.4	5.8	6.3	569	3.73	4.5	0.6	2.0	4.4	19	0.2	0.2	0.4	51	0.22	0.043
25750 89350	Soil	3.8	27.0	10.4	50	0.2	19.0	9.6	527	2.84	6.2	0.9	39.8	5.3	32	<0.1	0.4	0.2	51	0.38	0.047
25750 89400	Soil	3.1	33.3	9.7	60	0.2	17.8	7.3	384	2.77	6.2	0.9	78.9	4.9	27	0.1	0.5	0.3	50	0.38	0.033
25750 89450	Soil	3.3	43.9	9.6	64	0.2	19.5	8.9	506	2.92	5.8	0.9	72.0	6.3	29	<0.1	0.6	0.3	51	0.30	0.035



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25850 89300	Soil	18	23	0.47	241	0.063	<1	1.62	0.014	0.15	0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
25850 89350	Soil	13	38	0.60	246	0.073	1	2.22	0.010	0.08	0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
25850 89400	Soil	16	31	0.54	187	0.066	1	2.25	0.011	0.10	0.1	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
25850 89450	Soil	14	33	0.55	262	0.075	<1	1.85	0.011	0.12	0.1	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
25850 89500	Soil	14	35	0.53	316	0.061	<1	1.87	0.010	0.20	0.1	0.01	3.1	0.1	<0.05	6	<0.5	<0.2
25850 89600	Soil	14	31	0.50	284	0.059	<1	2.11	0.009	0.15	<0.1	0.01	3.3	0.1	<0.05	7	<0.5	<0.2
25850 89650	Soil	13	40	0.57	218	0.074	1	2.38	0.012	0.09	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
25850 89700	Soil	18	32	0.48	367	0.068	1	1.94	0.013	0.11	0.1	0.03	5.7	0.1	<0.05	6	<0.5	<0.2
25850 89750	Soil	15	22	0.34	263	0.031	1	1.72	0.009	0.12	0.1	0.03	3.2	<0.1	<0.05	4	<0.5	0.2
25850 89850	Soil	18	31	0.47	243	0.047	<1	2.23	0.012	0.07	0.1	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
25250 89200	Soil	10	6	0.95	259	0.072	<1	2.42	0.009	0.50	<0.1	<0.01	4.3	0.3	<0.05	9	<0.5	0.2
25250 89250	Soil	13	15	0.33	198	0.031	<1	1.67	0.009	0.22	0.1	0.02	2.8	0.1	<0.05	6	<0.5	0.3
25250 89300	Soil	25	21	0.84	293	0.057	<1	2.19	0.016	0.22	<0.1	<0.01	5.9	0.2	<0.05	8	<0.5	<0.2
25250 89350	Soil	14	9	0.52	177	0.020	<1	2.20	0.007	0.30	<0.1	0.01	2.7	0.2	<0.05	6	<0.5	<0.2
25250 89400	Soil	29	30	0.45	238	0.059	<1	1.91	0.011	0.09	<0.1	0.02	4.6	0.1	<0.05	6	0.5	<0.2
25250 89450	Soil	12	31	0.37	232	0.038	<1	2.87	0.009	0.09	<0.1	0.01	3.4	0.1	<0.05	6	<0.5	<0.2
25250 89500	Soil	16	31	0.58	233	0.082	1	1.74	0.014	0.06	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
25250 89700	Soil	23	42	0.61	452	0.058	<1	2.30	0.010	0.09	0.1	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
25250 89750	Soil	21	37	0.59	323	0.066	<1	2.38	0.013	0.09	0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
25250 89850	Soil	15	24	0.60	286	0.075	<1	2.13	0.010	0.12	0.1	0.01	3.6	0.2	<0.05	8	<0.5	<0.2
25150 89200	Soil	31	25	1.40	364	0.232	<1	2.75	0.024	0.64	<0.1	<0.01	6.0	0.4	0.06	12	0.8	0.6
25150 89250	Soil	37	32	0.81	398	0.166	<1	2.14	0.013	0.75	<0.1	0.02	4.9	0.4	0.05	10	<0.5	2.8
25150 89350	Soil	13	9	0.72	212	0.062	<1	2.63	0.008	0.45	<0.1	<0.01	3.4	0.2	<0.05	8	<0.5	<0.2
25150 89700	Soil	46	221	1.76	765	0.128	1	2.21	0.019	0.09	0.1	0.02	6.2	0.2	<0.05	8	<0.5	<0.2
25150 89800	Soil	18	25	0.53	357	0.066	<1	1.93	0.012	0.09	0.1	0.01	3.2	0.2	<0.05	6	<0.5	<0.2
25150 89850	Soil	22	27	0.49	320	0.073	<1	1.82	0.011	0.07	<0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
25150 89900	Soil	7	10	0.62	265	0.222	1	1.76	0.010	0.75	0.2	<0.01	3.4	0.5	<0.05	8	<0.5	0.3
25750 89350	Soil	20	36	0.53	500	0.060	1	1.84	0.013	0.10	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
25750 89400	Soil	17	33	0.51	571	0.054	1	1.83	0.011	0.11	0.1	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
25750 89450	Soil	19	36	0.53	458	0.056	<1	1.89	0.014	0.12	0.1	0.03	4.3	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
25750 89500	Soil	2.3	47.0	8.5	68	<0.1	17.1	8.3	425	3.01	5.4	1.2	53.9	5.9	26	0.1	0.6	0.3	51	0.24	0.030
25750 89600	Soil	1.9	47.3	8.8	71	0.3	21.8	8.6	606	2.91	7.4	0.6	65.8	4.8	19	0.3	0.6	0.3	62	0.24	0.033
25750 89650	Soil	6.3	55.9	11.3	128	0.1	15.8	7.1	403	2.68	6.1	0.7	186.6	3.9	16	0.6	0.8	0.5	44	0.18	0.027
25750 89700	Soil	1.8	39.5	9.7	70	0.1	12.1	9.5	343	3.64	4.4	0.8	3.2	3.3	14	<0.1	0.5	0.3	50	0.14	0.048
25750 89750	Soil	0.9	8.3	12.6	41	<0.1	8.6	5.8	352	1.98	3.1	0.5	2.9	1.3	15	<0.1	0.3	<0.1	28	0.10	0.026
25750 89800	Soil	1.7	27.5	17.1	46	0.1	17.2	8.3	289	2.57	5.4	0.6	18.8	4.0	17	<0.1	0.5	0.2	50	0.17	0.019
25750 89850	Soil	1.4	33.1	11.1	63	<0.1	25.8	11.6	441	2.98	6.1	0.8	7.8	6.0	23	<0.1	0.4	0.2	62	0.24	0.037
25750 89900	Soil	1.5	28.1	18.8	58	0.2	20.6	9.3	380	2.97	7.1	1.0	9.1	3.3	17	0.1	0.4	0.3	65	0.18	0.057
25650 89050	Soil	1.7	15.9	10.9	68	<0.1	18.9	10.4	407	2.93	5.1	0.6	1.0	3.9	16	0.2	0.4	0.2	67	0.19	0.038
25650 89200	Soil	3.2	91.3	10.5	77	<0.1	15.5	8.1	329	2.89	6.3	0.8	31.3	7.6	25	0.1	0.6	0.5	44	0.19	0.020
25650 89250	Soil	1.4	197.5	10.6	136	<0.1	4.2	15.0	618	5.31	2.5	0.8	<0.5	3.9	11	0.2	<0.1	0.2	84	0.24	0.081
25650 89300	Soil	3.1	165.4	11.0	145	0.3	11.5	8.3	874	3.55	3.5	2.2	1.1	15.1	25	0.5	0.2	0.2	47	0.37	0.062
25650 89350	Soil	2.3	100.2	9.5	89	0.2	18.1	7.1	265	2.74	6.4	0.6	7.4	6.4	27	0.3	0.4	0.4	48	0.17	0.025
25650 89400	Soil	5.1	102.1	10.1	96	0.4	10.3	7.9	413	3.25	7.2	0.5	2.7	7.9	20	0.2	0.5	0.4	48	0.12	0.037
25650 89450	Soil	9.0	104.7	11.5	63	0.1	12.7	6.4	273	2.72	5.4	0.9	156.1	6.6	19	0.1	0.9	0.4	41	0.14	0.018
25650 89500	Soil	6.9	74.9	18.5	64	0.3	19.1	11.1	491	3.14	8.3	0.9	180.5	6.3	20	0.2	0.9	0.3	62	0.19	0.026
25650 89550	Soil	4.3	58.5	19.3	62	0.1	23.7	10.0	361	2.91	7.1	0.8	83.3	6.2	22	0.2	0.7	0.3	55	0.22	0.018
25650 89600	Soil	4.4	66.3	15.6	64	0.1	19.0	9.0	412	2.86	5.9	0.9	67.2	6.7	17	0.1	0.6	0.3	50	0.18	0.017
25650 89650	Soil	3.8	74.3	13.3	78	0.8	13.9	7.3	502	3.05	7.0	0.6	32.8	4.0	16	0.6	0.6	0.4	51	0.15	0.046
25650 89700	Soil	4.4	88.4	15.1	85	0.5	17.3	8.5	419	3.23	7.6	1.2	71.2	8.8	15	0.2	0.8	0.5	44	0.13	0.020
25650 89750	Soil	1.4	42.2	10.2	69	<0.1	27.7	9.8	441	3.01	9.5	0.9	10.0	6.0	26	0.2	0.6	0.2	66	0.28	0.026
25650 89800	Soil	1.7	40.6	12.3	53	0.1	17.8	8.1	304	2.45	6.8	1.0	20.7	2.7	25	0.2	0.5	0.2	52	0.24	0.046
25650 89850	Soil	2.9	37.3	14.0	54	0.2	20.5	6.7	232	2.52	6.4	1.2	37.8	0.8	32	0.3	0.4	0.3	55	0.31	0.054
25450 89200	Soil	3.9	25.7	12.6	69	0.2	22.2	9.4	532	2.87	6.4	1.0	41.5	7.3	27	0.2	0.4	0.3	55	0.22	0.023
25450 89250	Soil	3.4	29.6	12.4	65	<0.1	19.1	8.1	345	2.62	5.8	0.9	29.8	5.4	24	0.1	0.5	0.2	53	0.24	0.016
25450 89300	Soil	4.7	47.7	20.6	119	0.2	13.6	6.0	302	2.50	5.4	0.8	123.0	5.7	20	0.3	0.6	0.4	45	0.16	0.016
25450 89350	Soil	5.2	51.8	23.2	156	0.3	17.0	6.9	320	2.82	5.4	0.8	103.3	6.8	23	0.5	0.5	0.4	46	0.16	0.016
25450 89400	Soil	8.0	121.5	28.6	144	0.3	10.3	6.9	344	3.19	5.4	0.9	233.2	5.7	31	0.4	0.6	0.8	52	0.18	0.022
25450 89450	Soil	9.0	156.9	28.2	110	0.3	16.9	7.2	332	2.87	7.6	1.4	288.1	7.2	18	0.4	0.8	0.5	49	0.17	0.014
25450 89500	Soil	4.2	84.0	16.3	78	0.8	21.8	8.7	324	3.03	8.7	1.1	66.7	5.7	24	1.5	0.6	0.3	63	0.23	0.027



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25750 89500	Soil	20	30	0.53	388	0.062	<1	1.66	0.016	0.12	0.1	0.03	4.5	0.1	<0.05	5	<0.5	0.2
25750 89600	Soil	12	33	0.58	359	0.071	2	2.07	0.012	0.09	0.1	0.03	3.5	<0.1	<0.05	6	<0.5	0.2
25750 89650	Soil	15	25	0.41	345	0.044	1	1.45	0.010	0.07	<0.1	0.03	2.8	<0.1	<0.05	4	<0.5	0.2
25750 89700	Soil	16	19	0.41	342	0.021	<1	2.22	0.009	0.14	0.2	0.02	3.9	0.2	<0.05	5	<0.5	<0.2
25750 89750	Soil	8	15	0.21	357	0.019	<1	1.38	0.010	0.09	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
25750 89800	Soil	14	29	0.49	261	0.052	1	1.88	0.012	0.06	0.1	0.02	3.2	<0.1	<0.05	5	<0.5	0.2
25750 89850	Soil	19	38	0.67	365	0.092	2	1.93	0.015	0.08	0.2	0.02	4.9	0.1	<0.05	6	<0.5	<0.2
25750 89900	Soil	16	35	0.51	333	0.063	<1	1.94	0.009	0.08	0.1	0.04	3.5	0.1	<0.05	6	<0.5	<0.2
25650 89050	Soil	13	32	0.49	198	0.077	2	1.62	0.010	0.10	0.1	0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
25650 89200	Soil	19	25	0.47	229	0.078	1	1.81	0.010	0.17	0.1	0.02	3.2	0.2	<0.05	5	<0.5	0.5
25650 89250	Soil	6	7	1.07	294	0.334	<1	2.75	0.009	1.27	0.4	<0.01	2.3	0.6	<0.05	9	<0.5	<0.2
25650 89300	Soil	30	17	0.56	350	0.220	2	1.91	0.012	0.70	0.2	<0.01	3.3	0.4	<0.05	8	<0.5	<0.2
25650 89350	Soil	15	24	0.47	296	0.070	<1	1.87	0.008	0.14	0.2	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
25650 89400	Soil	15	18	0.39	275	0.058	<1	1.67	0.007	0.21	0.1	0.02	1.8	0.2	<0.05	7	<0.5	0.2
25650 89450	Soil	18	23	0.36	272	0.037	1	1.48	0.011	0.07	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
25650 89500	Soil	18	36	0.50	381	0.055	2	1.89	0.012	0.08	0.2	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
25650 89550	Soil	16	32	0.53	355	0.066	2	1.97	0.011	0.08	0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
25650 89600	Soil	17	29	0.47	376	0.060	2	1.62	0.011	0.08	0.1	0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
25650 89650	Soil	13	22	0.28	211	0.020	2	1.89	0.007	0.10	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
25650 89700	Soil	18	26	0.35	282	0.037	2	1.83	0.019	0.10	0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
25650 89750	Soil	18	37	0.64	440	0.086	2	2.03	0.013	0.08	0.1	0.01	6.4	<0.1	<0.05	5	<0.5	<0.2
25650 89800	Soil	20	31	0.45	337	0.048	2	1.68	0.010	0.05	<0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
25650 89850	Soil	28	38	0.44	436	0.032	<1	1.86	0.010	0.07	<0.1	0.04	2.6	<0.1	<0.05	6	<0.5	<0.2
25450 89200	Soil	25	32	0.51	388	0.074	2	1.93	0.011	0.11	0.1	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
25450 89250	Soil	17	31	0.57	255	0.086	2	1.56	0.012	0.09	0.1	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
25450 89300	Soil	15	24	0.41	254	0.058	1	1.51	0.009	0.11	<0.1	0.02	2.9	0.1	<0.05	4	<0.5	<0.2
25450 89350	Soil	14	34	0.48	248	0.066	<1	1.78	0.009	0.11	0.1	0.02	3.0	0.1	<0.05	5	<0.5	0.2
25450 89400	Soil	18	18	0.51	372	0.079	<1	1.79	0.015	0.22	0.1	0.03	3.5	0.2	<0.05	5	<0.5	0.2
25450 89450	Soil	38	30	0.44	361	0.058	1	1.67	0.011	0.08	<0.1	0.03	4.7	<0.1	<0.05	4	<0.5	0.3
25450 89500	Soil	23	35	0.54	564	0.073	1	2.07	0.009	0.11	<0.1	0.04	4.2	<0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25450 89550	Soil	4.6	181.8	26.5	79	0.3	15.5	9.3	486	3.33	7.3	1.3	91.3	8.5	20	0.1	0.7	0.6	42	0.14	0.020
25450 89600	Soil	4.2	70.5	12.7	66	0.7	10.5	6.5	847	2.60	4.9	0.8	927.3	7.9	34	0.4	0.5	0.5	29	0.17	0.027
25450 89650	Soil	3.9	218.9	37.6	107	0.9	14.6	8.3	366	3.90	7.4	1.4	6.1	8.5	20	0.4	0.7	0.9	46	0.10	0.029
25450 89700	Soil	5.2	102.9	34.8	156	<0.1	8.0	10.5	608	4.40	5.5	0.7	9.4	3.6	24	0.2	0.5	1.0	69	0.12	0.041
25550 89100	Soil	2.6	47.7	11.7	95	<0.1	14.0	6.4	620	2.57	9.5	1.6	2.0	7.5	21	0.5	0.5	0.4	42	0.24	0.025
25550 89150	Soil	2.1	73.8	8.7	62	0.1	10.9	5.7	289	2.39	4.2	0.9	7.3	5.7	20	0.2	0.3	0.8	42	0.22	0.026
25550 89200	Soil	1.6	71.6	9.6	71	<0.1	14.3	7.3	318	2.88	8.6	1.2	2.8	8.4	20	0.2	0.4	0.6	47	0.19	0.017
25550 89250	Soil	0.9	126.1	7.0	139	<0.1	5.7	10.7	529	4.38	1.8	0.8	3.6	5.5	20	<0.1	0.1	0.7	71	0.34	0.067
25550 89300	Soil	1.1	146.3	7.6	106	<0.1	8.1	9.8	441	4.11	2.7	1.2	5.5	11.1	19	<0.1	0.2	0.8	60	0.30	0.069
25550 93350	Soil	3.1	139.0	13.8	75	0.1	14.5	9.9	619	3.36	4.7	1.5	91.4	11.0	28	0.2	0.4	1.2	41	0.24	0.046
25550 89400	Soil	2.6	212.7	9.4	104	0.1	37.1	10.7	513	4.02	1.4	1.3	9.4	11.9	43	0.2	0.1	0.8	46	0.67	0.134
25550 89450	Soil	3.3	245.6	12.5	90	<0.1	11.3	9.8	352	3.68	4.3	1.1	66.1	8.0	37	0.1	0.5	0.7	40	0.17	0.018
25550 89500	Soil	2.8	62.0	9.5	86	0.4	7.8	5.8	715	3.28	5.9	0.8	87.6	3.7	17	0.3	0.5	1.0	39	0.12	0.048
25550 89550	Soil	3.2	101.5	14.1	103	0.3	5.8	7.7	418	3.96	3.9	0.8	5.2	6.1	22	0.1	0.9	1.3	30	0.13	0.028
25550 89600	Soil	2.4	72.3	12.0	79	0.7	18.7	8.7	354	3.67	10.7	0.7	22.3	5.0	25	0.2	0.9	0.8	64	0.11	0.026
25550 89650	Soil	2.5	79.5	11.9	80	0.2	17.3	9.1	502	3.08	8.3	1.2	14.6	6.8	34	0.1	0.7	0.3	53	0.30	0.030
25550 89700	Soil	5.0	97.9	12.3	75	<0.1	17.2	12.5	484	3.86	7.3	0.8	11.9	5.6	18	0.3	0.5	1.2	46	0.13	0.032
25550 89750	Soil	0.5	60.8	20.4	91	<0.1	142.6	27.8	812	4.22	3.0	2.1	14.3	17.8	212	0.1	0.3	0.3	106	1.19	0.379
25550 89800	Soil	3.0	159.8	31.3	153	0.1	13.2	13.2	656	4.27	6.3	0.6	13.1	4.6	14	0.4	0.7	0.6	39	0.24	0.119
22900 88450	Soil	1.1	19.3	11.5	73	<0.1	12.5	8.4	469	3.03	225.0	1.0	0.7	5.8	28	<0.1	0.3	0.2	46	0.34	0.055
22900 88500	Soil	1.5	8.8	8.6	67	<0.1	5.9	3.9	391	2.44	5.3	0.7	1.5	8.3	12	<0.1	0.1	<0.1	17	0.18	0.026
22900 88550	Soil	0.8	46.9	8.8	88	<0.1	51.3	24.3	653	4.70	8.3	0.7	1.4	3.0	36	0.1	0.2	<0.1	110	0.76	0.109
22900 88600	Soil	0.4	26.9	3.5	148	<0.1	9.7	22.6	1019	6.35	2.5	0.6	1.2	3.2	30	<0.1	<0.1	<0.1	128	0.83	0.252
22900 88650	Soil	0.3	25.9	4.0	110	<0.1	8.9	15.3	536	4.51	4.4	0.2	<0.5	1.0	15	<0.1	0.2	<0.1	80	0.26	0.070
22900 88700	Soil	0.2	11.8	3.7	115	<0.1	8.0	22.0	549	4.59	3.2	0.4	<0.5	1.9	12	<0.1	<0.1	<0.1	120	0.43	0.164
22900 88750	Soil	0.3	26.6	2.5	128	<0.1	17.1	23.7	1141	5.25	2.8	0.9	1.8	5.9	19	<0.1	0.2	<0.1	114	0.39	0.086
22900 88800	Soil	0.2	50.8	2.1	123	<0.1	14.6	19.8	954	3.96	2.7	0.9	1.3	3.8	20	<0.1	0.2	<0.1	107	0.42	0.118
22900 88850	Soil	0.7	19.2	5.2	82	<0.1	14.4	14.1	597	3.83	5.0	0.6	2.5	4.3	15	<0.1	0.3	0.1	90	0.17	0.030
22900 88950	Soil	0.7	35.3	8.9	64	<0.1	23.4	11.1	390	2.86	8.2	0.7	1.7	4.8	22	<0.1	0.5	0.2	61	0.28	0.046
22900 89100	Soil	0.9	32.5	4.0	110	0.1	14.9	11.0	794	3.81	4.1	0.7	3.2	2.4	23	0.1	0.2	0.1	64	0.59	0.097



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25450 89550	Soil	22	25	0.43	363	0.032	1	1.91	0.008	0.10	<0.1	0.03	3.7	0.1	<0.05	4	<0.5	0.6
25450 89600	Soil	18	16	0.27	395	0.013	2	1.84	0.007	0.10	<0.1	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
25450 89650	Soil	22	27	0.35	236	0.033	1	2.12	0.012	0.10	0.1	0.04	3.4	0.1	<0.05	5	0.8	0.3
25450 89700	Soil	10	15	0.56	270	0.098	1	2.33	0.007	0.34	0.2	0.02	3.6	0.4	<0.05	9	<0.5	<0.2
25550 89100	Soil	28	22	0.42	332	0.062	1	1.41	0.009	0.17	0.2	0.02	3.2	0.1	<0.05	5	<0.5	<0.2
25550 89150	Soil	17	18	0.43	252	0.085	1	1.35	0.011	0.16	0.2	0.02	2.6	<0.1	<0.05	5	<0.5	0.3
25550 89200	Soil	21	20	0.47	270	0.082	<1	1.65	0.011	0.23	0.1	0.01	3.2	0.1	<0.05	5	<0.5	<0.2
25550 89250	Soil	14	7	1.01	424	0.307	<1	2.46	0.012	1.00	0.6	<0.01	2.8	0.5	<0.05	8	<0.5	<0.2
25550 89300	Soil	36	11	0.87	454	0.234	1	2.30	0.009	0.85	0.4	0.01	5.4	0.4	<0.05	9	<0.5	<0.2
25550 93350	Soil	35	22	0.48	292	0.057	2	1.58	0.011	0.17	0.2	0.01	3.6	0.1	<0.05	5	<0.5	0.3
25550 89400	Soil	53	32	1.11	767	0.061	<1	2.30	0.010	0.53	0.2	<0.01	4.8	0.3	<0.05	8	<0.5	0.6
25550 89450	Soil	20	19	0.55	376	0.040	<1	2.07	0.009	0.19	0.1	0.01	3.0	0.2	<0.05	5	<0.5	0.2
25550 89500	Soil	17	15	0.24	273	0.031	1	1.11	0.008	0.14	0.1	0.02	2.6	<0.1	0.07	5	<0.5	<0.2
25550 89550	Soil	17	10	0.32	375	0.017	2	1.72	0.007	0.24	0.1	0.02	3.5	0.2	<0.05	4	<0.5	<0.2
25550 89600	Soil	11	35	0.51	324	0.061	2	2.19	0.016	0.12	0.2	0.03	4.6	0.1	<0.05	7	<0.5	<0.2
25550 89650	Soil	20	29	0.52	503	0.055	2	1.82	0.016	0.11	0.1	0.03	6.2	0.1	<0.05	5	0.5	<0.2
25550 89700	Soil	17	24	0.42	268	0.041	1	2.29	0.009	0.16	0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
25550 89750	Soil	88	178	3.09	3029	0.236	<1	2.76	0.039	0.40	<0.1	0.02	7.2	0.2	<0.05	12	<0.5	<0.2
25550 89800	Soil	10	21	0.33	225	0.021	<1	1.80	0.009	0.13	0.1	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
22900 88450	Soil	16	18	0.64	212	0.072	<1	1.62	0.012	0.28	0.1	0.01	3.4	0.2	<0.05	6	<0.5	<0.2
22900 88500	Soil	15	10	0.63	298	0.015	<1	1.48	0.008	0.15	<0.1	0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
22900 88550	Soil	16	73	1.93	348	0.152	1	2.68	0.031	0.08	0.1	<0.01	11.3	<0.1	<0.05	10	<0.5	<0.2
22900 88600	Soil	9	24	2.17	389	0.071	<1	3.23	0.028	0.20	<0.1	<0.01	12.7	<0.1	<0.05	13	0.5	<0.2
22900 88650	Soil	3	16	1.39	180	0.322	<1	2.70	0.017	0.76	0.1	<0.01	4.7	0.3	<0.05	9	<0.5	<0.2
22900 88700	Soil	9	13	2.24	253	0.195	<1	2.81	0.019	0.70	<0.1	<0.01	11.1	0.3	<0.05	12	<0.5	<0.2
22900 88750	Soil	41	60	2.16	403	0.141	<1	2.93	0.012	0.41	<0.1	<0.01	15.3	0.2	<0.05	12	0.5	<0.2
22900 88800	Soil	14	26	2.31	302	0.082	<1	2.08	0.011	0.17	<0.1	<0.01	14.6	<0.1	<0.05	10	<0.5	<0.2
22900 88850	Soil	15	23	1.16	284	0.201	1	2.22	0.021	0.47	0.1	<0.01	8.8	0.2	<0.05	9	<0.5	<0.2
22900 88950	Soil	15	34	0.70	292	0.101	1	1.99	0.017	0.08	0.2	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
22900 89100	Soil	14	26	1.20	366	0.105	1	1.87	0.020	0.35	0.1	0.02	11.7	0.2	<0.05	8	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22900 89150	Soil	0.7	35.9	6.2	118	0.1	19.6	15.9	838	3.45	4.8	1.1	3.6	3.5	27	0.2	0.2	<0.1	73	0.64	0.143
22900 89200	Soil	3.4	29.5	8.5	76	0.2	24.9	16.2	632	3.91	5.2	0.7	2.6	3.2	21	<0.1	0.2	0.1	78	0.40	0.074
22900 89250	Soil	3.1	40.6	12.9	94	0.2	14.9	18.1	876	5.19	9.5	0.6	4.9	3.0	17	0.3	0.3	0.1	97	0.35	0.101
22900 89300	Soil	3.9	29.0	15.5	81	0.6	15.9	12.8	675	3.72	7.0	1.3	8.7	4.0	25	0.4	0.3	0.2	73	0.34	0.067
22900 89350	Soil	2.4	36.1	17.2	114	0.2	12.8	15.2	974	5.04	4.7	0.6	3.9	2.2	23	0.1	0.2	<0.1	108	0.50	0.145
22900 89400	Soil	1.7	25.8	8.4	77	0.1	15.5	15.0	696	3.74	7.6	0.8	4.4	3.9	16	<0.1	0.3	0.1	74	0.27	0.101
22900 89500	Soil	1.2	14.1	6.0	86	<0.1	13.7	11.4	542	3.94	6.6	0.5	8.5	4.4	14	<0.1	0.4	0.2	68	0.17	0.055
22900 89550	Soil	0.9	15.2	8.6	67	<0.1	20.8	12.2	491	3.19	10.8	0.7	2.5	4.4	20	0.1	0.6	0.2	65	0.26	0.070
22900 89600	Soil	0.7	7.8	7.2	61	<0.1	9.5	9.1	515	2.40	6.5	0.4	0.7	3.6	12	<0.1	0.3	0.2	58	0.17	0.064
22900 89750	Soil	1.1	16.3	9.1	72	0.1	14.1	9.0	422	3.38	7.0	0.8	4.0	4.0	17	<0.1	0.3	0.2	77	0.22	0.054
22900 89800	Soil	0.8	10.3	7.3	69	<0.1	11.1	7.9	344	2.90	6.9	0.4	1.1	2.9	13	<0.1	0.3	0.3	75	0.15	0.038
22900 89900	Soil	0.8	17.7	6.4	82	<0.1	15.1	11.0	470	3.13	6.0	1.2	1.9	6.9	19	<0.1	0.3	0.4	61	0.28	0.057
22900 90150	Soil	2.6	17.8	6.5	88	0.2	30.0	13.1	631	4.22	5.4	0.8	2.1	4.9	20	<0.1	0.3	0.2	82	0.28	0.085
22900 90200	Soil	1.8	14.6	7.5	75	0.1	15.2	9.8	622	3.28	6.6	0.6	1.9	3.9	15	<0.1	0.2	0.2	69	0.20	0.098
22900 90250	Soil	2.2	12.7	4.7	81	0.2	11.1	8.2	635	3.64	6.9	0.6	2.6	3.2	12	<0.1	0.3	0.2	72	0.18	0.061
22900 90400	Soil	2.1	15.1	6.7	85	<0.1	10.9	12.1	779	3.72	4.1	0.7	2.0	3.8	19	0.1	0.2	0.1	88	0.34	0.080
22900 90450	Soil	1.2	14.8	6.7	76	<0.1	10.9	9.6	443	3.33	5.1	0.7	3.9	4.0	17	0.1	0.3	0.1	73	0.21	0.050
22900 90500	Soil	0.7	17.4	8.1	67	<0.1	16.8	10.5	415	3.05	6.3	0.7	2.7	3.7	26	<0.1	0.3	0.1	62	0.30	0.055
22900 90550	Soil	1.4	5.8	16.0	124	<0.1	13.7	14.7	1409	4.06	4.1	0.4	1.0	1.2	57	0.2	0.2	0.1	94	0.88	0.215
22900 90600	Soil	0.6	6.6	7.7	76	<0.1	14.4	10.0	573	3.34	4.2	0.5	1.5	1.6	56	<0.1	0.2	0.1	79	0.56	0.093
22900 90650	Soil	0.8	9.7	9.4	84	<0.1	15.9	11.4	667	3.51	5.2	0.7	2.2	2.8	47	<0.1	0.2	0.1	73	0.68	0.115
22900 90700	Soil	0.7	7.6	8.5	98	<0.1	12.7	11.8	694	3.72	7.4	0.5	1.3	1.9	43	<0.1	0.3	0.1	93	0.64	0.170
22900 90750	Soil	0.8	9.0	9.1	86	<0.1	14.5	12.2	636	3.60	6.5	0.6	1.1	2.8	50	<0.1	0.3	0.1	82	0.53	0.113
22900 90800	Soil	0.5	8.8	5.8	75	<0.1	12.5	12.0	463	3.01	5.4	0.5	3.5	2.4	35	<0.1	0.3	<0.1	72	0.42	0.120
22800 88450	Soil	2.2	17.3	36.7	52	0.1	8.7	3.8	172	3.97	15.0	2.9	2.6	14.4	55	<0.1	0.4	0.2	37	0.13	0.059
22800 88500	Soil	1.0	20.9	15.4	72	<0.1	20.1	9.2	606	2.77	12.4	0.8	2.9	7.8	18	<0.1	0.3	0.2	35	0.35	0.070
22800 88550	Soil	1.6	34.5	9.5	57	<0.1	36.5	12.0	401	2.98	9.9	0.6	2.9	4.1	24	0.1	0.5	0.2	64	0.40	0.055
22800 88600	Soil	1.1	24.9	13.0	98	0.2	7.4	8.4	585	4.26	4.2	0.6	0.8	1.1	33	0.3	0.2	<0.1	81	0.47	0.076
22800 88650	Soil	0.9	40.7	9.2	61	0.3	16.8	13.3	270	3.11	8.1	0.4	1.6	2.1	27	0.3	0.3	0.1	83	0.40	0.178
22800 88700	Soil	0.9	39.0	9.2	103	0.2	15.6	15.0	1421	3.82	6.5	0.4	4.9	2.3	65	0.3	0.3	0.1	81	0.87	0.152



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22900 89150	Soil	16	30	1.42	445	0.159	2	2.11	0.014	0.39	<0.1	0.02	9.9	0.2	<0.05	8	<0.5	<0.2
22900 89200	Soil	12	48	1.06	351	0.171	<1	2.10	0.019	0.21	0.1	0.02	6.0	0.2	<0.05	8	<0.5	<0.2
22900 89250	Soil	12	28	0.97	308	0.148	<1	2.03	0.019	0.28	<0.1	0.01	8.5	0.2	<0.05	8	<0.5	<0.2
22900 89300	Soil	22	28	0.80	484	0.135	1	1.98	0.017	0.16	0.1	0.02	6.5	0.2	0.06	7	<0.5	0.3
22900 89350	Soil	10	30	1.57	531	0.238	<1	2.40	0.017	0.77	0.1	0.02	6.1	0.4	0.11	9	0.6	0.4
22900 89400	Soil	11	28	0.84	231	0.148	1	2.12	0.014	0.32	0.1	0.02	5.7	0.2	<0.05	7	<0.5	0.2
22900 89500	Soil	14	25	0.96	181	0.151	1	2.26	0.009	0.38	0.1	0.01	6.4	0.3	<0.05	8	<0.5	<0.2
22900 89550	Soil	15	31	0.61	177	0.089	2	1.92	0.012	0.10	0.2	0.03	4.5	0.1	<0.05	6	0.6	<0.2
22900 89600	Soil	11	21	0.62	115	0.116	1	1.44	0.009	0.19	0.1	0.01	4.0	0.2	<0.05	7	<0.5	<0.2
22900 89750	Soil	15	27	0.70	214	0.133	2	2.23	0.013	0.15	0.1	0.02	6.1	0.2	<0.05	9	<0.5	<0.2
22900 89800	Soil	11	20	0.68	127	0.156	<1	1.85	0.010	0.11	0.1	0.01	5.0	0.1	<0.05	9	<0.5	<0.2
22900 89900	Soil	28	26	0.71	262	0.137	1	2.20	0.015	0.14	0.1	0.02	6.3	0.1	<0.05	7	<0.5	<0.2
22900 90150	Soil	20	53	1.24	267	0.207	<1	2.30	0.012	0.27	0.1	0.02	6.6	0.2	<0.05	9	<0.5	<0.2
22900 90200	Soil	14	30	0.72	207	0.154	1	1.71	0.014	0.26	0.1	0.04	5.7	0.2	<0.05	8	<0.5	<0.2
22900 90250	Soil	13	22	0.80	233	0.202	<1	1.77	0.010	0.46	0.1	0.02	6.7	0.3	<0.05	8	<0.5	<0.2
22900 90400	Soil	14	31	1.13	233	0.137	1	2.01	0.020	0.39	<0.1	0.02	7.9	0.2	<0.05	8	<0.5	<0.2
22900 90450	Soil	13	25	0.84	154	0.127	1	1.83	0.013	0.22	0.1	0.02	6.3	0.2	<0.05	7	<0.5	<0.2
22900 90500	Soil	16	29	0.73	344	0.073	<1	2.09	0.019	0.08	<0.1	0.02	5.3	<0.1	<0.05	7	<0.5	<0.2
22900 90550	Soil	4	24	1.29	233	0.142	2	2.22	0.028	0.26	<0.1	<0.01	3.5	<0.1	<0.05	11	<0.5	<0.2
22900 90600	Soil	7	25	0.89	227	0.088	2	1.89	0.019	0.05	<0.1	0.01	4.0	<0.1	<0.05	9	<0.5	<0.2
22900 90650	Soil	9	27	0.96	301	0.125	2	2.11	0.024	0.12	<0.1	0.02	4.4	<0.1	<0.05	8	<0.5	<0.2
22900 90700	Soil	7	23	1.11	209	0.175	1	2.38	0.025	0.19	0.1	0.01	3.2	0.1	<0.05	11	0.5	<0.2
22900 90750	Soil	9	23	1.02	278	0.110	2	2.44	0.022	0.13	<0.1	<0.01	4.0	<0.1	<0.05	10	<0.5	<0.2
22900 90800	Soil	9	20	0.91	213	0.130	2	2.27	0.019	0.23	0.1	<0.01	3.1	0.1	<0.05	8	<0.5	<0.2
22800 88450	Soil	31	18	0.34	252	0.081	<1	1.48	0.060	0.14	<0.1	<0.01	2.5	0.1	0.24	6	0.6	<0.2
22800 88500	Soil	27	25	0.79	612	0.026	<1	1.52	0.020	0.12	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
22800 88550	Soil	10	53	0.91	263	0.091	2	1.82	0.022	0.09	0.1	0.02	5.9	<0.1	<0.05	6	<0.5	<0.2
22800 88600	Soil	3	15	0.90	245	0.183	2	2.26	0.012	0.34	<0.1	0.01	2.7	<0.1	<0.05	8	0.8	<0.2
22800 88650	Soil	7	26	0.96	217	0.142	2	2.00	0.028	0.23	0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
22800 88700	Soil	6	25	1.01	624	0.206	2	2.35	0.031	0.51	0.1	0.02	3.7	0.1	<0.05	8	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
22800 88750	Soil	0.7	29.1	7.1	71	<0.1	46.5	14.0	545	3.21	5.7	0.9	5.0	5.6	44	0.1	0.3	0.1	70	0.58
22800 88800	Soil	0.7	20.4	9.3	73	<0.1	16.0	11.1	331	3.40	4.9	0.5	3.9	3.0	29	<0.1	0.3	0.1	87	0.33
22800 88900	Soil	0.9	20.7	8.5	60	<0.1	16.3	10.0	475	2.76	6.5	1.0	3.3	4.0	26	<0.1	0.3	0.2	66	0.31
22800 88950	Soil	0.8	19.9	8.4	45	<0.1	14.4	7.0	247	2.39	6.9	0.6	2.3	3.3	22	0.1	0.4	0.2	60	0.26
22800 89000	Soil	0.8	27.7	5.4	119	<0.1	17.2	21.8	927	4.82	4.1	0.9	2.8	4.3	20	0.1	0.3	0.1	116	0.58
22800 89200	Soil	1.1	20.7	7.0	78	0.1	16.2	11.6	575	2.99	4.5	0.8	1.4	2.8	21	0.1	0.2	<0.1	64	0.38
22800 89250	Soil	2.3	20.4	11.7	76	0.1	18.9	12.9	533	3.47	6.0	0.6	10.7	3.4	20	0.1	0.3	0.1	74	0.36
22800 89300	Soil	2.1	20.4	10.5	67	0.1	16.4	10.2	395	3.09	5.1	0.7	8.6	3.7	18	0.1	0.3	0.1	60	0.24
22800 89350	Soil	2.0	31.3	10.9	68	0.2	17.1	13.2	525	3.57	5.5	1.0	3.3	2.8	25	0.1	0.2	0.1	75	0.40
22800 89400	Soil	2.1	32.2	10.9	83	0.2	14.5	14.4	699	3.87	5.7	0.8	2.0	2.6	24	0.2	0.2	0.1	91	0.47
22800 89450	Soil	3.4	50.9	8.8	74	0.2	26.1	17.4	467	4.80	5.5	0.7	1.4	1.9	22	<0.1	0.2	<0.1	112	0.37
22800 89500	Soil	2.6	40.9	11.6	94	0.1	12.9	13.8	669	6.13	7.0	0.4	0.9	1.2	21	0.1	0.2	<0.1	132	0.22
22800 89550	Soil	2.1	35.9	11.4	73	0.2	9.6	10.4	835	5.54	8.4	1.1	<0.5	2.3	54	0.1	0.2	0.3	133	0.13
22800 89600	Soil	1.1	83.5	5.7	91	<0.1	16.6	22.7	584	6.08	6.0	1.0	2.0	2.6	34	<0.1	0.2	<0.1	133	0.39
22800 89650	Soil	1.2	27.7	9.5	63	0.1	15.6	12.3	391	3.39	5.9	0.7	1.3	3.0	16	0.1	0.3	0.2	93	0.20
22800 89750	Soil	6.1	31.3	9.8	106	0.2	9.1	10.6	642	4.49	10.1	1.5	2.0	8.1	38	0.2	0.3	0.8	88	0.25
22800 89850	Soil	1.3	16.4	4.1	107	<0.1	17.4	22.1	639	4.71	1.6	0.7	1.1	3.4	12	0.1	0.1	<0.1	126	0.54
22800 89900	Soil	3.9	26.1	5.5	142	<0.1	12.0	18.1	1115	6.64	4.0	0.8	<0.5	4.7	10	<0.1	0.2	0.2	131	0.25
22800 89950	Soil	5.4	8.9	6.5	118	<0.1	12.4	9.2	1322	5.70	4.6	0.7	0.8	3.7	11	<0.1	0.1	0.3	115	0.22
22800 90050	Soil	4.7	21.8	3.9	107	0.2	7.2	12.3	1186	5.28	3.3	0.7	2.3	4.2	35	<0.1	0.2	0.2	106	0.30
22800 90100	Soil	3.9	15.8	8.9	107	0.2	18.5	14.9	1102	4.99	2.8	0.5	1.0	2.6	19	<0.1	0.1	0.2	128	0.32
22800 90150	Soil	2.0	11.7	5.5	101	0.1	9.0	9.4	789	4.73	6.7	0.5	2.6	2.7	14	<0.1	0.2	0.1	111	0.21
22800 90200	Soil	2.8	16.0	3.2	128	<0.1	10.2	18.0	1189	5.25	3.2	0.4	1.1	2.2	10	<0.1	0.2	0.1	112	0.30
22800 90250	Soil	3.4	19.4	6.0	88	0.1	8.5	11.2	743	3.86	4.4	0.7	1.6	2.4	15	<0.1	0.2	0.1	85	0.30
22800 90300	Soil	1.3	19.9	5.1	120	<0.1	6.7	11.0	1196	4.76	3.7	0.5	1.2	3.0	12	<0.1	0.2	0.2	57	0.31
22800 90350	Soil	1.3	18.2	5.1	110	<0.1	9.1	11.8	1055	4.45	3.3	0.5	1.5	3.5	13	<0.1	0.2	0.2	100	0.29
22800 90400	Soil	0.8	21.4	4.6	91	<0.1	38.1	11.6	611	4.26	4.0	0.6	6.2	4.8	22	<0.1	0.2	0.1	82	0.26
22800 90550	Soil	0.6	14.1	8.4	64	<0.1	17.8	8.4	522	2.87	5.9	0.5	3.1	3.0	25	0.1	0.3	0.1	60	0.32
22800 90700	Soil	1.0	7.7	9.1	69	<0.1	12.6	9.5	525	3.06	4.6	0.5	1.2	1.4	60	<0.1	0.2	<0.1	76	0.63
22600 88650	Soil	0.9	30.7	8.7	75	0.1	33.0	12.7	427	3.30	4.9	1.4	3.2	4.9	43	<0.1	0.2	0.1	62	0.68



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22800 88750	Soil	26	75	1.27	487	0.132	2	1.91	0.016	0.16	0.1	0.01	5.7	0.1	<0.05	7	<0.5	<0.2
22800 88800	Soil	12	29	1.15	281	0.137	2	1.81	0.015	0.11	<0.1	<0.01	6.0	0.1	<0.05	8	<0.5	<0.2
22800 88900	Soil	18	33	0.70	391	0.107	1	1.55	0.024	0.07	0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
22800 88950	Soil	11	29	0.53	191	0.090	1	1.47	0.022	0.06	0.1	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
22800 89000	Soil	30	26	1.78	417	0.119	1	2.78	0.026	0.31	<0.1	<0.01	12.0	0.2	<0.05	11	<0.5	<0.2
22800 89200	Soil	13	32	1.01	278	0.138	1	1.73	0.017	0.15	<0.1	0.01	6.5	0.1	<0.05	7	<0.5	<0.2
22800 89250	Soil	12	39	0.95	226	0.139	1	1.76	0.021	0.16	<0.1	0.01	6.3	0.1	<0.05	7	<0.5	<0.2
22800 89300	Soil	13	32	0.76	261	0.137	1	1.73	0.020	0.12	0.1	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
22800 89350	Soil	10	36	0.99	325	0.174	1	1.90	0.021	0.25	0.1	<0.01	5.3	0.2	<0.05	7	<0.5	<0.2
22800 89400	Soil	11	33	1.23	439	0.159	2	2.40	0.021	0.30	<0.1	0.02	6.6	0.2	<0.05	8	<0.5	<0.2
22800 89450	Soil	9	61	1.43	391	0.246	1	2.52	0.028	0.69	0.1	0.01	4.9	0.3	0.08	9	<0.5	<0.2
22800 89500	Soil	4	25	1.27	296	0.272	<1	2.99	0.031	0.66	0.1	0.01	5.4	0.3	0.07	11	<0.5	<0.2
22800 89550	Soil	15	37	1.05	329	0.243	1	1.81	0.072	0.44	<0.1	<0.01	6.3	0.2	0.54	9	<0.5	<0.2
22800 89600	Soil	19	40	1.62	540	0.250	<1	2.62	0.035	0.88	<0.1	<0.01	7.7	0.5	0.20	9	<0.5	<0.2
22800 89650	Soil	10	36	1.19	212	0.144	2	2.19	0.017	0.24	<0.1	0.01	4.6	0.2	<0.05	7	<0.5	<0.2
22800 89750	Soil	35	34	1.14	382	0.244	1	2.28	0.052	1.05	0.1	0.01	9.2	0.8	0.33	8	<0.5	<0.2
22800 89850	Soil	13	41	2.18	321	0.263	<1	2.97	0.021	1.12	0.1	<0.01	8.2	0.4	<0.05	11	<0.5	<0.2
22800 89900	Soil	13	24	1.83	338	0.425	<1	3.67	0.011	1.59	0.1	<0.01	20.8	0.8	<0.05	14	<0.5	<0.2
22800 89950	Soil	13	30	1.57	220	0.354	<1	2.69	0.022	1.22	<0.1	<0.01	15.3	1.0	<0.05	14	<0.5	<0.2
22800 90050	Soil	25	24	1.56	265	0.322	<1	2.74	0.013	1.50	0.2	<0.01	12.2	1.2	0.12	12	<0.5	<0.2
22800 90100	Soil	14	49	2.05	330	0.351	<1	2.95	0.015	1.15	<0.1	<0.01	13.8	0.8	0.05	13	<0.5	<0.2
22800 90150	Soil	10	27	1.44	227	0.299	1	2.57	0.016	0.98	0.1	0.01	11.6	0.4	<0.05	12	<0.5	<0.2
22800 90200	Soil	13	38	1.68	287	0.284	<1	2.65	0.022	1.30	0.3	<0.01	10.7	0.8	<0.05	11	<0.5	<0.2
22800 90250	Soil	16	27	1.19	305	0.240	1	2.07	0.016	0.78	0.1	0.01	9.2	0.3	<0.05	10	<0.5	<0.2
22800 90300	Soil	14	16	0.97	265	0.189	1	2.08	0.011	0.61	0.1	0.01	10.0	0.3	<0.05	10	<0.5	<0.2
22800 90350	Soil	12	21	1.48	282	0.254	1	2.58	0.013	0.95	0.2	0.02	8.6	0.6	<0.05	10	<0.5	<0.2
22800 90400	Soil	18	55	1.25	244	0.122	2	2.23	0.015	0.33	<0.1	<0.01	7.0	0.1	<0.05	9	<0.5	<0.2
22800 90550	Soil	16	25	0.65	476	0.048	<1	1.88	0.013	0.07	<0.1	0.02	3.2	<0.1	<0.05	6	0.6	<0.2
22800 90700	Soil	7	24	0.89	335	0.131	1	1.88	0.020	0.26	0.1	0.02	2.7	0.1	<0.05	8	<0.5	<0.2
22600 88650	Soil	17	55	1.11	398	0.123	<1	1.90	0.016	0.19	0.1	0.01	4.1	0.1	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
22600 88700	Soil	0.7	21.4	7.5	76	<0.1	18.6	11.9	389	3.02	6.1	0.6	2.3	2.8	33	<0.1	0.3	0.1	61	0.43	0.088
22600 88750	Soil	1.0	23.3	8.1	60	0.1	15.1	10.3	402	2.85	5.9	0.6	2.0	2.1	27	<0.1	0.3	0.1	63	0.36	0.046
22600 88800	Soil	1.0	22.8	6.7	61	0.1	12.1	10.7	312	3.22	5.7	0.5	2.1	2.0	21	<0.1	0.2	0.1	76	0.31	0.049
22600 88850	Soil	1.1	21.3	6.4	68	0.1	12.0	11.0	385	3.34	5.5	0.6	1.9	2.4	24	<0.1	0.2	0.1	75	0.40	0.072
22600 88900	Soil	1.7	25.1	7.2	78	<0.1	43.3	16.0	699	4.62	25.8	0.5	10.4	2.9	26	0.1	0.3	0.1	86	0.55	0.116
22600 88950	Soil	1.2	21.8	7.8	77	0.1	12.9	11.5	417	3.64	11.0	0.5	4.6	1.8	21	0.1	0.3	0.1	86	0.33	0.058
22600 89100	Soil	1.2	31.8	8.6	76	0.1	96.3	20.7	680	3.76	2.8	1.3	1.1	4.9	115	0.1	0.2	<0.1	84	1.20	0.260
22600 89150	Soil	0.9	20.8	3.0	94	0.1	10.6	15.7	696	4.26	2.7	0.3	512.4	1.2	35	0.1	<0.1	<0.1	91	0.78	0.146
22600 89200	Soil	1.1	36.5	8.0	98	0.3	20.7	15.7	720	4.32	7.0	1.2	3.4	3.2	38	0.1	0.2	0.2	80	0.85	0.123
22600 89250	Soil	1.7	28.8	14.5	95	0.2	19.4	11.5	770	3.13	5.3	1.0	53.4	3.8	32	0.3	0.3	0.1	61	0.53	0.103
22600 89300	Soil	1.5	62.4	7.5	111	0.5	23.3	15.6	902	3.06	4.9	1.5	3.9	2.9	62	0.4	0.3	0.1	69	1.32	0.133
22600 89350	Soil	1.2	30.1	8.7	106	<0.1	14.9	10.8	677	3.51	5.8	0.5	0.6	3.3	21	0.3	0.3	0.1	63	0.43	0.077
22600 89400	Soil	1.2	54.2	9.0	132	<0.1	25.1	15.3	958	4.31	5.8	0.6	21.0	3.6	44	<0.1	0.4	0.1	86	0.80	0.103
22600 89450	Soil	0.7	38.5	12.6	105	<0.1	21.4	16.1	611	4.14	5.9	0.4	<0.5	2.8	19	0.2	0.3	<0.1	103	0.49	0.118
22600 89600	Soil	0.5	8.4	3.6	75	<0.1	8.1	7.5	432	1.76	4.9	0.3	<0.5	2.2	10	0.1	0.2	<0.1	40	0.21	0.077
22600 89700	Soil	1.0	28.4	5.6	96	<0.1	15.5	13.2	733	2.58	4.4	0.4	1.5	3.0	16	<0.1	0.2	0.1	61	0.34	0.073
22600 90050	Soil	0.3	45.0	3.9	137	<0.1	34.3	35.9	643	6.00	2.3	0.5	<0.5	2.2	18	<0.1	0.1	<0.1	189	0.58	0.165
22600 90100	Soil	1.5	52.0	9.6	89	<0.1	24.0	13.7	547	5.06	8.3	0.6	2.4	4.9	15	0.2	0.4	0.1	108	0.15	0.050
22600 90150	Soil	0.5	54.3	9.2	102	<0.1	41.2	23.1	556	4.43	2.5	0.5	2.7	2.2	15	0.3	0.1	0.2	153	0.54	0.195
22600 90250	Soil	0.6	84.5	17.3	142	0.1	69.3	33.4	1010	6.35	1.9	0.4	5.6	1.8	20	<0.1	<0.1	<0.1	213	0.65	0.192
22600 90300	Soil	0.5	14.1	5.4	137	<0.1	52.6	27.5	768	5.10	2.1	0.4	2.0	1.5	19	<0.1	<0.1	<0.1	126	0.56	0.153
22600 90350	Soil	0.6	43.7	5.0	87	<0.1	55.7	20.3	668	4.40	1.6	0.3	3.5	1.5	22	0.1	0.1	<0.1	102	0.51	0.092
22600 90400	Soil	0.5	41.0	4.4	85	0.1	38.0	17.4	582	3.77	3.0	0.5	5.4	1.9	23	0.1	0.2	<0.1	93	0.58	0.141
22600 90450	Soil	1.3	28.7	18.7	145	<0.1	18.1	16.5	1320	4.46	3.3	0.6	1.7	2.5	21	0.3	0.2	0.1	101	0.37	0.145
22600 90550	Soil	0.3	3.3	6.4	84	<0.1	4.8	8.3	1057	2.94	1.7	0.3	1.0	4.9	52	<0.1	0.3	<0.1	52	0.91	0.152
22600 90600	Soil	0.4	6.0	5.7	97	<0.1	12.2	12.4	618	3.86	4.6	1.0	0.6	6.5	47	<0.1	0.1	<0.1	93	0.69	0.156
22600 90650	Soil	0.3	2.6	3.5	103	<0.1	11.4	12.6	845	3.53	1.3	0.6	<0.5	4.6	65	<0.1	<0.1	<0.1	83	0.82	0.249
22600 90700	Soil	0.8	3.8	6.3	95	<0.1	13.6	13.4	884	3.67	3.4	0.4	<0.5	3.3	52	<0.1	0.1	<0.1	89	0.61	0.174
22600 90750	Soil	0.8	6.0	6.9	74	<0.1	11.0	9.3	511	2.99	4.8	0.4	2.8	2.2	49	<0.1	0.2	<0.1	72	0.50	0.102
22600 90800	Soil	0.6	8.2	9.9	79	<0.1	12.4	9.0	442	2.78	4.2	0.6	2.7	3.5	45	0.1	0.2	<0.1	64	0.60	0.123



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22600 88700	Soil	10	32	0.99	327	0.126	2	1.88	0.016	0.30	0.1	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
22600 88750	Soil	9	31	0.76	311	0.124	1	1.72	0.014	0.12	<0.1	0.02	2.5	<0.1	<0.05	5	0.7	<0.2
22600 88800	Soil	7	28	0.84	229	0.165	<1	1.94	0.020	0.21	0.1	0.01	2.6	0.1	<0.05	6	<0.5	<0.2
22600 88850	Soil	9	22	0.91	258	0.165	2	1.87	0.016	0.26	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
22600 88900	Soil	12	42	1.31	319	0.188	2	2.58	0.013	0.50	<0.1	0.03	4.4	0.2	<0.05	7	<0.5	<0.2
22600 88950	Soil	7	22	1.03	267	0.190	1	2.29	0.014	0.36	0.1	<0.01	2.9	0.2	<0.05	7	<0.5	<0.2
22600 89100	Soil	30	120	2.14	668	0.209	1	2.32	0.022	0.27	<0.1	0.03	5.8	0.3	<0.05	8	<0.5	<0.2
22600 89150	Soil	6	14	1.41	420	0.300	<1	2.43	0.018	0.94	<0.1	<0.01	2.3	0.4	<0.05	6	<0.5	<0.2
22600 89200	Soil	21	30	1.01	419	0.110	<1	2.41	0.016	0.26	<0.1	0.04	6.3	0.1	<0.05	8	<0.5	<0.2
22600 89250	Soil	15	30	0.76	390	0.115	1	1.87	0.018	0.18	<0.1	0.01	5.3	0.1	<0.05	6	0.6	<0.2
22600 89300	Soil	26	36	1.19	611	0.127	3	1.95	0.021	0.30	<0.1	0.03	9.0	0.1	<0.05	7	0.7	<0.2
22600 89350	Soil	10	20	1.04	264	0.149	4	1.96	0.019	0.42	<0.1	<0.01	5.4	0.1	<0.05	7	0.6	<0.2
22600 89400	Soil	34	36	1.84	449	0.136	2	2.61	0.019	0.24	0.1	<0.01	11.5	0.1	<0.05	10	0.7	<0.2
22600 89450	Soil	10	31	1.32	331	0.228	2	2.54	0.028	0.70	<0.1	<0.01	5.0	0.2	<0.05	9	0.6	<0.2
22600 89600	Soil	10	13	0.74	114	0.108	1	1.17	0.009	0.11	<0.1	<0.01	6.1	<0.1	<0.05	6	0.8	<0.2
22600 89700	Soil	13	26	1.24	213	0.166	<1	1.92	0.014	0.33	0.1	<0.01	8.4	0.2	<0.05	8	<0.5	<0.2
22600 90050	Soil	12	97	4.67	643	0.306	1	4.73	0.042	1.49	0.1	<0.01	11.0	0.6	<0.05	14	<0.5	<0.2
22600 90100	Soil	16	49	1.20	254	0.247	2	2.97	0.019	0.50	<0.1	<0.01	6.1	0.2	<0.05	9	0.9	<0.2
22600 90150	Soil	11	127	3.00	450	0.334	1	3.20	0.038	1.14	<0.1	<0.01	5.7	0.5	<0.05	12	<0.5	<0.2
22600 90250	Soil	14	224	5.05	758	0.363	1	4.97	0.030	1.73	<0.1	<0.01	11.6	0.5	<0.05	14	<0.5	0.3
22600 90300	Soil	10	137	3.93	610	0.281	1	3.92	0.040	1.20	<0.1	<0.01	9.2	0.4	<0.05	13	<0.5	<0.2
22600 90350	Soil	11	132	2.09	314	0.213	<1	3.15	0.027	0.70	<0.1	<0.01	6.8	0.3	<0.05	9	<0.5	<0.2
22600 90400	Soil	12	93	1.67	237	0.112	2	2.36	0.032	0.21	0.1	0.01	8.0	<0.1	<0.05	8	<0.5	<0.2
22600 90450	Soil	11	39	1.09	161	0.066	1	2.47	0.014	0.10	0.1	<0.01	7.9	<0.1	<0.05	10	<0.5	<0.2
22600 90550	Soil	24	6	0.74	929	0.008	<1	1.91	0.010	0.10	<0.1	<0.01	5.2	<0.1	<0.05	8	<0.5	<0.2
22600 90600	Soil	31	22	1.32	188	0.237	1	2.45	0.025	0.38	<0.1	<0.01	3.2	0.2	<0.05	10	0.6	<0.2
22600 90650	Soil	19	16	1.53	290	0.215	<1	2.60	0.018	0.67	<0.1	<0.01	2.5	0.2	<0.05	10	<0.5	0.4
22600 90700	Soil	10	21	1.23	196	0.200	<1	2.92	0.018	0.41	<0.1	<0.01	2.6	0.2	<0.05	11	<0.5	<0.2
22600 90750	Soil	10	21	0.78	205	0.136	1	2.21	0.018	0.14	0.1	0.01	2.5	<0.1	<0.05	9	0.7	0.2
22600 90800	Soil	14	21	0.77	183	0.117	1	1.80	0.025	0.14	0.2	<0.01	2.7	<0.1	<0.05	7	0.8	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22700 88450	Soil	1.2	24.3	100.7	361	0.1	79.7	17.5	606	3.65	11.6	1.0	4.0	11.1	54	0.8	0.1	0.2	59	0.57	0.171
22700 88500	Soil	1.9	8.9	8.6	106	<0.1	12.5	14.1	912	5.31	3.0	0.6	2.0	2.8	15	0.2	0.2	0.1	55	0.42	0.059
22700 88550	Soil	0.7	41.4	5.4	87	<0.1	9.1	15.3	561	3.79	4.3	0.4	2.3	2.6	12	<0.1	0.2	0.1	83	0.30	0.083
22700 88600	Soil	1.2	19.3	4.5	84	<0.1	13.5	11.0	534	3.25	3.6	0.3	3.1	1.6	15	<0.1	0.1	<0.1	57	0.24	0.040
22700 88650	Soil	1.0	22.6	5.7	65	<0.1	25.1	16.4	382	3.83	5.9	0.3	305.3	1.5	13	<0.1	0.3	0.1	82	0.22	0.032
22700 88700	Soil	1.3	38.2	10.2	77	<0.1	21.1	12.8	383	3.28	8.0	0.6	4.5	3.2	26	0.2	0.1	0.1	72	0.50	0.161
22700 88750	Soil	0.9	21.7	3.8	80	<0.1	8.7	12.3	494	3.72	3.5	0.4	1.8	1.4	14	<0.1	<0.1	<0.1	93	0.25	0.066
22700 88900	Soil	0.9	13.9	5.4	65	<0.1	11.5	10.3	354	2.96	5.3	0.5	2.0	2.3	13	<0.1	0.2	<0.1	62	0.23	0.048
22700 89000	Soil	1.1	20.0	3.9	84	<0.1	6.1	15.6	535	4.16	8.2	0.3	2.1	1.2	14	<0.1	<0.1	<0.1	91	0.48	0.101
22700 89050	Soil	0.7	23.9	4.5	72	0.1	44.1	16.5	534	3.43	2.6	1.2	2.6	3.7	45	<0.1	0.1	<0.1	78	0.63	0.172
22700 89100	Soil	0.6	15.9	3.9	73	<0.1	29.5	15.7	509	3.34	2.6	0.5	<0.5	2.6	27	<0.1	0.1	<0.1	81	0.49	0.116
22700 89150	Soil	0.6	16.8	2.8	88	<0.1	13.9	16.5	528	3.27	1.6	0.4	<0.5	2.1	13	<0.1	<0.1	<0.1	91	0.35	0.088
22700 89200	Soil	1.1	19.4	11.7	79	0.1	16.4	10.1	456	2.89	3.3	0.5	1.8	1.9	16	0.2	0.1	<0.1	68	0.39	0.070
22700 89250	Soil	1.8	24.0	16.4	72	0.2	16.3	11.4	413	3.03	4.5	0.8	8.1	2.8	15	0.2	0.2	<0.1	63	0.32	0.061
22700 89300	Soil	1.2	19.9	6.9	66	0.2	14.8	11.1	462	2.57	4.7	0.6	2.6	2.5	16	0.1	0.1	<0.1	59	0.32	0.059
22700 89350	Soil	1.1	13.1	3.4	84	0.2	15.4	14.8	732	2.28	4.2	0.4	1.3	2.0	12	<0.1	<0.1	<0.1	56	0.36	0.081
22700 89400	Soil	0.8	14.1	4.5	87	0.2	13.3	10.1	1081	2.08	5.2	0.3	1.5	2.0	20	<0.1	0.2	<0.1	49	0.50	0.056
22700 89450	Soil	0.2	7.3	1.2	98	<0.1	8.6	11.9	663	1.57	7.6	0.2	<0.5	2.8	9	<0.1	0.1	<0.1	32	0.20	0.036
22700 89500	Soil	0.3	4.3	2.3	67	<0.1	7.8	8.7	449	1.69	3.6	0.1	<0.5	1.9	4	<0.1	0.2	<0.1	40	0.07	0.028
22700 89550	Soil	0.4	11.9	3.2	70	<0.1	35.1	17.5	380	2.83	2.9	0.2	4.8	1.3	12	<0.1	<0.1	<0.1	83	0.25	0.054
22700 89600	Soil	1.3	37.5	5.6	49	<0.1	30.4	14.1	275	2.60	4.6	0.3	2.9	1.5	12	<0.1	0.1	<0.1	68	0.27	0.046
22700 89750	Soil	4.3	33.6	5.4	35	0.3	21.0	7.7	133	1.95	2.2	0.5	1.5	0.4	17	<0.1	<0.1	<0.1	53	0.19	0.046
22700 89900	Soil	2.1	17.4	6.4	57	0.2	23.2	9.9	327	2.91	4.9	0.4	<0.5	1.7	14	<0.1	0.1	<0.1	70	0.24	0.052
22700 89950	Soil	7.5	60.1	5.6	45	<0.1	65.8	22.6	355	3.61	1.6	0.2	0.6	0.7	7	<0.1	<0.1	<0.1	101	0.20	0.045
22700 90000	Soil	1.8	24.4	6.9	70	0.1	26.5	12.2	422	3.01	4.5	0.3	1.1	1.8	10	<0.1	0.1	<0.1	68	0.15	0.056
22700 90050	Soil	0.8	66.7	10.7	153	<0.1	121.8	28.6	831	4.46	1.7	0.9	<0.5	5.9	58	<0.1	0.1	<0.1	136	0.70	0.185
22700 90100	Soil	1.0	34.3	9.7	46	<0.1	35.4	12.1	244	2.44	5.9	0.4	1.7	2.2	15	<0.1	0.3	0.1	65	0.22	0.050
22700 90150	Soil	1.0	53.3	11.3	46	0.2	32.2	11.5	246	2.49	5.8	0.6	4.1	2.3	19	<0.1	0.2	0.2	65	0.25	0.046
22700 90250	Soil	0.5	25.5	4.8	48	0.2	20.9	9.1	517	1.90	1.7	0.2	4.6	0.8	11	<0.1	<0.1	<0.1	58	0.30	0.053
22700 90300	Soil	0.1	71.4	3.5	100	<0.1	29.7	20.3	680	3.53	<0.5	0.4	4.4	3.3	12	<0.1	<0.1	<0.1	78	0.70	0.234



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22700 88450	Soil	51	149	1.47	580	0.008	1	2.01	0.009	0.11	<0.1	0.02	4.3	<0.1	<0.05	8	0.6	<0.2
22700 88500	Soil	11	17	0.39	424	0.011	2	1.29	0.009	0.24	<0.1	0.01	9.0	<0.1	<0.05	5	<0.5	<0.2
22700 88550	Soil	9	12	1.27	231	0.044	1	2.26	0.008	0.18	<0.1	0.01	6.1	<0.1	<0.05	9	<0.5	<0.2
22700 88600	Soil	4	30	1.23	259	0.183	<1	2.18	0.007	0.70	<0.1	<0.01	1.2	0.3	<0.05	7	<0.5	<0.2
22700 88650	Soil	5	76	1.16	178	0.153	1	2.10	0.010	0.36	0.2	0.01	4.1	0.2	<0.05	6	<0.5	<0.2
22700 88700	Soil	12	35	1.00	300	0.113	<1	1.77	0.013	0.46	<0.1	<0.01	2.9	0.2	<0.05	5	<0.5	<0.2
22700 88750	Soil	7	16	1.13	319	0.300	<1	2.18	0.007	0.89	0.1	<0.01	2.0	0.3	<0.05	6	<0.5	<0.2
22700 88900	Soil	8	22	0.73	170	0.110	<1	1.74	0.007	0.14	<0.1	0.01	2.3	0.1	<0.05	6	<0.5	<0.2
22700 89000	Soil	5	8	1.42	295	0.277	<1	2.46	0.007	0.81	<0.1	0.01	2.5	0.4	<0.05	6	<0.5	<0.2
22700 89050	Soil	26	60	1.49	429	0.130	<1	1.95	0.013	0.27	<0.1	0.03	6.0	0.2	<0.05	7	<0.5	<0.2
22700 89100	Soil	12	41	1.45	237	0.137	<1	1.88	0.010	0.31	<0.1	<0.01	4.8	0.2	<0.05	7	<0.5	<0.2
22700 89150	Soil	9	26	1.53	249	0.109	<1	1.83	0.008	0.29	<0.1	<0.01	6.4	0.1	<0.05	8	<0.5	<0.2
22700 89200	Soil	10	33	0.79	246	0.084	<1	1.45	0.013	0.12	<0.1	0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
22700 89250	Soil	13	30	0.77	238	0.098	<1	1.73	0.010	0.14	<0.1	0.02	4.5	0.1	<0.05	6	<0.5	<0.2
22700 89300	Soil	11	30	0.85	210	0.104	<1	1.55	0.011	0.13	<0.1	0.01	3.8	0.1	<0.05	6	<0.5	<0.2
22700 89350	Soil	9	33	1.27	170	0.105	<1	1.54	0.012	0.22	<0.1	<0.01	6.4	0.1	<0.05	6	<0.5	<0.2
22700 89400	Soil	10	21	0.81	230	0.099	1	1.32	0.010	0.30	<0.1	<0.01	4.9	0.1	<0.05	6	<0.5	<0.2
22700 89450	Soil	9	11	1.02	103	0.096	<1	1.26	0.004	0.16	<0.1	<0.01	6.8	0.1	<0.05	5	<0.5	<0.2
22700 89500	Soil	7	13	0.73	102	0.075	<1	1.14	0.004	0.05	<0.1	<0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
22700 89550	Soil	7	85	2.19	149	0.134	<1	2.27	0.009	0.23	<0.1	<0.01	4.8	0.1	<0.05	8	<0.5	<0.2
22700 89600	Soil	7	59	1.10	171	0.111	<1	1.94	0.013	0.11	<0.1	<0.01	2.5	0.1	<0.05	6	<0.5	<0.2
22700 89750	Soil	7	47	0.67	156	0.084	<1	1.32	0.029	0.16	<0.1	0.02	2.1	0.1	0.14	5	<0.5	<0.2
22700 89900	Soil	8	49	0.93	152	0.120	<1	1.82	0.012	0.12	<0.1	0.01	3.2	0.1	<0.05	6	<0.5	<0.2
22700 89950	Soil	4	138	1.98	98	0.144	<1	2.59	0.023	0.23	<0.1	<0.01	3.1	0.1	<0.05	7	<0.5	<0.2
22700 90000	Soil	8	62	0.90	135	0.106	<1	1.76	0.010	0.14	<0.1	0.01	3.3	0.1	<0.05	7	<0.5	<0.2
22700 90050	Soil	28	276	3.10	798	0.289	<1	2.98	0.019	1.09	<0.1	<0.01	6.1	0.8	<0.05	9	<0.5	<0.2
22700 90100	Soil	7	60	0.84	140	0.115	2	1.81	0.013	0.06	0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
22700 90150	Soil	9	65	0.75	214	0.102	2	2.10	0.014	0.05	<0.1	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
22700 90250	Soil	5	57	0.84	122	0.108	<1	1.34	0.019	0.13	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
22700 90300	Soil	13	73	2.07	263	0.114	<1	2.11	0.021	0.38	<0.1	<0.01	5.5	0.2	<0.05	9	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22700 90350	Soil	0.3	16.7	1.9	85	<0.1	5.6	6.8	743	3.79	1.5	0.5	10.7	2.9	10	<0.1	<0.1	<0.1	71	0.34	0.125
22700 90400	Soil	0.4	14.1	4.4	55	<0.1	8.6	7.9	361	2.91	2.7	0.3	3.5	1.5	9	<0.1	<0.1	<0.1	78	0.19	0.074
22700 90450	Soil	1.6	13.8	7.6	62	0.1	8.8	10.8	1290	2.74	4.9	0.6	4.9	1.8	13	<0.1	0.2	0.1	58	0.13	0.084
22700 90500	Soil	0.5	11.8	6.7	51	<0.1	15.4	8.7	435	2.50	5.8	1.0	2.4	3.8	24	<0.1	0.2	<0.1	51	0.32	0.047
22700 90550	Soil	0.8	7.1	6.6	71	<0.1	10.5	8.4	501	3.30	7.0	0.2	0.7	0.9	18	<0.1	0.2	<0.1	68	0.25	0.110
22700 90600	Soil	0.2	3.9	4.1	80	<0.1	7.7	11.3	639	3.46	3.4	0.4	0.6	1.9	56	<0.1	<0.1	<0.1	75	0.71	0.163
22700 90650	Soil	0.5	7.1	6.1	88	<0.1	10.8	11.3	793	3.13	5.7	0.5	1.1	2.2	49	<0.1	0.2	<0.1	61	0.52	0.153
22700 90700	Soil	0.5	5.7	6.5	91	<0.1	7.3	9.2	750	2.73	4.1	0.4	1.2	2.6	42	<0.1	0.1	<0.1	58	0.53	0.166
22700 90750	Soil	0.6	8.7	7.8	71	<0.1	9.2	8.3	492	2.50	5.0	0.5	1.8	0.7	46	<0.1	0.2	0.1	57	0.38	0.091
22700 90800	Soil	0.5	8.0	6.0	92	<0.1	12.5	11.0	612	3.22	5.3	0.5	1.7	1.8	44	<0.1	0.2	<0.1	70	0.52	0.140
24300 89300	Soil	0.6	35.5	8.0	69	<0.1	24.6	20.7	638	3.70	7.1	0.4	6.2	2.6	19	0.1	0.4	0.1	72	0.24	0.048
24500 89250	Soil	0.4	19.8	3.5	163	<0.1	13.2	24.7	1151	5.04	2.9	0.4	0.7	1.9	15	0.1	0.2	<0.1	121	0.51	0.171
24500 89300	Soil	0.4	37.0	11.4	92	<0.1	8.7	12.9	908	4.23	1.9	0.7	88.8	5.1	15	<0.1	0.2	0.2	44	0.36	0.065
24600 89250	Soil	0.8	21.4	8.7	47	0.1	17.6	8.4	242	3.04	8.1	0.4	2.7	2.3	18	<0.1	0.4	0.2	66	0.23	0.025
24600 89450	Soil	1.0	26.0	30.9	125	<0.1	21.2	14.9	800	3.79	4.9	0.5	8.9	3.3	26	0.2	0.3	0.2	80	0.39	0.073
24600 89600	Soil	4.6	28.6	20.0	150	0.2	32.2	16.9	969	3.99	7.1	0.8	28.9	5.8	42	0.3	0.3	0.4	63	0.68	0.128
24600 89650	Soil	1.7	30.0	18.9	128	0.2	24.3	17.4	1128	3.36	5.3	1.1	9.3	3.5	39	0.2	0.4	0.2	61	0.65	0.105
24600 89700	Soil	2.4	25.8	17.6	143	0.2	19.8	11.3	566	2.92	6.1	0.7	7.3	4.1	31	0.5	0.3	0.3	53	0.54	0.080
24600 89750	Soil	2.2	43.8	14.2	203	0.2	14.0	9.4	437	3.00	4.0	1.1	3.7	7.4	26	0.7	0.2	0.4	47	0.39	0.088
24600 89800	Soil	4.1	82.8	17.2	246	0.2	14.2	10.1	456	3.46	5.5	1.4	6.3	8.7	22	0.8	0.2	1.0	46	0.31	0.100
24700 89250	Soil	0.7	26.6	7.4	64	0.1	47.6	14.4	514	3.64	5.6	0.5	2.0	2.4	24	<0.1	0.3	0.1	77	0.42	0.043
24700 89300	Soil	0.5	38.0	7.2	112	<0.1	13.1	21.6	535	5.58	6.4	0.5	2.4	2.0	27	<0.1	0.2	<0.1	118	0.44	0.071
24800 89300	Soil	0.6	30.9	10.4	66	0.1	21.4	11.9	443	2.98	7.5	0.6	2.6	2.5	29	0.1	0.4	0.2	70	0.40	0.074



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WHI10000329.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22700 90350	Soil	14	10	0.90	203	0.084	<1	1.89	0.007	0.57	<0.1	<0.01	6.9	0.2	<0.05	9	<0.5	<0.2
22700 90400	Soil	7	24	0.73	99	0.091	<1	1.52	0.009	0.10	<0.1	0.01	4.6	<0.1	<0.05	7	<0.5	<0.2
22700 90450	Soil	12	21	0.41	112	0.048	<1	1.46	0.007	0.11	<0.1	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
22700 90500	Soil	15	28	0.62	320	0.049	<1	1.64	0.011	0.05	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
22700 90550	Soil	5	22	0.72	119	0.077	<1	2.10	0.007	0.19	<0.1	0.01	1.8	<0.1	<0.05	8	<0.5	<0.2
22700 90600	Soil	6	13	1.20	189	0.109	<1	2.71	0.016	0.07	<0.1	<0.01	3.2	<0.1	<0.05	10	<0.5	<0.2
22700 90650	Soil	10	16	0.92	275	0.108	1	2.17	0.014	0.18	<0.1	<0.01	2.9	<0.1	<0.05	8	<0.5	<0.2
22700 90700	Soil	10	12	0.81	151	0.103	1	1.82	0.014	0.15	<0.1	0.01	2.8	<0.1	<0.05	9	<0.5	<0.2
22700 90750	Soil	10	17	0.63	163	0.070	<1	1.83	0.013	0.07	0.1	0.03	2.1	<0.1	<0.05	7	<0.5	<0.2
22700 90800	Soil	6	17	0.97	201	0.121	<1	2.33	0.014	0.18	<0.1	0.02	2.6	0.1	<0.05	9	<0.5	<0.2
24300 89300	Soil	7	36	1.05	206	0.114	<1	2.57	0.010	0.12	0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
24500 89250	Soil	7	27	1.80	352	0.190	<1	3.02	0.027	0.81	<0.1	<0.01	10.6	0.3	<0.05	11	<0.5	<0.2
24500 89300	Soil	19	11	1.08	378	0.005	<1	2.19	0.008	0.11	<0.1	0.02	6.7	<0.1	<0.05	8	<0.5	<0.2
24600 89250	Soil	8	31	0.62	154	0.062	<1	1.97	0.016	0.05	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
24600 89450	Soil	9	33	1.13	179	0.155	<1	2.20	0.013	0.15	0.2	0.02	3.4	<0.1	<0.05	7	<0.5	<0.2
24600 89600	Soil	15	44	1.04	344	0.122	<1	1.89	0.015	0.23	0.1	0.03	5.0	0.2	<0.05	7	<0.5	<0.2
24600 89650	Soil	18	34	0.90	369	0.094	<1	1.80	0.014	0.09	0.1	0.03	4.8	0.1	<0.05	7	<0.5	0.2
24600 89700	Soil	15	30	0.72	317	0.086	<1	1.73	0.015	0.11	0.1	0.02	3.6	0.1	<0.05	6	<0.5	0.2
24600 89750	Soil	19	22	0.70	281	0.099	<1	1.72	0.012	0.25	<0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
24600 89800	Soil	14	26	0.66	203	0.113	<1	1.73	0.011	0.31	<0.1	0.02	3.2	0.2	<0.05	7	<0.5	0.5
24700 89250	Soil	8	88	1.35	272	0.202	1	2.49	0.011	0.30	0.2	0.02	3.4	0.3	<0.05	7	<0.5	<0.2
24700 89300	Soil	10	21	1.70	328	0.333	<1	3.68	0.011	1.19	0.1	0.01	4.2	0.7	<0.05	11	<0.5	<0.2
24800 89300	Soil	12	30	0.77	244	0.115	2	2.13	0.015	0.08	0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2



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Project: Mariposa

Report Date: September 21, 2010

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
Pulp Duplicates		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
25250 89450	Soil	2.3	21.7	11.7	61	<0.1	19.8	7.0	216	2.84	7.8	0.7	4.7	7.9	28	0.1	0.5	0.2	49	0.11
REP 25250 89450	QC	2.3	21.2	12.5	57	<0.1	19.6	6.8	206	2.82	7.6	0.7	4.3	8.3	24	0.1	0.5	0.2	47	0.11
25150 89850	Soil	3.0	30.6	9.7	60	<0.1	15.6	7.3	284	2.79	6.6	0.8	16.9	5.5	23	<0.1	0.4	0.2	59	0.28
REP 25150 89850	QC	3.1	29.7	10.1	60	<0.1	14.5	6.9	278	2.74	6.8	0.9	33.3	5.6	23	<0.1	0.4	0.2	55	0.27
25650 89650	Soil	3.8	74.3	13.3	78	0.8	13.9	7.3	502	3.05	7.0	0.6	32.8	4.0	16	0.6	0.6	0.4	51	0.15
REP 25650 89650	QC	3.8	71.7	12.8	81	0.7	14.3	7.1	499	3.07	7.7	0.5	17.6	4.1	15	0.5	0.7	0.4	50	0.15
25550 89250	Soil	0.9	126.1	7.0	139	<0.1	5.7	10.7	529	4.38	1.8	0.8	3.6	5.5	20	<0.1	0.1	0.7	71	0.34
REP 25550 89250	QC	0.9	121.8	6.6	137	<0.1	5.1	10.5	526	4.30	1.7	0.8	4.6	5.5	19	<0.1	0.1	0.7	69	0.33
22900 88600	Soil	0.4	26.9	3.5	148	<0.1	9.7	22.6	1019	6.35	2.5	0.6	1.2	3.2	30	<0.1	<0.1	<0.1	128	0.83
REP 22900 88600	QC	0.5	26.2	3.5	147	<0.1	9.7	22.9	1066	6.59	2.6	0.6	0.8	3.1	32	<0.1	<0.1	<0.1	134	0.83
22900 89600	Soil	0.7	7.8	7.2	61	<0.1	9.5	9.1	515	2.40	6.5	0.4	0.7	3.6	12	<0.1	0.3	0.2	58	0.17
REP 22900 89600	QC	0.7	8.3	7.8	67	<0.1	10.2	9.9	573	2.55	7.2	0.5	<0.5	4.0	13	<0.1	0.3	0.2	62	0.17
22800 89200	Soil	1.1	20.7	7.0	78	0.1	16.2	11.6	575	2.99	4.5	0.8	1.4	2.8	21	0.1	0.2	<0.1	64	0.38
REP 22800 89200	QC	1.3	21.1	6.7	73	0.2	15.6	11.4	558	2.83	4.4	0.7	1.1	2.8	21	0.1	0.2	0.1	65	0.39
22800 89550	Soil	2.1	35.9	11.4	73	0.2	9.6	10.4	835	5.54	8.4	1.1	<0.5	2.3	54	0.1	0.2	0.3	133	0.13
REP 22800 89550	QC	2.1	35.8	10.8	69	0.2	8.9	10.3	774	5.58	8.3	1.1	1.9	2.5	55	<0.1	0.2	0.2	125	0.14
22600 88950	Soil	1.2	21.8	7.8	77	0.1	12.9	11.5	417	3.64	11.0	0.5	4.6	1.8	21	0.1	0.3	0.1	86	0.33
REP 22600 88950	QC	1.0	22.0	8.0	79	<0.1	12.4	11.4	413	3.66	11.0	0.5	3.7	1.8	21	<0.1	0.2	0.1	85	0.33
22600 90700	Soil	0.8	3.8	6.3	95	<0.1	13.6	13.4	884	3.67	3.4	0.4	<0.5	3.3	52	<0.1	0.1	<0.1	89	0.61
REP 22600 90700	QC	0.7	4.2	7.5	95	<0.1	12.4	13.8	870	3.66	3.4	0.4	<0.5	3.1	51	<0.1	0.1	<0.1	87	0.57
22700 89100	Soil	0.6	15.9	3.9	73	<0.1	29.5	15.7	509	3.34	2.6	0.5	<0.5	2.6	27	<0.1	0.1	<0.1	81	0.49
REP 22700 89100	QC	0.6	15.9	4.1	74	<0.1	29.1	16.0	516	3.36	2.8	0.5	<0.5	2.6	29	<0.1	<0.1	<0.1	81	0.49
22700 90000	Soil	1.8	24.4	6.9	70	0.1	26.5	12.2	422	3.01	4.5	0.3	1.1	1.8	10	<0.1	0.1	<0.1	68	0.15
REP 22700 90000	QC	1.9	24.5	6.9	70	0.1	27.8	12.5	442	3.04	4.4	0.3	<0.5	1.8	10	<0.1	0.2	<0.1	70	0.15
24600 89250	Soil	0.8	21.4	8.7	47	0.1	17.6	8.4	242	3.04	8.1	0.4	2.7	2.3	18	<0.1	0.4	0.2	66	0.23
REP 24600 89250	QC	0.9	21.0	8.7	52	0.1	17.5	8.2	248	2.95	8.0	0.4	1.6	2.3	17	<0.1	0.4	0.2	68	0.23
Reference Materials																				
STD DS7	Standard	21.8	114.8	68.1	414	1.0	53.7	9.2	649	2.49	55.3	4.8	78.7	4.8	83	7.2	6.6	4.8	82	0.95



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
25250 89450	Soil	12	31	0.37	232	0.038	<1	2.87	0.009	0.09	<0.1	0.01	3.4	0.1	<0.05	6	<0.5	<0.2
REP 25250 89450	QC	13	32	0.37	234	0.044	<1	2.83	0.008	0.09	<0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
25150 89850	Soil	22	27	0.49	320	0.073	<1	1.82	0.011	0.07	<0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
REP 25150 89850	QC	22	27	0.50	337	0.071	<1	1.85	0.011	0.07	0.1	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
25650 89650	Soil	13	22	0.28	211	0.020	2	1.89	0.007	0.10	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
REP 25650 89650	QC	13	23	0.29	214	0.020	2	1.95	0.007	0.10	0.1	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
25550 89250	Soil	14	7	1.01	424	0.307	<1	2.46	0.012	1.00	0.6	<0.01	2.8	0.5	<0.05	8	<0.5	<0.2
REP 25550 89250	QC	14	8	1.02	430	0.297	<1	2.44	0.010	1.03	0.6	<0.01	2.7	0.5	<0.05	8	<0.5	<0.2
22900 88600	Soil	9	24	2.17	389	0.071	<1	3.23	0.028	0.20	<0.1	<0.01	12.7	<0.1	<0.05	13	0.5	<0.2
REP 22900 88600	QC	9	25	2.09	392	0.076	1	3.24	0.024	0.21	<0.1	0.01	12.3	<0.1	<0.05	13	<0.5	<0.2
22900 89600	Soil	11	21	0.62	115	0.116	1	1.44	0.009	0.19	0.1	0.01	4.0	0.2	<0.05	7	<0.5	<0.2
REP 22900 89600	QC	11	23	0.71	124	0.126	1	1.65	0.009	0.21	0.2	0.01	4.5	0.2	<0.05	8	<0.5	<0.2
22800 89200	Soil	13	32	1.01	278	0.138	1	1.73	0.017	0.15	<0.1	0.01	6.5	0.1	<0.05	7	<0.5	<0.2
REP 22800 89200	QC	13	31	1.03	290	0.139	<1	1.78	0.018	0.16	<0.1	0.01	6.5	0.1	<0.05	7	<0.5	<0.2
22800 89550	Soil	15	37	1.05	329	0.243	1	1.81	0.072	0.44	<0.1	<0.01	6.3	0.2	0.54	9	<0.5	<0.2
REP 22800 89550	QC	15	35	0.96	335	0.239	<1	1.58	0.069	0.43	<0.1	0.01	6.2	0.2	0.54	9	<0.5	<0.2
22600 88950	Soil	7	22	1.03	267	0.190	1	2.29	0.014	0.36	0.1	<0.01	2.9	0.2	<0.05	7	<0.5	<0.2
REP 22600 88950	QC	7	24	1.00	269	0.191	1	2.28	0.016	0.36	0.1	0.01	2.9	0.2	<0.05	7	0.7	<0.2
22600 90700	Soil	10	21	1.23	196	0.200	<1	2.92	0.018	0.41	<0.1	<0.01	2.6	0.2	<0.05	11	<0.5	<0.2
REP 22600 90700	QC	11	21	1.19	198	0.194	<1	2.82	0.018	0.39	<0.1	<0.01	2.8	0.1	<0.05	11	<0.5	0.2
22700 89100	Soil	12	41	1.45	237	0.137	<1	1.88	0.010	0.31	<0.1	<0.01	4.8	0.2	<0.05	7	<0.5	<0.2
REP 22700 89100	QC	12	41	1.47	247	0.140	<1	1.93	0.011	0.30	0.1	0.02	4.8	0.2	<0.05	8	<0.5	<0.2
22700 90000	Soil	8	62	0.90	135	0.106	<1	1.76	0.010	0.14	<0.1	0.01	3.3	0.1	<0.05	7	<0.5	<0.2
REP 22700 90000	QC	9	64	0.92	138	0.109	<1	1.79	0.011	0.14	<0.1	<0.01	3.5	0.1	<0.05	7	<0.5	<0.2
24600 89250	Soil	8	31	0.62	154	0.062	<1	1.97	0.016	0.05	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
REP 24600 89250	QC	8	32	0.61	151	0.062	<1	1.97	0.011	0.05	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	14	176	1.04	418	0.126	40	1.02	0.122	0.50	3.8	0.21	2.9	4.0	0.20	5	3.6	0.8



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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS7	Standard	20.4	116.5	69.0	395	1.0	53.7	9.0	621	2.32	52.9	5.0	89.6	4.9	79	6.9	6.3	5.0	81	0.94	0.077
STD DS7	Standard	20.3	108.9	67.6	400	1.0	54.6	9.1	633	2.38	51.7	4.6	65.0	4.3	77	6.3	5.7	4.7	84	0.93	0.081
STD DS7	Standard	20.0	117.1	71.9	390	1.0	53.6	9.4	625	2.31	52.6	5.0	75.3	4.7	73	6.8	6.3	5.0	73	0.92	0.082
STD DS7	Standard	20.4	106.2	73.4	397	1.0	54.6	8.8	582	2.29	49.3	5.2	66.6	4.9	72	6.1	5.9	4.8	83	0.89	0.072
STD DS7	Standard	19.9	84.6	55.9	350	0.9	53.1	8.4	545	2.10	44.7	4.1	67.5	3.8	59	5.3	4.7	3.7	80	0.84	0.070
STD DS7	Standard	21.8	112.0	69.7	415	1.0	57.7	9.6	651	2.49	56.7	5.0	60.5	4.7	87	6.7	6.7	5.0	88	1.06	0.086
STD DS7	Standard	21.8	112.7	82.0	409	1.2	59.0	9.2	607	2.34	52.5	5.6	75.8	5.3	81	6.4	6.7	5.2	85	0.94	0.077
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa

Report Date: September 21, 2010

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QUALITY CONTROL REPORT

WHI10000329.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS7	Standard	14	173	1.03	398	0.125	40	1.01	0.106	0.50	3.7	0.20	2.7	4.0	0.16	5	3.0	1.0
STD DS7	Standard	13	190	1.04	409	0.121	40	1.03	0.106	0.46	3.7	0.22	2.4	4.2	0.22	5	3.4	1.6
STD DS7	Standard	12	166	1.09	367	0.122	42	1.04	0.105	0.48	3.5	0.23	2.6	4.0	0.17	5	3.3	1.0
STD DS7	Standard	12	185	1.07	380	0.115	39	0.98	0.094	0.45	3.6	0.22	2.5	4.2	0.19	4	2.9	1.7
STD DS7	Standard	12	175	0.96	326	0.095	36	0.91	0.086	0.41	3.6	0.20	1.8	3.8	0.18	4	3.1	0.8
STD DS7	Standard	14	197	1.11	434	0.131	44	1.11	0.102	0.47	3.7	0.23	2.6	4.1	0.20	5	2.8	1.8
STD DS7	Standard	13	196	1.02	411	0.129	38	1.00	0.096	0.46	3.7	0.22	2.5	4.3	0.22	4	2.8	0.8
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: August 25, 2010

Report Date: September 21, 2010

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CERTIFICATE OF ANALYSIS

WHI10000329.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-9
P.O. Number
Number of Samples: 233

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
PICKUP-RJT Client to Pickup Rejects

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
John Brock
Michael Renning

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	233	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	233	Dry at 60C			WHI
RJSV	233	Saving all or part of Soil Reject			WHI
1DX2	233	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
Report Date: September 21, 2010

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CERTIFICATE OF ANALYSIS

WHI10000329.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25850 89300	Soil	0.8	13.0	6.4	44	<0.1	11.6	6.4	199	2.36	4.1	0.9	22.2	5.8	21	<0.1	0.3	0.1	42	0.26	0.038
25850 89350	Soil	1.0	22.1	9.1	51	<0.1	22.9	10.2	335	3.08	8.6	0.6	7.1	7.4	18	<0.1	0.5	0.2	65	0.20	0.033
25850 89400	Soil	1.2	18.9	8.8	54	0.1	20.3	9.1	331	3.02	7.8	0.7	5.8	7.3	21	0.1	0.4	0.1	57	0.22	0.035
25850 89450	Soil	1.1	16.4	7.8	50	<0.1	17.3	8.6	349	2.73	6.6	0.6	87.2	7.9	24	<0.1	0.3	0.1	52	0.23	0.025
25850 89500	Soil	2.5	17.7	9.0	55	0.1	17.0	7.3	391	3.08	6.0	0.6	21.6	6.6	32	0.1	0.3	0.2	49	0.20	0.072
25850 89600	Soil	4.4	21.1	7.1	54	0.1	20.1	7.8	466	3.35	6.2	0.5	211.4	4.8	27	0.1	0.4	0.2	54	0.20	0.060
25850 89650	Soil	4.0	22.8	9.0	61	0.1	21.0	10.7	367	3.21	7.7	0.7	101.3	7.0	18	0.1	0.5	0.2	62	0.17	0.025
25850 89700	Soil	3.9	28.6	9.1	60	0.1	17.6	8.8	398	3.08	7.3	0.8	106.9	4.1	23	0.1	0.6	0.3	60	0.22	0.034
25850 89750	Soil	5.9	22.4	8.7	51	0.1	15.1	9.9	450	2.88	6.4	0.7	328.3	4.3	12	0.1	0.5	0.3	44	0.13	0.032
25850 89850	Soil	6.2	22.2	11.5	50	0.3	18.4	9.4	340	2.91	7.9	0.9	12.4	7.2	16	<0.1	0.4	0.2	52	0.17	0.035
25250 89200	Soil	3.8	58.7	18.7	132	0.1	4.0	11.1	655	4.28	2.5	0.8	24.7	4.9	16	0.3	0.2	0.5	55	0.42	0.071
25250 89250	Soil	8.1	43.2	29.9	130	0.4	7.8	7.4	773	3.16	4.6	0.7	145.8	5.4	12	0.3	0.3	0.7	38	0.13	0.040
25250 89300	Soil	2.0	33.5	15.1	113	0.1	9.3	9.4	605	3.46	1.8	1.2	7.0	8.8	27	0.2	0.3	0.3	48	0.67	0.052
25250 89350	Soil	3.4	13.3	13.1	81	0.1	4.4	6.3	255	2.96	1.4	0.7	10.1	6.4	24	<0.1	0.3	0.5	27	0.10	0.013
25250 89400	Soil	2.1	23.7	11.1	63	<0.1	15.6	7.1	406	2.68	6.3	0.9	7.1	8.6	27	<0.1	0.4	0.2	49	0.22	0.014
25250 89450	Soil	2.3	21.7	11.7	61	<0.1	19.8	7.0	216	2.84	7.8	0.7	4.7	7.9	28	0.1	0.5	0.2	49	0.11	0.016
25250 89500	Soil	3.8	22.0	10.3	59	<0.1	18.8	8.0	336	2.70	6.6	0.9	12.2	5.4	28	<0.1	0.4	0.2	57	0.29	0.020
25250 89700	Soil	1.9	29.3	15.9	96	<0.1	27.9	9.5	377	3.61	6.7	0.9	6.6	7.5	22	0.2	0.4	0.3	56	0.23	0.030
25250 89750	Soil	2.6	40.8	17.9	73	<0.1	23.0	9.9	358	3.16	6.2	0.7	75.4	8.2	19	0.1	0.4	0.3	60	0.23	0.024
25250 89850	Soil	2.3	20.8	9.9	68	<0.1	12.5	7.7	368	3.34	5.8	0.8	13.7	5.4	18	0.1	0.4	0.3	61	0.24	0.036
25150 89200	Soil	2.1	73.1	42.6	703	0.5	12.7	12.8	792	5.42	9.1	1.3	4.9	5.0	63	1.2	0.2	0.6	86	0.58	0.088
25150 89250	Soil	3.4	168.0	34.9	106	1.1	10.7	10.7	645	4.65	10.5	1.4	9.4	3.6	45	0.4	0.3	3.1	83	0.35	0.054
25150 89350	Soil	1.7	25.8	7.8	68	<0.1	4.4	7.1	341	3.57	3.0	0.7	2.3	5.3	28	<0.1	0.2	0.4	43	0.21	0.016
25150 89700	Soil	2.5	37.8	11.4	73	0.1	157.6	26.9	673	4.42	5.9	1.3	1.7	7.9	108	0.1	0.3	0.2	102	0.95	0.322
25150 89800	Soil	3.6	33.1	13.4	74	0.1	15.1	8.4	334	2.92	5.8	0.8	15.5	5.8	21	0.2	0.4	0.3	55	0.25	0.032
25150 89850	Soil	3.0	30.6	9.7	60	<0.1	15.6	7.3	284	2.79	6.6	0.8	16.9	5.5	23	<0.1	0.4	0.2	59	0.28	0.029
25150 89900	Soil	2.4	63.5	8.6	104	0.4	5.8	6.3	569	3.73	4.5	0.6	2.0	4.4	19	0.2	0.2	0.4	51	0.22	0.043
25750 89350	Soil	3.8	27.0	10.4	50	0.2	19.0	9.6	527	2.84	6.2	0.9	39.8	5.3	32	<0.1	0.4	0.2	51	0.38	0.047
25750 89400	Soil	3.1	33.3	9.7	60	0.2	17.8	7.3	384	2.77	6.2	0.9	78.9	4.9	27	0.1	0.5	0.3	50	0.38	0.033
25750 89450	Soil	3.3	43.9	9.6	64	0.2	19.5	8.9	506	2.92	5.8	0.9	72.0	6.3	29	<0.1	0.6	0.3	51	0.30	0.035



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25850 89300	Soil	18	23	0.47	241	0.063	<1	1.62	0.014	0.15	0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
25850 89350	Soil	13	38	0.60	246	0.073	1	2.22	0.010	0.08	0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
25850 89400	Soil	16	31	0.54	187	0.066	1	2.25	0.011	0.10	0.1	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
25850 89450	Soil	14	33	0.55	262	0.075	<1	1.85	0.011	0.12	0.1	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
25850 89500	Soil	14	35	0.53	316	0.061	<1	1.87	0.010	0.20	0.1	0.01	3.1	0.1	<0.05	6	<0.5	<0.2
25850 89600	Soil	14	31	0.50	284	0.059	<1	2.11	0.009	0.15	<0.1	0.01	3.3	0.1	<0.05	7	<0.5	<0.2
25850 89650	Soil	13	40	0.57	218	0.074	1	2.38	0.012	0.09	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
25850 89700	Soil	18	32	0.48	367	0.068	1	1.94	0.013	0.11	0.1	0.03	5.7	0.1	<0.05	6	<0.5	<0.2
25850 89750	Soil	15	22	0.34	263	0.031	1	1.72	0.009	0.12	0.1	0.03	3.2	<0.1	<0.05	4	<0.5	0.2
25850 89850	Soil	18	31	0.47	243	0.047	<1	2.23	0.012	0.07	0.1	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
25250 89200	Soil	10	6	0.95	259	0.072	<1	2.42	0.009	0.50	<0.1	<0.01	4.3	0.3	<0.05	9	<0.5	0.2
25250 89250	Soil	13	15	0.33	198	0.031	<1	1.67	0.009	0.22	0.1	0.02	2.8	0.1	<0.05	6	<0.5	0.3
25250 89300	Soil	25	21	0.84	293	0.057	<1	2.19	0.016	0.22	<0.1	<0.01	5.9	0.2	<0.05	8	<0.5	<0.2
25250 89350	Soil	14	9	0.52	177	0.020	<1	2.20	0.007	0.30	<0.1	0.01	2.7	0.2	<0.05	6	<0.5	<0.2
25250 89400	Soil	29	30	0.45	238	0.059	<1	1.91	0.011	0.09	<0.1	0.02	4.6	0.1	<0.05	6	0.5	<0.2
25250 89450	Soil	12	31	0.37	232	0.038	<1	2.87	0.009	0.09	<0.1	0.01	3.4	0.1	<0.05	6	<0.5	<0.2
25250 89500	Soil	16	31	0.58	233	0.082	1	1.74	0.014	0.06	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
25250 89700	Soil	23	42	0.61	452	0.058	<1	2.30	0.010	0.09	0.1	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
25250 89750	Soil	21	37	0.59	323	0.066	<1	2.38	0.013	0.09	0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
25250 89850	Soil	15	24	0.60	286	0.075	<1	2.13	0.010	0.12	0.1	0.01	3.6	0.2	<0.05	8	<0.5	<0.2
25150 89200	Soil	31	25	1.40	364	0.232	<1	2.75	0.024	0.64	<0.1	<0.01	6.0	0.4	0.06	12	0.8	0.6
25150 89250	Soil	37	32	0.81	398	0.166	<1	2.14	0.013	0.75	<0.1	0.02	4.9	0.4	0.05	10	<0.5	2.8
25150 89350	Soil	13	9	0.72	212	0.062	<1	2.63	0.008	0.45	<0.1	<0.01	3.4	0.2	<0.05	8	<0.5	<0.2
25150 89700	Soil	46	221	1.76	765	0.128	1	2.21	0.019	0.09	0.1	0.02	6.2	0.2	<0.05	8	<0.5	<0.2
25150 89800	Soil	18	25	0.53	357	0.066	<1	1.93	0.012	0.09	0.1	0.01	3.2	0.2	<0.05	6	<0.5	<0.2
25150 89850	Soil	22	27	0.49	320	0.073	<1	1.82	0.011	0.07	<0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
25150 89900	Soil	7	10	0.62	265	0.222	1	1.76	0.010	0.75	0.2	<0.01	3.4	0.5	<0.05	8	<0.5	0.3
25750 89350	Soil	20	36	0.53	500	0.060	1	1.84	0.013	0.10	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
25750 89400	Soil	17	33	0.51	571	0.054	1	1.83	0.011	0.11	0.1	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
25750 89450	Soil	19	36	0.53	458	0.056	<1	1.89	0.014	0.12	0.1	0.03	4.3	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
25750 89500	Soil	2.3	47.0	8.5	68	<0.1	17.1	8.3	425	3.01	5.4	1.2	53.9	5.9	26	0.1	0.6	0.3	51	0.24	0.030
25750 89600	Soil	1.9	47.3	8.8	71	0.3	21.8	8.6	606	2.91	7.4	0.6	65.8	4.8	19	0.3	0.6	0.3	62	0.24	0.033
25750 89650	Soil	6.3	55.9	11.3	128	0.1	15.8	7.1	403	2.68	6.1	0.7	186.6	3.9	16	0.6	0.8	0.5	44	0.18	0.027
25750 89700	Soil	1.8	39.5	9.7	70	0.1	12.1	9.5	343	3.64	4.4	0.8	3.2	3.3	14	<0.1	0.5	0.3	50	0.14	0.048
25750 89750	Soil	0.9	8.3	12.6	41	<0.1	8.6	5.8	352	1.98	3.1	0.5	2.9	1.3	15	<0.1	0.3	<0.1	28	0.10	0.026
25750 89800	Soil	1.7	27.5	17.1	46	0.1	17.2	8.3	289	2.57	5.4	0.6	18.8	4.0	17	<0.1	0.5	0.2	50	0.17	0.019
25750 89850	Soil	1.4	33.1	11.1	63	<0.1	25.8	11.6	441	2.98	6.1	0.8	7.8	6.0	23	<0.1	0.4	0.2	62	0.24	0.037
25750 89900	Soil	1.5	28.1	18.8	58	0.2	20.6	9.3	380	2.97	7.1	1.0	9.1	3.3	17	0.1	0.4	0.3	65	0.18	0.057
25650 89050	Soil	1.7	15.9	10.9	68	<0.1	18.9	10.4	407	2.93	5.1	0.6	1.0	3.9	16	0.2	0.4	0.2	67	0.19	0.038
25650 89200	Soil	3.2	91.3	10.5	77	<0.1	15.5	8.1	329	2.89	6.3	0.8	31.3	7.6	25	0.1	0.6	0.5	44	0.19	0.020
25650 89250	Soil	1.4	197.5	10.6	136	<0.1	4.2	15.0	618	5.31	2.5	0.8	<0.5	3.9	11	0.2	<0.1	0.2	84	0.24	0.081
25650 89300	Soil	3.1	165.4	11.0	145	0.3	11.5	8.3	874	3.55	3.5	2.2	1.1	15.1	25	0.5	0.2	0.2	47	0.37	0.062
25650 89350	Soil	2.3	100.2	9.5	89	0.2	18.1	7.1	265	2.74	6.4	0.6	7.4	6.4	27	0.3	0.4	0.4	48	0.17	0.025
25650 89400	Soil	5.1	102.1	10.1	96	0.4	10.3	7.9	413	3.25	7.2	0.5	2.7	7.9	20	0.2	0.5	0.4	48	0.12	0.037
25650 89450	Soil	9.0	104.7	11.5	63	0.1	12.7	6.4	273	2.72	5.4	0.9	156.1	6.6	19	0.1	0.9	0.4	41	0.14	0.018
25650 89500	Soil	6.9	74.9	18.5	64	0.3	19.1	11.1	491	3.14	8.3	0.9	180.5	6.3	20	0.2	0.9	0.3	62	0.19	0.026
25650 89550	Soil	4.3	58.5	19.3	62	0.1	23.7	10.0	361	2.91	7.1	0.8	83.3	6.2	22	0.2	0.7	0.3	55	0.22	0.018
25650 89600	Soil	4.4	66.3	15.6	64	0.1	19.0	9.0	412	2.86	5.9	0.9	67.2	6.7	17	0.1	0.6	0.3	50	0.18	0.017
25650 89650	Soil	3.8	74.3	13.3	78	0.8	13.9	7.3	502	3.05	7.0	0.6	32.8	4.0	16	0.6	0.6	0.4	51	0.15	0.046
25650 89700	Soil	4.4	88.4	15.1	85	0.5	17.3	8.5	419	3.23	7.6	1.2	71.2	8.8	15	0.2	0.8	0.5	44	0.13	0.020
25650 89750	Soil	1.4	42.2	10.2	69	<0.1	27.7	9.8	441	3.01	9.5	0.9	10.0	6.0	26	0.2	0.6	0.2	66	0.28	0.026
25650 89800	Soil	1.7	40.6	12.3	53	0.1	17.8	8.1	304	2.45	6.8	1.0	20.7	2.7	25	0.2	0.5	0.2	52	0.24	0.046
25650 89850	Soil	2.9	37.3	14.0	54	0.2	20.5	6.7	232	2.52	6.4	1.2	37.8	0.8	32	0.3	0.4	0.3	55	0.31	0.054
25450 89200	Soil	3.9	25.7	12.6	69	0.2	22.2	9.4	532	2.87	6.4	1.0	41.5	7.3	27	0.2	0.4	0.3	55	0.22	0.023
25450 89250	Soil	3.4	29.6	12.4	65	<0.1	19.1	8.1	345	2.62	5.8	0.9	29.8	5.4	24	0.1	0.5	0.2	53	0.24	0.016
25450 89300	Soil	4.7	47.7	20.6	119	0.2	13.6	6.0	302	2.50	5.4	0.8	123.0	5.7	20	0.3	0.6	0.4	45	0.16	0.016
25450 89350	Soil	5.2	51.8	23.2	156	0.3	17.0	6.9	320	2.82	5.4	0.8	103.3	6.8	23	0.5	0.5	0.4	46	0.16	0.016
25450 89400	Soil	8.0	121.5	28.6	144	0.3	10.3	6.9	344	3.19	5.4	0.9	233.2	5.7	31	0.4	0.6	0.8	52	0.18	0.022
25450 89450	Soil	9.0	156.9	28.2	110	0.3	16.9	7.2	332	2.87	7.6	1.4	288.1	7.2	18	0.4	0.8	0.5	49	0.17	0.014
25450 89500	Soil	4.2	84.0	16.3	78	0.8	21.8	8.7	324	3.03	8.7	1.1	66.7	5.7	24	1.5	0.6	0.3	63	0.23	0.027



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Project: Mariposa
Report Date: September 21, 2010

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25750 89500	Soil	20	30	0.53	388	0.062	<1	1.66	0.016	0.12	0.1	0.03	4.5	0.1	<0.05	5	<0.5	0.2
25750 89600	Soil	12	33	0.58	359	0.071	2	2.07	0.012	0.09	0.1	0.03	3.5	<0.1	<0.05	6	<0.5	0.2
25750 89650	Soil	15	25	0.41	345	0.044	1	1.45	0.010	0.07	<0.1	0.03	2.8	<0.1	<0.05	4	<0.5	0.2
25750 89700	Soil	16	19	0.41	342	0.021	<1	2.22	0.009	0.14	0.2	0.02	3.9	0.2	<0.05	5	<0.5	<0.2
25750 89750	Soil	8	15	0.21	357	0.019	<1	1.38	0.010	0.09	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
25750 89800	Soil	14	29	0.49	261	0.052	1	1.88	0.012	0.06	0.1	0.02	3.2	<0.1	<0.05	5	<0.5	0.2
25750 89850	Soil	19	38	0.67	365	0.092	2	1.93	0.015	0.08	0.2	0.02	4.9	0.1	<0.05	6	<0.5	<0.2
25750 89900	Soil	16	35	0.51	333	0.063	<1	1.94	0.009	0.08	0.1	0.04	3.5	0.1	<0.05	6	<0.5	<0.2
25650 89050	Soil	13	32	0.49	198	0.077	2	1.62	0.010	0.10	0.1	0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
25650 89200	Soil	19	25	0.47	229	0.078	1	1.81	0.010	0.17	0.1	0.02	3.2	0.2	<0.05	5	<0.5	0.5
25650 89250	Soil	6	7	1.07	294	0.334	<1	2.75	0.009	1.27	0.4	<0.01	2.3	0.6	<0.05	9	<0.5	<0.2
25650 89300	Soil	30	17	0.56	350	0.220	2	1.91	0.012	0.70	0.2	<0.01	3.3	0.4	<0.05	8	<0.5	<0.2
25650 89350	Soil	15	24	0.47	296	0.070	<1	1.87	0.008	0.14	0.2	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
25650 89400	Soil	15	18	0.39	275	0.058	<1	1.67	0.007	0.21	0.1	0.02	1.8	0.2	<0.05	7	<0.5	0.2
25650 89450	Soil	18	23	0.36	272	0.037	1	1.48	0.011	0.07	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
25650 89500	Soil	18	36	0.50	381	0.055	2	1.89	0.012	0.08	0.2	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
25650 89550	Soil	16	32	0.53	355	0.066	2	1.97	0.011	0.08	0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
25650 89600	Soil	17	29	0.47	376	0.060	2	1.62	0.011	0.08	0.1	0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
25650 89650	Soil	13	22	0.28	211	0.020	2	1.89	0.007	0.10	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
25650 89700	Soil	18	26	0.35	282	0.037	2	1.83	0.019	0.10	0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
25650 89750	Soil	18	37	0.64	440	0.086	2	2.03	0.013	0.08	0.1	0.01	6.4	<0.1	<0.05	5	<0.5	<0.2
25650 89800	Soil	20	31	0.45	337	0.048	2	1.68	0.010	0.05	<0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
25650 89850	Soil	28	38	0.44	436	0.032	<1	1.86	0.010	0.07	<0.1	0.04	2.6	<0.1	<0.05	6	<0.5	<0.2
25450 89200	Soil	25	32	0.51	388	0.074	2	1.93	0.011	0.11	0.1	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
25450 89250	Soil	17	31	0.57	255	0.086	2	1.56	0.012	0.09	0.1	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
25450 89300	Soil	15	24	0.41	254	0.058	1	1.51	0.009	0.11	<0.1	0.02	2.9	0.1	<0.05	4	<0.5	<0.2
25450 89350	Soil	14	34	0.48	248	0.066	<1	1.78	0.009	0.11	0.1	0.02	3.0	0.1	<0.05	5	<0.5	0.2
25450 89400	Soil	18	18	0.51	372	0.079	<1	1.79	0.015	0.22	0.1	0.03	3.5	0.2	<0.05	5	<0.5	0.2
25450 89450	Soil	38	30	0.44	361	0.058	1	1.67	0.011	0.08	<0.1	0.03	4.7	<0.1	<0.05	4	<0.5	0.3
25450 89500	Soil	23	35	0.54	564	0.073	1	2.07	0.009	0.11	<0.1	0.04	4.2	<0.1	<0.05	6	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25450 89550	Soil				4.6	181.8	26.5	79	0.3	15.5	9.3	486	3.33	7.3	1.3	91.3	8.5	20	0.1	0.7	0.6	42	0.14	0.020
25450 89600	Soil				4.2	70.5	12.7	66	0.7	10.5	6.5	847	2.60	4.9	0.8	927.3	7.9	34	0.4	0.5	0.5	29	0.17	0.027
25450 89650	Soil				3.9	218.9	37.6	107	0.9	14.6	8.3	366	3.90	7.4	1.4	6.1	8.5	20	0.4	0.7	0.9	46	0.10	0.029
25450 89700	Soil				5.2	102.9	34.8	156	<0.1	8.0	10.5	608	4.40	5.5	0.7	9.4	3.6	24	0.2	0.5	1.0	69	0.12	0.041
25550 89100	Soil				2.6	47.7	11.7	95	<0.1	14.0	6.4	620	2.57	9.5	1.6	2.0	7.5	21	0.5	0.5	0.4	42	0.24	0.025
25550 89150	Soil				2.1	73.8	8.7	62	0.1	10.9	5.7	289	2.39	4.2	0.9	7.3	5.7	20	0.2	0.3	0.8	42	0.22	0.026
25550 89200	Soil				1.6	71.6	9.6	71	<0.1	14.3	7.3	318	2.88	8.6	1.2	2.8	8.4	20	0.2	0.4	0.6	47	0.19	0.017
25550 89250	Soil				0.9	126.1	7.0	139	<0.1	5.7	10.7	529	4.38	1.8	0.8	3.6	5.5	20	<0.1	0.1	0.7	71	0.34	0.067
25550 89300	Soil				1.1	146.3	7.6	106	<0.1	8.1	9.8	441	4.11	2.7	1.2	5.5	11.1	19	<0.1	0.2	0.8	60	0.30	0.069
25550 93350	Soil				3.1	139.0	13.8	75	0.1	14.5	9.9	619	3.36	4.7	1.5	91.4	11.0	28	0.2	0.4	1.2	41	0.24	0.046
25550 89400	Soil				2.6	212.7	9.4	104	0.1	37.1	10.7	513	4.02	1.4	1.3	9.4	11.9	43	0.2	0.1	0.8	46	0.67	0.134
25550 89450	Soil				3.3	245.6	12.5	90	<0.1	11.3	9.8	352	3.68	4.3	1.1	66.1	8.0	37	0.1	0.5	0.7	40	0.17	0.018
25550 89500	Soil				2.8	62.0	9.5	86	0.4	7.8	5.8	715	3.28	5.9	0.8	87.6	3.7	17	0.3	0.5	1.0	39	0.12	0.048
25550 89550	Soil				3.2	101.5	14.1	103	0.3	5.8	7.7	418	3.96	3.9	0.8	5.2	6.1	22	0.1	0.9	1.3	30	0.13	0.028
25550 89600	Soil				2.4	72.3	12.0	79	0.7	18.7	8.7	354	3.67	10.7	0.7	22.3	5.0	25	0.2	0.9	0.8	64	0.11	0.026
25550 89650	Soil				2.5	79.5	11.9	80	0.2	17.3	9.1	502	3.08	8.3	1.2	14.6	6.8	34	0.1	0.7	0.3	53	0.30	0.030
25550 89700	Soil				5.0	97.9	12.3	75	<0.1	17.2	12.5	484	3.86	7.3	0.8	11.9	5.6	18	0.3	0.5	1.2	46	0.13	0.032
25550 89750	Soil				0.5	60.8	20.4	91	<0.1	142.6	27.8	812	4.22	3.0	2.1	14.3	17.8	212	0.1	0.3	0.3	106	1.19	0.379
25550 89800	Soil				3.0	159.8	31.3	153	0.1	13.2	13.2	656	4.27	6.3	0.6	13.1	4.6	14	0.4	0.7	0.6	39	0.24	0.119
22900 88450	Soil				1.1	19.3	11.5	73	<0.1	12.5	8.4	469	3.03	225.0	1.0	0.7	5.8	28	<0.1	0.3	0.2	46	0.34	0.055
22900 88500	Soil				1.5	8.8	8.6	67	<0.1	5.9	3.9	391	2.44	5.3	0.7	1.5	8.3	12	<0.1	0.1	<0.1	17	0.18	0.026
22900 88550	Soil				0.8	46.9	8.8	88	<0.1	51.3	24.3	653	4.70	8.3	0.7	1.4	3.0	36	0.1	0.2	<0.1	110	0.76	0.109
22900 88600	Soil				0.4	26.9	3.5	148	<0.1	9.7	22.6	1019	6.35	2.5	0.6	1.2	3.2	30	<0.1	<0.1	<0.1	128	0.83	0.252
22900 88650	Soil				0.3	25.9	4.0	110	<0.1	8.9	15.3	536	4.51	4.4	0.2	<0.5	1.0	15	<0.1	0.2	<0.1	80	0.26	0.070
22900 88700	Soil				0.2	11.8	3.7	115	<0.1	8.0	22.0	549	4.59	3.2	0.4	<0.5	1.9	12	<0.1	<0.1	<0.1	120	0.43	0.164
22900 88750	Soil				0.3	26.6	2.5	128	<0.1	17.1	23.7	1141	5.25	2.8	0.9	1.8	5.9	19	<0.1	0.2	<0.1	114	0.39	0.086
22900 88800	Soil				0.2	50.8	2.1	123	<0.1	14.6	19.8	954	3.96	2.7	0.9	1.3	3.8	20	<0.1	0.2	<0.1	107	0.42	0.118
22900 88850	Soil				0.7	19.2	5.2	82	<0.1	14.4	14.1	597	3.83	5.0	0.6	2.5	4.3	15	<0.1	0.3	0.1	90	0.17	0.030
22900 88950	Soil				0.7	35.3	8.9	64	<0.1	23.4	11.1	390	2.86	8.2	0.7	1.7	4.8	22	<0.1	0.5	0.2	61	0.28	0.046
22900 89100	Soil				0.9	32.5	4.0	110	0.1	14.9	11.0	794	3.81	4.1	0.7	3.2	2.4	23	0.1	0.2	0.1	64	0.59	0.097



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25450 89550	Soil	22	25	0.43	363	0.032	1	1.91	0.008	0.10	<0.1	0.03	3.7	0.1	<0.05	4	<0.5	0.6
25450 89600	Soil	18	16	0.27	395	0.013	2	1.84	0.007	0.10	<0.1	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
25450 89650	Soil	22	27	0.35	236	0.033	1	2.12	0.012	0.10	0.1	0.04	3.4	0.1	<0.05	5	0.8	0.3
25450 89700	Soil	10	15	0.56	270	0.098	1	2.33	0.007	0.34	0.2	0.02	3.6	0.4	<0.05	9	<0.5	<0.2
25550 89100	Soil	28	22	0.42	332	0.062	1	1.41	0.009	0.17	0.2	0.02	3.2	0.1	<0.05	5	<0.5	<0.2
25550 89150	Soil	17	18	0.43	252	0.085	1	1.35	0.011	0.16	0.2	0.02	2.6	<0.1	<0.05	5	<0.5	0.3
25550 89200	Soil	21	20	0.47	270	0.082	<1	1.65	0.011	0.23	0.1	0.01	3.2	0.1	<0.05	5	<0.5	<0.2
25550 89250	Soil	14	7	1.01	424	0.307	<1	2.46	0.012	1.00	0.6	<0.01	2.8	0.5	<0.05	8	<0.5	<0.2
25550 89300	Soil	36	11	0.87	454	0.234	1	2.30	0.009	0.85	0.4	0.01	5.4	0.4	<0.05	9	<0.5	<0.2
25550 93350	Soil	35	22	0.48	292	0.057	2	1.58	0.011	0.17	0.2	0.01	3.6	0.1	<0.05	5	<0.5	0.3
25550 89400	Soil	53	32	1.11	767	0.061	<1	2.30	0.010	0.53	0.2	<0.01	4.8	0.3	<0.05	8	<0.5	0.6
25550 89450	Soil	20	19	0.55	376	0.040	<1	2.07	0.009	0.19	0.1	0.01	3.0	0.2	<0.05	5	<0.5	0.2
25550 89500	Soil	17	15	0.24	273	0.031	1	1.11	0.008	0.14	0.1	0.02	2.6	<0.1	0.07	5	<0.5	<0.2
25550 89550	Soil	17	10	0.32	375	0.017	2	1.72	0.007	0.24	0.1	0.02	3.5	0.2	<0.05	4	<0.5	<0.2
25550 89600	Soil	11	35	0.51	324	0.061	2	2.19	0.016	0.12	0.2	0.03	4.6	0.1	<0.05	7	<0.5	<0.2
25550 89650	Soil	20	29	0.52	503	0.055	2	1.82	0.016	0.11	0.1	0.03	6.2	0.1	<0.05	5	0.5	<0.2
25550 89700	Soil	17	24	0.42	268	0.041	1	2.29	0.009	0.16	0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
25550 89750	Soil	88	178	3.09	3029	0.236	<1	2.76	0.039	0.40	<0.1	0.02	7.2	0.2	<0.05	12	<0.5	<0.2
25550 89800	Soil	10	21	0.33	225	0.021	<1	1.80	0.009	0.13	0.1	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
22900 88450	Soil	16	18	0.64	212	0.072	<1	1.62	0.012	0.28	0.1	0.01	3.4	0.2	<0.05	6	<0.5	<0.2
22900 88500	Soil	15	10	0.63	298	0.015	<1	1.48	0.008	0.15	<0.1	0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
22900 88550	Soil	16	73	1.93	348	0.152	1	2.68	0.031	0.08	0.1	<0.01	11.3	<0.1	<0.05	10	<0.5	<0.2
22900 88600	Soil	9	24	2.17	389	0.071	<1	3.23	0.028	0.20	<0.1	<0.01	12.7	<0.1	<0.05	13	0.5	<0.2
22900 88650	Soil	3	16	1.39	180	0.322	<1	2.70	0.017	0.76	0.1	<0.01	4.7	0.3	<0.05	9	<0.5	<0.2
22900 88700	Soil	9	13	2.24	253	0.195	<1	2.81	0.019	0.70	<0.1	<0.01	11.1	0.3	<0.05	12	<0.5	<0.2
22900 88750	Soil	41	60	2.16	403	0.141	<1	2.93	0.012	0.41	<0.1	<0.01	15.3	0.2	<0.05	12	0.5	<0.2
22900 88800	Soil	14	26	2.31	302	0.082	<1	2.08	0.011	0.17	<0.1	<0.01	14.6	<0.1	<0.05	10	<0.5	<0.2
22900 88850	Soil	15	23	1.16	284	0.201	1	2.22	0.021	0.47	0.1	<0.01	8.8	0.2	<0.05	9	<0.5	<0.2
22900 88950	Soil	15	34	0.70	292	0.101	1	1.99	0.017	0.08	0.2	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
22900 89100	Soil	14	26	1.20	366	0.105	1	1.87	0.020	0.35	0.1	0.02	11.7	0.2	<0.05	8	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22900 89150	Soil	0.7	35.9	6.2	118	0.1	19.6	15.9	838	3.45	4.8	1.1	3.6	3.5	27	0.2	0.2	<0.1	73	0.64	0.143
22900 89200	Soil	3.4	29.5	8.5	76	0.2	24.9	16.2	632	3.91	5.2	0.7	2.6	3.2	21	<0.1	0.2	0.1	78	0.40	0.074
22900 89250	Soil	3.1	40.6	12.9	94	0.2	14.9	18.1	876	5.19	9.5	0.6	4.9	3.0	17	0.3	0.3	0.1	97	0.35	0.101
22900 89300	Soil	3.9	29.0	15.5	81	0.6	15.9	12.8	675	3.72	7.0	1.3	8.7	4.0	25	0.4	0.3	0.2	73	0.34	0.067
22900 89350	Soil	2.4	36.1	17.2	114	0.2	12.8	15.2	974	5.04	4.7	0.6	3.9	2.2	23	0.1	0.2	<0.1	108	0.50	0.145
22900 89400	Soil	1.7	25.8	8.4	77	0.1	15.5	15.0	696	3.74	7.6	0.8	4.4	3.9	16	<0.1	0.3	0.1	74	0.27	0.101
22900 89500	Soil	1.2	14.1	6.0	86	<0.1	13.7	11.4	542	3.94	6.6	0.5	8.5	4.4	14	<0.1	0.4	0.2	68	0.17	0.055
22900 89550	Soil	0.9	15.2	8.6	67	<0.1	20.8	12.2	491	3.19	10.8	0.7	2.5	4.4	20	0.1	0.6	0.2	65	0.26	0.070
22900 89600	Soil	0.7	7.8	7.2	61	<0.1	9.5	9.1	515	2.40	6.5	0.4	0.7	3.6	12	<0.1	0.3	0.2	58	0.17	0.064
22900 89750	Soil	1.1	16.3	9.1	72	0.1	14.1	9.0	422	3.38	7.0	0.8	4.0	4.0	17	<0.1	0.3	0.2	77	0.22	0.054
22900 89800	Soil	0.8	10.3	7.3	69	<0.1	11.1	7.9	344	2.90	6.9	0.4	1.1	2.9	13	<0.1	0.3	0.3	75	0.15	0.038
22900 89900	Soil	0.8	17.7	6.4	82	<0.1	15.1	11.0	470	3.13	6.0	1.2	1.9	6.9	19	<0.1	0.3	0.4	61	0.28	0.057
22900 90150	Soil	2.6	17.8	6.5	88	0.2	30.0	13.1	631	4.22	5.4	0.8	2.1	4.9	20	<0.1	0.3	0.2	82	0.28	0.085
22900 90200	Soil	1.8	14.6	7.5	75	0.1	15.2	9.8	622	3.28	6.6	0.6	1.9	3.9	15	<0.1	0.2	0.2	69	0.20	0.098
22900 90250	Soil	2.2	12.7	4.7	81	0.2	11.1	8.2	635	3.64	6.9	0.6	2.6	3.2	12	<0.1	0.3	0.2	72	0.18	0.061
22900 90400	Soil	2.1	15.1	6.7	85	<0.1	10.9	12.1	779	3.72	4.1	0.7	2.0	3.8	19	0.1	0.2	0.1	88	0.34	0.080
22900 90450	Soil	1.2	14.8	6.7	76	<0.1	10.9	9.6	443	3.33	5.1	0.7	3.9	4.0	17	0.1	0.3	0.1	73	0.21	0.050
22900 90500	Soil	0.7	17.4	8.1	67	<0.1	16.8	10.5	415	3.05	6.3	0.7	2.7	3.7	26	<0.1	0.3	0.1	62	0.30	0.055
22900 90550	Soil	1.4	5.8	16.0	124	<0.1	13.7	14.7	1409	4.06	4.1	0.4	1.0	1.2	57	0.2	0.2	0.1	94	0.88	0.215
22900 90600	Soil	0.6	6.6	7.7	76	<0.1	14.4	10.0	573	3.34	4.2	0.5	1.5	1.6	56	<0.1	0.2	0.1	79	0.56	0.093
22900 90650	Soil	0.8	9.7	9.4	84	<0.1	15.9	11.4	667	3.51	5.2	0.7	2.2	2.8	47	<0.1	0.2	0.1	73	0.68	0.115
22900 90700	Soil	0.7	7.6	8.5	98	<0.1	12.7	11.8	694	3.72	7.4	0.5	1.3	1.9	43	<0.1	0.3	0.1	93	0.64	0.170
22900 90750	Soil	0.8	9.0	9.1	86	<0.1	14.5	12.2	636	3.60	6.5	0.6	1.1	2.8	50	<0.1	0.3	0.1	82	0.53	0.113
22900 90800	Soil	0.5	8.8	5.8	75	<0.1	12.5	12.0	463	3.01	5.4	0.5	3.5	2.4	35	<0.1	0.3	<0.1	72	0.42	0.120
22800 88450	Soil	2.2	17.3	36.7	52	0.1	8.7	3.8	172	3.97	15.0	2.9	2.6	14.4	55	<0.1	0.4	0.2	37	0.13	0.059
22800 88500	Soil	1.0	20.9	15.4	72	<0.1	20.1	9.2	606	2.77	12.4	0.8	2.9	7.8	18	<0.1	0.3	0.2	35	0.35	0.070
22800 88550	Soil	1.6	34.5	9.5	57	<0.1	36.5	12.0	401	2.98	9.9	0.6	2.9	4.1	24	0.1	0.5	0.2	64	0.40	0.055
22800 88600	Soil	1.1	24.9	13.0	98	0.2	7.4	8.4	585	4.26	4.2	0.6	0.8	1.1	33	0.3	0.2	<0.1	81	0.47	0.076
22800 88650	Soil	0.9	40.7	9.2	61	0.3	16.8	13.3	270	3.11	8.1	0.4	1.6	2.1	27	0.3	0.3	0.1	83	0.40	0.178
22800 88700	Soil	0.9	39.0	9.2	103	0.2	15.6	15.0	1421	3.82	6.5	0.4	4.9	2.3	65	0.3	0.3	0.1	81	0.87	0.152



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22900 89150	Soil	16	30	1.42	445	0.159	2	2.11	0.014	0.39	<0.1	0.02	9.9	0.2	<0.05	8	<0.5	<0.2
22900 89200	Soil	12	48	1.06	351	0.171	<1	2.10	0.019	0.21	0.1	0.02	6.0	0.2	<0.05	8	<0.5	<0.2
22900 89250	Soil	12	28	0.97	308	0.148	<1	2.03	0.019	0.28	<0.1	0.01	8.5	0.2	<0.05	8	<0.5	<0.2
22900 89300	Soil	22	28	0.80	484	0.135	1	1.98	0.017	0.16	0.1	0.02	6.5	0.2	0.06	7	<0.5	0.3
22900 89350	Soil	10	30	1.57	531	0.238	<1	2.40	0.017	0.77	0.1	0.02	6.1	0.4	0.11	9	0.6	0.4
22900 89400	Soil	11	28	0.84	231	0.148	1	2.12	0.014	0.32	0.1	0.02	5.7	0.2	<0.05	7	<0.5	0.2
22900 89500	Soil	14	25	0.96	181	0.151	1	2.26	0.009	0.38	0.1	0.01	6.4	0.3	<0.05	8	<0.5	<0.2
22900 89550	Soil	15	31	0.61	177	0.089	2	1.92	0.012	0.10	0.2	0.03	4.5	0.1	<0.05	6	0.6	<0.2
22900 89600	Soil	11	21	0.62	115	0.116	1	1.44	0.009	0.19	0.1	0.01	4.0	0.2	<0.05	7	<0.5	<0.2
22900 89750	Soil	15	27	0.70	214	0.133	2	2.23	0.013	0.15	0.1	0.02	6.1	0.2	<0.05	9	<0.5	<0.2
22900 89800	Soil	11	20	0.68	127	0.156	<1	1.85	0.010	0.11	0.1	0.01	5.0	0.1	<0.05	9	<0.5	<0.2
22900 89900	Soil	28	26	0.71	262	0.137	1	2.20	0.015	0.14	0.1	0.02	6.3	0.1	<0.05	7	<0.5	<0.2
22900 90150	Soil	20	53	1.24	267	0.207	<1	2.30	0.012	0.27	0.1	0.02	6.6	0.2	<0.05	9	<0.5	<0.2
22900 90200	Soil	14	30	0.72	207	0.154	1	1.71	0.014	0.26	0.1	0.04	5.7	0.2	<0.05	8	<0.5	<0.2
22900 90250	Soil	13	22	0.80	233	0.202	<1	1.77	0.010	0.46	0.1	0.02	6.7	0.3	<0.05	8	<0.5	<0.2
22900 90400	Soil	14	31	1.13	233	0.137	1	2.01	0.020	0.39	<0.1	0.02	7.9	0.2	<0.05	8	<0.5	<0.2
22900 90450	Soil	13	25	0.84	154	0.127	1	1.83	0.013	0.22	0.1	0.02	6.3	0.2	<0.05	7	<0.5	<0.2
22900 90500	Soil	16	29	0.73	344	0.073	<1	2.09	0.019	0.08	<0.1	0.02	5.3	<0.1	<0.05	7	<0.5	<0.2
22900 90550	Soil	4	24	1.29	233	0.142	2	2.22	0.028	0.26	<0.1	<0.01	3.5	<0.1	<0.05	11	<0.5	<0.2
22900 90600	Soil	7	25	0.89	227	0.088	2	1.89	0.019	0.05	<0.1	0.01	4.0	<0.1	<0.05	9	<0.5	<0.2
22900 90650	Soil	9	27	0.96	301	0.125	2	2.11	0.024	0.12	<0.1	0.02	4.4	<0.1	<0.05	8	<0.5	<0.2
22900 90700	Soil	7	23	1.11	209	0.175	1	2.38	0.025	0.19	0.1	0.01	3.2	0.1	<0.05	11	0.5	<0.2
22900 90750	Soil	9	23	1.02	278	0.110	2	2.44	0.022	0.13	<0.1	<0.01	4.0	<0.1	<0.05	10	<0.5	<0.2
22900 90800	Soil	9	20	0.91	213	0.130	2	2.27	0.019	0.23	0.1	<0.01	3.1	0.1	<0.05	8	<0.5	<0.2
22800 88450	Soil	31	18	0.34	252	0.081	<1	1.48	0.060	0.14	<0.1	<0.01	2.5	0.1	0.24	6	0.6	<0.2
22800 88500	Soil	27	25	0.79	612	0.026	<1	1.52	0.020	0.12	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
22800 88550	Soil	10	53	0.91	263	0.091	2	1.82	0.022	0.09	0.1	0.02	5.9	<0.1	<0.05	6	<0.5	<0.2
22800 88600	Soil	3	15	0.90	245	0.183	2	2.26	0.012	0.34	<0.1	0.01	2.7	<0.1	<0.05	8	0.8	<0.2
22800 88650	Soil	7	26	0.96	217	0.142	2	2.00	0.028	0.23	0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
22800 88700	Soil	6	25	1.01	624	0.206	2	2.35	0.031	0.51	0.1	0.02	3.7	0.1	<0.05	8	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
22800 88750	Soil	0.7	29.1	7.1	71	<0.1	46.5	14.0	545	3.21	5.7	0.9	5.0	5.6	44	0.1	0.3	0.1	70	0.58
22800 88800	Soil	0.7	20.4	9.3	73	<0.1	16.0	11.1	331	3.40	4.9	0.5	3.9	3.0	29	<0.1	0.3	0.1	87	0.33
22800 88900	Soil	0.9	20.7	8.5	60	<0.1	16.3	10.0	475	2.76	6.5	1.0	3.3	4.0	26	<0.1	0.3	0.2	66	0.31
22800 88950	Soil	0.8	19.9	8.4	45	<0.1	14.4	7.0	247	2.39	6.9	0.6	2.3	3.3	22	0.1	0.4	0.2	60	0.26
22800 89000	Soil	0.8	27.7	5.4	119	<0.1	17.2	21.8	927	4.82	4.1	0.9	2.8	4.3	20	0.1	0.3	0.1	116	0.58
22800 89200	Soil	1.1	20.7	7.0	78	0.1	16.2	11.6	575	2.99	4.5	0.8	1.4	2.8	21	0.1	0.2	<0.1	64	0.38
22800 89250	Soil	2.3	20.4	11.7	76	0.1	18.9	12.9	533	3.47	6.0	0.6	10.7	3.4	20	0.1	0.3	0.1	74	0.36
22800 89300	Soil	2.1	20.4	10.5	67	0.1	16.4	10.2	395	3.09	5.1	0.7	8.6	3.7	18	0.1	0.3	0.1	60	0.24
22800 89350	Soil	2.0	31.3	10.9	68	0.2	17.1	13.2	525	3.57	5.5	1.0	3.3	2.8	25	0.1	0.2	0.1	75	0.40
22800 89400	Soil	2.1	32.2	10.9	83	0.2	14.5	14.4	699	3.87	5.7	0.8	2.0	2.6	24	0.2	0.2	0.1	91	0.47
22800 89450	Soil	3.4	50.9	8.8	74	0.2	26.1	17.4	467	4.80	5.5	0.7	1.4	1.9	22	<0.1	0.2	<0.1	112	0.37
22800 89500	Soil	2.6	40.9	11.6	94	0.1	12.9	13.8	669	6.13	7.0	0.4	0.9	1.2	21	0.1	0.2	<0.1	132	0.22
22800 89550	Soil	2.1	35.9	11.4	73	0.2	9.6	10.4	835	5.54	8.4	1.1	<0.5	2.3	54	0.1	0.2	0.3	133	0.13
22800 89600	Soil	1.1	83.5	5.7	91	<0.1	16.6	22.7	584	6.08	6.0	1.0	2.0	2.6	34	<0.1	0.2	<0.1	133	0.39
22800 89650	Soil	1.2	27.7	9.5	63	0.1	15.6	12.3	391	3.39	5.9	0.7	1.3	3.0	16	0.1	0.3	0.2	93	0.20
22800 89750	Soil	6.1	31.3	9.8	106	0.2	9.1	10.6	642	4.49	10.1	1.5	2.0	8.1	38	0.2	0.3	0.8	88	0.25
22800 89850	Soil	1.3	16.4	4.1	107	<0.1	17.4	22.1	639	4.71	1.6	0.7	1.1	3.4	12	0.1	0.1	<0.1	126	0.54
22800 89900	Soil	3.9	26.1	5.5	142	<0.1	12.0	18.1	1115	6.64	4.0	0.8	<0.5	4.7	10	<0.1	0.2	0.2	131	0.25
22800 89950	Soil	5.4	8.9	6.5	118	<0.1	12.4	9.2	1322	5.70	4.6	0.7	0.8	3.7	11	<0.1	0.1	0.3	115	0.22
22800 90050	Soil	4.7	21.8	3.9	107	0.2	7.2	12.3	1186	5.28	3.3	0.7	2.3	4.2	35	<0.1	0.2	0.2	106	0.30
22800 90100	Soil	3.9	15.8	8.9	107	0.2	18.5	14.9	1102	4.99	2.8	0.5	1.0	2.6	19	<0.1	0.1	0.2	128	0.32
22800 90150	Soil	2.0	11.7	5.5	101	0.1	9.0	9.4	789	4.73	6.7	0.5	2.6	2.7	14	<0.1	0.2	0.1	111	0.21
22800 90200	Soil	2.8	16.0	3.2	128	<0.1	10.2	18.0	1189	5.25	3.2	0.4	1.1	2.2	10	<0.1	0.2	0.1	112	0.30
22800 90250	Soil	3.4	19.4	6.0	88	0.1	8.5	11.2	743	3.86	4.4	0.7	1.6	2.4	15	<0.1	0.2	0.1	85	0.30
22800 90300	Soil	1.3	19.9	5.1	120	<0.1	6.7	11.0	1196	4.76	3.7	0.5	1.2	3.0	12	<0.1	0.2	0.2	57	0.31
22800 90350	Soil	1.3	18.2	5.1	110	<0.1	9.1	11.8	1055	4.45	3.3	0.5	1.5	3.5	13	<0.1	0.2	0.2	100	0.29
22800 90400	Soil	0.8	21.4	4.6	91	<0.1	38.1	11.6	611	4.26	4.0	0.6	6.2	4.8	22	<0.1	0.2	0.1	82	0.26
22800 90550	Soil	0.6	14.1	8.4	64	<0.1	17.8	8.4	522	2.87	5.9	0.5	3.1	3.0	25	0.1	0.3	0.1	60	0.32
22800 90700	Soil	1.0	7.7	9.1	69	<0.1	12.6	9.5	525	3.06	4.6	0.5	1.2	1.4	60	<0.1	0.2	<0.1	76	0.63
22600 88650	Soil	0.9	30.7	8.7	75	0.1	33.0	12.7	427	3.30	4.9	1.4	3.2	4.9	43	<0.1	0.2	0.1	62	0.68



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22800 88750	Soil	26	75	1.27	487	0.132	2	1.91	0.016	0.16	0.1	0.01	5.7	0.1	<0.05	7	<0.5	<0.2
22800 88800	Soil	12	29	1.15	281	0.137	2	1.81	0.015	0.11	<0.1	<0.01	6.0	0.1	<0.05	8	<0.5	<0.2
22800 88900	Soil	18	33	0.70	391	0.107	1	1.55	0.024	0.07	0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
22800 88950	Soil	11	29	0.53	191	0.090	1	1.47	0.022	0.06	0.1	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
22800 89000	Soil	30	26	1.78	417	0.119	1	2.78	0.026	0.31	<0.1	<0.01	12.0	0.2	<0.05	11	<0.5	<0.2
22800 89200	Soil	13	32	1.01	278	0.138	1	1.73	0.017	0.15	<0.1	0.01	6.5	0.1	<0.05	7	<0.5	<0.2
22800 89250	Soil	12	39	0.95	226	0.139	1	1.76	0.021	0.16	<0.1	0.01	6.3	0.1	<0.05	7	<0.5	<0.2
22800 89300	Soil	13	32	0.76	261	0.137	1	1.73	0.020	0.12	0.1	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
22800 89350	Soil	10	36	0.99	325	0.174	1	1.90	0.021	0.25	0.1	<0.01	5.3	0.2	<0.05	7	<0.5	<0.2
22800 89400	Soil	11	33	1.23	439	0.159	2	2.40	0.021	0.30	<0.1	0.02	6.6	0.2	<0.05	8	<0.5	<0.2
22800 89450	Soil	9	61	1.43	391	0.246	1	2.52	0.028	0.69	0.1	0.01	4.9	0.3	0.08	9	<0.5	<0.2
22800 89500	Soil	4	25	1.27	296	0.272	<1	2.99	0.031	0.66	0.1	0.01	5.4	0.3	0.07	11	<0.5	<0.2
22800 89550	Soil	15	37	1.05	329	0.243	1	1.81	0.072	0.44	<0.1	<0.01	6.3	0.2	0.54	9	<0.5	<0.2
22800 89600	Soil	19	40	1.62	540	0.250	<1	2.62	0.035	0.88	<0.1	<0.01	7.7	0.5	0.20	9	<0.5	<0.2
22800 89650	Soil	10	36	1.19	212	0.144	2	2.19	0.017	0.24	<0.1	0.01	4.6	0.2	<0.05	7	<0.5	<0.2
22800 89750	Soil	35	34	1.14	382	0.244	1	2.28	0.052	1.05	0.1	0.01	9.2	0.8	0.33	8	<0.5	<0.2
22800 89850	Soil	13	41	2.18	321	0.263	<1	2.97	0.021	1.12	0.1	<0.01	8.2	0.4	<0.05	11	<0.5	<0.2
22800 89900	Soil	13	24	1.83	338	0.425	<1	3.67	0.011	1.59	0.1	<0.01	20.8	0.8	<0.05	14	<0.5	<0.2
22800 89950	Soil	13	30	1.57	220	0.354	<1	2.69	0.022	1.22	<0.1	<0.01	15.3	1.0	<0.05	14	<0.5	<0.2
22800 90050	Soil	25	24	1.56	265	0.322	<1	2.74	0.013	1.50	0.2	<0.01	12.2	1.2	0.12	12	<0.5	<0.2
22800 90100	Soil	14	49	2.05	330	0.351	<1	2.95	0.015	1.15	<0.1	<0.01	13.8	0.8	0.05	13	<0.5	<0.2
22800 90150	Soil	10	27	1.44	227	0.299	1	2.57	0.016	0.98	0.1	0.01	11.6	0.4	<0.05	12	<0.5	<0.2
22800 90200	Soil	13	38	1.68	287	0.284	<1	2.65	0.022	1.30	0.3	<0.01	10.7	0.8	<0.05	11	<0.5	<0.2
22800 90250	Soil	16	27	1.19	305	0.240	1	2.07	0.016	0.78	0.1	0.01	9.2	0.3	<0.05	10	<0.5	<0.2
22800 90300	Soil	14	16	0.97	265	0.189	1	2.08	0.011	0.61	0.1	0.01	10.0	0.3	<0.05	10	<0.5	<0.2
22800 90350	Soil	12	21	1.48	282	0.254	1	2.58	0.013	0.95	0.2	0.02	8.6	0.6	<0.05	10	<0.5	<0.2
22800 90400	Soil	18	55	1.25	244	0.122	2	2.23	0.015	0.33	<0.1	<0.01	7.0	0.1	<0.05	9	<0.5	<0.2
22800 90550	Soil	16	25	0.65	476	0.048	<1	1.88	0.013	0.07	<0.1	0.02	3.2	<0.1	<0.05	6	0.6	<0.2
22800 90700	Soil	7	24	0.89	335	0.131	1	1.88	0.020	0.26	0.1	0.02	2.7	0.1	<0.05	8	<0.5	<0.2
22600 88650	Soil	17	55	1.11	398	0.123	<1	1.90	0.016	0.19	0.1	0.01	4.1	0.1	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
22600 88700	Soil	0.7	21.4	7.5	76	<0.1	18.6	11.9	389	3.02	6.1	0.6	2.3	2.8	33	<0.1	0.3	0.1	61	0.43	0.088
22600 88750	Soil	1.0	23.3	8.1	60	0.1	15.1	10.3	402	2.85	5.9	0.6	2.0	2.1	27	<0.1	0.3	0.1	63	0.36	0.046
22600 88800	Soil	1.0	22.8	6.7	61	0.1	12.1	10.7	312	3.22	5.7	0.5	2.1	2.0	21	<0.1	0.2	0.1	76	0.31	0.049
22600 88850	Soil	1.1	21.3	6.4	68	0.1	12.0	11.0	385	3.34	5.5	0.6	1.9	2.4	24	<0.1	0.2	0.1	75	0.40	0.072
22600 88900	Soil	1.7	25.1	7.2	78	<0.1	43.3	16.0	699	4.62	25.8	0.5	10.4	2.9	26	0.1	0.3	0.1	86	0.55	0.116
22600 88950	Soil	1.2	21.8	7.8	77	0.1	12.9	11.5	417	3.64	11.0	0.5	4.6	1.8	21	0.1	0.3	0.1	86	0.33	0.058
22600 89100	Soil	1.2	31.8	8.6	76	0.1	96.3	20.7	680	3.76	2.8	1.3	1.1	4.9	115	0.1	0.2	<0.1	84	1.20	0.260
22600 89150	Soil	0.9	20.8	3.0	94	0.1	10.6	15.7	696	4.26	2.7	0.3	512.4	1.2	35	0.1	<0.1	<0.1	91	0.78	0.146
22600 89200	Soil	1.1	36.5	8.0	98	0.3	20.7	15.7	720	4.32	7.0	1.2	3.4	3.2	38	0.1	0.2	0.2	80	0.85	0.123
22600 89250	Soil	1.7	28.8	14.5	95	0.2	19.4	11.5	770	3.13	5.3	1.0	53.4	3.8	32	0.3	0.3	0.1	61	0.53	0.103
22600 89300	Soil	1.5	62.4	7.5	111	0.5	23.3	15.6	902	3.06	4.9	1.5	3.9	2.9	62	0.4	0.3	0.1	69	1.32	0.133
22600 89350	Soil	1.2	30.1	8.7	106	<0.1	14.9	10.8	677	3.51	5.8	0.5	0.6	3.3	21	0.3	0.3	0.1	63	0.43	0.077
22600 89400	Soil	1.2	54.2	9.0	132	<0.1	25.1	15.3	958	4.31	5.8	0.6	21.0	3.6	44	<0.1	0.4	0.1	86	0.80	0.103
22600 89450	Soil	0.7	38.5	12.6	105	<0.1	21.4	16.1	611	4.14	5.9	0.4	<0.5	2.8	19	0.2	0.3	<0.1	103	0.49	0.118
22600 89600	Soil	0.5	8.4	3.6	75	<0.1	8.1	7.5	432	1.76	4.9	0.3	<0.5	2.2	10	0.1	0.2	<0.1	40	0.21	0.077
22600 89700	Soil	1.0	28.4	5.6	96	<0.1	15.5	13.2	733	2.58	4.4	0.4	1.5	3.0	16	<0.1	0.2	0.1	61	0.34	0.073
22600 90050	Soil	0.3	45.0	3.9	137	<0.1	34.3	35.9	643	6.00	2.3	0.5	<0.5	2.2	18	<0.1	0.1	<0.1	189	0.58	0.165
22600 90100	Soil	1.5	52.0	9.6	89	<0.1	24.0	13.7	547	5.06	8.3	0.6	2.4	4.9	15	0.2	0.4	0.1	108	0.15	0.050
22600 90150	Soil	0.5	54.3	9.2	102	<0.1	41.2	23.1	556	4.43	2.5	0.5	2.7	2.2	15	0.3	0.1	0.2	153	0.54	0.195
22600 90250	Soil	0.6	84.5	17.3	142	0.1	69.3	33.4	1010	6.35	1.9	0.4	5.6	1.8	20	<0.1	<0.1	<0.1	213	0.65	0.192
22600 90300	Soil	0.5	14.1	5.4	137	<0.1	52.6	27.5	768	5.10	2.1	0.4	2.0	1.5	19	<0.1	<0.1	<0.1	126	0.56	0.153
22600 90350	Soil	0.6	43.7	5.0	87	<0.1	55.7	20.3	668	4.40	1.6	0.3	3.5	1.5	22	0.1	0.1	<0.1	102	0.51	0.092
22600 90400	Soil	0.5	41.0	4.4	85	0.1	38.0	17.4	582	3.77	3.0	0.5	5.4	1.9	23	0.1	0.2	<0.1	93	0.58	0.141
22600 90450	Soil	1.3	28.7	18.7	145	<0.1	18.1	16.5	1320	4.46	3.3	0.6	1.7	2.5	21	0.3	0.2	0.1	101	0.37	0.145
22600 90550	Soil	0.3	3.3	6.4	84	<0.1	4.8	8.3	1057	2.94	1.7	0.3	1.0	4.9	52	<0.1	0.3	<0.1	52	0.91	0.152
22600 90600	Soil	0.4	6.0	5.7	97	<0.1	12.2	12.4	618	3.86	4.6	1.0	0.6	6.5	47	<0.1	0.1	<0.1	93	0.69	0.156
22600 90650	Soil	0.3	2.6	3.5	103	<0.1	11.4	12.6	845	3.53	1.3	0.6	<0.5	4.6	65	<0.1	<0.1	<0.1	83	0.82	0.249
22600 90700	Soil	0.8	3.8	6.3	95	<0.1	13.6	13.4	884	3.67	3.4	0.4	<0.5	3.3	52	<0.1	0.1	<0.1	89	0.61	0.174
22600 90750	Soil	0.8	6.0	6.9	74	<0.1	11.0	9.3	511	2.99	4.8	0.4	2.8	2.2	49	<0.1	0.2	<0.1	72	0.50	0.102
22600 90800	Soil	0.6	8.2	9.9	79	<0.1	12.4	9.0	442	2.78	4.2	0.6	2.7	3.5	45	0.1	0.2	<0.1	64	0.60	0.123



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22600 88700	Soil	10	32	0.99	327	0.126	2	1.88	0.016	0.30	0.1	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
22600 88750	Soil	9	31	0.76	311	0.124	1	1.72	0.014	0.12	<0.1	0.02	2.5	<0.1	<0.05	5	0.7	<0.2
22600 88800	Soil	7	28	0.84	229	0.165	<1	1.94	0.020	0.21	0.1	0.01	2.6	0.1	<0.05	6	<0.5	<0.2
22600 88850	Soil	9	22	0.91	258	0.165	2	1.87	0.016	0.26	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
22600 88900	Soil	12	42	1.31	319	0.188	2	2.58	0.013	0.50	<0.1	0.03	4.4	0.2	<0.05	7	<0.5	<0.2
22600 88950	Soil	7	22	1.03	267	0.190	1	2.29	0.014	0.36	0.1	<0.01	2.9	0.2	<0.05	7	<0.5	<0.2
22600 89100	Soil	30	120	2.14	668	0.209	1	2.32	0.022	0.27	<0.1	0.03	5.8	0.3	<0.05	8	<0.5	<0.2
22600 89150	Soil	6	14	1.41	420	0.300	<1	2.43	0.018	0.94	<0.1	<0.01	2.3	0.4	<0.05	6	<0.5	<0.2
22600 89200	Soil	21	30	1.01	419	0.110	<1	2.41	0.016	0.26	<0.1	0.04	6.3	0.1	<0.05	8	<0.5	<0.2
22600 89250	Soil	15	30	0.76	390	0.115	1	1.87	0.018	0.18	<0.1	0.01	5.3	0.1	<0.05	6	0.6	<0.2
22600 89300	Soil	26	36	1.19	611	0.127	3	1.95	0.021	0.30	<0.1	0.03	9.0	0.1	<0.05	7	0.7	<0.2
22600 89350	Soil	10	20	1.04	264	0.149	4	1.96	0.019	0.42	<0.1	<0.01	5.4	0.1	<0.05	7	0.6	<0.2
22600 89400	Soil	34	36	1.84	449	0.136	2	2.61	0.019	0.24	0.1	<0.01	11.5	0.1	<0.05	10	0.7	<0.2
22600 89450	Soil	10	31	1.32	331	0.228	2	2.54	0.028	0.70	<0.1	<0.01	5.0	0.2	<0.05	9	0.6	<0.2
22600 89600	Soil	10	13	0.74	114	0.108	1	1.17	0.009	0.11	<0.1	<0.01	6.1	<0.1	<0.05	6	0.8	<0.2
22600 89700	Soil	13	26	1.24	213	0.166	<1	1.92	0.014	0.33	0.1	<0.01	8.4	0.2	<0.05	8	<0.5	<0.2
22600 90050	Soil	12	97	4.67	643	0.306	1	4.73	0.042	1.49	0.1	<0.01	11.0	0.6	<0.05	14	<0.5	<0.2
22600 90100	Soil	16	49	1.20	254	0.247	2	2.97	0.019	0.50	<0.1	<0.01	6.1	0.2	<0.05	9	0.9	<0.2
22600 90150	Soil	11	127	3.00	450	0.334	1	3.20	0.038	1.14	<0.1	<0.01	5.7	0.5	<0.05	12	<0.5	<0.2
22600 90250	Soil	14	224	5.05	758	0.363	1	4.97	0.030	1.73	<0.1	<0.01	11.6	0.5	<0.05	14	<0.5	0.3
22600 90300	Soil	10	137	3.93	610	0.281	1	3.92	0.040	1.20	<0.1	<0.01	9.2	0.4	<0.05	13	<0.5	<0.2
22600 90350	Soil	11	132	2.09	314	0.213	<1	3.15	0.027	0.70	<0.1	<0.01	6.8	0.3	<0.05	9	<0.5	<0.2
22600 90400	Soil	12	93	1.67	237	0.112	2	2.36	0.032	0.21	0.1	0.01	8.0	<0.1	<0.05	8	<0.5	<0.2
22600 90450	Soil	11	39	1.09	161	0.066	1	2.47	0.014	0.10	0.1	<0.01	7.9	<0.1	<0.05	10	<0.5	<0.2
22600 90550	Soil	24	6	0.74	929	0.008	<1	1.91	0.010	0.10	<0.1	<0.01	5.2	<0.1	<0.05	8	<0.5	<0.2
22600 90600	Soil	31	22	1.32	188	0.237	1	2.45	0.025	0.38	<0.1	<0.01	3.2	0.2	<0.05	10	0.6	<0.2
22600 90650	Soil	19	16	1.53	290	0.215	<1	2.60	0.018	0.67	<0.1	<0.01	2.5	0.2	<0.05	10	<0.5	0.4
22600 90700	Soil	10	21	1.23	196	0.200	<1	2.92	0.018	0.41	<0.1	<0.01	2.6	0.2	<0.05	11	<0.5	<0.2
22600 90750	Soil	10	21	0.78	205	0.136	1	2.21	0.018	0.14	0.1	0.01	2.5	<0.1	<0.05	9	0.7	0.2
22600 90800	Soil	14	21	0.77	183	0.117	1	1.80	0.025	0.14	0.2	<0.01	2.7	<0.1	<0.05	7	0.8	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
22700 88450	Soil	1.2	24.3	100.7	361	0.1	79.7	17.5	606	3.65	11.6	1.0	4.0	11.1	54	0.8	0.1	0.2	59	0.57	0.171
22700 88500	Soil	1.9	8.9	8.6	106	<0.1	12.5	14.1	912	5.31	3.0	0.6	2.0	2.8	15	0.2	0.2	0.1	55	0.42	0.059
22700 88550	Soil	0.7	41.4	5.4	87	<0.1	9.1	15.3	561	3.79	4.3	0.4	2.3	2.6	12	<0.1	0.2	0.1	83	0.30	0.083
22700 88600	Soil	1.2	19.3	4.5	84	<0.1	13.5	11.0	534	3.25	3.6	0.3	3.1	1.6	15	<0.1	0.1	<0.1	57	0.24	0.040
22700 88650	Soil	1.0	22.6	5.7	65	<0.1	25.1	16.4	382	3.83	5.9	0.3	305.3	1.5	13	<0.1	0.3	0.1	82	0.22	0.032
22700 88700	Soil	1.3	38.2	10.2	77	<0.1	21.1	12.8	383	3.28	8.0	0.6	4.5	3.2	26	0.2	0.1	0.1	72	0.50	0.161
22700 88750	Soil	0.9	21.7	3.8	80	<0.1	8.7	12.3	494	3.72	3.5	0.4	1.8	1.4	14	<0.1	<0.1	<0.1	93	0.25	0.066
22700 88900	Soil	0.9	13.9	5.4	65	<0.1	11.5	10.3	354	2.96	5.3	0.5	2.0	2.3	13	<0.1	0.2	<0.1	62	0.23	0.048
22700 89000	Soil	1.1	20.0	3.9	84	<0.1	6.1	15.6	535	4.16	8.2	0.3	2.1	1.2	14	<0.1	<0.1	<0.1	91	0.48	0.101
22700 89050	Soil	0.7	23.9	4.5	72	0.1	44.1	16.5	534	3.43	2.6	1.2	2.6	3.7	45	<0.1	0.1	<0.1	78	0.63	0.172
22700 89100	Soil	0.6	15.9	3.9	73	<0.1	29.5	15.7	509	3.34	2.6	0.5	<0.5	2.6	27	<0.1	0.1	<0.1	81	0.49	0.116
22700 89150	Soil	0.6	16.8	2.8	88	<0.1	13.9	16.5	528	3.27	1.6	0.4	<0.5	2.1	13	<0.1	<0.1	<0.1	91	0.35	0.088
22700 89200	Soil	1.1	19.4	11.7	79	0.1	16.4	10.1	456	2.89	3.3	0.5	1.8	1.9	16	0.2	0.1	<0.1	68	0.39	0.070
22700 89250	Soil	1.8	24.0	16.4	72	0.2	16.3	11.4	413	3.03	4.5	0.8	8.1	2.8	15	0.2	0.2	<0.1	63	0.32	0.061
22700 89300	Soil	1.2	19.9	6.9	66	0.2	14.8	11.1	462	2.57	4.7	0.6	2.6	2.5	16	0.1	0.1	<0.1	59	0.32	0.059
22700 89350	Soil	1.1	13.1	3.4	84	0.2	15.4	14.8	732	2.28	4.2	0.4	1.3	2.0	12	<0.1	<0.1	<0.1	56	0.36	0.081
22700 89400	Soil	0.8	14.1	4.5	87	0.2	13.3	10.1	1081	2.08	5.2	0.3	1.5	2.0	20	<0.1	0.2	<0.1	49	0.50	0.056
22700 89450	Soil	0.2	7.3	1.2	98	<0.1	8.6	11.9	663	1.57	7.6	0.2	<0.5	2.8	9	<0.1	0.1	<0.1	32	0.20	0.036
22700 89500	Soil	0.3	4.3	2.3	67	<0.1	7.8	8.7	449	1.69	3.6	0.1	<0.5	1.9	4	<0.1	0.2	<0.1	40	0.07	0.028
22700 89550	Soil	0.4	11.9	3.2	70	<0.1	35.1	17.5	380	2.83	2.9	0.2	4.8	1.3	12	<0.1	<0.1	<0.1	83	0.25	0.054
22700 89600	Soil	1.3	37.5	5.6	49	<0.1	30.4	14.1	275	2.60	4.6	0.3	2.9	1.5	12	<0.1	0.1	<0.1	68	0.27	0.046
22700 89750	Soil	4.3	33.6	5.4	35	0.3	21.0	7.7	133	1.95	2.2	0.5	1.5	0.4	17	<0.1	<0.1	<0.1	53	0.19	0.046
22700 89900	Soil	2.1	17.4	6.4	57	0.2	23.2	9.9	327	2.91	4.9	0.4	<0.5	1.7	14	<0.1	0.1	<0.1	70	0.24	0.052
22700 89950	Soil	7.5	60.1	5.6	45	<0.1	65.8	22.6	355	3.61	1.6	0.2	0.6	0.7	7	<0.1	<0.1	<0.1	101	0.20	0.045
22700 90000	Soil	1.8	24.4	6.9	70	0.1	26.5	12.2	422	3.01	4.5	0.3	1.1	1.8	10	<0.1	0.1	<0.1	68	0.15	0.056
22700 90050	Soil	0.8	66.7	10.7	153	<0.1	121.8	28.6	831	4.46	1.7	0.9	<0.5	5.9	58	<0.1	0.1	<0.1	136	0.70	0.185
22700 90100	Soil	1.0	34.3	9.7	46	<0.1	35.4	12.1	244	2.44	5.9	0.4	1.7	2.2	15	<0.1	0.3	0.1	65	0.22	0.050
22700 90150	Soil	1.0	53.3	11.3	46	0.2	32.2	11.5	246	2.49	5.8	0.6	4.1	2.3	19	<0.1	0.2	0.2	65	0.25	0.046
22700 90250	Soil	0.5	25.5	4.8	48	0.2	20.9	9.1	517	1.90	1.7	0.2	4.6	0.8	11	<0.1	<0.1	<0.1	58	0.30	0.053
22700 90300	Soil	0.1	71.4	3.5	100	<0.1	29.7	20.3	680	3.53	<0.5	0.4	4.4	3.3	12	<0.1	<0.1	<0.1	78	0.70	0.234



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22700 88450	Soil	51	149	1.47	580	0.008	1	2.01	0.009	0.11	<0.1	0.02	4.3	<0.1	<0.05	8	0.6	<0.2
22700 88500	Soil	11	17	0.39	424	0.011	2	1.29	0.009	0.24	<0.1	0.01	9.0	<0.1	<0.05	5	<0.5	<0.2
22700 88550	Soil	9	12	1.27	231	0.044	1	2.26	0.008	0.18	<0.1	0.01	6.1	<0.1	<0.05	9	<0.5	<0.2
22700 88600	Soil	4	30	1.23	259	0.183	<1	2.18	0.007	0.70	<0.1	<0.01	1.2	0.3	<0.05	7	<0.5	<0.2
22700 88650	Soil	5	76	1.16	178	0.153	1	2.10	0.010	0.36	0.2	0.01	4.1	0.2	<0.05	6	<0.5	<0.2
22700 88700	Soil	12	35	1.00	300	0.113	<1	1.77	0.013	0.46	<0.1	<0.01	2.9	0.2	<0.05	5	<0.5	<0.2
22700 88750	Soil	7	16	1.13	319	0.300	<1	2.18	0.007	0.89	0.1	<0.01	2.0	0.3	<0.05	6	<0.5	<0.2
22700 88900	Soil	8	22	0.73	170	0.110	<1	1.74	0.007	0.14	<0.1	0.01	2.3	0.1	<0.05	6	<0.5	<0.2
22700 89000	Soil	5	8	1.42	295	0.277	<1	2.46	0.007	0.81	<0.1	0.01	2.5	0.4	<0.05	6	<0.5	<0.2
22700 89050	Soil	26	60	1.49	429	0.130	<1	1.95	0.013	0.27	<0.1	0.03	6.0	0.2	<0.05	7	<0.5	<0.2
22700 89100	Soil	12	41	1.45	237	0.137	<1	1.88	0.010	0.31	<0.1	<0.01	4.8	0.2	<0.05	7	<0.5	<0.2
22700 89150	Soil	9	26	1.53	249	0.109	<1	1.83	0.008	0.29	<0.1	<0.01	6.4	0.1	<0.05	8	<0.5	<0.2
22700 89200	Soil	10	33	0.79	246	0.084	<1	1.45	0.013	0.12	<0.1	0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
22700 89250	Soil	13	30	0.77	238	0.098	<1	1.73	0.010	0.14	<0.1	0.02	4.5	0.1	<0.05	6	<0.5	<0.2
22700 89300	Soil	11	30	0.85	210	0.104	<1	1.55	0.011	0.13	<0.1	0.01	3.8	0.1	<0.05	6	<0.5	<0.2
22700 89350	Soil	9	33	1.27	170	0.105	<1	1.54	0.012	0.22	<0.1	<0.01	6.4	0.1	<0.05	6	<0.5	<0.2
22700 89400	Soil	10	21	0.81	230	0.099	1	1.32	0.010	0.30	<0.1	<0.01	4.9	0.1	<0.05	6	<0.5	<0.2
22700 89450	Soil	9	11	1.02	103	0.096	<1	1.26	0.004	0.16	<0.1	<0.01	6.8	0.1	<0.05	5	<0.5	<0.2
22700 89500	Soil	7	13	0.73	102	0.075	<1	1.14	0.004	0.05	<0.1	<0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
22700 89550	Soil	7	85	2.19	149	0.134	<1	2.27	0.009	0.23	<0.1	<0.01	4.8	0.1	<0.05	8	<0.5	<0.2
22700 89600	Soil	7	59	1.10	171	0.111	<1	1.94	0.013	0.11	<0.1	<0.01	2.5	0.1	<0.05	6	<0.5	<0.2
22700 89750	Soil	7	47	0.67	156	0.084	<1	1.32	0.029	0.16	<0.1	0.02	2.1	0.1	0.14	5	<0.5	<0.2
22700 89900	Soil	8	49	0.93	152	0.120	<1	1.82	0.012	0.12	<0.1	0.01	3.2	0.1	<0.05	6	<0.5	<0.2
22700 89950	Soil	4	138	1.98	98	0.144	<1	2.59	0.023	0.23	<0.1	<0.01	3.1	0.1	<0.05	7	<0.5	<0.2
22700 90000	Soil	8	62	0.90	135	0.106	<1	1.76	0.010	0.14	<0.1	0.01	3.3	0.1	<0.05	7	<0.5	<0.2
22700 90050	Soil	28	276	3.10	798	0.289	<1	2.98	0.019	1.09	<0.1	<0.01	6.1	0.8	<0.05	9	<0.5	<0.2
22700 90100	Soil	7	60	0.84	140	0.115	2	1.81	0.013	0.06	0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
22700 90150	Soil	9	65	0.75	214	0.102	2	2.10	0.014	0.05	<0.1	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
22700 90250	Soil	5	57	0.84	122	0.108	<1	1.34	0.019	0.13	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
22700 90300	Soil	13	73	2.07	263	0.114	<1	2.11	0.021	0.38	<0.1	<0.01	5.5	0.2	<0.05	9	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22700 90350	Soil	0.3	16.7	1.9	85	<0.1	5.6	6.8	743	3.79	1.5	0.5	10.7	2.9	10	<0.1	<0.1	<0.1	71	0.34	0.125
22700 90400	Soil	0.4	14.1	4.4	55	<0.1	8.6	7.9	361	2.91	2.7	0.3	3.5	1.5	9	<0.1	<0.1	<0.1	78	0.19	0.074
22700 90450	Soil	1.6	13.8	7.6	62	0.1	8.8	10.8	1290	2.74	4.9	0.6	4.9	1.8	13	<0.1	0.2	0.1	58	0.13	0.084
22700 90500	Soil	0.5	11.8	6.7	51	<0.1	15.4	8.7	435	2.50	5.8	1.0	2.4	3.8	24	<0.1	0.2	<0.1	51	0.32	0.047
22700 90550	Soil	0.8	7.1	6.6	71	<0.1	10.5	8.4	501	3.30	7.0	0.2	0.7	0.9	18	<0.1	0.2	<0.1	68	0.25	0.110
22700 90600	Soil	0.2	3.9	4.1	80	<0.1	7.7	11.3	639	3.46	3.4	0.4	0.6	1.9	56	<0.1	<0.1	<0.1	75	0.71	0.163
22700 90650	Soil	0.5	7.1	6.1	88	<0.1	10.8	11.3	793	3.13	5.7	0.5	1.1	2.2	49	<0.1	0.2	<0.1	61	0.52	0.153
22700 90700	Soil	0.5	5.7	6.5	91	<0.1	7.3	9.2	750	2.73	4.1	0.4	1.2	2.6	42	<0.1	0.1	<0.1	58	0.53	0.166
22700 90750	Soil	0.6	8.7	7.8	71	<0.1	9.2	8.3	492	2.50	5.0	0.5	1.8	0.7	46	<0.1	0.2	0.1	57	0.38	0.091
22700 90800	Soil	0.5	8.0	6.0	92	<0.1	12.5	11.0	612	3.22	5.3	0.5	1.7	1.8	44	<0.1	0.2	<0.1	70	0.52	0.140
24300 89300	Soil	0.6	35.5	8.0	69	<0.1	24.6	20.7	638	3.70	7.1	0.4	6.2	2.6	19	0.1	0.4	0.1	72	0.24	0.048
24500 89250	Soil	0.4	19.8	3.5	163	<0.1	13.2	24.7	1151	5.04	2.9	0.4	0.7	1.9	15	0.1	0.2	<0.1	121	0.51	0.171
24500 89300	Soil	0.4	37.0	11.4	92	<0.1	8.7	12.9	908	4.23	1.9	0.7	88.8	5.1	15	<0.1	0.2	0.2	44	0.36	0.065
24600 89250	Soil	0.8	21.4	8.7	47	0.1	17.6	8.4	242	3.04	8.1	0.4	2.7	2.3	18	<0.1	0.4	0.2	66	0.23	0.025
24600 89450	Soil	1.0	26.0	30.9	125	<0.1	21.2	14.9	800	3.79	4.9	0.5	8.9	3.3	26	0.2	0.3	0.2	80	0.39	0.073
24600 89600	Soil	4.6	28.6	20.0	150	0.2	32.2	16.9	969	3.99	7.1	0.8	28.9	5.8	42	0.3	0.3	0.4	63	0.68	0.128
24600 89650	Soil	1.7	30.0	18.9	128	0.2	24.3	17.4	1128	3.36	5.3	1.1	9.3	3.5	39	0.2	0.4	0.2	61	0.65	0.105
24600 89700	Soil	2.4	25.8	17.6	143	0.2	19.8	11.3	566	2.92	6.1	0.7	7.3	4.1	31	0.5	0.3	0.3	53	0.54	0.080
24600 89750	Soil	2.2	43.8	14.2	203	0.2	14.0	9.4	437	3.00	4.0	1.1	3.7	7.4	26	0.7	0.2	0.4	47	0.39	0.088
24600 89800	Soil	4.1	82.8	17.2	246	0.2	14.2	10.1	456	3.46	5.5	1.4	6.3	8.7	22	0.8	0.2	1.0	46	0.31	0.100
24700 89250	Soil	0.7	26.6	7.4	64	0.1	47.6	14.4	514	3.64	5.6	0.5	2.0	2.4	24	<0.1	0.3	0.1	77	0.42	0.043
24700 89300	Soil	0.5	38.0	7.2	112	<0.1	13.1	21.6	535	5.58	6.4	0.5	2.4	2.0	27	<0.1	0.2	<0.1	118	0.44	0.071
24800 89300	Soil	0.6	30.9	10.4	66	0.1	21.4	11.9	443	2.98	7.5	0.6	2.6	2.5	29	0.1	0.4	0.2	70	0.40	0.074



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22700 90350	Soil	14	10	0.90	203	0.084	<1	1.89	0.007	0.57	<0.1	<0.01	6.9	0.2	<0.05	9	<0.5	<0.2
22700 90400	Soil	7	24	0.73	99	0.091	<1	1.52	0.009	0.10	<0.1	0.01	4.6	<0.1	<0.05	7	<0.5	<0.2
22700 90450	Soil	12	21	0.41	112	0.048	<1	1.46	0.007	0.11	<0.1	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
22700 90500	Soil	15	28	0.62	320	0.049	<1	1.64	0.011	0.05	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
22700 90550	Soil	5	22	0.72	119	0.077	<1	2.10	0.007	0.19	<0.1	0.01	1.8	<0.1	<0.05	8	<0.5	<0.2
22700 90600	Soil	6	13	1.20	189	0.109	<1	2.71	0.016	0.07	<0.1	<0.01	3.2	<0.1	<0.05	10	<0.5	<0.2
22700 90650	Soil	10	16	0.92	275	0.108	1	2.17	0.014	0.18	<0.1	<0.01	2.9	<0.1	<0.05	8	<0.5	<0.2
22700 90700	Soil	10	12	0.81	151	0.103	1	1.82	0.014	0.15	<0.1	0.01	2.8	<0.1	<0.05	9	<0.5	<0.2
22700 90750	Soil	10	17	0.63	163	0.070	<1	1.83	0.013	0.07	0.1	0.03	2.1	<0.1	<0.05	7	<0.5	<0.2
22700 90800	Soil	6	17	0.97	201	0.121	<1	2.33	0.014	0.18	<0.1	0.02	2.6	0.1	<0.05	9	<0.5	<0.2
24300 89300	Soil	7	36	1.05	206	0.114	<1	2.57	0.010	0.12	0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
24500 89250	Soil	7	27	1.80	352	0.190	<1	3.02	0.027	0.81	<0.1	<0.01	10.6	0.3	<0.05	11	<0.5	<0.2
24500 89300	Soil	19	11	1.08	378	0.005	<1	2.19	0.008	0.11	<0.1	0.02	6.7	<0.1	<0.05	8	<0.5	<0.2
24600 89250	Soil	8	31	0.62	154	0.062	<1	1.97	0.016	0.05	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
24600 89450	Soil	9	33	1.13	179	0.155	<1	2.20	0.013	0.15	0.2	0.02	3.4	<0.1	<0.05	7	<0.5	<0.2
24600 89600	Soil	15	44	1.04	344	0.122	<1	1.89	0.015	0.23	0.1	0.03	5.0	0.2	<0.05	7	<0.5	<0.2
24600 89650	Soil	18	34	0.90	369	0.094	<1	1.80	0.014	0.09	0.1	0.03	4.8	0.1	<0.05	7	<0.5	0.2
24600 89700	Soil	15	30	0.72	317	0.086	<1	1.73	0.015	0.11	0.1	0.02	3.6	0.1	<0.05	6	<0.5	0.2
24600 89750	Soil	19	22	0.70	281	0.099	<1	1.72	0.012	0.25	<0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
24600 89800	Soil	14	26	0.66	203	0.113	<1	1.73	0.011	0.31	<0.1	0.02	3.2	0.2	<0.05	7	<0.5	0.5
24700 89250	Soil	8	88	1.35	272	0.202	1	2.49	0.011	0.30	0.2	0.02	3.4	0.3	<0.05	7	<0.5	<0.2
24700 89300	Soil	10	21	1.70	328	0.333	<1	3.68	0.011	1.19	0.1	0.01	4.2	0.7	<0.05	11	<0.5	<0.2
24800 89300	Soil	12	30	0.77	244	0.115	2	2.13	0.015	0.08	0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2



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QUALITY CONTROL REPORT

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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
Pulp Duplicates																					
25250 89450	Soil	2.3	21.7	11.7	61	<0.1	19.8	7.0	216	2.84	7.8	0.7	4.7	7.9	28	0.1	0.5	0.2	49	0.11	0.016
REP 25250 89450	QC	2.3	21.2	12.5	57	<0.1	19.6	6.8	206	2.82	7.6	0.7	4.3	8.3	24	0.1	0.5	0.2	47	0.11	0.016
25150 89850	Soil	3.0	30.6	9.7	60	<0.1	15.6	7.3	284	2.79	6.6	0.8	16.9	5.5	23	<0.1	0.4	0.2	59	0.28	0.029
REP 25150 89850	QC	3.1	29.7	10.1	60	<0.1	14.5	6.9	278	2.74	6.8	0.9	33.3	5.6	23	<0.1	0.4	0.2	55	0.27	0.027
25650 89650	Soil	3.8	74.3	13.3	78	0.8	13.9	7.3	502	3.05	7.0	0.6	32.8	4.0	16	0.6	0.6	0.4	51	0.15	0.046
REP 25650 89650	QC	3.8	71.7	12.8	81	0.7	14.3	7.1	499	3.07	7.7	0.5	17.6	4.1	15	0.5	0.7	0.4	50	0.15	0.047
25550 89250	Soil	0.9	126.1	7.0	139	<0.1	5.7	10.7	529	4.38	1.8	0.8	3.6	5.5	20	<0.1	0.1	0.7	71	0.34	0.067
REP 25550 89250	QC	0.9	121.8	6.6	137	<0.1	5.1	10.5	526	4.30	1.7	0.8	4.6	5.5	19	<0.1	0.1	0.7	69	0.33	0.065
22900 88600	Soil	0.4	26.9	3.5	148	<0.1	9.7	22.6	1019	6.35	2.5	0.6	1.2	3.2	30	<0.1	<0.1	<0.1	128	0.83	0.252
REP 22900 88600	QC	0.5	26.2	3.5	147	<0.1	9.7	22.9	1066	6.59	2.6	0.6	0.8	3.1	32	<0.1	<0.1	<0.1	134	0.83	0.253
22900 89600	Soil	0.7	7.8	7.2	61	<0.1	9.5	9.1	515	2.40	6.5	0.4	0.7	3.6	12	<0.1	0.3	0.2	58	0.17	0.064
REP 22900 89600	QC	0.7	8.3	7.8	67	<0.1	10.2	9.9	573	2.55	7.2	0.5	<0.5	4.0	13	<0.1	0.3	0.2	62	0.17	0.073
22800 89200	Soil	1.1	20.7	7.0	78	0.1	16.2	11.6	575	2.99	4.5	0.8	1.4	2.8	21	0.1	0.2	<0.1	64	0.38	0.076
REP 22800 89200	QC	1.3	21.1	6.7	73	0.2	15.6	11.4	558	2.83	4.4	0.7	1.1	2.8	21	0.1	0.2	0.1	65	0.39	0.079
22800 89550	Soil	2.1	35.9	11.4	73	0.2	9.6	10.4	835	5.54	8.4	1.1	<0.5	2.3	54	0.1	0.2	0.3	133	0.13	0.191
REP 22800 89550	QC	2.1	35.8	10.8	69	0.2	8.9	10.3	774	5.58	8.3	1.1	1.9	2.5	55	<0.1	0.2	0.2	125	0.14	0.174
22600 88950	Soil	1.2	21.8	7.8	77	0.1	12.9	11.5	417	3.64	11.0	0.5	4.6	1.8	21	0.1	0.3	0.1	86	0.33	0.058
REP 22600 88950	QC	1.0	22.0	8.0	79	<0.1	12.4	11.4	413	3.66	11.0	0.5	3.7	1.8	21	<0.1	0.2	0.1	85	0.33	0.057
22600 90700	Soil	0.8	3.8	6.3	95	<0.1	13.6	13.4	884	3.67	3.4	0.4	<0.5	3.3	52	<0.1	0.1	<0.1	89	0.61	0.174
REP 22600 90700	QC	0.7	4.2	7.5	95	<0.1	12.4	13.8	870	3.66	3.4	0.4	<0.5	3.1	51	<0.1	0.1	<0.1	87	0.57	0.171
22700 89100	Soil	0.6	15.9	3.9	73	<0.1	29.5	15.7	509	3.34	2.6	0.5	<0.5	2.6	27	<0.1	0.1	<0.1	81	0.49	0.116
REP 22700 89100	QC	0.6	15.9	4.1	74	<0.1	29.1	16.0	516	3.36	2.8	0.5	<0.5	2.6	29	<0.1	<0.1	<0.1	81	0.49	0.117
22700 90000	Soil	1.8	24.4	6.9	70	0.1	26.5	12.2	422	3.01	4.5	0.3	1.1	1.8	10	<0.1	0.1	<0.1	68	0.15	0.056
REP 22700 90000	QC	1.9	24.5	6.9	70	0.1	27.8	12.5	442	3.04	4.4	0.3	<0.5	1.8	10	<0.1	0.2	<0.1	70	0.15	0.061
24600 89250	Soil	0.8	21.4	8.7	47	0.1	17.6	8.4	242	3.04	8.1	0.4	2.7	2.3	18	<0.1	0.4	0.2	66	0.23	0.025
REP 24600 89250	QC	0.9	21.0	8.7	52	0.1	17.5	8.2	248	2.95	8.0	0.4	1.6	2.3	17	<0.1	0.4	0.2	68	0.23	0.026
Reference Materials																					
STD DS7	Standard	21.8	114.8	68.1	414	1.0	53.7	9.2	649	2.49	55.3	4.8	78.7	4.8	83	7.2	6.6	4.8	82	0.95	0.081



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
25250 89450	Soil	12	31	0.37	232	0.038	<1	2.87	0.009	0.09	<0.1	0.01	3.4	0.1	<0.05	6	<0.5	<0.2
REP 25250 89450	QC	13	32	0.37	234	0.044	<1	2.83	0.008	0.09	<0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
25150 89850	Soil	22	27	0.49	320	0.073	<1	1.82	0.011	0.07	<0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
REP 25150 89850	QC	22	27	0.50	337	0.071	<1	1.85	0.011	0.07	0.1	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
25650 89650	Soil	13	22	0.28	211	0.020	2	1.89	0.007	0.10	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
REP 25650 89650	QC	13	23	0.29	214	0.020	2	1.95	0.007	0.10	0.1	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
25550 89250	Soil	14	7	1.01	424	0.307	<1	2.46	0.012	1.00	0.6	<0.01	2.8	0.5	<0.05	8	<0.5	<0.2
REP 25550 89250	QC	14	8	1.02	430	0.297	<1	2.44	0.010	1.03	0.6	<0.01	2.7	0.5	<0.05	8	<0.5	<0.2
22900 88600	Soil	9	24	2.17	389	0.071	<1	3.23	0.028	0.20	<0.1	<0.01	12.7	<0.1	<0.05	13	0.5	<0.2
REP 22900 88600	QC	9	25	2.09	392	0.076	1	3.24	0.024	0.21	<0.1	0.01	12.3	<0.1	<0.05	13	<0.5	<0.2
22900 89600	Soil	11	21	0.62	115	0.116	1	1.44	0.009	0.19	0.1	0.01	4.0	0.2	<0.05	7	<0.5	<0.2
REP 22900 89600	QC	11	23	0.71	124	0.126	1	1.65	0.009	0.21	0.2	0.01	4.5	0.2	<0.05	8	<0.5	<0.2
22800 89200	Soil	13	32	1.01	278	0.138	1	1.73	0.017	0.15	<0.1	0.01	6.5	0.1	<0.05	7	<0.5	<0.2
REP 22800 89200	QC	13	31	1.03	290	0.139	<1	1.78	0.018	0.16	<0.1	0.01	6.5	0.1	<0.05	7	<0.5	<0.2
22800 89550	Soil	15	37	1.05	329	0.243	1	1.81	0.072	0.44	<0.1	<0.01	6.3	0.2	0.54	9	<0.5	<0.2
REP 22800 89550	QC	15	35	0.96	335	0.239	<1	1.58	0.069	0.43	<0.1	0.01	6.2	0.2	0.54	9	<0.5	<0.2
22600 88950	Soil	7	22	1.03	267	0.190	1	2.29	0.014	0.36	0.1	<0.01	2.9	0.2	<0.05	7	<0.5	<0.2
REP 22600 88950	QC	7	24	1.00	269	0.191	1	2.28	0.016	0.36	0.1	0.01	2.9	0.2	<0.05	7	0.7	<0.2
22600 90700	Soil	10	21	1.23	196	0.200	<1	2.92	0.018	0.41	<0.1	<0.01	2.6	0.2	<0.05	11	<0.5	<0.2
REP 22600 90700	QC	11	21	1.19	198	0.194	<1	2.82	0.018	0.39	<0.1	<0.01	2.8	0.1	<0.05	11	<0.5	0.2
22700 89100	Soil	12	41	1.45	237	0.137	<1	1.88	0.010	0.31	<0.1	<0.01	4.8	0.2	<0.05	7	<0.5	<0.2
REP 22700 89100	QC	12	41	1.47	247	0.140	<1	1.93	0.011	0.30	0.1	0.02	4.8	0.2	<0.05	8	<0.5	<0.2
22700 90000	Soil	8	62	0.90	135	0.106	<1	1.76	0.010	0.14	<0.1	0.01	3.3	0.1	<0.05	7	<0.5	<0.2
REP 22700 90000	QC	9	64	0.92	138	0.109	<1	1.79	0.011	0.14	<0.1	<0.01	3.5	0.1	<0.05	7	<0.5	<0.2
24600 89250	Soil	8	31	0.62	154	0.062	<1	1.97	0.016	0.05	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
REP 24600 89250	QC	8	32	0.61	151	0.062	<1	1.97	0.011	0.05	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	14	176	1.04	418	0.126	40	1.02	0.122	0.50	3.8	0.21	2.9	4.0	0.20	5	3.6	0.8



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Project: Mariposa

Report Date: September 21, 2010

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QUALITY CONTROL REPORT

WHI10000329.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS7	Standard	20.4	116.5	69.0	395	1.0	53.7	9.0	621	2.32	52.9	5.0	89.6	4.9	79	6.9	6.3	5.0	81	0.94	0.077
STD DS7	Standard	20.3	108.9	67.6	400	1.0	54.6	9.1	633	2.38	51.7	4.6	65.0	4.3	77	6.3	5.7	4.7	84	0.93	0.081
STD DS7	Standard	20.0	117.1	71.9	390	1.0	53.6	9.4	625	2.31	52.6	5.0	75.3	4.7	73	6.8	6.3	5.0	73	0.92	0.082
STD DS7	Standard	20.4	106.2	73.4	397	1.0	54.6	8.8	582	2.29	49.3	5.2	66.6	4.9	72	6.1	5.9	4.8	83	0.89	0.072
STD DS7	Standard	19.9	84.6	55.9	350	0.9	53.1	8.4	545	2.10	44.7	4.1	67.5	3.8	59	5.3	4.7	3.7	80	0.84	0.070
STD DS7	Standard	21.8	112.0	69.7	415	1.0	57.7	9.6	651	2.49	56.7	5.0	60.5	4.7	87	6.7	6.7	5.0	88	1.06	0.086
STD DS7	Standard	21.8	112.7	82.0	409	1.2	59.0	9.2	607	2.34	52.5	5.6	75.8	5.3	81	6.4	6.7	5.2	85	0.94	0.077
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa

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QUALITY CONTROL REPORT

WHI10000329.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS7	Standard	14	173	1.03	398	0.125	40	1.01	0.106	0.50	3.7	0.20	2.7	4.0	0.16	5	3.0	1.0
STD DS7	Standard	13	190	1.04	409	0.121	40	1.03	0.106	0.46	3.7	0.22	2.4	4.2	0.22	5	3.4	1.6
STD DS7	Standard	12	166	1.09	367	0.122	42	1.04	0.105	0.48	3.5	0.23	2.6	4.0	0.17	5	3.3	1.0
STD DS7	Standard	12	185	1.07	380	0.115	39	0.98	0.094	0.45	3.6	0.22	2.5	4.2	0.19	4	2.9	1.7
STD DS7	Standard	12	175	0.96	326	0.095	36	0.91	0.086	0.41	3.6	0.20	1.8	3.8	0.18	4	3.1	0.8
STD DS7	Standard	14	197	1.11	434	0.131	44	1.11	0.102	0.47	3.7	0.23	2.6	4.1	0.20	5	2.8	1.8
STD DS7	Standard	13	196	1.02	411	0.129	38	1.00	0.096	0.46	3.7	0.22	2.5	4.3	0.22	4	2.8	0.8
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: August 25, 2010

Report Date: September 21, 2010

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CERTIFICATE OF ANALYSIS

WHI10000329.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-9
P.O. Number
Number of Samples: 233

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
PICKUP-RJT Client to Pickup Rejects

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
John Brock
Michael Renning

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	233	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	233	Dry at 60C			WHI
RJSV	233	Saving all or part of Soil Reject			WHI
1DX2	233	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
Report Date: September 21, 2010

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CERTIFICATE OF ANALYSIS

WHI10000329.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25850 89300	Soil	0.8	13.0	6.4	44	<0.1	11.6	6.4	199	2.36	4.1	0.9	22.2	5.8	21	<0.1	0.3	0.1	42	0.26	0.038
25850 89350	Soil	1.0	22.1	9.1	51	<0.1	22.9	10.2	335	3.08	8.6	0.6	7.1	7.4	18	<0.1	0.5	0.2	65	0.20	0.033
25850 89400	Soil	1.2	18.9	8.8	54	0.1	20.3	9.1	331	3.02	7.8	0.7	5.8	7.3	21	0.1	0.4	0.1	57	0.22	0.035
25850 89450	Soil	1.1	16.4	7.8	50	<0.1	17.3	8.6	349	2.73	6.6	0.6	87.2	7.9	24	<0.1	0.3	0.1	52	0.23	0.025
25850 89500	Soil	2.5	17.7	9.0	55	0.1	17.0	7.3	391	3.08	6.0	0.6	21.6	6.6	32	0.1	0.3	0.2	49	0.20	0.072
25850 89600	Soil	4.4	21.1	7.1	54	0.1	20.1	7.8	466	3.35	6.2	0.5	211.4	4.8	27	0.1	0.4	0.2	54	0.20	0.060
25850 89650	Soil	4.0	22.8	9.0	61	0.1	21.0	10.7	367	3.21	7.7	0.7	101.3	7.0	18	0.1	0.5	0.2	62	0.17	0.025
25850 89700	Soil	3.9	28.6	9.1	60	0.1	17.6	8.8	398	3.08	7.3	0.8	106.9	4.1	23	0.1	0.6	0.3	60	0.22	0.034
25850 89750	Soil	5.9	22.4	8.7	51	0.1	15.1	9.9	450	2.88	6.4	0.7	328.3	4.3	12	0.1	0.5	0.3	44	0.13	0.032
25850 89850	Soil	6.2	22.2	11.5	50	0.3	18.4	9.4	340	2.91	7.9	0.9	12.4	7.2	16	<0.1	0.4	0.2	52	0.17	0.035
25250 89200	Soil	3.8	58.7	18.7	132	0.1	4.0	11.1	655	4.28	2.5	0.8	24.7	4.9	16	0.3	0.2	0.5	55	0.42	0.071
25250 89250	Soil	8.1	43.2	29.9	130	0.4	7.8	7.4	773	3.16	4.6	0.7	145.8	5.4	12	0.3	0.3	0.7	38	0.13	0.040
25250 89300	Soil	2.0	33.5	15.1	113	0.1	9.3	9.4	605	3.46	1.8	1.2	7.0	8.8	27	0.2	0.3	0.3	48	0.67	0.052
25250 89350	Soil	3.4	13.3	13.1	81	0.1	4.4	6.3	255	2.96	1.4	0.7	10.1	6.4	24	<0.1	0.3	0.5	27	0.10	0.013
25250 89400	Soil	2.1	23.7	11.1	63	<0.1	15.6	7.1	406	2.68	6.3	0.9	7.1	8.6	27	<0.1	0.4	0.2	49	0.22	0.014
25250 89450	Soil	2.3	21.7	11.7	61	<0.1	19.8	7.0	216	2.84	7.8	0.7	4.7	7.9	28	0.1	0.5	0.2	49	0.11	0.016
25250 89500	Soil	3.8	22.0	10.3	59	<0.1	18.8	8.0	336	2.70	6.6	0.9	12.2	5.4	28	<0.1	0.4	0.2	57	0.29	0.020
25250 89700	Soil	1.9	29.3	15.9	96	<0.1	27.9	9.5	377	3.61	6.7	0.9	6.6	7.5	22	0.2	0.4	0.3	56	0.23	0.030
25250 89750	Soil	2.6	40.8	17.9	73	<0.1	23.0	9.9	358	3.16	6.2	0.7	75.4	8.2	19	0.1	0.4	0.3	60	0.23	0.024
25250 89850	Soil	2.3	20.8	9.9	68	<0.1	12.5	7.7	368	3.34	5.8	0.8	13.7	5.4	18	0.1	0.4	0.3	61	0.24	0.036
25150 89200	Soil	2.1	73.1	42.6	703	0.5	12.7	12.8	792	5.42	9.1	1.3	4.9	5.0	63	1.2	0.2	0.6	86	0.58	0.088
25150 89250	Soil	3.4	168.0	34.9	106	1.1	10.7	10.7	645	4.65	10.5	1.4	9.4	3.6	45	0.4	0.3	3.1	83	0.35	0.054
25150 89350	Soil	1.7	25.8	7.8	68	<0.1	4.4	7.1	341	3.57	3.0	0.7	2.3	5.3	28	<0.1	0.2	0.4	43	0.21	0.016
25150 89700	Soil	2.5	37.8	11.4	73	0.1	157.6	26.9	673	4.42	5.9	1.3	1.7	7.9	108	0.1	0.3	0.2	102	0.95	0.322
25150 89800	Soil	3.6	33.1	13.4	74	0.1	15.1	8.4	334	2.92	5.8	0.8	15.5	5.8	21	0.2	0.4	0.3	55	0.25	0.032
25150 89850	Soil	3.0	30.6	9.7	60	<0.1	15.6	7.3	284	2.79	6.6	0.8	16.9	5.5	23	<0.1	0.4	0.2	59	0.28	0.029
25150 89900	Soil	2.4	63.5	8.6	104	0.4	5.8	6.3	569	3.73	4.5	0.6	2.0	4.4	19	0.2	0.2	0.4	51	0.22	0.043
25750 89350	Soil	3.8	27.0	10.4	50	0.2	19.0	9.6	527	2.84	6.2	0.9	39.8	5.3	32	<0.1	0.4	0.2	51	0.38	0.047
25750 89400	Soil	3.1	33.3	9.7	60	0.2	17.8	7.3	384	2.77	6.2	0.9	78.9	4.9	27	0.1	0.5	0.3	50	0.38	0.033
25750 89450	Soil	3.3	43.9	9.6	64	0.2	19.5	8.9	506	2.92	5.8	0.9	72.0	6.3	29	<0.1	0.6	0.3	51	0.30	0.035



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25850 89300	Soil	18	23	0.47	241	0.063	<1	1.62	0.014	0.15	0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
25850 89350	Soil	13	38	0.60	246	0.073	1	2.22	0.010	0.08	0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
25850 89400	Soil	16	31	0.54	187	0.066	1	2.25	0.011	0.10	0.1	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
25850 89450	Soil	14	33	0.55	262	0.075	<1	1.85	0.011	0.12	0.1	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
25850 89500	Soil	14	35	0.53	316	0.061	<1	1.87	0.010	0.20	0.1	0.01	3.1	0.1	<0.05	6	<0.5	<0.2
25850 89600	Soil	14	31	0.50	284	0.059	<1	2.11	0.009	0.15	<0.1	0.01	3.3	0.1	<0.05	7	<0.5	<0.2
25850 89650	Soil	13	40	0.57	218	0.074	1	2.38	0.012	0.09	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
25850 89700	Soil	18	32	0.48	367	0.068	1	1.94	0.013	0.11	0.1	0.03	5.7	0.1	<0.05	6	<0.5	<0.2
25850 89750	Soil	15	22	0.34	263	0.031	1	1.72	0.009	0.12	0.1	0.03	3.2	<0.1	<0.05	4	<0.5	0.2
25850 89850	Soil	18	31	0.47	243	0.047	<1	2.23	0.012	0.07	0.1	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
25250 89200	Soil	10	6	0.95	259	0.072	<1	2.42	0.009	0.50	<0.1	<0.01	4.3	0.3	<0.05	9	<0.5	0.2
25250 89250	Soil	13	15	0.33	198	0.031	<1	1.67	0.009	0.22	0.1	0.02	2.8	0.1	<0.05	6	<0.5	0.3
25250 89300	Soil	25	21	0.84	293	0.057	<1	2.19	0.016	0.22	<0.1	<0.01	5.9	0.2	<0.05	8	<0.5	<0.2
25250 89350	Soil	14	9	0.52	177	0.020	<1	2.20	0.007	0.30	<0.1	0.01	2.7	0.2	<0.05	6	<0.5	<0.2
25250 89400	Soil	29	30	0.45	238	0.059	<1	1.91	0.011	0.09	<0.1	0.02	4.6	0.1	<0.05	6	0.5	<0.2
25250 89450	Soil	12	31	0.37	232	0.038	<1	2.87	0.009	0.09	<0.1	0.01	3.4	0.1	<0.05	6	<0.5	<0.2
25250 89500	Soil	16	31	0.58	233	0.082	1	1.74	0.014	0.06	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
25250 89700	Soil	23	42	0.61	452	0.058	<1	2.30	0.010	0.09	0.1	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
25250 89750	Soil	21	37	0.59	323	0.066	<1	2.38	0.013	0.09	0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
25250 89850	Soil	15	24	0.60	286	0.075	<1	2.13	0.010	0.12	0.1	0.01	3.6	0.2	<0.05	8	<0.5	<0.2
25150 89200	Soil	31	25	1.40	364	0.232	<1	2.75	0.024	0.64	<0.1	<0.01	6.0	0.4	0.06	12	0.8	0.6
25150 89250	Soil	37	32	0.81	398	0.166	<1	2.14	0.013	0.75	<0.1	0.02	4.9	0.4	0.05	10	<0.5	2.8
25150 89350	Soil	13	9	0.72	212	0.062	<1	2.63	0.008	0.45	<0.1	<0.01	3.4	0.2	<0.05	8	<0.5	<0.2
25150 89700	Soil	46	221	1.76	765	0.128	1	2.21	0.019	0.09	0.1	0.02	6.2	0.2	<0.05	8	<0.5	<0.2
25150 89800	Soil	18	25	0.53	357	0.066	<1	1.93	0.012	0.09	0.1	0.01	3.2	0.2	<0.05	6	<0.5	<0.2
25150 89850	Soil	22	27	0.49	320	0.073	<1	1.82	0.011	0.07	<0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
25150 89900	Soil	7	10	0.62	265	0.222	1	1.76	0.010	0.75	0.2	<0.01	3.4	0.5	<0.05	8	<0.5	0.3
25750 89350	Soil	20	36	0.53	500	0.060	1	1.84	0.013	0.10	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
25750 89400	Soil	17	33	0.51	571	0.054	1	1.83	0.011	0.11	0.1	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
25750 89450	Soil	19	36	0.53	458	0.056	<1	1.89	0.014	0.12	0.1	0.03	4.3	0.1	<0.05	5	<0.5	<0.2



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Project: Mariposa
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
25750 89500	Soil	2.3	47.0	8.5	68	<0.1	17.1	8.3	425	3.01	5.4	1.2	53.9	5.9	26	0.1	0.6	0.3	51	0.24	0.030
25750 89600	Soil	1.9	47.3	8.8	71	0.3	21.8	8.6	606	2.91	7.4	0.6	65.8	4.8	19	0.3	0.6	0.3	62	0.24	0.033
25750 89650	Soil	6.3	55.9	11.3	128	0.1	15.8	7.1	403	2.68	6.1	0.7	186.6	3.9	16	0.6	0.8	0.5	44	0.18	0.027
25750 89700	Soil	1.8	39.5	9.7	70	0.1	12.1	9.5	343	3.64	4.4	0.8	3.2	3.3	14	<0.1	0.5	0.3	50	0.14	0.048
25750 89750	Soil	0.9	8.3	12.6	41	<0.1	8.6	5.8	352	1.98	3.1	0.5	2.9	1.3	15	<0.1	0.3	<0.1	28	0.10	0.026
25750 89800	Soil	1.7	27.5	17.1	46	0.1	17.2	8.3	289	2.57	5.4	0.6	18.8	4.0	17	<0.1	0.5	0.2	50	0.17	0.019
25750 89850	Soil	1.4	33.1	11.1	63	<0.1	25.8	11.6	441	2.98	6.1	0.8	7.8	6.0	23	<0.1	0.4	0.2	62	0.24	0.037
25750 89900	Soil	1.5	28.1	18.8	58	0.2	20.6	9.3	380	2.97	7.1	1.0	9.1	3.3	17	0.1	0.4	0.3	65	0.18	0.057
25650 89050	Soil	1.7	15.9	10.9	68	<0.1	18.9	10.4	407	2.93	5.1	0.6	1.0	3.9	16	0.2	0.4	0.2	67	0.19	0.038
25650 89200	Soil	3.2	91.3	10.5	77	<0.1	15.5	8.1	329	2.89	6.3	0.8	31.3	7.6	25	0.1	0.6	0.5	44	0.19	0.020
25650 89250	Soil	1.4	197.5	10.6	136	<0.1	4.2	15.0	618	5.31	2.5	0.8	<0.5	3.9	11	0.2	<0.1	0.2	84	0.24	0.081
25650 89300	Soil	3.1	165.4	11.0	145	0.3	11.5	8.3	874	3.55	3.5	2.2	1.1	15.1	25	0.5	0.2	0.2	47	0.37	0.062
25650 89350	Soil	2.3	100.2	9.5	89	0.2	18.1	7.1	265	2.74	6.4	0.6	7.4	6.4	27	0.3	0.4	0.4	48	0.17	0.025
25650 89400	Soil	5.1	102.1	10.1	96	0.4	10.3	7.9	413	3.25	7.2	0.5	2.7	7.9	20	0.2	0.5	0.4	48	0.12	0.037
25650 89450	Soil	9.0	104.7	11.5	63	0.1	12.7	6.4	273	2.72	5.4	0.9	156.1	6.6	19	0.1	0.9	0.4	41	0.14	0.018
25650 89500	Soil	6.9	74.9	18.5	64	0.3	19.1	11.1	491	3.14	8.3	0.9	180.5	6.3	20	0.2	0.9	0.3	62	0.19	0.026
25650 89550	Soil	4.3	58.5	19.3	62	0.1	23.7	10.0	361	2.91	7.1	0.8	83.3	6.2	22	0.2	0.7	0.3	55	0.22	0.018
25650 89600	Soil	4.4	66.3	15.6	64	0.1	19.0	9.0	412	2.86	5.9	0.9	67.2	6.7	17	0.1	0.6	0.3	50	0.18	0.017
25650 89650	Soil	3.8	74.3	13.3	78	0.8	13.9	7.3	502	3.05	7.0	0.6	32.8	4.0	16	0.6	0.6	0.4	51	0.15	0.046
25650 89700	Soil	4.4	88.4	15.1	85	0.5	17.3	8.5	419	3.23	7.6	1.2	71.2	8.8	15	0.2	0.8	0.5	44	0.13	0.020
25650 89750	Soil	1.4	42.2	10.2	69	<0.1	27.7	9.8	441	3.01	9.5	0.9	10.0	6.0	26	0.2	0.6	0.2	66	0.28	0.026
25650 89800	Soil	1.7	40.6	12.3	53	0.1	17.8	8.1	304	2.45	6.8	1.0	20.7	2.7	25	0.2	0.5	0.2	52	0.24	0.046
25650 89850	Soil	2.9	37.3	14.0	54	0.2	20.5	6.7	232	2.52	6.4	1.2	37.8	0.8	32	0.3	0.4	0.3	55	0.31	0.054
25450 89200	Soil	3.9	25.7	12.6	69	0.2	22.2	9.4	532	2.87	6.4	1.0	41.5	7.3	27	0.2	0.4	0.3	55	0.22	0.023
25450 89250	Soil	3.4	29.6	12.4	65	<0.1	19.1	8.1	345	2.62	5.8	0.9	29.8	5.4	24	0.1	0.5	0.2	53	0.24	0.016
25450 89300	Soil	4.7	47.7	20.6	119	0.2	13.6	6.0	302	2.50	5.4	0.8	123.0	5.7	20	0.3	0.6	0.4	45	0.16	0.016
25450 89350	Soil	5.2	51.8	23.2	156	0.3	17.0	6.9	320	2.82	5.4	0.8	103.3	6.8	23	0.5	0.5	0.4	46	0.16	0.016
25450 89400	Soil	8.0	121.5	28.6	144	0.3	10.3	6.9	344	3.19	5.4	0.9	233.2	5.7	31	0.4	0.6	0.8	52	0.18	0.022
25450 89450	Soil	9.0	156.9	28.2	110	0.3	16.9	7.2	332	2.87	7.6	1.4	288.1	7.2	18	0.4	0.8	0.5	49	0.17	0.014
25450 89500	Soil	4.2	84.0	16.3	78	0.8	21.8	8.7	324	3.03	8.7	1.1	66.7	5.7	24	1.5	0.6	0.3	63	0.23	0.027



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25750 89500	Soil	20	30	0.53	388	0.062	<1	1.66	0.016	0.12	0.1	0.03	4.5	0.1	<0.05	5	<0.5	0.2
25750 89600	Soil	12	33	0.58	359	0.071	2	2.07	0.012	0.09	0.1	0.03	3.5	<0.1	<0.05	6	<0.5	0.2
25750 89650	Soil	15	25	0.41	345	0.044	1	1.45	0.010	0.07	<0.1	0.03	2.8	<0.1	<0.05	4	<0.5	0.2
25750 89700	Soil	16	19	0.41	342	0.021	<1	2.22	0.009	0.14	0.2	0.02	3.9	0.2	<0.05	5	<0.5	<0.2
25750 89750	Soil	8	15	0.21	357	0.019	<1	1.38	0.010	0.09	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
25750 89800	Soil	14	29	0.49	261	0.052	1	1.88	0.012	0.06	0.1	0.02	3.2	<0.1	<0.05	5	<0.5	0.2
25750 89850	Soil	19	38	0.67	365	0.092	2	1.93	0.015	0.08	0.2	0.02	4.9	0.1	<0.05	6	<0.5	<0.2
25750 89900	Soil	16	35	0.51	333	0.063	<1	1.94	0.009	0.08	0.1	0.04	3.5	0.1	<0.05	6	<0.5	<0.2
25650 89050	Soil	13	32	0.49	198	0.077	2	1.62	0.010	0.10	0.1	0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
25650 89200	Soil	19	25	0.47	229	0.078	1	1.81	0.010	0.17	0.1	0.02	3.2	0.2	<0.05	5	<0.5	0.5
25650 89250	Soil	6	7	1.07	294	0.334	<1	2.75	0.009	1.27	0.4	<0.01	2.3	0.6	<0.05	9	<0.5	<0.2
25650 89300	Soil	30	17	0.56	350	0.220	2	1.91	0.012	0.70	0.2	<0.01	3.3	0.4	<0.05	8	<0.5	<0.2
25650 89350	Soil	15	24	0.47	296	0.070	<1	1.87	0.008	0.14	0.2	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
25650 89400	Soil	15	18	0.39	275	0.058	<1	1.67	0.007	0.21	0.1	0.02	1.8	0.2	<0.05	7	<0.5	0.2
25650 89450	Soil	18	23	0.36	272	0.037	1	1.48	0.011	0.07	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
25650 89500	Soil	18	36	0.50	381	0.055	2	1.89	0.012	0.08	0.2	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
25650 89550	Soil	16	32	0.53	355	0.066	2	1.97	0.011	0.08	0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
25650 89600	Soil	17	29	0.47	376	0.060	2	1.62	0.011	0.08	0.1	0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
25650 89650	Soil	13	22	0.28	211	0.020	2	1.89	0.007	0.10	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
25650 89700	Soil	18	26	0.35	282	0.037	2	1.83	0.019	0.10	0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
25650 89750	Soil	18	37	0.64	440	0.086	2	2.03	0.013	0.08	0.1	0.01	6.4	<0.1	<0.05	5	<0.5	<0.2
25650 89800	Soil	20	31	0.45	337	0.048	2	1.68	0.010	0.05	<0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
25650 89850	Soil	28	38	0.44	436	0.032	<1	1.86	0.010	0.07	<0.1	0.04	2.6	<0.1	<0.05	6	<0.5	<0.2
25450 89200	Soil	25	32	0.51	388	0.074	2	1.93	0.011	0.11	0.1	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
25450 89250	Soil	17	31	0.57	255	0.086	2	1.56	0.012	0.09	0.1	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
25450 89300	Soil	15	24	0.41	254	0.058	1	1.51	0.009	0.11	<0.1	0.02	2.9	0.1	<0.05	4	<0.5	<0.2
25450 89350	Soil	14	34	0.48	248	0.066	<1	1.78	0.009	0.11	0.1	0.02	3.0	0.1	<0.05	5	<0.5	0.2
25450 89400	Soil	18	18	0.51	372	0.079	<1	1.79	0.015	0.22	0.1	0.03	3.5	0.2	<0.05	5	<0.5	0.2
25450 89450	Soil	38	30	0.44	361	0.058	1	1.67	0.011	0.08	<0.1	0.03	4.7	<0.1	<0.05	4	<0.5	0.3
25450 89500	Soil	23	35	0.54	564	0.073	1	2.07	0.009	0.11	<0.1	0.04	4.2	<0.1	<0.05	6	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25450 89550	Soil				4.6	181.8	26.5	79	0.3	15.5	9.3	486	3.33	7.3	1.3	91.3	8.5	20	0.1	0.7	0.6	42	0.14	0.020
25450 89600	Soil				4.2	70.5	12.7	66	0.7	10.5	6.5	847	2.60	4.9	0.8	927.3	7.9	34	0.4	0.5	0.5	29	0.17	0.027
25450 89650	Soil				3.9	218.9	37.6	107	0.9	14.6	8.3	366	3.90	7.4	1.4	6.1	8.5	20	0.4	0.7	0.9	46	0.10	0.029
25450 89700	Soil				5.2	102.9	34.8	156	<0.1	8.0	10.5	608	4.40	5.5	0.7	9.4	3.6	24	0.2	0.5	1.0	69	0.12	0.041
25550 89100	Soil				2.6	47.7	11.7	95	<0.1	14.0	6.4	620	2.57	9.5	1.6	2.0	7.5	21	0.5	0.5	0.4	42	0.24	0.025
25550 89150	Soil				2.1	73.8	8.7	62	0.1	10.9	5.7	289	2.39	4.2	0.9	7.3	5.7	20	0.2	0.3	0.8	42	0.22	0.026
25550 89200	Soil				1.6	71.6	9.6	71	<0.1	14.3	7.3	318	2.88	8.6	1.2	2.8	8.4	20	0.2	0.4	0.6	47	0.19	0.017
25550 89250	Soil				0.9	126.1	7.0	139	<0.1	5.7	10.7	529	4.38	1.8	0.8	3.6	5.5	20	<0.1	0.1	0.7	71	0.34	0.067
25550 89300	Soil				1.1	146.3	7.6	106	<0.1	8.1	9.8	441	4.11	2.7	1.2	5.5	11.1	19	<0.1	0.2	0.8	60	0.30	0.069
25550 93350	Soil				3.1	139.0	13.8	75	0.1	14.5	9.9	619	3.36	4.7	1.5	91.4	11.0	28	0.2	0.4	1.2	41	0.24	0.046
25550 89400	Soil				2.6	212.7	9.4	104	0.1	37.1	10.7	513	4.02	1.4	1.3	9.4	11.9	43	0.2	0.1	0.8	46	0.67	0.134
25550 89450	Soil				3.3	245.6	12.5	90	<0.1	11.3	9.8	352	3.68	4.3	1.1	66.1	8.0	37	0.1	0.5	0.7	40	0.17	0.018
25550 89500	Soil				2.8	62.0	9.5	86	0.4	7.8	5.8	715	3.28	5.9	0.8	87.6	3.7	17	0.3	0.5	1.0	39	0.12	0.048
25550 89550	Soil				3.2	101.5	14.1	103	0.3	5.8	7.7	418	3.96	3.9	0.8	5.2	6.1	22	0.1	0.9	1.3	30	0.13	0.028
25550 89600	Soil				2.4	72.3	12.0	79	0.7	18.7	8.7	354	3.67	10.7	0.7	22.3	5.0	25	0.2	0.9	0.8	64	0.11	0.026
25550 89650	Soil				2.5	79.5	11.9	80	0.2	17.3	9.1	502	3.08	8.3	1.2	14.6	6.8	34	0.1	0.7	0.3	53	0.30	0.030
25550 89700	Soil				5.0	97.9	12.3	75	<0.1	17.2	12.5	484	3.86	7.3	0.8	11.9	5.6	18	0.3	0.5	1.2	46	0.13	0.032
25550 89750	Soil				0.5	60.8	20.4	91	<0.1	142.6	27.8	812	4.22	3.0	2.1	14.3	17.8	212	0.1	0.3	0.3	106	1.19	0.379
25550 89800	Soil				3.0	159.8	31.3	153	0.1	13.2	13.2	656	4.27	6.3	0.6	13.1	4.6	14	0.4	0.7	0.6	39	0.24	0.119
22900 88450	Soil				1.1	19.3	11.5	73	<0.1	12.5	8.4	469	3.03	225.0	1.0	0.7	5.8	28	<0.1	0.3	0.2	46	0.34	0.055
22900 88500	Soil				1.5	8.8	8.6	67	<0.1	5.9	3.9	391	2.44	5.3	0.7	1.5	8.3	12	<0.1	0.1	<0.1	17	0.18	0.026
22900 88550	Soil				0.8	46.9	8.8	88	<0.1	51.3	24.3	653	4.70	8.3	0.7	1.4	3.0	36	0.1	0.2	<0.1	110	0.76	0.109
22900 88600	Soil				0.4	26.9	3.5	148	<0.1	9.7	22.6	1019	6.35	2.5	0.6	1.2	3.2	30	<0.1	<0.1	<0.1	128	0.83	0.252
22900 88650	Soil				0.3	25.9	4.0	110	<0.1	8.9	15.3	536	4.51	4.4	0.2	<0.5	1.0	15	<0.1	0.2	<0.1	80	0.26	0.070
22900 88700	Soil				0.2	11.8	3.7	115	<0.1	8.0	22.0	549	4.59	3.2	0.4	<0.5	1.9	12	<0.1	<0.1	<0.1	120	0.43	0.164
22900 88750	Soil				0.3	26.6	2.5	128	<0.1	17.1	23.7	1141	5.25	2.8	0.9	1.8	5.9	19	<0.1	0.2	<0.1	114	0.39	0.086
22900 88800	Soil				0.2	50.8	2.1	123	<0.1	14.6	19.8	954	3.96	2.7	0.9	1.3	3.8	20	<0.1	0.2	<0.1	107	0.42	0.118
22900 88850	Soil				0.7	19.2	5.2	82	<0.1	14.4	14.1	597	3.83	5.0	0.6	2.5	4.3	15	<0.1	0.3	0.1	90	0.17	0.030
22900 88950	Soil				0.7	35.3	8.9	64	<0.1	23.4	11.1	390	2.86	8.2	0.7	1.7	4.8	22	<0.1	0.5	0.2	61	0.28	0.046
22900 89100	Soil				0.9	32.5	4.0	110	0.1	14.9	11.0	794	3.81	4.1	0.7	3.2	2.4	23	0.1	0.2	0.1	64	0.59	0.097



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25450 89550	Soil	22	25	0.43	363	0.032	1	1.91	0.008	0.10	<0.1	0.03	3.7	0.1	<0.05	4	<0.5	0.6
25450 89600	Soil	18	16	0.27	395	0.013	2	1.84	0.007	0.10	<0.1	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
25450 89650	Soil	22	27	0.35	236	0.033	1	2.12	0.012	0.10	0.1	0.04	3.4	0.1	<0.05	5	0.8	0.3
25450 89700	Soil	10	15	0.56	270	0.098	1	2.33	0.007	0.34	0.2	0.02	3.6	0.4	<0.05	9	<0.5	<0.2
25550 89100	Soil	28	22	0.42	332	0.062	1	1.41	0.009	0.17	0.2	0.02	3.2	0.1	<0.05	5	<0.5	<0.2
25550 89150	Soil	17	18	0.43	252	0.085	1	1.35	0.011	0.16	0.2	0.02	2.6	<0.1	<0.05	5	<0.5	0.3
25550 89200	Soil	21	20	0.47	270	0.082	<1	1.65	0.011	0.23	0.1	0.01	3.2	0.1	<0.05	5	<0.5	<0.2
25550 89250	Soil	14	7	1.01	424	0.307	<1	2.46	0.012	1.00	0.6	<0.01	2.8	0.5	<0.05	8	<0.5	<0.2
25550 89300	Soil	36	11	0.87	454	0.234	1	2.30	0.009	0.85	0.4	0.01	5.4	0.4	<0.05	9	<0.5	<0.2
25550 93350	Soil	35	22	0.48	292	0.057	2	1.58	0.011	0.17	0.2	0.01	3.6	0.1	<0.05	5	<0.5	0.3
25550 89400	Soil	53	32	1.11	767	0.061	<1	2.30	0.010	0.53	0.2	<0.01	4.8	0.3	<0.05	8	<0.5	0.6
25550 89450	Soil	20	19	0.55	376	0.040	<1	2.07	0.009	0.19	0.1	0.01	3.0	0.2	<0.05	5	<0.5	0.2
25550 89500	Soil	17	15	0.24	273	0.031	1	1.11	0.008	0.14	0.1	0.02	2.6	<0.1	0.07	5	<0.5	<0.2
25550 89550	Soil	17	10	0.32	375	0.017	2	1.72	0.007	0.24	0.1	0.02	3.5	0.2	<0.05	4	<0.5	<0.2
25550 89600	Soil	11	35	0.51	324	0.061	2	2.19	0.016	0.12	0.2	0.03	4.6	0.1	<0.05	7	<0.5	<0.2
25550 89650	Soil	20	29	0.52	503	0.055	2	1.82	0.016	0.11	0.1	0.03	6.2	0.1	<0.05	5	0.5	<0.2
25550 89700	Soil	17	24	0.42	268	0.041	1	2.29	0.009	0.16	0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
25550 89750	Soil	88	178	3.09	3029	0.236	<1	2.76	0.039	0.40	<0.1	0.02	7.2	0.2	<0.05	12	<0.5	<0.2
25550 89800	Soil	10	21	0.33	225	0.021	<1	1.80	0.009	0.13	0.1	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
22900 88450	Soil	16	18	0.64	212	0.072	<1	1.62	0.012	0.28	0.1	0.01	3.4	0.2	<0.05	6	<0.5	<0.2
22900 88500	Soil	15	10	0.63	298	0.015	<1	1.48	0.008	0.15	<0.1	0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
22900 88550	Soil	16	73	1.93	348	0.152	1	2.68	0.031	0.08	0.1	<0.01	11.3	<0.1	<0.05	10	<0.5	<0.2
22900 88600	Soil	9	24	2.17	389	0.071	<1	3.23	0.028	0.20	<0.1	<0.01	12.7	<0.1	<0.05	13	0.5	<0.2
22900 88650	Soil	3	16	1.39	180	0.322	<1	2.70	0.017	0.76	0.1	<0.01	4.7	0.3	<0.05	9	<0.5	<0.2
22900 88700	Soil	9	13	2.24	253	0.195	<1	2.81	0.019	0.70	<0.1	<0.01	11.1	0.3	<0.05	12	<0.5	<0.2
22900 88750	Soil	41	60	2.16	403	0.141	<1	2.93	0.012	0.41	<0.1	<0.01	15.3	0.2	<0.05	12	0.5	<0.2
22900 88800	Soil	14	26	2.31	302	0.082	<1	2.08	0.011	0.17	<0.1	<0.01	14.6	<0.1	<0.05	10	<0.5	<0.2
22900 88850	Soil	15	23	1.16	284	0.201	1	2.22	0.021	0.47	0.1	<0.01	8.8	0.2	<0.05	9	<0.5	<0.2
22900 88950	Soil	15	34	0.70	292	0.101	1	1.99	0.017	0.08	0.2	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
22900 89100	Soil	14	26	1.20	366	0.105	1	1.87	0.020	0.35	0.1	0.02	11.7	0.2	<0.05	8	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22900 89150	Soil	0.7	35.9	6.2	118	0.1	19.6	15.9	838	3.45	4.8	1.1	3.6	3.5	27	0.2	0.2	<0.1	73	0.64	0.143
22900 89200	Soil	3.4	29.5	8.5	76	0.2	24.9	16.2	632	3.91	5.2	0.7	2.6	3.2	21	<0.1	0.2	0.1	78	0.40	0.074
22900 89250	Soil	3.1	40.6	12.9	94	0.2	14.9	18.1	876	5.19	9.5	0.6	4.9	3.0	17	0.3	0.3	0.1	97	0.35	0.101
22900 89300	Soil	3.9	29.0	15.5	81	0.6	15.9	12.8	675	3.72	7.0	1.3	8.7	4.0	25	0.4	0.3	0.2	73	0.34	0.067
22900 89350	Soil	2.4	36.1	17.2	114	0.2	12.8	15.2	974	5.04	4.7	0.6	3.9	2.2	23	0.1	0.2	<0.1	108	0.50	0.145
22900 89400	Soil	1.7	25.8	8.4	77	0.1	15.5	15.0	696	3.74	7.6	0.8	4.4	3.9	16	<0.1	0.3	0.1	74	0.27	0.101
22900 89500	Soil	1.2	14.1	6.0	86	<0.1	13.7	11.4	542	3.94	6.6	0.5	8.5	4.4	14	<0.1	0.4	0.2	68	0.17	0.055
22900 89550	Soil	0.9	15.2	8.6	67	<0.1	20.8	12.2	491	3.19	10.8	0.7	2.5	4.4	20	0.1	0.6	0.2	65	0.26	0.070
22900 89600	Soil	0.7	7.8	7.2	61	<0.1	9.5	9.1	515	2.40	6.5	0.4	0.7	3.6	12	<0.1	0.3	0.2	58	0.17	0.064
22900 89750	Soil	1.1	16.3	9.1	72	0.1	14.1	9.0	422	3.38	7.0	0.8	4.0	4.0	17	<0.1	0.3	0.2	77	0.22	0.054
22900 89800	Soil	0.8	10.3	7.3	69	<0.1	11.1	7.9	344	2.90	6.9	0.4	1.1	2.9	13	<0.1	0.3	0.3	75	0.15	0.038
22900 89900	Soil	0.8	17.7	6.4	82	<0.1	15.1	11.0	470	3.13	6.0	1.2	1.9	6.9	19	<0.1	0.3	0.4	61	0.28	0.057
22900 90150	Soil	2.6	17.8	6.5	88	0.2	30.0	13.1	631	4.22	5.4	0.8	2.1	4.9	20	<0.1	0.3	0.2	82	0.28	0.085
22900 90200	Soil	1.8	14.6	7.5	75	0.1	15.2	9.8	622	3.28	6.6	0.6	1.9	3.9	15	<0.1	0.2	0.2	69	0.20	0.098
22900 90250	Soil	2.2	12.7	4.7	81	0.2	11.1	8.2	635	3.64	6.9	0.6	2.6	3.2	12	<0.1	0.3	0.2	72	0.18	0.061
22900 90400	Soil	2.1	15.1	6.7	85	<0.1	10.9	12.1	779	3.72	4.1	0.7	2.0	3.8	19	0.1	0.2	0.1	88	0.34	0.080
22900 90450	Soil	1.2	14.8	6.7	76	<0.1	10.9	9.6	443	3.33	5.1	0.7	3.9	4.0	17	0.1	0.3	0.1	73	0.21	0.050
22900 90500	Soil	0.7	17.4	8.1	67	<0.1	16.8	10.5	415	3.05	6.3	0.7	2.7	3.7	26	<0.1	0.3	0.1	62	0.30	0.055
22900 90550	Soil	1.4	5.8	16.0	124	<0.1	13.7	14.7	1409	4.06	4.1	0.4	1.0	1.2	57	0.2	0.2	0.1	94	0.88	0.215
22900 90600	Soil	0.6	6.6	7.7	76	<0.1	14.4	10.0	573	3.34	4.2	0.5	1.5	1.6	56	<0.1	0.2	0.1	79	0.56	0.093
22900 90650	Soil	0.8	9.7	9.4	84	<0.1	15.9	11.4	667	3.51	5.2	0.7	2.2	2.8	47	<0.1	0.2	0.1	73	0.68	0.115
22900 90700	Soil	0.7	7.6	8.5	98	<0.1	12.7	11.8	694	3.72	7.4	0.5	1.3	1.9	43	<0.1	0.3	0.1	93	0.64	0.170
22900 90750	Soil	0.8	9.0	9.1	86	<0.1	14.5	12.2	636	3.60	6.5	0.6	1.1	2.8	50	<0.1	0.3	0.1	82	0.53	0.113
22900 90800	Soil	0.5	8.8	5.8	75	<0.1	12.5	12.0	463	3.01	5.4	0.5	3.5	2.4	35	<0.1	0.3	<0.1	72	0.42	0.120
22800 88450	Soil	2.2	17.3	36.7	52	0.1	8.7	3.8	172	3.97	15.0	2.9	2.6	14.4	55	<0.1	0.4	0.2	37	0.13	0.059
22800 88500	Soil	1.0	20.9	15.4	72	<0.1	20.1	9.2	606	2.77	12.4	0.8	2.9	7.8	18	<0.1	0.3	0.2	35	0.35	0.070
22800 88550	Soil	1.6	34.5	9.5	57	<0.1	36.5	12.0	401	2.98	9.9	0.6	2.9	4.1	24	0.1	0.5	0.2	64	0.40	0.055
22800 88600	Soil	1.1	24.9	13.0	98	0.2	7.4	8.4	585	4.26	4.2	0.6	0.8	1.1	33	0.3	0.2	<0.1	81	0.47	0.076
22800 88650	Soil	0.9	40.7	9.2	61	0.3	16.8	13.3	270	3.11	8.1	0.4	1.6	2.1	27	0.3	0.3	0.1	83	0.40	0.178
22800 88700	Soil	0.9	39.0	9.2	103	0.2	15.6	15.0	1421	3.82	6.5	0.4	4.9	2.3	65	0.3	0.3	0.1	81	0.87	0.152



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22900 89150	Soil	16	30	1.42	445	0.159	2	2.11	0.014	0.39	<0.1	0.02	9.9	0.2	<0.05	8	<0.5	<0.2
22900 89200	Soil	12	48	1.06	351	0.171	<1	2.10	0.019	0.21	0.1	0.02	6.0	0.2	<0.05	8	<0.5	<0.2
22900 89250	Soil	12	28	0.97	308	0.148	<1	2.03	0.019	0.28	<0.1	0.01	8.5	0.2	<0.05	8	<0.5	<0.2
22900 89300	Soil	22	28	0.80	484	0.135	1	1.98	0.017	0.16	0.1	0.02	6.5	0.2	0.06	7	<0.5	0.3
22900 89350	Soil	10	30	1.57	531	0.238	<1	2.40	0.017	0.77	0.1	0.02	6.1	0.4	0.11	9	0.6	0.4
22900 89400	Soil	11	28	0.84	231	0.148	1	2.12	0.014	0.32	0.1	0.02	5.7	0.2	<0.05	7	<0.5	0.2
22900 89500	Soil	14	25	0.96	181	0.151	1	2.26	0.009	0.38	0.1	0.01	6.4	0.3	<0.05	8	<0.5	<0.2
22900 89550	Soil	15	31	0.61	177	0.089	2	1.92	0.012	0.10	0.2	0.03	4.5	0.1	<0.05	6	0.6	<0.2
22900 89600	Soil	11	21	0.62	115	0.116	1	1.44	0.009	0.19	0.1	0.01	4.0	0.2	<0.05	7	<0.5	<0.2
22900 89750	Soil	15	27	0.70	214	0.133	2	2.23	0.013	0.15	0.1	0.02	6.1	0.2	<0.05	9	<0.5	<0.2
22900 89800	Soil	11	20	0.68	127	0.156	<1	1.85	0.010	0.11	0.1	0.01	5.0	0.1	<0.05	9	<0.5	<0.2
22900 89900	Soil	28	26	0.71	262	0.137	1	2.20	0.015	0.14	0.1	0.02	6.3	0.1	<0.05	7	<0.5	<0.2
22900 90150	Soil	20	53	1.24	267	0.207	<1	2.30	0.012	0.27	0.1	0.02	6.6	0.2	<0.05	9	<0.5	<0.2
22900 90200	Soil	14	30	0.72	207	0.154	1	1.71	0.014	0.26	0.1	0.04	5.7	0.2	<0.05	8	<0.5	<0.2
22900 90250	Soil	13	22	0.80	233	0.202	<1	1.77	0.010	0.46	0.1	0.02	6.7	0.3	<0.05	8	<0.5	<0.2
22900 90400	Soil	14	31	1.13	233	0.137	1	2.01	0.020	0.39	<0.1	0.02	7.9	0.2	<0.05	8	<0.5	<0.2
22900 90450	Soil	13	25	0.84	154	0.127	1	1.83	0.013	0.22	0.1	0.02	6.3	0.2	<0.05	7	<0.5	<0.2
22900 90500	Soil	16	29	0.73	344	0.073	<1	2.09	0.019	0.08	<0.1	0.02	5.3	<0.1	<0.05	7	<0.5	<0.2
22900 90550	Soil	4	24	1.29	233	0.142	2	2.22	0.028	0.26	<0.1	<0.01	3.5	<0.1	<0.05	11	<0.5	<0.2
22900 90600	Soil	7	25	0.89	227	0.088	2	1.89	0.019	0.05	<0.1	0.01	4.0	<0.1	<0.05	9	<0.5	<0.2
22900 90650	Soil	9	27	0.96	301	0.125	2	2.11	0.024	0.12	<0.1	0.02	4.4	<0.1	<0.05	8	<0.5	<0.2
22900 90700	Soil	7	23	1.11	209	0.175	1	2.38	0.025	0.19	0.1	0.01	3.2	0.1	<0.05	11	0.5	<0.2
22900 90750	Soil	9	23	1.02	278	0.110	2	2.44	0.022	0.13	<0.1	<0.01	4.0	<0.1	<0.05	10	<0.5	<0.2
22900 90800	Soil	9	20	0.91	213	0.130	2	2.27	0.019	0.23	0.1	<0.01	3.1	0.1	<0.05	8	<0.5	<0.2
22800 88450	Soil	31	18	0.34	252	0.081	<1	1.48	0.060	0.14	<0.1	<0.01	2.5	0.1	0.24	6	0.6	<0.2
22800 88500	Soil	27	25	0.79	612	0.026	<1	1.52	0.020	0.12	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
22800 88550	Soil	10	53	0.91	263	0.091	2	1.82	0.022	0.09	0.1	0.02	5.9	<0.1	<0.05	6	<0.5	<0.2
22800 88600	Soil	3	15	0.90	245	0.183	2	2.26	0.012	0.34	<0.1	0.01	2.7	<0.1	<0.05	8	0.8	<0.2
22800 88650	Soil	7	26	0.96	217	0.142	2	2.00	0.028	0.23	0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
22800 88700	Soil	6	25	1.01	624	0.206	2	2.35	0.031	0.51	0.1	0.02	3.7	0.1	<0.05	8	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte	Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22800 88750	Soil		0.7	29.1	7.1	71	<0.1	46.5	14.0	545	3.21	5.7	0.9	5.0	5.6	44	0.1	0.3	0.1	70	0.58	0.123
22800 88800	Soil		0.7	20.4	9.3	73	<0.1	16.0	11.1	331	3.40	4.9	0.5	3.9	3.0	29	<0.1	0.3	0.1	87	0.33	0.057
22800 88900	Soil		0.9	20.7	8.5	60	<0.1	16.3	10.0	475	2.76	6.5	1.0	3.3	4.0	26	<0.1	0.3	0.2	66	0.31	0.047
22800 88950	Soil		0.8	19.9	8.4	45	<0.1	14.4	7.0	247	2.39	6.9	0.6	2.3	3.3	22	0.1	0.4	0.2	60	0.26	0.036
22800 89000	Soil		0.8	27.7	5.4	119	<0.1	17.2	21.8	927	4.82	4.1	0.9	2.8	4.3	20	0.1	0.3	0.1	116	0.58	0.179
22800 89200	Soil		1.1	20.7	7.0	78	0.1	16.2	11.6	575	2.99	4.5	0.8	1.4	2.8	21	0.1	0.2	<0.1	64	0.38	0.076
22800 89250	Soil		2.3	20.4	11.7	76	0.1	18.9	12.9	533	3.47	6.0	0.6	10.7	3.4	20	0.1	0.3	0.1	74	0.36	0.068
22800 89300	Soil		2.1	20.4	10.5	67	0.1	16.4	10.2	395	3.09	5.1	0.7	8.6	3.7	18	0.1	0.3	0.1	60	0.24	0.049
22800 89350	Soil		2.0	31.3	10.9	68	0.2	17.1	13.2	525	3.57	5.5	1.0	3.3	2.8	25	0.1	0.2	0.1	75	0.40	0.065
22800 89400	Soil		2.1	32.2	10.9	83	0.2	14.5	14.4	699	3.87	5.7	0.8	2.0	2.6	24	0.2	0.2	0.1	91	0.47	0.104
22800 89450	Soil		3.4	50.9	8.8	74	0.2	26.1	17.4	467	4.80	5.5	0.7	1.4	1.9	22	<0.1	0.2	<0.1	112	0.37	0.106
22800 89500	Soil		2.6	40.9	11.6	94	0.1	12.9	13.8	669	6.13	7.0	0.4	0.9	1.2	21	0.1	0.2	<0.1	132	0.22	0.089
22800 89550	Soil		2.1	35.9	11.4	73	0.2	9.6	10.4	835	5.54	8.4	1.1	<0.5	2.3	54	0.1	0.2	0.3	133	0.13	0.191
22800 89600	Soil		1.1	83.5	5.7	91	<0.1	16.6	22.7	584	6.08	6.0	1.0	2.0	2.6	34	<0.1	0.2	<0.1	133	0.39	0.137
22800 89650	Soil		1.2	27.7	9.5	63	0.1	15.6	12.3	391	3.39	5.9	0.7	1.3	3.0	16	0.1	0.3	0.2	93	0.20	0.049
22800 89750	Soil		6.1	31.3	9.8	106	0.2	9.1	10.6	642	4.49	10.1	1.5	2.0	8.1	38	0.2	0.3	0.8	88	0.25	0.068
22800 89850	Soil		1.3	16.4	4.1	107	<0.1	17.4	22.1	639	4.71	1.6	0.7	1.1	3.4	12	0.1	0.1	<0.1	126	0.54	0.174
22800 89900	Soil		3.9	26.1	5.5	142	<0.1	12.0	18.1	1115	6.64	4.0	0.8	<0.5	4.7	10	<0.1	0.2	0.2	131	0.25	0.110
22800 89950	Soil		5.4	8.9	6.5	118	<0.1	12.4	9.2	1322	5.70	4.6	0.7	0.8	3.7	11	<0.1	0.1	0.3	115	0.22	0.124
22800 90050	Soil		4.7	21.8	3.9	107	0.2	7.2	12.3	1186	5.28	3.3	0.7	2.3	4.2	35	<0.1	0.2	0.2	106	0.30	0.123
22800 90100	Soil		3.9	15.8	8.9	107	0.2	18.5	14.9	1102	4.99	2.8	0.5	1.0	2.6	19	<0.1	0.1	0.2	128	0.32	0.086
22800 90150	Soil		2.0	11.7	5.5	101	0.1	9.0	9.4	789	4.73	6.7	0.5	2.6	2.7	14	<0.1	0.2	0.1	111	0.21	0.107
22800 90200	Soil		2.8	16.0	3.2	128	<0.1	10.2	18.0	1189	5.25	3.2	0.4	1.1	2.2	10	<0.1	0.2	0.1	112	0.30	0.096
22800 90250	Soil		3.4	19.4	6.0	88	0.1	8.5	11.2	743	3.86	4.4	0.7	1.6	2.4	15	<0.1	0.2	0.1	85	0.30	0.090
22800 90300	Soil		1.3	19.9	5.1	120	<0.1	6.7	11.0	1196	4.76	3.7	0.5	1.2	3.0	12	<0.1	0.2	0.2	57	0.31	0.130
22800 90350	Soil		1.3	18.2	5.1	110	<0.1	9.1	11.8	1055	4.45	3.3	0.5	1.5	3.5	13	<0.1	0.2	0.2	100	0.29	0.088
22800 90400	Soil		0.8	21.4	4.6	91	<0.1	38.1	11.6	611	4.26	4.0	0.6	6.2	4.8	22	<0.1	0.2	0.1	82	0.26	0.090
22800 90550	Soil		0.6	14.1	8.4	64	<0.1	17.8	8.4	522	2.87	5.9	0.5	3.1	3.0	25	0.1	0.3	0.1	60	0.32	0.069
22800 90700	Soil		1.0	7.7	9.1	69	<0.1	12.6	9.5	525	3.06	4.6	0.5	1.2	1.4	60	<0.1	0.2	<0.1	76	0.63	0.144
22600 88650	Soil		0.9	30.7	8.7	75	0.1	33.0	12.7	427	3.30	4.9	1.4	3.2	4.9	43	<0.1	0.2	0.1	62	0.68	0.126



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22800 88750	Soil	26	75	1.27	487	0.132	2	1.91	0.016	0.16	0.1	0.01	5.7	0.1	<0.05	7	<0.5	<0.2
22800 88800	Soil	12	29	1.15	281	0.137	2	1.81	0.015	0.11	<0.1	<0.01	6.0	0.1	<0.05	8	<0.5	<0.2
22800 88900	Soil	18	33	0.70	391	0.107	1	1.55	0.024	0.07	0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
22800 88950	Soil	11	29	0.53	191	0.090	1	1.47	0.022	0.06	0.1	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
22800 89000	Soil	30	26	1.78	417	0.119	1	2.78	0.026	0.31	<0.1	<0.01	12.0	0.2	<0.05	11	<0.5	<0.2
22800 89200	Soil	13	32	1.01	278	0.138	1	1.73	0.017	0.15	<0.1	0.01	6.5	0.1	<0.05	7	<0.5	<0.2
22800 89250	Soil	12	39	0.95	226	0.139	1	1.76	0.021	0.16	<0.1	0.01	6.3	0.1	<0.05	7	<0.5	<0.2
22800 89300	Soil	13	32	0.76	261	0.137	1	1.73	0.020	0.12	0.1	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
22800 89350	Soil	10	36	0.99	325	0.174	1	1.90	0.021	0.25	0.1	<0.01	5.3	0.2	<0.05	7	<0.5	<0.2
22800 89400	Soil	11	33	1.23	439	0.159	2	2.40	0.021	0.30	<0.1	0.02	6.6	0.2	<0.05	8	<0.5	<0.2
22800 89450	Soil	9	61	1.43	391	0.246	1	2.52	0.028	0.69	0.1	0.01	4.9	0.3	0.08	9	<0.5	<0.2
22800 89500	Soil	4	25	1.27	296	0.272	<1	2.99	0.031	0.66	0.1	0.01	5.4	0.3	0.07	11	<0.5	<0.2
22800 89550	Soil	15	37	1.05	329	0.243	1	1.81	0.072	0.44	<0.1	<0.01	6.3	0.2	0.54	9	<0.5	<0.2
22800 89600	Soil	19	40	1.62	540	0.250	<1	2.62	0.035	0.88	<0.1	<0.01	7.7	0.5	0.20	9	<0.5	<0.2
22800 89650	Soil	10	36	1.19	212	0.144	2	2.19	0.017	0.24	<0.1	0.01	4.6	0.2	<0.05	7	<0.5	<0.2
22800 89750	Soil	35	34	1.14	382	0.244	1	2.28	0.052	1.05	0.1	0.01	9.2	0.8	0.33	8	<0.5	<0.2
22800 89850	Soil	13	41	2.18	321	0.263	<1	2.97	0.021	1.12	0.1	<0.01	8.2	0.4	<0.05	11	<0.5	<0.2
22800 89900	Soil	13	24	1.83	338	0.425	<1	3.67	0.011	1.59	0.1	<0.01	20.8	0.8	<0.05	14	<0.5	<0.2
22800 89950	Soil	13	30	1.57	220	0.354	<1	2.69	0.022	1.22	<0.1	<0.01	15.3	1.0	<0.05	14	<0.5	<0.2
22800 90050	Soil	25	24	1.56	265	0.322	<1	2.74	0.013	1.50	0.2	<0.01	12.2	1.2	0.12	12	<0.5	<0.2
22800 90100	Soil	14	49	2.05	330	0.351	<1	2.95	0.015	1.15	<0.1	<0.01	13.8	0.8	0.05	13	<0.5	<0.2
22800 90150	Soil	10	27	1.44	227	0.299	1	2.57	0.016	0.98	0.1	0.01	11.6	0.4	<0.05	12	<0.5	<0.2
22800 90200	Soil	13	38	1.68	287	0.284	<1	2.65	0.022	1.30	0.3	<0.01	10.7	0.8	<0.05	11	<0.5	<0.2
22800 90250	Soil	16	27	1.19	305	0.240	1	2.07	0.016	0.78	0.1	0.01	9.2	0.3	<0.05	10	<0.5	<0.2
22800 90300	Soil	14	16	0.97	265	0.189	1	2.08	0.011	0.61	0.1	0.01	10.0	0.3	<0.05	10	<0.5	<0.2
22800 90350	Soil	12	21	1.48	282	0.254	1	2.58	0.013	0.95	0.2	0.02	8.6	0.6	<0.05	10	<0.5	<0.2
22800 90400	Soil	18	55	1.25	244	0.122	2	2.23	0.015	0.33	<0.1	<0.01	7.0	0.1	<0.05	9	<0.5	<0.2
22800 90550	Soil	16	25	0.65	476	0.048	<1	1.88	0.013	0.07	<0.1	0.02	3.2	<0.1	<0.05	6	0.6	<0.2
22800 90700	Soil	7	24	0.89	335	0.131	1	1.88	0.020	0.26	0.1	0.02	2.7	0.1	<0.05	8	<0.5	<0.2
22600 88650	Soil	17	55	1.11	398	0.123	<1	1.90	0.016	0.19	0.1	0.01	4.1	0.1	<0.05	7	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22600 88700	Soil				0.7	21.4	7.5	76	<0.1	18.6	11.9	389	3.02	6.1	0.6	2.3	2.8	33	<0.1	0.3	0.1	61	0.43	0.088
22600 88750	Soil				1.0	23.3	8.1	60	0.1	15.1	10.3	402	2.85	5.9	0.6	2.0	2.1	27	<0.1	0.3	0.1	63	0.36	0.046
22600 88800	Soil				1.0	22.8	6.7	61	0.1	12.1	10.7	312	3.22	5.7	0.5	2.1	2.0	21	<0.1	0.2	0.1	76	0.31	0.049
22600 88850	Soil				1.1	21.3	6.4	68	0.1	12.0	11.0	385	3.34	5.5	0.6	1.9	2.4	24	<0.1	0.2	0.1	75	0.40	0.072
22600 88900	Soil				1.7	25.1	7.2	78	<0.1	43.3	16.0	699	4.62	25.8	0.5	10.4	2.9	26	0.1	0.3	0.1	86	0.55	0.116
22600 88950	Soil				1.2	21.8	7.8	77	0.1	12.9	11.5	417	3.64	11.0	0.5	4.6	1.8	21	0.1	0.3	0.1	86	0.33	0.058
22600 89100	Soil				1.2	31.8	8.6	76	0.1	96.3	20.7	680	3.76	2.8	1.3	1.1	4.9	115	0.1	0.2	<0.1	84	1.20	0.260
22600 89150	Soil				0.9	20.8	3.0	94	0.1	10.6	15.7	696	4.26	2.7	0.3	512.4	1.2	35	0.1	<0.1	<0.1	91	0.78	0.146
22600 89200	Soil				1.1	36.5	8.0	98	0.3	20.7	15.7	720	4.32	7.0	1.2	3.4	3.2	38	0.1	0.2	0.2	80	0.85	0.123
22600 89250	Soil				1.7	28.8	14.5	95	0.2	19.4	11.5	770	3.13	5.3	1.0	53.4	3.8	32	0.3	0.3	0.1	61	0.53	0.103
22600 89300	Soil				1.5	62.4	7.5	111	0.5	23.3	15.6	902	3.06	4.9	1.5	3.9	2.9	62	0.4	0.3	0.1	69	1.32	0.133
22600 89350	Soil				1.2	30.1	8.7	106	<0.1	14.9	10.8	677	3.51	5.8	0.5	0.6	3.3	21	0.3	0.3	0.1	63	0.43	0.077
22600 89400	Soil				1.2	54.2	9.0	132	<0.1	25.1	15.3	958	4.31	5.8	0.6	21.0	3.6	44	<0.1	0.4	0.1	86	0.80	0.103
22600 89450	Soil				0.7	38.5	12.6	105	<0.1	21.4	16.1	611	4.14	5.9	0.4	<0.5	2.8	19	0.2	0.3	<0.1	103	0.49	0.118
22600 89600	Soil				0.5	8.4	3.6	75	<0.1	8.1	7.5	432	1.76	4.9	0.3	<0.5	2.2	10	0.1	0.2	<0.1	40	0.21	0.077
22600 89700	Soil				1.0	28.4	5.6	96	<0.1	15.5	13.2	733	2.58	4.4	0.4	1.5	3.0	16	<0.1	0.2	0.1	61	0.34	0.073
22600 90050	Soil				0.3	45.0	3.9	137	<0.1	34.3	35.9	643	6.00	2.3	0.5	<0.5	2.2	18	<0.1	0.1	<0.1	189	0.58	0.165
22600 90100	Soil				1.5	52.0	9.6	89	<0.1	24.0	13.7	547	5.06	8.3	0.6	2.4	4.9	15	0.2	0.4	0.1	108	0.15	0.050
22600 90150	Soil				0.5	54.3	9.2	102	<0.1	41.2	23.1	556	4.43	2.5	0.5	2.7	2.2	15	0.3	0.1	0.2	153	0.54	0.195
22600 90250	Soil				0.6	84.5	17.3	142	0.1	69.3	33.4	1010	6.35	1.9	0.4	5.6	1.8	20	<0.1	<0.1	<0.1	213	0.65	0.192
22600 90300	Soil				0.5	14.1	5.4	137	<0.1	52.6	27.5	768	5.10	2.1	0.4	2.0	1.5	19	<0.1	<0.1	<0.1	126	0.56	0.153
22600 90350	Soil				0.6	43.7	5.0	87	<0.1	55.7	20.3	668	4.40	1.6	0.3	3.5	1.5	22	0.1	0.1	<0.1	102	0.51	0.092
22600 90400	Soil				0.5	41.0	4.4	85	0.1	38.0	17.4	582	3.77	3.0	0.5	5.4	1.9	23	0.1	0.2	<0.1	93	0.58	0.141
22600 90450	Soil				1.3	28.7	18.7	145	<0.1	18.1	16.5	1320	4.46	3.3	0.6	1.7	2.5	21	0.3	0.2	0.1	101	0.37	0.145
22600 90550	Soil				0.3	3.3	6.4	84	<0.1	4.8	8.3	1057	2.94	1.7	0.3	1.0	4.9	52	<0.1	0.3	<0.1	52	0.91	0.152
22600 90600	Soil				0.4	6.0	5.7	97	<0.1	12.2	12.4	618	3.86	4.6	1.0	0.6	6.5	47	<0.1	0.1	<0.1	93	0.69	0.156
22600 90650	Soil				0.3	2.6	3.5	103	<0.1	11.4	12.6	845	3.53	1.3	0.6	<0.5	4.6	65	<0.1	<0.1	<0.1	83	0.82	0.249
22600 90700	Soil				0.8	3.8	6.3	95	<0.1	13.6	13.4	884	3.67	3.4	0.4	<0.5	3.3	52	<0.1	0.1	<0.1	89	0.61	0.174
22600 90750	Soil				0.8	6.0	6.9	74	<0.1	11.0	9.3	511	2.99	4.8	0.4	2.8	2.2	49	<0.1	0.2	<0.1	72	0.50	0.102
22600 90800	Soil				0.6	8.2	9.9	79	<0.1	12.4	9.0	442	2.78	4.2	0.6	2.7	3.5	45	0.1	0.2	<0.1	64	0.60	0.123



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22600 88700	Soil	10	32	0.99	327	0.126	2	1.88	0.016	0.30	0.1	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
22600 88750	Soil	9	31	0.76	311	0.124	1	1.72	0.014	0.12	<0.1	0.02	2.5	<0.1	<0.05	5	0.7	<0.2
22600 88800	Soil	7	28	0.84	229	0.165	<1	1.94	0.020	0.21	0.1	0.01	2.6	0.1	<0.05	6	<0.5	<0.2
22600 88850	Soil	9	22	0.91	258	0.165	2	1.87	0.016	0.26	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
22600 88900	Soil	12	42	1.31	319	0.188	2	2.58	0.013	0.50	<0.1	0.03	4.4	0.2	<0.05	7	<0.5	<0.2
22600 88950	Soil	7	22	1.03	267	0.190	1	2.29	0.014	0.36	0.1	<0.01	2.9	0.2	<0.05	7	<0.5	<0.2
22600 89100	Soil	30	120	2.14	668	0.209	1	2.32	0.022	0.27	<0.1	0.03	5.8	0.3	<0.05	8	<0.5	<0.2
22600 89150	Soil	6	14	1.41	420	0.300	<1	2.43	0.018	0.94	<0.1	<0.01	2.3	0.4	<0.05	6	<0.5	<0.2
22600 89200	Soil	21	30	1.01	419	0.110	<1	2.41	0.016	0.26	<0.1	0.04	6.3	0.1	<0.05	8	<0.5	<0.2
22600 89250	Soil	15	30	0.76	390	0.115	1	1.87	0.018	0.18	<0.1	0.01	5.3	0.1	<0.05	6	0.6	<0.2
22600 89300	Soil	26	36	1.19	611	0.127	3	1.95	0.021	0.30	<0.1	0.03	9.0	0.1	<0.05	7	0.7	<0.2
22600 89350	Soil	10	20	1.04	264	0.149	4	1.96	0.019	0.42	<0.1	<0.01	5.4	0.1	<0.05	7	0.6	<0.2
22600 89400	Soil	34	36	1.84	449	0.136	2	2.61	0.019	0.24	0.1	<0.01	11.5	0.1	<0.05	10	0.7	<0.2
22600 89450	Soil	10	31	1.32	331	0.228	2	2.54	0.028	0.70	<0.1	<0.01	5.0	0.2	<0.05	9	0.6	<0.2
22600 89600	Soil	10	13	0.74	114	0.108	1	1.17	0.009	0.11	<0.1	<0.01	6.1	<0.1	<0.05	6	0.8	<0.2
22600 89700	Soil	13	26	1.24	213	0.166	<1	1.92	0.014	0.33	0.1	<0.01	8.4	0.2	<0.05	8	<0.5	<0.2
22600 90050	Soil	12	97	4.67	643	0.306	1	4.73	0.042	1.49	0.1	<0.01	11.0	0.6	<0.05	14	<0.5	<0.2
22600 90100	Soil	16	49	1.20	254	0.247	2	2.97	0.019	0.50	<0.1	<0.01	6.1	0.2	<0.05	9	0.9	<0.2
22600 90150	Soil	11	127	3.00	450	0.334	1	3.20	0.038	1.14	<0.1	<0.01	5.7	0.5	<0.05	12	<0.5	<0.2
22600 90250	Soil	14	224	5.05	758	0.363	1	4.97	0.030	1.73	<0.1	<0.01	11.6	0.5	<0.05	14	<0.5	0.3
22600 90300	Soil	10	137	3.93	610	0.281	1	3.92	0.040	1.20	<0.1	<0.01	9.2	0.4	<0.05	13	<0.5	<0.2
22600 90350	Soil	11	132	2.09	314	0.213	<1	3.15	0.027	0.70	<0.1	<0.01	6.8	0.3	<0.05	9	<0.5	<0.2
22600 90400	Soil	12	93	1.67	237	0.112	2	2.36	0.032	0.21	0.1	0.01	8.0	<0.1	<0.05	8	<0.5	<0.2
22600 90450	Soil	11	39	1.09	161	0.066	1	2.47	0.014	0.10	0.1	<0.01	7.9	<0.1	<0.05	10	<0.5	<0.2
22600 90550	Soil	24	6	0.74	929	0.008	<1	1.91	0.010	0.10	<0.1	<0.01	5.2	<0.1	<0.05	8	<0.5	<0.2
22600 90600	Soil	31	22	1.32	188	0.237	1	2.45	0.025	0.38	<0.1	<0.01	3.2	0.2	<0.05	10	0.6	<0.2
22600 90650	Soil	19	16	1.53	290	0.215	<1	2.60	0.018	0.67	<0.1	<0.01	2.5	0.2	<0.05	10	<0.5	0.4
22600 90700	Soil	10	21	1.23	196	0.200	<1	2.92	0.018	0.41	<0.1	<0.01	2.6	0.2	<0.05	11	<0.5	<0.2
22600 90750	Soil	10	21	0.78	205	0.136	1	2.21	0.018	0.14	0.1	0.01	2.5	<0.1	<0.05	9	0.7	0.2
22600 90800	Soil	14	21	0.77	183	0.117	1	1.80	0.025	0.14	0.2	<0.01	2.7	<0.1	<0.05	7	0.8	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22700 88450	Soil	1.2	24.3	100.7	361	0.1	79.7	17.5	606	3.65	11.6	1.0	4.0	11.1	54	0.8	0.1	0.2	59	0.57	0.171
22700 88500	Soil	1.9	8.9	8.6	106	<0.1	12.5	14.1	912	5.31	3.0	0.6	2.0	2.8	15	0.2	0.2	0.1	55	0.42	0.059
22700 88550	Soil	0.7	41.4	5.4	87	<0.1	9.1	15.3	561	3.79	4.3	0.4	2.3	2.6	12	<0.1	0.2	0.1	83	0.30	0.083
22700 88600	Soil	1.2	19.3	4.5	84	<0.1	13.5	11.0	534	3.25	3.6	0.3	3.1	1.6	15	<0.1	0.1	<0.1	57	0.24	0.040
22700 88650	Soil	1.0	22.6	5.7	65	<0.1	25.1	16.4	382	3.83	5.9	0.3	305.3	1.5	13	<0.1	0.3	0.1	82	0.22	0.032
22700 88700	Soil	1.3	38.2	10.2	77	<0.1	21.1	12.8	383	3.28	8.0	0.6	4.5	3.2	26	0.2	0.1	0.1	72	0.50	0.161
22700 88750	Soil	0.9	21.7	3.8	80	<0.1	8.7	12.3	494	3.72	3.5	0.4	1.8	1.4	14	<0.1	<0.1	<0.1	93	0.25	0.066
22700 88900	Soil	0.9	13.9	5.4	65	<0.1	11.5	10.3	354	2.96	5.3	0.5	2.0	2.3	13	<0.1	0.2	<0.1	62	0.23	0.048
22700 89000	Soil	1.1	20.0	3.9	84	<0.1	6.1	15.6	535	4.16	8.2	0.3	2.1	1.2	14	<0.1	<0.1	<0.1	91	0.48	0.101
22700 89050	Soil	0.7	23.9	4.5	72	0.1	44.1	16.5	534	3.43	2.6	1.2	2.6	3.7	45	<0.1	0.1	<0.1	78	0.63	0.172
22700 89100	Soil	0.6	15.9	3.9	73	<0.1	29.5	15.7	509	3.34	2.6	0.5	<0.5	2.6	27	<0.1	0.1	<0.1	81	0.49	0.116
22700 89150	Soil	0.6	16.8	2.8	88	<0.1	13.9	16.5	528	3.27	1.6	0.4	<0.5	2.1	13	<0.1	<0.1	<0.1	91	0.35	0.088
22700 89200	Soil	1.1	19.4	11.7	79	0.1	16.4	10.1	456	2.89	3.3	0.5	1.8	1.9	16	0.2	0.1	<0.1	68	0.39	0.070
22700 89250	Soil	1.8	24.0	16.4	72	0.2	16.3	11.4	413	3.03	4.5	0.8	8.1	2.8	15	0.2	0.2	<0.1	63	0.32	0.061
22700 89300	Soil	1.2	19.9	6.9	66	0.2	14.8	11.1	462	2.57	4.7	0.6	2.6	2.5	16	0.1	0.1	<0.1	59	0.32	0.059
22700 89350	Soil	1.1	13.1	3.4	84	0.2	15.4	14.8	732	2.28	4.2	0.4	1.3	2.0	12	<0.1	<0.1	<0.1	56	0.36	0.081
22700 89400	Soil	0.8	14.1	4.5	87	0.2	13.3	10.1	1081	2.08	5.2	0.3	1.5	2.0	20	<0.1	0.2	<0.1	49	0.50	0.056
22700 89450	Soil	0.2	7.3	1.2	98	<0.1	8.6	11.9	663	1.57	7.6	0.2	<0.5	2.8	9	<0.1	0.1	<0.1	32	0.20	0.036
22700 89500	Soil	0.3	4.3	2.3	67	<0.1	7.8	8.7	449	1.69	3.6	0.1	<0.5	1.9	4	<0.1	0.2	<0.1	40	0.07	0.028
22700 89550	Soil	0.4	11.9	3.2	70	<0.1	35.1	17.5	380	2.83	2.9	0.2	4.8	1.3	12	<0.1	<0.1	<0.1	83	0.25	0.054
22700 89600	Soil	1.3	37.5	5.6	49	<0.1	30.4	14.1	275	2.60	4.6	0.3	2.9	1.5	12	<0.1	0.1	<0.1	68	0.27	0.046
22700 89750	Soil	4.3	33.6	5.4	35	0.3	21.0	7.7	133	1.95	2.2	0.5	1.5	0.4	17	<0.1	<0.1	<0.1	53	0.19	0.046
22700 89900	Soil	2.1	17.4	6.4	57	0.2	23.2	9.9	327	2.91	4.9	0.4	<0.5	1.7	14	<0.1	0.1	<0.1	70	0.24	0.052
22700 89950	Soil	7.5	60.1	5.6	45	<0.1	65.8	22.6	355	3.61	1.6	0.2	0.6	0.7	7	<0.1	<0.1	<0.1	101	0.20	0.045
22700 90000	Soil	1.8	24.4	6.9	70	0.1	26.5	12.2	422	3.01	4.5	0.3	1.1	1.8	10	<0.1	0.1	<0.1	68	0.15	0.056
22700 90050	Soil	0.8	66.7	10.7	153	<0.1	121.8	28.6	831	4.46	1.7	0.9	<0.5	5.9	58	<0.1	0.1	<0.1	136	0.70	0.185
22700 90100	Soil	1.0	34.3	9.7	46	<0.1	35.4	12.1	244	2.44	5.9	0.4	1.7	2.2	15	<0.1	0.3	0.1	65	0.22	0.050
22700 90150	Soil	1.0	53.3	11.3	46	0.2	32.2	11.5	246	2.49	5.8	0.6	4.1	2.3	19	<0.1	0.2	0.2	65	0.25	0.046
22700 90250	Soil	0.5	25.5	4.8	48	0.2	20.9	9.1	517	1.90	1.7	0.2	4.6	0.8	11	<0.1	<0.1	<0.1	58	0.30	0.053
22700 90300	Soil	0.1	71.4	3.5	100	<0.1	29.7	20.3	680	3.53	<0.5	0.4	4.4	3.3	12	<0.1	<0.1	<0.1	78	0.70	0.234



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22700 88450	Soil	51	149	1.47	580	0.008	1	2.01	0.009	0.11	<0.1	0.02	4.3	<0.1	<0.05	8	0.6	<0.2
22700 88500	Soil	11	17	0.39	424	0.011	2	1.29	0.009	0.24	<0.1	0.01	9.0	<0.1	<0.05	5	<0.5	<0.2
22700 88550	Soil	9	12	1.27	231	0.044	1	2.26	0.008	0.18	<0.1	0.01	6.1	<0.1	<0.05	9	<0.5	<0.2
22700 88600	Soil	4	30	1.23	259	0.183	<1	2.18	0.007	0.70	<0.1	<0.01	1.2	0.3	<0.05	7	<0.5	<0.2
22700 88650	Soil	5	76	1.16	178	0.153	1	2.10	0.010	0.36	0.2	0.01	4.1	0.2	<0.05	6	<0.5	<0.2
22700 88700	Soil	12	35	1.00	300	0.113	<1	1.77	0.013	0.46	<0.1	<0.01	2.9	0.2	<0.05	5	<0.5	<0.2
22700 88750	Soil	7	16	1.13	319	0.300	<1	2.18	0.007	0.89	0.1	<0.01	2.0	0.3	<0.05	6	<0.5	<0.2
22700 88900	Soil	8	22	0.73	170	0.110	<1	1.74	0.007	0.14	<0.1	0.01	2.3	0.1	<0.05	6	<0.5	<0.2
22700 89000	Soil	5	8	1.42	295	0.277	<1	2.46	0.007	0.81	<0.1	0.01	2.5	0.4	<0.05	6	<0.5	<0.2
22700 89050	Soil	26	60	1.49	429	0.130	<1	1.95	0.013	0.27	<0.1	0.03	6.0	0.2	<0.05	7	<0.5	<0.2
22700 89100	Soil	12	41	1.45	237	0.137	<1	1.88	0.010	0.31	<0.1	<0.01	4.8	0.2	<0.05	7	<0.5	<0.2
22700 89150	Soil	9	26	1.53	249	0.109	<1	1.83	0.008	0.29	<0.1	<0.01	6.4	0.1	<0.05	8	<0.5	<0.2
22700 89200	Soil	10	33	0.79	246	0.084	<1	1.45	0.013	0.12	<0.1	0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
22700 89250	Soil	13	30	0.77	238	0.098	<1	1.73	0.010	0.14	<0.1	0.02	4.5	0.1	<0.05	6	<0.5	<0.2
22700 89300	Soil	11	30	0.85	210	0.104	<1	1.55	0.011	0.13	<0.1	0.01	3.8	0.1	<0.05	6	<0.5	<0.2
22700 89350	Soil	9	33	1.27	170	0.105	<1	1.54	0.012	0.22	<0.1	<0.01	6.4	0.1	<0.05	6	<0.5	<0.2
22700 89400	Soil	10	21	0.81	230	0.099	1	1.32	0.010	0.30	<0.1	<0.01	4.9	0.1	<0.05	6	<0.5	<0.2
22700 89450	Soil	9	11	1.02	103	0.096	<1	1.26	0.004	0.16	<0.1	<0.01	6.8	0.1	<0.05	5	<0.5	<0.2
22700 89500	Soil	7	13	0.73	102	0.075	<1	1.14	0.004	0.05	<0.1	<0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
22700 89550	Soil	7	85	2.19	149	0.134	<1	2.27	0.009	0.23	<0.1	<0.01	4.8	0.1	<0.05	8	<0.5	<0.2
22700 89600	Soil	7	59	1.10	171	0.111	<1	1.94	0.013	0.11	<0.1	<0.01	2.5	0.1	<0.05	6	<0.5	<0.2
22700 89750	Soil	7	47	0.67	156	0.084	<1	1.32	0.029	0.16	<0.1	0.02	2.1	0.1	0.14	5	<0.5	<0.2
22700 89900	Soil	8	49	0.93	152	0.120	<1	1.82	0.012	0.12	<0.1	0.01	3.2	0.1	<0.05	6	<0.5	<0.2
22700 89950	Soil	4	138	1.98	98	0.144	<1	2.59	0.023	0.23	<0.1	<0.01	3.1	0.1	<0.05	7	<0.5	<0.2
22700 90000	Soil	8	62	0.90	135	0.106	<1	1.76	0.010	0.14	<0.1	0.01	3.3	0.1	<0.05	7	<0.5	<0.2
22700 90050	Soil	28	276	3.10	798	0.289	<1	2.98	0.019	1.09	<0.1	<0.01	6.1	0.8	<0.05	9	<0.5	<0.2
22700 90100	Soil	7	60	0.84	140	0.115	2	1.81	0.013	0.06	0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
22700 90150	Soil	9	65	0.75	214	0.102	2	2.10	0.014	0.05	<0.1	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
22700 90250	Soil	5	57	0.84	122	0.108	<1	1.34	0.019	0.13	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
22700 90300	Soil	13	73	2.07	263	0.114	<1	2.11	0.021	0.38	<0.1	<0.01	5.5	0.2	<0.05	9	<0.5	<0.2



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Project: Mariposa
Report Date: September 21, 2010

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CERTIFICATE OF ANALYSIS

WHI10000329.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22700 90350	Soil	0.3	16.7	1.9	85	<0.1	5.6	6.8	743	3.79	1.5	0.5	10.7	2.9	10	<0.1	<0.1	<0.1	71	0.34	0.125
22700 90400	Soil	0.4	14.1	4.4	55	<0.1	8.6	7.9	361	2.91	2.7	0.3	3.5	1.5	9	<0.1	<0.1	<0.1	78	0.19	0.074
22700 90450	Soil	1.6	13.8	7.6	62	0.1	8.8	10.8	1290	2.74	4.9	0.6	4.9	1.8	13	<0.1	0.2	0.1	58	0.13	0.084
22700 90500	Soil	0.5	11.8	6.7	51	<0.1	15.4	8.7	435	2.50	5.8	1.0	2.4	3.8	24	<0.1	0.2	<0.1	51	0.32	0.047
22700 90550	Soil	0.8	7.1	6.6	71	<0.1	10.5	8.4	501	3.30	7.0	0.2	0.7	0.9	18	<0.1	0.2	<0.1	68	0.25	0.110
22700 90600	Soil	0.2	3.9	4.1	80	<0.1	7.7	11.3	639	3.46	3.4	0.4	0.6	1.9	56	<0.1	<0.1	<0.1	75	0.71	0.163
22700 90650	Soil	0.5	7.1	6.1	88	<0.1	10.8	11.3	793	3.13	5.7	0.5	1.1	2.2	49	<0.1	0.2	<0.1	61	0.52	0.153
22700 90700	Soil	0.5	5.7	6.5	91	<0.1	7.3	9.2	750	2.73	4.1	0.4	1.2	2.6	42	<0.1	0.1	<0.1	58	0.53	0.166
22700 90750	Soil	0.6	8.7	7.8	71	<0.1	9.2	8.3	492	2.50	5.0	0.5	1.8	0.7	46	<0.1	0.2	0.1	57	0.38	0.091
22700 90800	Soil	0.5	8.0	6.0	92	<0.1	12.5	11.0	612	3.22	5.3	0.5	1.7	1.8	44	<0.1	0.2	<0.1	70	0.52	0.140
24300 89300	Soil	0.6	35.5	8.0	69	<0.1	24.6	20.7	638	3.70	7.1	0.4	6.2	2.6	19	0.1	0.4	0.1	72	0.24	0.048
24500 89250	Soil	0.4	19.8	3.5	163	<0.1	13.2	24.7	1151	5.04	2.9	0.4	0.7	1.9	15	0.1	0.2	<0.1	121	0.51	0.171
24500 89300	Soil	0.4	37.0	11.4	92	<0.1	8.7	12.9	908	4.23	1.9	0.7	88.8	5.1	15	<0.1	0.2	0.2	44	0.36	0.065
24600 89250	Soil	0.8	21.4	8.7	47	0.1	17.6	8.4	242	3.04	8.1	0.4	2.7	2.3	18	<0.1	0.4	0.2	66	0.23	0.025
24600 89450	Soil	1.0	26.0	30.9	125	<0.1	21.2	14.9	800	3.79	4.9	0.5	8.9	3.3	26	0.2	0.3	0.2	80	0.39	0.073
24600 89600	Soil	4.6	28.6	20.0	150	0.2	32.2	16.9	969	3.99	7.1	0.8	28.9	5.8	42	0.3	0.3	0.4	63	0.68	0.128
24600 89650	Soil	1.7	30.0	18.9	128	0.2	24.3	17.4	1128	3.36	5.3	1.1	9.3	3.5	39	0.2	0.4	0.2	61	0.65	0.105
24600 89700	Soil	2.4	25.8	17.6	143	0.2	19.8	11.3	566	2.92	6.1	0.7	7.3	4.1	31	0.5	0.3	0.3	53	0.54	0.080
24600 89750	Soil	2.2	43.8	14.2	203	0.2	14.0	9.4	437	3.00	4.0	1.1	3.7	7.4	26	0.7	0.2	0.4	47	0.39	0.088
24600 89800	Soil	4.1	82.8	17.2	246	0.2	14.2	10.1	456	3.46	5.5	1.4	6.3	8.7	22	0.8	0.2	1.0	46	0.31	0.100
24700 89250	Soil	0.7	26.6	7.4	64	0.1	47.6	14.4	514	3.64	5.6	0.5	2.0	2.4	24	<0.1	0.3	0.1	77	0.42	0.043
24700 89300	Soil	0.5	38.0	7.2	112	<0.1	13.1	21.6	535	5.58	6.4	0.5	2.4	2.0	27	<0.1	0.2	<0.1	118	0.44	0.071
24800 89300	Soil	0.6	30.9	10.4	66	0.1	21.4	11.9	443	2.98	7.5	0.6	2.6	2.5	29	0.1	0.4	0.2	70	0.40	0.074



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

WHI10000329.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22700 90350	Soil	14	10	0.90	203	0.084	<1	1.89	0.007	0.57	<0.1	<0.01	6.9	0.2	<0.05	9	<0.5	<0.2
22700 90400	Soil	7	24	0.73	99	0.091	<1	1.52	0.009	0.10	<0.1	0.01	4.6	<0.1	<0.05	7	<0.5	<0.2
22700 90450	Soil	12	21	0.41	112	0.048	<1	1.46	0.007	0.11	<0.1	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
22700 90500	Soil	15	28	0.62	320	0.049	<1	1.64	0.011	0.05	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
22700 90550	Soil	5	22	0.72	119	0.077	<1	2.10	0.007	0.19	<0.1	0.01	1.8	<0.1	<0.05	8	<0.5	<0.2
22700 90600	Soil	6	13	1.20	189	0.109	<1	2.71	0.016	0.07	<0.1	<0.01	3.2	<0.1	<0.05	10	<0.5	<0.2
22700 90650	Soil	10	16	0.92	275	0.108	1	2.17	0.014	0.18	<0.1	<0.01	2.9	<0.1	<0.05	8	<0.5	<0.2
22700 90700	Soil	10	12	0.81	151	0.103	1	1.82	0.014	0.15	<0.1	0.01	2.8	<0.1	<0.05	9	<0.5	<0.2
22700 90750	Soil	10	17	0.63	163	0.070	<1	1.83	0.013	0.07	0.1	0.03	2.1	<0.1	<0.05	7	<0.5	<0.2
22700 90800	Soil	6	17	0.97	201	0.121	<1	2.33	0.014	0.18	<0.1	0.02	2.6	0.1	<0.05	9	<0.5	<0.2
24300 89300	Soil	7	36	1.05	206	0.114	<1	2.57	0.010	0.12	0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
24500 89250	Soil	7	27	1.80	352	0.190	<1	3.02	0.027	0.81	<0.1	<0.01	10.6	0.3	<0.05	11	<0.5	<0.2
24500 89300	Soil	19	11	1.08	378	0.005	<1	2.19	0.008	0.11	<0.1	0.02	6.7	<0.1	<0.05	8	<0.5	<0.2
24600 89250	Soil	8	31	0.62	154	0.062	<1	1.97	0.016	0.05	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
24600 89450	Soil	9	33	1.13	179	0.155	<1	2.20	0.013	0.15	0.2	0.02	3.4	<0.1	<0.05	7	<0.5	<0.2
24600 89600	Soil	15	44	1.04	344	0.122	<1	1.89	0.015	0.23	0.1	0.03	5.0	0.2	<0.05	7	<0.5	<0.2
24600 89650	Soil	18	34	0.90	369	0.094	<1	1.80	0.014	0.09	0.1	0.03	4.8	0.1	<0.05	7	<0.5	0.2
24600 89700	Soil	15	30	0.72	317	0.086	<1	1.73	0.015	0.11	0.1	0.02	3.6	0.1	<0.05	6	<0.5	0.2
24600 89750	Soil	19	22	0.70	281	0.099	<1	1.72	0.012	0.25	<0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
24600 89800	Soil	14	26	0.66	203	0.113	<1	1.73	0.011	0.31	<0.1	0.02	3.2	0.2	<0.05	7	<0.5	0.5
24700 89250	Soil	8	88	1.35	272	0.202	1	2.49	0.011	0.30	0.2	0.02	3.4	0.3	<0.05	7	<0.5	<0.2
24700 89300	Soil	10	21	1.70	328	0.333	<1	3.68	0.011	1.19	0.1	0.01	4.2	0.7	<0.05	11	<0.5	<0.2
24800 89300	Soil	12	30	0.77	244	0.115	2	2.13	0.015	0.08	0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2



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Project: Mariposa

Report Date: September 21, 2010

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QUALITY CONTROL REPORT

WHI10000329.1

Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																				
25250 89450	Soil	2.3	21.7	11.7	61	<0.1	19.8	7.0	216	2.84	7.8	0.7	4.7	7.9	28	0.1	0.5	0.2	49	0.11
REP 25250 89450	QC	2.3	21.2	12.5	57	<0.1	19.6	6.8	206	2.82	7.6	0.7	4.3	8.3	24	0.1	0.5	0.2	47	0.11
25150 89850	Soil	3.0	30.6	9.7	60	<0.1	15.6	7.3	284	2.79	6.6	0.8	16.9	5.5	23	<0.1	0.4	0.2	59	0.28
REP 25150 89850	QC	3.1	29.7	10.1	60	<0.1	14.5	6.9	278	2.74	6.8	0.9	33.3	5.6	23	<0.1	0.4	0.2	55	0.27
25650 89650	Soil	3.8	74.3	13.3	78	0.8	13.9	7.3	502	3.05	7.0	0.6	32.8	4.0	16	0.6	0.6	0.4	51	0.15
REP 25650 89650	QC	3.8	71.7	12.8	81	0.7	14.3	7.1	499	3.07	7.7	0.5	17.6	4.1	15	0.5	0.7	0.4	50	0.15
25550 89250	Soil	0.9	126.1	7.0	139	<0.1	5.7	10.7	529	4.38	1.8	0.8	3.6	5.5	20	<0.1	0.1	0.7	71	0.34
REP 25550 89250	QC	0.9	121.8	6.6	137	<0.1	5.1	10.5	526	4.30	1.7	0.8	4.6	5.5	19	<0.1	0.1	0.7	69	0.33
22900 88600	Soil	0.4	26.9	3.5	148	<0.1	9.7	22.6	1019	6.35	2.5	0.6	1.2	3.2	30	<0.1	<0.1	<0.1	128	0.83
REP 22900 88600	QC	0.5	26.2	3.5	147	<0.1	9.7	22.9	1066	6.59	2.6	0.6	0.8	3.1	32	<0.1	<0.1	<0.1	134	0.83
22900 89600	Soil	0.7	7.8	7.2	61	<0.1	9.5	9.1	515	2.40	6.5	0.4	0.7	3.6	12	<0.1	0.3	0.2	58	0.17
REP 22900 89600	QC	0.7	8.3	7.8	67	<0.1	10.2	9.9	573	2.55	7.2	0.5	<0.5	4.0	13	<0.1	0.3	0.2	62	0.17
22800 89200	Soil	1.1	20.7	7.0	78	0.1	16.2	11.6	575	2.99	4.5	0.8	1.4	2.8	21	0.1	0.2	<0.1	64	0.38
REP 22800 89200	QC	1.3	21.1	6.7	73	0.2	15.6	11.4	558	2.83	4.4	0.7	1.1	2.8	21	0.1	0.2	0.1	65	0.39
22800 89550	Soil	2.1	35.9	11.4	73	0.2	9.6	10.4	835	5.54	8.4	1.1	<0.5	2.3	54	0.1	0.2	0.3	133	0.13
REP 22800 89550	QC	2.1	35.8	10.8	69	0.2	8.9	10.3	774	5.58	8.3	1.1	1.9	2.5	55	<0.1	0.2	0.2	125	0.14
22600 88950	Soil	1.2	21.8	7.8	77	0.1	12.9	11.5	417	3.64	11.0	0.5	4.6	1.8	21	0.1	0.3	0.1	86	0.33
REP 22600 88950	QC	1.0	22.0	8.0	79	<0.1	12.4	11.4	413	3.66	11.0	0.5	3.7	1.8	21	<0.1	0.2	0.1	85	0.33
22600 90700	Soil	0.8	3.8	6.3	95	<0.1	13.6	13.4	884	3.67	3.4	0.4	<0.5	3.3	52	<0.1	0.1	<0.1	89	0.61
REP 22600 90700	QC	0.7	4.2	7.5	95	<0.1	12.4	13.8	870	3.66	3.4	0.4	<0.5	3.1	51	<0.1	0.1	<0.1	87	0.57
22700 89100	Soil	0.6	15.9	3.9	73	<0.1	29.5	15.7	509	3.34	2.6	0.5	<0.5	2.6	27	<0.1	0.1	<0.1	81	0.49
REP 22700 89100	QC	0.6	15.9	4.1	74	<0.1	29.1	16.0	516	3.36	2.8	0.5	<0.5	2.6	29	<0.1	<0.1	<0.1	81	0.49
22700 90000	Soil	1.8	24.4	6.9	70	0.1	26.5	12.2	422	3.01	4.5	0.3	1.1	1.8	10	<0.1	0.1	<0.1	68	0.15
REP 22700 90000	QC	1.9	24.5	6.9	70	0.1	27.8	12.5	442	3.04	4.4	0.3	<0.5	1.8	10	<0.1	0.2	<0.1	70	0.15
24600 89250	Soil	0.8	21.4	8.7	47	0.1	17.6	8.4	242	3.04	8.1	0.4	2.7	2.3	18	<0.1	0.4	0.2	66	0.23
REP 24600 89250	QC	0.9	21.0	8.7	52	0.1	17.5	8.2	248	2.95	8.0	0.4	1.6	2.3	17	<0.1	0.4	0.2	68	0.23
Reference Materials																				
STD DS7	Standard	21.8	114.8	68.1	414	1.0	53.7	9.2	649	2.49	55.3	4.8	78.7	4.8	83	7.2	6.6	4.8	82	0.95



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Project: Mariposa

Report Date: September 21, 2010

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
25250 89450	Soil	12	31	0.37	232	0.038	<1	2.87	0.009	0.09	<0.1	0.01	3.4	0.1	<0.05	6	<0.5	<0.2
REP 25250 89450	QC	13	32	0.37	234	0.044	<1	2.83	0.008	0.09	<0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
25150 89850	Soil	22	27	0.49	320	0.073	<1	1.82	0.011	0.07	<0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
REP 25150 89850	QC	22	27	0.50	337	0.071	<1	1.85	0.011	0.07	0.1	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
25650 89650	Soil	13	22	0.28	211	0.020	2	1.89	0.007	0.10	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
REP 25650 89650	QC	13	23	0.29	214	0.020	2	1.95	0.007	0.10	0.1	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
25550 89250	Soil	14	7	1.01	424	0.307	<1	2.46	0.012	1.00	0.6	<0.01	2.8	0.5	<0.05	8	<0.5	<0.2
REP 25550 89250	QC	14	8	1.02	430	0.297	<1	2.44	0.010	1.03	0.6	<0.01	2.7	0.5	<0.05	8	<0.5	<0.2
22900 88600	Soil	9	24	2.17	389	0.071	<1	3.23	0.028	0.20	<0.1	<0.01	12.7	<0.1	<0.05	13	0.5	<0.2
REP 22900 88600	QC	9	25	2.09	392	0.076	1	3.24	0.024	0.21	<0.1	0.01	12.3	<0.1	<0.05	13	<0.5	<0.2
22900 89600	Soil	11	21	0.62	115	0.116	1	1.44	0.009	0.19	0.1	0.01	4.0	0.2	<0.05	7	<0.5	<0.2
REP 22900 89600	QC	11	23	0.71	124	0.126	1	1.65	0.009	0.21	0.2	0.01	4.5	0.2	<0.05	8	<0.5	<0.2
22800 89200	Soil	13	32	1.01	278	0.138	1	1.73	0.017	0.15	<0.1	0.01	6.5	0.1	<0.05	7	<0.5	<0.2
REP 22800 89200	QC	13	31	1.03	290	0.139	<1	1.78	0.018	0.16	<0.1	0.01	6.5	0.1	<0.05	7	<0.5	<0.2
22800 89550	Soil	15	37	1.05	329	0.243	1	1.81	0.072	0.44	<0.1	<0.01	6.3	0.2	0.54	9	<0.5	<0.2
REP 22800 89550	QC	15	35	0.96	335	0.239	<1	1.58	0.069	0.43	<0.1	0.01	6.2	0.2	0.54	9	<0.5	<0.2
22600 88950	Soil	7	22	1.03	267	0.190	1	2.29	0.014	0.36	0.1	<0.01	2.9	0.2	<0.05	7	<0.5	<0.2
REP 22600 88950	QC	7	24	1.00	269	0.191	1	2.28	0.016	0.36	0.1	0.01	2.9	0.2	<0.05	7	0.7	<0.2
22600 90700	Soil	10	21	1.23	196	0.200	<1	2.92	0.018	0.41	<0.1	<0.01	2.6	0.2	<0.05	11	<0.5	<0.2
REP 22600 90700	QC	11	21	1.19	198	0.194	<1	2.82	0.018	0.39	<0.1	<0.01	2.8	0.1	<0.05	11	<0.5	0.2
22700 89100	Soil	12	41	1.45	237	0.137	<1	1.88	0.010	0.31	<0.1	<0.01	4.8	0.2	<0.05	7	<0.5	<0.2
REP 22700 89100	QC	12	41	1.47	247	0.140	<1	1.93	0.011	0.30	0.1	0.02	4.8	0.2	<0.05	8	<0.5	<0.2
22700 90000	Soil	8	62	0.90	135	0.106	<1	1.76	0.010	0.14	<0.1	0.01	3.3	0.1	<0.05	7	<0.5	<0.2
REP 22700 90000	QC	9	64	0.92	138	0.109	<1	1.79	0.011	0.14	<0.1	<0.01	3.5	0.1	<0.05	7	<0.5	<0.2
24600 89250	Soil	8	31	0.62	154	0.062	<1	1.97	0.016	0.05	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
REP 24600 89250	QC	8	32	0.61	151	0.062	<1	1.97	0.011	0.05	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	14	176	1.04	418	0.126	40	1.02	0.122	0.50	3.8	0.21	2.9	4.0	0.20	5	3.6	0.8



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Project: Mariposa

Report Date: September 21, 2010

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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS7	Standard	20.4	116.5	69.0	395	1.0	53.7	9.0	621	2.32	52.9	5.0	89.6	4.9	79	6.9	6.3	5.0	81	0.94	0.077
STD DS7	Standard	20.3	108.9	67.6	400	1.0	54.6	9.1	633	2.38	51.7	4.6	65.0	4.3	77	6.3	5.7	4.7	84	0.93	0.081
STD DS7	Standard	20.0	117.1	71.9	390	1.0	53.6	9.4	625	2.31	52.6	5.0	75.3	4.7	73	6.8	6.3	5.0	73	0.92	0.082
STD DS7	Standard	20.4	106.2	73.4	397	1.0	54.6	8.8	582	2.29	49.3	5.2	66.6	4.9	72	6.1	5.9	4.8	83	0.89	0.072
STD DS7	Standard	19.9	84.6	55.9	350	0.9	53.1	8.4	545	2.10	44.7	4.1	67.5	3.8	59	5.3	4.7	3.7	80	0.84	0.070
STD DS7	Standard	21.8	112.0	69.7	415	1.0	57.7	9.6	651	2.49	56.7	5.0	60.5	4.7	87	6.7	6.7	5.0	88	1.06	0.086
STD DS7	Standard	21.8	112.7	82.0	409	1.2	59.0	9.2	607	2.34	52.5	5.6	75.8	5.3	81	6.4	6.7	5.2	85	0.94	0.077
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

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		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS7	Standard	14	173	1.03	398	0.125	40	1.01	0.106	0.50	3.7	0.20	2.7	4.0	0.16	5	3.0	1.0
STD DS7	Standard	13	190	1.04	409	0.121	40	1.03	0.106	0.46	3.7	0.22	2.4	4.2	0.22	5	3.4	1.6
STD DS7	Standard	12	166	1.09	367	0.122	42	1.04	0.105	0.48	3.5	0.23	2.6	4.0	0.17	5	3.3	1.0
STD DS7	Standard	12	185	1.07	380	0.115	39	0.98	0.094	0.45	3.6	0.22	2.5	4.2	0.19	4	2.9	1.7
STD DS7	Standard	12	175	0.96	326	0.095	36	0.91	0.086	0.41	3.6	0.20	1.8	3.8	0.18	4	3.1	0.8
STD DS7	Standard	14	197	1.11	434	0.131	44	1.11	0.102	0.47	3.7	0.23	2.6	4.1	0.20	5	2.8	1.8
STD DS7	Standard	13	196	1.02	411	0.129	38	1.00	0.096	0.46	3.7	0.22	2.5	4.3	0.22	4	2.8	0.8
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: September 13, 2010

Report Date: October 05, 2010

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CERTIFICATE OF ANALYSIS

WHI10000395.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-13
P.O. Number
Number of Samples: 213

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
PICKUP-RJT Client to Pickup Rejects

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
John Brock
Michael Renning

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	213	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	213	Dry at 60C			WHI
RJSV	213	Saving all or part of Soil Reject			WHI
1DX2	213	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
Report Date: October 05, 2010

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CERTIFICATE OF ANALYSIS

WHI10000395.1

		Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
MT1-01	Soil	1.9	153.7	11.9	95	0.3	134.5	23.7	665	4.36	5.6	1.2	28.6	10.4	239	<0.1	0.3	0.3	85	1.14	0.360	
MT1-02	Soil	2.0	76.9	20.2	91	<0.1	25.2	10.6	541	3.64	7.1	1.0	127.8	7.0	30	0.2	0.5	0.7	52	0.32	0.056	
MT1-03	Soil	3.9	256.1	45.1	202	0.3	9.5	14.9	1115	4.63	3.2	1.2	519.2	8.4	68	0.3	0.4	1.0	40	0.46	0.092	
MT1-04	Soil	3.9	289.5	428.6	476	0.5	8.9	17.0	1981	4.88	4.1	1.2	8.6	8.4	67	1.5	0.4	1.9	47	0.44	0.104	
MT1-05	Soil	5.4	348.0	57.2	246	1.0	15.0	18.7	1527	5.31	6.7	1.4	8.9	8.2	34	0.8	0.4	1.2	57	0.26	0.071	
MT1-06	Soil	2.1	74.8	22.7	94	1.3	20.0	10.0	392	3.31	9.7	0.7	13.0	4.7	17	0.3	0.6	0.4	65	0.14	0.027	
MT1-07	Soil	2.7	154.4	27.9	119	0.5	16.8	12.5	621	4.42	5.5	1.1	10.9	6.7	20	0.2	0.4	0.7	60	0.20	0.037	
MT1-08	Soil	2.9	257.0	51.1	212	0.1	7.7	14.9	1104	5.42	3.4	1.0	40.7	7.9	48	0.2	0.3	1.1	63	0.31	0.061	
MT1-09	Soil	4.2	201.0	48.9	165	0.4	5.3	12.7	1233	5.22	3.3	1.2	742.5	7.1	97	0.3	0.9	0.9	42	0.21	0.062	
MT1-10	Soil	7.0	151.1	39.8	140	0.2	7.2	12.1	479	4.27	4.6	1.0	103.7	6.8	20	0.3	1.3	1.0	37	0.09	0.022	
MT1-11	Soil	3.4	168.5	35.1	158	0.2	5.1	8.4	427	4.51	4.9	0.9	44.2	6.0	15	0.4	2.2	1.5	38	0.09	0.025	
MT1-12	Soil	2.4	167.2	40.3	134	0.1	15.4	8.9	471	4.16	5.8	1.1	84.5	7.3	25	0.2	0.6	0.8	58	0.27	0.019	
MT1-13	Soil	3.3	113.6	21.3	105	<0.1	8.8	6.1	468	3.15	3.9	0.9	32.4	6.9	21	0.3	0.9	0.8	31	0.18	0.026	
MT2-01	Soil	6.9	22.1	10.8	66	<0.1	16.7	8.5	422	3.25	7.2	0.7	59.0	3.6	17	0.3	0.4	0.5	53	0.18	0.048	
MT2-02	Soil	2.6	34.4	11.7	67	0.2	25.1	9.7	368	2.96	7.6	0.8	25.0	1.4	28	0.2	0.4	0.2	60	0.38	0.054	
MT2-03	Soil	1.9	40.8	9.9	63	0.2	27.1	9.8	391	2.95	9.8	1.0	16.9	4.2	26	<0.1	0.5	0.2	61	0.31	0.044	
MT2-04	Soil	5.5	43.5	11.1	67	0.2	12.6	7.6	444	2.83	4.7	0.8	410.6	5.1	19	0.1	0.7	0.3	45	0.19	0.023	
MT2-05	Soil	5.1	29.7	10.6	104	<0.1	15.6	8.6	439	3.01	6.7	0.8	115.6	3.5	17	0.3	0.6	0.3	54	0.18	0.032	
MT2-06	Soil	2.5	29.9	12.3	49	0.2	19.6	6.7	206	2.82	8.2	1.3	24.1	5.0	18	0.1	0.5	0.2	62	0.19	0.038	
MT2-07	Soil	2.5	37.0	10.9	55	0.2	25.2	10.0	443	2.96	9.8	1.2	51.7	4.7	22	<0.1	0.6	0.2	59	0.24	0.029	
MT2-08	Soil	17.0	52.4	16.7	147	0.2	13.9	11.3	1027	3.60	5.0	1.1	373.5	6.3	32	0.5	1.5	0.4	38	0.28	0.042	
MT2-09	Soil	5.3	81.9	127.7	59	0.1	14.8	6.1	296	2.74	5.6	0.9	294.7	5.9	22	<0.1	0.8	0.4	37	0.24	0.022	
MT2-10	Soil	132.0	129.5	46.5	128	0.6	16.0	9.5	502	3.72	7.5	1.7	1738	5.6	17	0.1	2.8	0.9	33	0.20	0.022	
MT2-11	Soil	21.2	173.7	24.3	122	0.2	12.7	9.6	797	4.19	5.5	1.0	236.8	5.6	22	0.1	1.9	1.1	47	0.23	0.023	
MT2-12	Soil	7.7	147.4	12.9	162	0.1	14.1	10.0	813	3.97	5.3	0.9	158.8	7.9	23	0.1	0.9	0.9	48	0.27	0.026	
MT2-13	Soil	4.6	208.9	10.0	269	0.2	10.4	9.3	829	4.78	4.7	1.2	59.9	6.1	20	0.4	1.6	1.8	33	0.21	0.054	
MT2-14	Soil	6.6	122.0	13.2	172	0.2	11.9	9.6	948	4.08	7.6	1.1	121.5	7.6	15	0.6	1.6	0.9	34	0.11	0.022	
MT2-15	Soil	13.3	117.8	11.0	106	0.1	6.7	7.1	848	3.73	5.3	1.2	228.1	8.8	13	0.3	1.5	0.6	18	0.09	0.023	
MT2-16	Soil	4.8	43.2	11.6	57	0.5	26.9	10.0	336	2.92	10.3	1.0	107.1	4.9	15	<0.1	0.7	0.2	63	0.16	0.017	
MT2-17	Soil	10.7	39.6	14.6	68	0.1	17.8	8.0	539	2.82	7.6	0.8	279.5	5.6	16	0.2	0.9	0.3	43	0.15	0.028	



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Project: Mariposa
Report Date: October 05, 2010

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
MT1-01	Soil	96	158	2.34	851	0.207	2	2.67	0.022	0.28	0.1	0.02	5.9	0.3	<0.05	8	<0.5	<0.2
MT1-02	Soil	35	38	0.79	468	0.068	2	2.20	0.009	0.18	0.2	0.02	5.2	0.2	<0.05	7	<0.5	0.5
MT1-03	Soil	28	9	0.62	853	0.078	2	2.13	0.010	0.55	0.2	0.03	4.6	0.4	<0.05	5	0.6	0.2
MT1-04	Soil	45	11	0.65	1085	0.077	1	2.18	0.010	0.43	0.3	0.04	5.0	0.3	<0.05	7	0.6	0.7
MT1-05	Soil	36	22	0.59	815	0.058	1	2.26	0.010	0.25	0.2	0.03	5.0	0.3	<0.05	7	0.6	0.5
MT1-06	Soil	13	33	0.50	294	0.066	1	2.06	0.011	0.10	0.1	0.04	3.3	0.1	<0.05	6	<0.5	<0.2
MT1-07	Soil	23	22	0.71	658	0.090	1	2.51	0.010	0.27	0.2	0.03	4.3	0.3	<0.05	7	<0.5	<0.2
MT1-08	Soil	45	10	0.93	1271	0.144	<1	2.64	0.008	0.51	0.3	0.02	4.8	0.6	<0.05	8	<0.5	0.4
MT1-09	Soil	24	7	0.48	1094	0.049	1	2.01	0.007	0.37	0.2	0.02	4.9	0.4	<0.05	5	<0.5	0.5
MT1-10	Soil	14	14	0.40	276	0.039	1	2.15	0.007	0.29	0.2	0.03	3.8	0.3	<0.05	5	<0.5	0.6
MT1-11	Soil	17	9	0.39	341	0.037	1	2.09	0.007	0.40	<0.1	0.02	4.1	0.4	<0.05	5	<0.5	0.9
MT1-12	Soil	31	23	0.59	799	0.095	1	2.35	0.014	0.26	0.2	0.03	7.0	0.3	<0.05	6	<0.5	0.4
MT1-13	Soil	18	12	0.34	375	0.042	<1	1.40	0.012	0.22	0.1	<0.01	2.9	0.2	<0.05	4	<0.5	<0.2
MT2-01	Soil	13	26	0.46	179	0.049	<1	1.70	0.007	0.10	0.1	0.01	2.4	0.1	<0.05	6	<0.5	0.2
MT2-02	Soil	25	42	0.58	421	0.051	<1	2.09	0.014	0.07	0.1	0.04	2.9	0.1	<0.05	6	<0.5	<0.2
MT2-03	Soil	23	40	0.62	608	0.063	<1	1.99	0.013	0.07	0.2	0.06	6.1	<0.1	<0.05	6	<0.5	<0.2
MT2-04	Soil	21	21	0.44	272	0.067	1	1.38	0.009	0.12	0.1	0.02	3.6	0.2	<0.05	4	<0.5	<0.2
MT2-05	Soil	15	25	0.45	292	0.057	1	1.53	0.009	0.09	0.1	0.01	3.5	0.1	<0.05	5	<0.5	<0.2
MT2-06	Soil	15	37	0.43	334	0.057	1	2.00	0.012	0.05	0.1	0.04	5.3	0.2	<0.05	6	<0.5	<0.2
MT2-07	Soil	22	36	0.56	508	0.062	2	1.95	0.013	0.07	0.1	0.04	6.5	0.1	<0.05	5	<0.5	<0.2
MT2-08	Soil	18	17	0.37	620	0.044	2	1.31	0.010	0.15	<0.1	0.05	6.6	0.2	<0.05	4	<0.5	<0.2
MT2-09	Soil	22	21	0.36	493	0.027	<1	1.57	0.008	0.08	<0.1	0.04	6.5	0.2	<0.05	4	<0.5	<0.2
MT2-10	Soil	24	12	0.26	540	0.011	3	1.48	0.006	0.11	<0.1	0.15	7.5	0.7	<0.05	4	<0.5	1.7
MT2-11	Soil	24	20	0.39	479	0.049	<1	1.80	0.011	0.21	0.1	0.05	5.5	0.3	<0.05	5	<0.5	<0.2
MT2-12	Soil	24	19	0.46	769	0.065	1	1.77	0.012	0.22	0.2	0.03	5.6	0.3	<0.05	5	<0.5	<0.2
MT2-13	Soil	26	14	0.37	579	0.050	<1	1.84	0.009	0.31	0.1	0.03	5.8	0.3	<0.05	5	<0.5	0.3
MT2-14	Soil	21	18	0.27	472	0.030	1	1.67	0.007	0.13	0.1	0.02	4.4	0.2	<0.05	4	<0.5	<0.2
MT2-15	Soil	23	9	0.16	365	0.009	<1	1.13	0.006	0.10	<0.1	0.02	3.7	0.1	<0.05	3	0.6	0.4
MT2-16	Soil	12	37	0.56	511	0.078	2	2.30	0.011	0.06	0.1	0.04	4.3	0.1	<0.05	6	<0.5	<0.2
MT2-17	Soil	16	24	0.43	470	0.043	1	1.72	0.009	0.09	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
MT2-18	Soil		7.7	44.7	11.0	54	0.1	15.0	6.7	412	2.33	5.8	0.7	193.9	5.9	15	0.2	0.7	0.2	36	0.13	0.018		
MT2-19	Soil		6.4	51.7	10.9	57	<0.1	14.6	5.6	234	2.35	5.3	0.7	190.3	5.1	16	0.2	0.7	0.3	39	0.18	0.019		
MT2-20	Soil		23.6	66.0	13.1	64	0.3	5.2	5.7	403	2.91	8.3	0.9	506.5	6.4	8	0.2	1.2	0.5	19	0.05	0.037		
MT2-21	Soil		13.9	52.1	13.8	55	0.1	12.6	7.3	331	2.54	5.9	1.0	349.8	7.3	14	<0.1	0.8	0.3	37	0.13	0.013		
MT2-22	Soil		19.5	64.8	17.4	61	0.3	13.3	9.7	446	2.83	7.4	1.0	491.1	7.7	12	0.2	1.2	0.4	32	0.09	0.025		
MT2-23	Soil		21.8	52.6	13.9	57	0.1	7.6	8.1	450	2.37	4.2	0.9	542.8	8.0	10	0.1	1.0	0.4	22	0.07	0.016		
26700 89500	Soil		0.7	17.1	6.5	46	<0.1	14.6	7.6	266	2.55	5.8	0.6	6.1	4.0	18	<0.1	0.3	0.1	54	0.28	0.042		
26700 89550	Soil		0.8	20.4	4.7	42	<0.1	27.5	7.5	267	2.44	3.4	0.9	38.6	8.9	21	<0.1	0.4	<0.1	31	0.27	0.056		
26700 89600	Soil		0.3	55.7	2.1	50	<0.1	15.3	14.6	593	3.72	2.2	0.7	3.6	1.9	29	<0.1	0.2	<0.1	77	0.83	0.132		
26700 89650	Soil		0.8	17.7	4.2	48	0.1	13.6	6.0	278	1.51	1.6	1.8	5.5	2.6	42	0.2	0.1	<0.1	29	0.82	0.081		
26700 89700	Soil		0.5	65.7	1.8	55	<0.1	12.4	14.1	580	3.36	1.9	0.8	3.1	1.3	25	<0.1	0.1	<0.1	80	0.85	0.142		
26700 89750	Soil		0.5	32.9	6.1	73	<0.1	11.5	12.0	378	3.43	2.9	0.5	2.4	3.6	17	<0.1	0.2	<0.1	65	0.38	0.077		
26700 89800	Soil		1.0	22.3	7.5	51	<0.1	22.9	9.2	339	2.83	6.1	0.5	10.1	5.8	18	<0.1	0.3	0.1	53	0.27	0.037		
26700 89850	Soil		0.8	30.6	6.5	54	<0.1	21.6	11.5	421	3.01	6.8	0.6	4.3	5.7	23	<0.1	0.4	0.1	59	0.34	0.044		
26700 89900	Soil		0.5	34.5	4.4	45	<0.1	17.0	10.2	382	2.42	4.5	0.4	6.7	3.2	22	<0.1	0.3	<0.1	50	0.48	0.078		
26700 89950	Soil		0.3	30.7	1.6	45	<0.1	8.8	9.9	400	2.51	2.0	0.2	1.2	1.7	12	<0.1	<0.1	<0.1	47	0.51	0.119		
26700 90000	Soil		1.1	38.6	6.7	65	<0.1	24.4	12.8	543	3.61	4.9	0.6	4.2	4.6	29	<0.1	0.5	<0.1	64	0.41	0.036		
26700 90050	Soil		0.8	23.7	5.7	48	<0.1	23.2	10.7	359	2.75	5.6	0.5	2.7	3.0	21	<0.1	0.3	<0.1	60	0.42	0.037		
26700 90100	Soil		0.9	37.2	6.7	59	<0.1	33.7	14.3	533	3.59	5.3	0.6	2.8	4.4	26	<0.1	0.4	0.1	73	0.52	0.057		
26700 90150	Soil		0.7	23.7	6.8	51	<0.1	46.8	11.8	371	3.38	5.5	1.0	3.1	8.4	23	<0.1	0.3	0.1	63	0.41	0.073		
26700 90200	Soil		1.1	17.0	5.8	55	<0.1	13.8	6.2	236	3.86	4.2	0.6	1.6	6.6	12	<0.1	0.5	<0.1	60	0.14	0.033		
26700 90250	Soil		1.0	32.2	6.2	107	<0.1	15.1	9.4	352	4.21	5.9	0.7	1.3	7.6	14	0.2	0.4	<0.1	63	0.17	0.035		
26700 90300	Soil		1.2	50.4	8.8	75	<0.1	7.6	9.3	480	3.45	5.2	0.6	1.0	8.5	13	<0.1	0.2	<0.1	44	0.14	0.033		
26700 90350	Soil		1.3	19.7	7.9	108	<0.1	19.3	9.0	1065	2.95	7.5	0.5	1.1	5.3	44	0.3	0.4	0.1	57	0.66	0.081		
26700 90400	Soil		0.8	28.6	8.1	113	<0.1	22.9	12.7	654	3.90	6.3	1.2	2.0	7.8	24	0.1	0.4	0.1	61	0.37	0.072		
26700 90450	Soil		2.2	17.4	13.2	74	<0.1	21.7	10.9	496	4.04	9.6	0.7	1.8	4.7	14	0.1	0.5	0.1	68	0.16	0.041		
26700 90500	Soil		1.0	26.0	8.1	75	<0.1	22.5	11.8	618	3.55	7.0	0.9	2.8	7.6	19	0.1	0.5	0.1	56	0.24	0.052		
26700 90550	Soil		1.2	23.8	10.0	74	<0.1	19.0	9.3	534	3.13	6.0	1.0	1.9	6.2	25	0.1	0.5	0.1	46	0.31	0.061		
26700 90600	Soil		1.4	24.0	7.7	66	<0.1	22.2	10.1	438	3.24	6.1	1.0	3.1	7.1	21	<0.1	0.4	0.1	58	0.33	0.044		
26700 90650	Soil		1.5	21.1	8.9	72	<0.1	14.7	13.9	563	3.33	4.5	0.8	1.7	5.9	19	<0.1	0.3	<0.1	49	0.36	0.074		



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
MT2-18	Soil	16	20	0.36	414	0.037	2	1.43	0.011	0.07	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
MT2-19	Soil	15	22	0.38	390	0.054	2	1.31	0.013	0.07	0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
MT2-20	Soil	22	9	0.11	185	0.013	1	1.02	0.007	0.08	<0.1	0.02	1.9	<0.1	<0.05	3	0.6	0.6
MT2-21	Soil	21	20	0.33	372	0.042	<1	1.12	0.013	0.06	0.1	0.02	3.2	<0.1	<0.05	3	<0.5	<0.2
MT2-22	Soil	21	17	0.25	266	0.026	<1	1.44	0.006	0.08	<0.1	0.02	3.0	<0.1	<0.05	3	<0.5	0.3
MT2-23	Soil	21	11	0.18	226	0.021	1	0.99	0.007	0.08	0.1	0.02	2.6	<0.1	<0.05	2	0.5	0.6
26700 89500	Soil	16	30	0.53	261	0.066	1	1.81	0.015	0.06	0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
26700 89550	Soil	38	33	0.35	252	0.027	1	1.31	0.012	0.07	<0.1	0.02	6.1	<0.1	<0.05	4	<0.5	<0.2
26700 89600	Soil	8	23	1.08	251	0.062	1	2.22	0.063	0.04	<0.1	<0.01	11.7	<0.1	<0.05	7	<0.5	<0.2
26700 89650	Soil	20	19	0.48	392	0.040	1	1.29	0.022	0.07	<0.1	0.03	4.2	<0.1	0.09	4	0.7	<0.2
26700 89700	Soil	7	20	0.91	267	0.036	<1	1.90	0.043	0.05	<0.1	0.01	10.4	<0.1	<0.05	6	<0.5	<0.2
26700 89750	Soil	10	16	0.95	202	0.094	1	2.58	0.020	0.16	<0.1	0.01	5.0	<0.1	<0.05	7	<0.5	<0.2
26700 89800	Soil	16	32	0.60	197	0.061	1	2.08	0.017	0.07	<0.1	0.02	4.9	<0.1	<0.05	6	<0.5	<0.2
26700 89850	Soil	18	34	0.67	221	0.095	1	2.03	0.020	0.10	0.1	0.02	6.2	<0.1	<0.05	6	<0.5	<0.2
26700 89900	Soil	13	24	0.69	242	0.074	1	1.66	0.029	0.07	<0.1	0.02	5.9	<0.1	<0.05	4	<0.5	<0.2
26700 89950	Soil	4	15	0.76	207	0.131	<1	1.78	0.027	0.27	<0.1	<0.01	4.4	0.1	<0.05	5	<0.5	<0.2
26700 90000	Soil	15	39	0.78	315	0.042	<1	1.85	0.015	0.07	<0.1	0.02	9.2	<0.1	<0.05	6	<0.5	<0.2
26700 90050	Soil	11	38	0.86	351	0.057	1	2.10	0.020	0.05	0.1	0.02	6.6	<0.1	<0.05	6	<0.5	<0.2
26700 90100	Soil	16	58	1.10	357	0.065	1	2.44	0.025	0.07	<0.1	0.02	8.6	<0.1	<0.05	7	<0.5	<0.2
26700 90150	Soil	30	53	0.68	600	0.030	1	1.95	0.015	0.08	<0.1	0.03	7.3	<0.1	<0.05	6	<0.5	<0.2
26700 90200	Soil	25	21	0.52	160	0.029	<1	2.14	0.015	0.18	<0.1	0.02	6.0	0.1	<0.05	7	<0.5	<0.2
26700 90250	Soil	15	24	0.56	216	0.046	1	2.48	0.011	0.24	<0.1	0.02	6.0	0.1	<0.05	7	<0.5	<0.2
26700 90300	Soil	12	14	0.54	147	0.022	<1	2.00	0.008	0.10	<0.1	0.02	3.0	<0.1	<0.05	9	<0.5	<0.2
26700 90350	Soil	13	27	0.63	408	0.077	3	2.01	0.015	0.23	0.1	0.01	3.6	0.1	<0.05	6	<0.5	<0.2
26700 90400	Soil	23	31	0.62	539	0.079	2	1.96	0.015	0.19	<0.1	0.02	7.4	0.1	<0.05	6	0.6	<0.2
26700 90450	Soil	14	38	0.51	153	0.055	2	2.36	0.012	0.08	0.1	0.02	5.1	0.1	<0.05	7	<0.5	<0.2
26700 90500	Soil	25	29	0.48	357	0.059	<1	1.96	0.010	0.13	<0.1	0.02	5.5	0.1	<0.05	6	<0.5	<0.2
26700 90550	Soil	27	26	0.58	437	0.064	1	1.57	0.016	0.12	<0.1	0.03	4.8	0.1	<0.05	5	<0.5	<0.2
26700 90600	Soil	27	32	0.57	378	0.083	<1	2.08	0.018	0.10	0.1	0.02	5.4	0.1	<0.05	7	<0.5	<0.2
26700 90650	Soil	19	22	0.63	258	0.101	1	1.88	0.009	0.20	<0.1	0.02	5.5	0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
26700 90700	Soil	1.1	22.6	5.9	70	<0.1	23.7	11.3	432	3.08	5.3	0.6	2.4	5.6	20	<0.1	0.3	<0.1	59	0.31	0.053
26700 90750	Soil	1.7	19.9	8.9	67	0.1	18.9	9.5	356	2.81	5.6	0.7	4.0	8.6	19	<0.1	0.3	0.1	50	0.24	0.041
26700 90800	Soil	1.5	22.3	9.1	54	<0.1	24.6	9.1	315	2.78	6.4	0.9	3.0	6.6	24	<0.1	0.3	0.1	55	0.30	0.041
27000 89750	Soil	1.0	18.5	5.5	54	<0.1	14.7	8.4	275	2.40	2.7	0.9	6.7	5.6	31	<0.1	0.2	<0.1	47	0.45	0.071
27000 89800	Soil	0.7	47.2	3.2	48	<0.1	10.0	13.4	418	3.02	2.0	0.3	6.0	1.8	43	<0.1	0.1	<0.1	79	1.09	0.177
27000 89900	Soil	0.4	47.1	2.4	30	<0.1	15.5	10.1	326	1.97	1.3	0.4	3.6	0.8	28	<0.1	<0.1	<0.1	49	0.67	0.088
27000 89950	Soil	0.6	22.7	1.8	47	<0.1	14.6	14.8	430	3.23	1.7	0.5	1.0	2.4	39	<0.1	0.1	<0.1	71	0.81	0.124
27000 90000	Soil	1.8	15.8	7.3	42	<0.1	22.6	8.6	456	2.06	3.4	0.4	40.8	6.2	19	<0.1	0.2	<0.1	37	0.20	0.039
27000 90050	Soil	1.4	18.5	9.0	39	<0.1	19.1	7.5	259	2.10	5.4	0.6	2.6	4.4	17	<0.1	0.3	0.2	55	0.21	0.029
27000 90100	Soil	3.7	19.5	9.4	55	<0.1	27.5	9.4	278	3.56	9.0	0.5	1.8	6.7	16	<0.1	0.5	0.1	72	0.17	0.045
27000 90150	Soil	1.0	26.6	7.2	72	<0.1	60.7	15.4	506	3.68	5.9	1.3	2.6	10.0	24	0.1	0.4	0.1	54	0.33	0.089
27000 90200	Soil	0.8	26.7	7.8	68	<0.1	18.4	11.2	379	3.02	4.7	1.1	1.8	15.6	20	<0.1	0.3	<0.1	42	0.22	0.048
27000 90250	Soil	1.2	31.4	6.8	99	<0.1	17.3	12.1	519	4.23	2.3	1.5	1.8	19.5	12	<0.1	0.3	<0.1	35	0.10	0.056
27000 90300	Soil	1.1	17.5	10.5	85	<0.1	11.2	10.8	585	3.87	4.6	0.5	1.2	6.7	20	0.1	0.3	<0.1	58	0.17	0.067
27000 90350	Soil	0.6	21.3	8.8	77	<0.1	7.3	9.5	517	3.33	2.9	0.9	0.8	31.3	11	<0.1	0.3	<0.1	32	0.08	0.059
27000 90400	Soil	0.3	63.2	4.7	71	<0.1	9.4	8.8	321	3.13	2.7	0.5	1.9	12.7	17	<0.1	0.2	<0.1	42	0.15	0.034
27000 90450	Soil	0.9	33.7	9.3	73	<0.1	34.3	12.3	514	3.32	7.7	0.9	3.5	6.6	39	<0.1	0.6	0.2	65	0.37	0.062
27000 90500	Soil	0.7	24.1	6.7	69	<0.1	12.5	9.3	526	3.41	5.2	1.0	0.9	8.7	26	<0.1	0.3	0.1	56	0.28	0.051
27000 90550	Soil	0.9	18.5	7.0	89	<0.1	16.4	14.0	573	3.58	5.7	0.7	2.4	7.5	15	0.1	0.3	0.1	62	0.21	0.078
27000 90600	Soil	0.9	17.8	8.9	61	<0.1	16.4	8.2	308	3.64	8.8	0.7	4.4	6.7	17	0.1	0.5	0.2	63	0.16	0.038
27000 90650	Soil	1.0	21.4	7.7	65	<0.1	21.5	13.1	537	3.76	5.8	0.8	1.5	7.6	20	0.1	0.4	0.1	72	0.25	0.057
27000 90700	Soil	2.8	28.1	11.0	77	<0.1	18.3	9.8	448	3.48	6.3	0.8	2.3	9.5	26	0.1	3.3	0.2	42	0.15	0.058
27000 90750	Soil	1.1	19.4	9.8	57	<0.1	16.0	7.8	332	2.92	6.2	1.0	4.2	8.0	27	<0.1	0.4	0.2	59	0.28	0.045
26500 89350	Soil	0.7	29.9	6.7	96	<0.1	19.0	13.9	624	4.20	3.4	1.3	3.4	6.5	57	<0.1	0.4	0.1	76	0.88	0.134
26500 89400	Soil	1.0	13.9	12.4	41	<0.1	20.7	7.1	295	2.44	4.8	0.8	14.1	8.7	23	<0.1	0.5	0.1	34	0.20	0.028
26500 89450	Soil	1.0	15.0	10.4	45	<0.1	19.6	7.3	302	2.54	5.9	0.6	8.6	4.4	29	0.1	0.4	0.2	57	0.28	0.043
26500 89650	Soil	1.9	21.9	12.3	68	<0.1	19.1	9.4	437	3.15	6.1	0.8	9.6	9.0	22	0.1	0.4	0.2	55	0.23	0.044
26500 89700	Soil	1.4	23.7	10.2	52	<0.1	24.3	10.7	373	2.74	7.7	1.0	15.1	7.9	31	0.2	0.5	0.2	56	0.37	0.042
26500 89800	Soil	4.9	25.8	15.9	58	0.1	26.9	8.7	467	2.17	3.3	11.3	5.6	5.8	61	0.2	0.3	0.1	32	0.83	0.058
26500 89850	Soil	4.1	18.7	11.0	64	0.1	24.3	11.3	1157	3.05	4.8	1.4	24.5	9.4	29	0.1	0.3	0.2	58	0.28	0.031



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26700 90700	Soil	16	32	0.58	216	0.104	<1	1.66	0.011	0.15	<0.1	0.01	3.8	0.1	<0.05	6	<0.5	<0.2
26700 90750	Soil	17	29	0.54	206	0.085	1	1.64	0.010	0.09	<0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
26700 90800	Soil	20	35	0.64	240	0.077	1	2.02	0.011	0.07	<0.1	0.03	3.7	0.1	<0.05	6	<0.5	<0.2
27000 89750	Soil	22	29	0.60	314	0.069	<1	1.45	0.014	0.10	0.1	0.01	4.3	<0.1	<0.05	5	<0.5	<0.2
27000 89800	Soil	7	22	0.97	236	0.107	<1	1.98	0.064	0.12	<0.1	<0.01	7.1	<0.1	<0.05	6	<0.5	<0.2
27000 89900	Soil	4	33	0.70	288	0.064	<1	1.68	0.044	0.05	<0.1	0.01	6.3	<0.1	<0.05	4	<0.5	<0.2
27000 89950	Soil	8	27	1.01	369	0.135	<1	2.22	0.026	0.22	<0.1	<0.01	5.4	<0.1	<0.05	6	<0.5	<0.2
27000 90000	Soil	20	38	0.59	240	0.025	<1	1.56	0.013	0.06	<0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
27000 90050	Soil	13	34	0.50	282	0.070	1	1.90	0.016	0.06	0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
27000 90100	Soil	14	39	0.48	136	0.067	2	2.00	0.013	0.09	0.1	0.01	4.1	0.1	<0.05	7	<0.5	<0.2
27000 90150	Soil	50	54	0.56	464	0.050	1	1.74	0.011	0.18	0.1	0.02	6.4	0.1	<0.05	5	<0.5	<0.2
27000 90200	Soil	33	25	0.50	263	0.054	<1	1.70	0.010	0.15	<0.1	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
27000 90250	Soil	43	25	0.58	170	0.049	1	1.90	0.010	0.28	<0.1	0.01	3.0	0.1	<0.05	6	0.6	<0.2
27000 90300	Soil	10	22	0.89	158	0.110	2	2.24	0.011	0.36	<0.1	0.01	3.4	0.1	<0.05	9	0.5	0.2
27000 90350	Soil	68	11	0.54	128	0.048	<1	1.90	0.008	0.32	<0.1	<0.01	2.7	0.1	<0.05	6	<0.5	0.2
27000 90400	Soil	10	11	0.61	220	0.165	<1	2.05	0.009	0.61	<0.1	<0.01	4.1	0.3	<0.05	6	<0.5	<0.2
27000 90450	Soil	24	44	0.83	361	0.094	1	2.19	0.021	0.09	0.1	0.02	5.6	<0.1	<0.05	6	0.5	<0.2
27000 90500	Soil	31	25	0.75	322	0.174	<1	2.20	0.013	0.42	0.1	0.02	5.3	0.2	<0.05	7	<0.5	<0.2
27000 90550	Soil	13	25	0.73	180	0.121	1	2.58	0.012	0.32	0.1	0.02	2.9	0.2	<0.05	8	<0.5	<0.2
27000 90600	Soil	12	28	0.59	138	0.105	1	2.22	0.012	0.13	0.1	0.04	3.3	<0.1	<0.05	7	<0.5	0.2
27000 90650	Soil	17	39	0.68	225	0.081	<1	2.34	0.017	0.17	<0.1	0.02	5.3	0.2	<0.05	7	<0.5	<0.2
27000 90700	Soil	22	23	0.40	158	0.038	1	1.40	0.008	0.15	0.1	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
27000 90750	Soil	25	29	0.56	370	0.085	2	1.72	0.015	0.09	<0.1	0.03	4.2	<0.1	<0.05	6	<0.5	<0.2
26500 89350	Soil	22	32	1.35	572	0.162	<1	2.56	0.022	0.19	0.1	0.01	3.8	0.1	<0.05	9	0.6	<0.2
26500 89400	Soil	26	31	0.43	412	0.040	2	1.37	0.012	0.10	<0.1	<0.01	3.6	<0.1	<0.05	4	0.6	0.2
26500 89450	Soil	17	33	0.52	326	0.076	1	1.63	0.012	0.07	0.2	0.02	3.2	<0.1	<0.05	6	0.6	<0.2
26500 89650	Soil	18	34	0.57	188	0.091	1	2.08	0.013	0.14	0.1	0.02	4.1	0.2	<0.05	7	<0.5	<0.2
26500 89700	Soil	23	43	0.57	369	0.092	2	1.74	0.017	0.08	0.1	0.02	4.9	<0.1	<0.05	6	<0.5	0.2
26500 89800	Soil	34	42	0.45	644	0.054	1	1.42	0.016	0.14	<0.1	0.03	3.8	0.1	<0.05	4	1.0	<0.2
26500 89850	Soil	29	40	0.57	449	0.097	1	2.01	0.016	0.15	<0.1	0.02	4.2	0.1	<0.05	7	<0.5	0.4



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
26500 89900	Soil	1.1	29.1	10.2	58	<0.1	33.2	10.0	443	3.23	6.7	1.6	9.1	10.2	34	<0.1	0.5	0.2	62	0.27	0.025
26500 89950	Soil	1.4	18.2	9.1	57	<0.1	23.3	8.6	328	3.09	5.6	0.9	19.1	6.3	29	<0.1	0.4	0.2	60	0.23	0.036
26500 90550	Soil	2.3	43.7	7.3	78	<0.1	52.5	15.2	427	3.51	6.6	0.8	6.3	5.0	38	0.1	0.3	0.2	79	0.44	0.091
26500 90600	Soil	2.1	39.3	9.1	84	0.2	19.7	10.6	341	3.13	4.9	1.9	3.3	6.6	31	0.2	0.4	0.1	55	0.32	0.057
26500 90650	Soil	3.3	35.2	6.5	111	0.1	11.2	9.0	464	3.60	3.7	1.5	8.0	9.0	31	0.2	0.2	<0.1	53	0.43	0.075
26500 90050	Soil	1.2	19.1	8.5	52	0.1	30.0	9.5	551	2.90	6.0	1.0	2.2	5.8	32	<0.1	0.5	0.2	63	0.22	0.035
26500 90100	Soil	1.2	37.5	9.0	68	<0.1	80.2	14.7	522	3.86	4.6	1.6	2.8	10.7	64	<0.1	0.6	0.1	73	0.67	0.120
26500 90150	Soil	1.2	26.9	9.9	57	<0.1	19.8	9.4	314	3.06	8.4	0.9	2.2	7.4	39	<0.1	0.6	0.2	59	0.17	0.020
26500 90200	Soil	0.9	92.9	6.3	71	<0.1	6.8	6.5	394	3.20	2.3	0.7	<0.5	6.5	146	<0.1	0.3	0.3	30	0.24	0.027
26500 90250	Soil	1.2	15.9	7.6	45	<0.1	20.0	7.8	271	2.82	5.5	0.5	42.6	5.2	28	0.1	0.5	0.2	48	0.19	0.027
26500 90300	Soil	1.0	29.0	9.5	55	<0.1	27.0	9.9	432	2.94	7.9	1.0	8.7	6.6	39	<0.1	0.5	0.2	58	0.37	0.041
26500 90350	Soil	2.2	38.3	9.1	76	<0.1	19.4	15.8	525	4.01	6.4	0.7	7.0	7.8	21	0.2	0.7	0.2	59	0.19	0.042
26500 90400	Soil	4.1	56.2	8.1	110	<0.1	17.7	11.7	572	4.03	4.8	1.4	11.9	14.8	25	0.1	0.4	0.2	57	0.40	0.050
27400 83750	Soil	0.8	21.5	44.7	170	0.3	26.6	18.1	1017	5.52	5.6	0.9	7.2	5.6	26	0.4	0.4	1.1	112	0.44	0.122
27400 83800	Soil	0.8	20.8	11.7	82	<0.1	27.1	12.9	577	4.05	9.6	0.8	1.9	4.5	35	<0.1	0.6	0.2	86	0.44	0.056
27400 83850	Soil	1.0	11.9	20.8	119	<0.1	24.0	17.9	792	5.51	7.3	0.4	3.1	2.9	25	0.1	0.4	0.2	114	0.31	0.070
27400 83900	Soil	0.9	8.8	8.1	116	<0.1	17.8	17.2	1004	5.03	7.0	0.4	2.7	2.8	42	0.1	0.4	0.1	121	0.69	0.100
27400 83950	Soil	7.8	165.0	12.4	119	0.3	61.3	31.3	1661	7.98	3.4	2.3	7.0	4.4	33	0.4	0.3	1.1	168	0.45	0.166
27400 84050	Soil	0.5	10.3	9.6	85	<0.1	11.9	13.9	742	3.86	5.0	0.9	2.3	14.3	91	<0.1	0.2	0.1	62	0.79	0.059
27400 84100	Soil	0.3	6.3	10.9	86	<0.1	5.5	10.2	737	3.48	2.9	2.2	0.6	12.3	28	0.2	0.2	<0.1	57	0.47	0.094
27400 84150	Soil	0.8	13.7	8.6	57	0.1	12.2	8.0	488	2.33	5.1	1.7	4.1	9.6	24	0.2	0.3	0.2	43	0.39	0.042
27400 84200	Soil	0.9	19.7	9.5	67	<0.1	20.6	10.7	437	2.81	7.9	1.0	1.6	11.0	21	0.1	0.5	0.1	57	0.24	0.025
27400 84250	Soil	0.6	9.4	40.6	172	<0.1	8.7	10.6	857	3.85	4.9	2.1	1.4	23.7	16	0.4	0.3	<0.1	51	0.24	0.043
27400 84300	Soil	0.7	9.9	15.0	76	<0.1	10.8	8.2	492	2.51	5.3	1.0	3.1	10.5	20	0.2	0.2	<0.1	42	0.28	0.031
27400 84350	Soil	0.7	8.4	7.8	54	<0.1	12.8	7.5	360	2.42	5.8	0.9	1.8	12.4	21	<0.1	0.3	<0.1	40	0.29	0.028
27400 84400	Soil	0.6	11.7	6.2	59	<0.1	14.2	8.9	470	2.59	6.3	0.8	2.7	10.1	20	<0.1	0.3	<0.1	45	0.27	0.042
27400 84450	Soil	0.9	10.6	7.6	60	<0.1	11.8	8.0	601	2.46	7.1	0.4	1.4	5.6	24	0.2	0.3	0.1	53	0.29	0.083
27400 84500	Soil	0.8	12.2	6.7	66	<0.1	15.0	9.8	492	2.70	7.0	0.9	2.1	10.7	16	0.1	0.4	<0.1	47	0.19	0.025
27400 84550	Soil	0.5	9.5	7.8	58	<0.1	8.2	6.9	389	2.25	4.7	1.0	3.1	10.1	18	<0.1	0.3	<0.1	33	0.21	0.033
27400 84600	Soil	0.8	9.3	7.3	79	<0.1	8.4	8.1	488	2.51	5.3	0.7	4.1	5.8	10	0.2	0.3	0.1	45	0.12	0.055



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Project: Mariposa
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26500 89900	Soil	42	50	0.63	398	0.084	<1	2.29	0.015	0.09	<0.1	0.03	7.6	0.1	<0.05	6	<0.5	0.4
26500 89950	Soil	25	39	0.56	325	0.075	1	2.17	0.013	0.09	0.1	0.03	4.8	0.1	<0.05	7	0.6	<0.2
26500 90550	Soil	14	87	1.25	202	0.175	2	2.27	0.023	0.25	0.1	0.01	3.5	0.2	<0.05	8	0.5	<0.2
26500 90600	Soil	38	27	0.67	261	0.102	<1	2.10	0.016	0.17	<0.1	0.03	4.5	0.2	<0.05	7	<0.5	0.6
26500 90650	Soil	23	16	0.71	213	0.146	<1	1.86	0.017	0.35	<0.1	0.02	3.9	0.3	<0.05	8	<0.5	0.2
26500 90050	Soil	20	46	0.56	450	0.064	1	2.12	0.011	0.10	0.1	0.02	3.9	0.1	<0.05	7	<0.5	0.2
26500 90100	Soil	57	94	0.92	923	0.062	2	2.48	0.017	0.11	0.1	0.04	7.9	0.1	<0.05	8	<0.5	<0.2
26500 90150	Soil	18	33	0.55	261	0.070	2	2.55	0.013	0.09	0.2	0.03	4.4	0.2	<0.05	7	<0.5	0.2
26500 90200	Soil	8	11	0.58	610	0.026	<1	2.59	0.010	0.22	<0.1	<0.01	3.4	0.1	<0.05	8	0.7	<0.2
26500 90250	Soil	15	32	0.49	239	0.043	<1	2.67	0.010	0.08	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
26500 90300	Soil	24	36	0.62	574	0.071	1	1.88	0.018	0.08	0.1	0.04	6.1	<0.1	<0.05	6	<0.5	<0.2
26500 90350	Soil	15	32	0.59	163	0.059	2	2.50	0.011	0.10	<0.1	0.02	3.7	0.1	<0.05	7	<0.5	0.2
26500 90400	Soil	45	29	0.70	324	0.116	1	2.13	0.016	0.31	<0.1	0.02	5.1	0.2	<0.05	8	<0.5	0.4
27400 83750	Soil	17	51	1.87	841	0.237	1	2.95	0.018	1.11	0.2	0.02	10.6	0.3	<0.05	10	<0.5	0.4
27400 83800	Soil	15	38	1.13	492	0.201	3	2.30	0.020	0.67	0.1	0.04	8.2	0.2	<0.05	7	<0.5	<0.2
27400 83850	Soil	8	45	2.02	659	0.295	1	3.22	0.015	1.02	0.2	<0.01	9.3	0.4	<0.05	11	<0.5	0.2
27400 83900	Soil	9	31	2.08	799	0.271	2	3.23	0.013	0.99	0.1	0.01	10.2	0.3	<0.05	12	<0.5	<0.2
27400 83950	Soil	20	146	2.35	1091	0.078	2	3.19	0.010	0.40	<0.1	0.03	16.9	0.2	0.07	10	4.3	<0.2
27400 84050	Soil	20	19	0.97	182	0.176	2	2.60	0.014	0.21	0.1	<0.01	2.4	<0.1	<0.05	9	<0.5	<0.2
27400 84100	Soil	26	8	0.79	204	0.102	2	1.98	0.007	0.63	0.1	0.01	2.8	0.3	<0.05	7	<0.5	<0.2
27400 84150	Soil	29	20	0.51	227	0.054	2	1.50	0.014	0.16	0.2	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
27400 84200	Soil	61	31	0.65	183	0.092	2	1.65	0.017	0.16	0.2	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
27400 84250	Soil	44	14	0.69	332	0.074	2	1.91	0.009	0.49	0.1	<0.01	4.5	0.2	<0.05	7	<0.5	<0.2
27400 84300	Soil	17	18	0.52	188	0.068	2	1.49	0.010	0.25	0.1	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
27400 84350	Soil	15	20	0.52	153	0.066	1	1.52	0.010	0.22	<0.1	0.01	2.5	0.2	<0.05	5	<0.5	<0.2
27400 84400	Soil	18	21	0.60	189	0.085	1	1.67	0.009	0.26	<0.1	0.01	2.3	0.2	<0.05	5	<0.5	<0.2
27400 84450	Soil	9	20	0.40	201	0.056	2	1.42	0.010	0.12	0.1	0.01	2.0	0.1	<0.05	6	<0.5	<0.2
27400 84500	Soil	15	22	0.69	195	0.097	2	1.89	0.009	0.31	<0.1	0.01	3.0	0.2	<0.05	6	<0.5	<0.2
27400 84550	Soil	35	16	0.48	218	0.053	1	1.53	0.010	0.22	<0.1	0.01	2.8	0.2	<0.05	5	<0.5	<0.2
27400 84600	Soil	13	16	0.37	109	0.051	2	1.41	0.009	0.14	<0.1	0.01	2.9	0.1	<0.05	6	<0.5	<0.2



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Project: Mariposa
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
27400 84650	Soil	0.5	4.5	12.0	56	<0.1	3.7	4.4	548	1.60	1.4	1.4	3.9	15.2	12	0.1	0.2	0.1	13	0.24
27400 84750	Soil	1.7	58.9	12.5	63	0.2	12.6	4.9	286	1.96	7.3	0.9	1.5	9.9	14	0.2	0.4	0.3	36	0.16
27400 90150	Soil	0.5	40.9	3.3	91	<0.1	131.5	26.9	554	4.75	2.5	1.3	1.1	12.0	64	<0.1	0.1	<0.1	77	0.91
27400 90200	Soil	1.2	20.7	6.7	75	<0.1	20.2	8.9	370	3.18	5.4	0.8	1.6	8.9	25	<0.1	0.3	<0.1	60	0.27
27400 90250	Soil	0.7	9.4	5.7	130	<0.1	8.4	11.1	695	3.81	3.6	0.9	6.4	10.3	22	0.2	0.2	<0.1	48	0.28
27400 90300	Soil	1.3	25.7	6.3	64	<0.1	22.6	10.6	445	2.91	7.2	0.9	5.1	7.2	22	<0.1	0.5	<0.1	53	0.24
27400 90350	Soil	0.7	24.8	9.3	50	<0.1	7.3	6.5	163	2.44	2.8	0.3	1.2	5.8	9	<0.1	0.2	<0.1	26	0.08
27400 90400	Soil	0.9	21.7	6.8	62	<0.1	10.8	10.3	322	3.12	3.0	0.4	<0.5	3.9	11	0.1	0.3	<0.1	37	0.12
27400 90450	Soil	1.2	13.2	7.3	64	<0.1	11.4	8.3	344	3.54	8.3	0.3	0.5	3.1	15	0.1	0.4	0.1	73	0.11
27400 91150	Soil	0.5	13.6	4.9	59	<0.1	13.4	8.4	303	2.68	3.6	0.4	2.0	5.0	20	<0.1	0.2	<0.1	44	0.27
27400 91200	Soil	0.5	18.3	6.4	66	<0.1	16.5	11.1	364	2.94	6.2	0.6	2.3	5.0	27	0.1	0.3	<0.1	58	0.36
27400 91350	Soil	0.5	23.5	5.7	83	<0.1	9.6	8.5	420	3.00	2.6	0.9	2.1	4.2	49	<0.1	0.1	<0.1	51	0.64
27400 91400	Soil	0.3	14.2	6.3	51	<0.1	7.0	6.1	359	2.06	2.8	0.8	1.1	3.2	93	0.1	0.1	<0.1	35	0.69
26400 89300	Soil	1.4	41.6	8.7	39	<0.1	9.2	5.3	91	2.51	4.2	0.9	19.8	9.5	14	<0.1	0.3	0.3	17	0.10
26400 89350	Soil	0.8	19.9	7.8	63	<0.1	8.6	7.3	205	3.14	3.6	0.9	13.7	7.2	24	<0.1	0.4	0.2	42	0.31
26400 89400	Soil	0.9	16.5	8.2	44	<0.1	20.2	7.8	266	2.46	7.1	0.9	7.9	6.6	25	<0.1	0.4	0.1	51	0.30
26400 89450	Soil	1.0	13.3	5.5	56	<0.1	10.1	10.8	430	4.14	3.7	0.7	7.3	6.9	32	<0.1	0.4	0.1	73	0.56
26400 89500	Soil	0.6	15.4	6.7	66	<0.1	19.8	8.8	355	3.08	6.0	0.7	3.0	8.0	19	0.1	0.3	<0.1	53	0.24
26400 89550	Soil	0.9	15.4	8.4	52	<0.1	19.2	9.0	421	2.69	7.1	0.7	8.5	8.7	22	0.1	0.4	0.1	56	0.25
26400 89650	Soil	1.0	24.1	8.3	54	<0.1	24.3	10.4	360	2.86	8.5	0.8	7.5	7.3	23	<0.1	0.4	0.1	64	0.27
26400 89700	Soil	1.1	11.7	7.5	40	<0.1	13.6	7.8	346	2.19	7.8	0.5	8.5	5.1	18	<0.1	0.3	0.1	47	0.26
26400 89750	Soil	0.9	17.9	6.8	51	<0.1	19.2	8.0	344	2.46	7.1	0.9	30.5	5.7	26	<0.1	0.4	0.1	54	0.38
26400 89800	Soil	1.6	18.5	5.6	53	<0.1	13.0	6.2	316	2.31	4.3	1.1	9.9	10.0	17	0.1	0.3	0.1	40	0.27
26400 89850	Soil	1.8	25.6	7.3	58	<0.1	15.9	6.1	294	2.21	5.3	2.1	7.1	8.0	18	0.1	0.3	<0.1	36	0.29
26400 90000	Soil	0.6	20.9	7.7	50	<0.1	33.8	10.3	414	2.95	5.4	0.9	2.2	11.0	28	<0.1	0.5	0.1	49	0.26
26400 90050	Soil	0.9	25.5	9.1	61	<0.1	40.1	10.5	400	3.21	8.3	1.2	3.0	11.6	22	<0.1	0.5	0.2	54	0.15
26400 90100	Soil	0.6	52.2	7.7	80	<0.1	235.6	33.4	1449	5.54	2.4	1.6	1.7	13.3	255	0.1	0.5	0.2	99	1.81
26400 90150	Soil	0.4	7.5	5.4	43	<0.1	4.7	4.6	233	1.70	1.1	0.3	0.6	12.0	51	<0.1	0.2	<0.1	10	0.14
26400 90200	Soil	0.5	48.3	7.6	64	<0.1	15.1	7.7	471	2.49	3.9	0.8	1.6	14.5	141	0.1	0.4	0.2	31	0.30
26400 90400	Soil	1.2	22.4	5.2	50	<0.1	3.3	3.5	360	2.00	0.7	1.5	2.4	12.8	24	<0.1	0.1	0.1	15	0.37



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
27400 84650	Soil	37	5	0.25	102	0.012	1	0.91	0.008	0.17	<0.1	<0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
27400 84750	Soil	24	20	0.26	73	0.029	2	0.97	0.010	0.08	0.3	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
27400 90150	Soil	65	115	2.40	871	0.139	<1	3.52	0.012	0.22	<0.1	0.01	5.8	0.1	<0.05	11	<0.5	<0.2
27400 90200	Soil	19	43	0.70	354	0.098	2	2.14	0.014	0.13	<0.1	0.01	3.9	<0.1	<0.05	7	<0.5	<0.2
27400 90250	Soil	29	15	0.65	166	0.055	<1	2.27	0.024	0.18	<0.1	0.01	4.6	<0.1	<0.05	8	<0.5	<0.2
27400 90300	Soil	25	30	0.49	492	0.055	2	1.66	0.013	0.10	<0.1	<0.01	6.6	0.1	<0.05	5	<0.5	<0.2
27400 90350	Soil	10	11	0.35	242	0.006	<1	1.82	0.006	0.09	<0.1	0.01	1.8	<0.1	<0.05	6	<0.5	<0.2
27400 90400	Soil	9	16	0.54	193	0.020	<1	2.31	0.008	0.13	<0.1	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
27400 90450	Soil	7	24	0.68	127	0.053	<1	2.44	0.008	0.08	<0.1	0.02	3.7	0.1	<0.05	10	<0.5	<0.2
27400 91150	Soil	14	23	0.59	261	0.069	<1	1.78	0.011	0.14	<0.1	0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
27400 91200	Soil	15	27	0.65	298	0.119	2	1.87	0.015	0.11	0.1	<0.01	3.3	<0.1	<0.05	6	<0.5	<0.2
27400 91350	Soil	13	16	0.71	320	0.106	<1	1.81	0.020	0.15	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
27400 91400	Soil	8	11	0.40	193	0.053	<1	1.82	0.010	0.08	<0.1	<0.01	1.9	<0.1	<0.05	6	<0.5	<0.2
26400 89300	Soil	31	12	0.25	428	0.004	<1	1.73	0.008	0.14	<0.1	<0.01	2.2	0.1	<0.05	4	<0.5	<0.2
26400 89350	Soil	23	16	0.61	365	0.019	2	2.30	0.008	0.14	0.1	<0.01	3.6	0.1	<0.05	7	<0.5	<0.2
26400 89400	Soil	30	33	0.47	597	0.057	2	1.78	0.014	0.08	0.1	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
26400 89450	Soil	26	17	0.76	444	0.044	<1	2.36	0.011	0.17	<0.1	0.02	7.1	0.1	<0.05	8	<0.5	<0.2
26400 89500	Soil	19	36	0.75	304	0.098	<1	2.08	0.014	0.20	<0.1	0.01	4.0	0.2	<0.05	7	<0.5	<0.2
26400 89550	Soil	20	33	0.54	247	0.087	2	1.90	0.011	0.09	<0.1	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
26400 89650	Soil	23	45	0.61	292	0.098	2	2.12	0.013	0.08	<0.1	0.02	4.6	0.1	<0.05	6	<0.5	<0.2
26400 89700	Soil	12	27	0.40	194	0.066	<1	1.37	0.012	0.06	0.1	<0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
26400 89750	Soil	19	34	0.54	274	0.084	2	1.72	0.018	0.08	0.1	0.01	4.3	<0.1	<0.05	5	<0.5	<0.2
26400 89800	Soil	34	22	0.42	302	0.070	1	1.48	0.011	0.16	<0.1	0.01	4.0	0.1	<0.05	5	<0.5	0.2
26400 89850	Soil	31	24	0.41	314	0.061	1	1.46	0.011	0.13	0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
26400 90000	Soil	40	47	0.59	599	0.055	1	1.77	0.015	0.08	<0.1	0.02	6.4	<0.1	<0.05	5	<0.5	<0.2
26400 90050	Soil	38	54	0.57	457	0.044	1	2.23	0.015	0.07	<0.1	0.04	4.7	0.1	<0.05	6	<0.5	0.2
26400 90100	Soil	80	228	2.89	2076	0.080	1	2.56	0.025	0.44	<0.1	0.04	12.4	0.3	<0.05	8	<0.5	<0.2
26400 90150	Soil	18	7	0.20	322	0.007	<1	1.37	0.008	0.10	<0.1	<0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
26400 90200	Soil	60	20	0.43	932	0.037	<1	1.45	0.010	0.09	<0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
26400 90400	Soil	36	4	0.30	230	0.016	<1	1.15	0.005	0.10	<0.1	<0.01	2.9	0.1	<0.05	5	<0.5	0.3



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
26400 90450	Soil	7.3	44.1	10.9	88	0.4	21.6	12.5	1501	3.57	7.6	4.3	9.0	7.3	44	0.2	0.4	0.2	54	0.75	0.106
27200 89950	Soil	0.8	28.9	3.9	85	<0.1	9.3	13.5	783	4.15	1.1	0.8	0.6	10.6	19	<0.1	0.4	<0.1	62	0.46	0.162
27200 90000	Soil	0.6	60.3	1.9	63	<0.1	6.4	14.1	376	3.11	0.7	0.5	1.0	0.9	25	<0.1	<0.1	<0.1	66	0.94	0.294
27200 90100	Soil	0.5	75.9	8.6	62	<0.1	52.7	17.1	461	3.93	3.9	0.4	0.6	2.8	50	<0.1	0.1	<0.1	88	0.91	0.193
27200 90150	Soil	1.3	27.7	7.3	57	<0.1	16.8	6.9	421	3.04	4.0	0.9	63.0	12.3	24	<0.1	0.4	0.1	34	0.26	0.037
27200 90200	Soil	3.8	56.1	5.7	85	<0.1	69.4	20.8	524	5.09	2.7	0.7	1.7	13.1	16	<0.1	0.3	0.1	63	0.12	0.049
27200 90250	Soil	4.4	24.5	6.9	63	<0.1	40.3	12.4	478	3.59	2.8	0.7	2.2	11.2	29	<0.1	0.3	<0.1	52	0.32	0.091
27200 90300	Soil	1.0	12.9	8.3	48	0.1	9.8	8.0	972	2.40	4.2	0.5	1.6	3.9	15	<0.1	0.2	0.1	46	0.10	0.062
27200 90350	Soil	0.4	16.1	4.4	103	<0.1	24.8	16.8	841	3.98	2.4	0.4	0.9	6.2	28	<0.1	0.2	<0.1	72	0.27	0.077
27200 90400	Soil	0.5	19.0	7.2	63	<0.1	16.7	7.1	233	3.27	2.7	0.7	1.9	17.8	26	<0.1	0.3	<0.1	34	0.23	0.045
27200 90450	Soil	0.5	20.8	6.1	59	<0.1	30.9	11.8	431	3.07	5.1	0.9	0.9	15.7	20	0.1	0.3	0.1	51	0.18	0.038
27200 90500	Soil	0.8	25.1	8.7	60	<0.1	28.4	11.7	380	3.38	10.6	1.0	2.8	10.8	28	<0.1	0.6	0.2	64	0.27	0.043
27200 90600	Soil	0.7	17.2	6.7	64	<0.1	14.9	8.9	348	2.98	5.8	0.7	2.8	7.6	23	<0.1	0.3	<0.1	51	0.27	0.059
27200 90650	Soil	1.0	23.2	9.1	64	<0.1	16.5	7.5	355	3.30	7.0	1.6	2.3	3.1	40	0.2	0.3	0.2	61	0.49	0.057
27200 90700	Soil	0.6	9.6	4.3	93	<0.1	6.6	7.0	464	3.38	2.0	0.5	1.6	14.7	15	<0.1	0.1	<0.1	38	0.23	0.080
27600 83850	Soil	0.6	6.5	6.9	89	<0.1	13.7	16.2	633	4.20	5.5	0.4	1.0	4.0	17	<0.1	0.3	<0.1	97	0.39	0.133
27600 83900	Soil	1.5	58.9	45.6	91	0.1	33.2	14.4	465	3.92	4.5	0.4	28.9	3.7	16	0.3	0.2	<0.1	47	0.27	0.075
27600 83950	Soil	0.2	4.6	9.8	76	<0.1	4.3	8.9	692	2.89	1.9	1.3	1.1	16.6	34	<0.1	0.2	<0.1	34	0.47	0.052
27600 84000	Soil	0.6	7.4	11.8	74	<0.1	9.4	10.4	663	2.81	5.0	0.9	1.6	12.1	52	<0.1	0.2	<0.1	42	0.46	0.045
27600 84050	Soil	0.3	6.0	9.6	78	<0.1	5.4	7.7	638	2.85	2.4	1.4	1.3	16.8	19	<0.1	0.1	<0.1	32	0.32	0.067
27600 84100	Soil	0.4	4.3	9.2	74	<0.1	5.5	8.7	607	2.93	2.6	1.2	1.1	19.5	18	<0.1	0.1	<0.1	32	0.26	0.070
27600 84150	Soil	1.0	12.2	9.4	58	<0.1	16.1	7.8	331	2.66	8.9	0.9	2.3	12.0	17	<0.1	0.4	0.1	49	0.17	0.037
27600 84200	Soil	0.5	8.3	12.5	52	<0.1	9.6	6.0	698	2.30	4.7	1.7	2.0	17.1	20	<0.1	0.3	<0.1	28	0.32	0.041
27600 84250	Soil	0.7	10.3	10.2	54	<0.1	11.7	6.9	378	2.51	5.8	1.0	2.1	9.5	16	<0.1	0.3	0.1	41	0.20	0.039
27600 84300	Soil	0.7	8.0	12.2	62	<0.1	6.4	7.8	562	2.58	3.0	1.7	1.0	15.2	12	<0.1	0.4	<0.1	28	0.22	0.062
27600 84350	Soil	0.9	10.3	13.7	62	<0.1	8.3	8.7	500	2.49	4.1	1.7	1.0	13.8	12	<0.1	0.4	0.1	33	0.16	0.031
27600 84400	Soil	1.5	15.4	22.0	93	0.2	10.1	19.0	1395	4.51	5.7	1.0	1.0	8.2	23	0.2	0.3	0.2	86	0.32	0.081
27600 84450	Soil	8.2	25.7	18.3	98	0.1	8.8	13.0	1576	3.65	7.6	3.7	0.8	21.9	8	0.3	0.4	0.8	41	0.09	0.057
27600 84550	Soil	1.0	18.9	11.5	53	<0.1	15.7	7.4	314	2.50	8.5	1.5	2.1	10.9	19	0.1	0.5	0.3	56	0.20	0.022
27600 84600	Soil	1.0	21.2	11.5	61	<0.1	19.0	9.7	488	2.89	11.2	1.7	1.5	8.1	18	0.2	0.5	0.3	57	0.21	0.054



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26400 90450	Soil	145	32	0.52	657	0.042	2	2.37	0.015	0.12	<0.1	0.08	6.3	0.2	0.07	7	0.8	<0.2
27200 89950	Soil	32	15	0.72	452	0.089	<1	1.75	0.015	0.52	0.1	<0.01	5.3	0.1	<0.05	7	<0.5	<0.2
27200 90000	Soil	7	13	0.86	377	0.119	<1	1.79	0.031	0.34	<0.1	<0.01	3.7	0.1	<0.05	5	<0.5	0.3
27200 90100	Soil	8	57	1.82	409	0.151	<1	2.42	0.032	0.17	<0.1	<0.01	5.2	<0.1	<0.05	8	<0.5	<0.2
27200 90150	Soil	44	22	0.40	649	0.031	2	1.51	0.010	0.12	<0.1	0.02	5.6	<0.1	<0.05	4	<0.5	0.2
27200 90200	Soil	21	67	1.00	213	0.041	<1	2.22	0.009	0.19	<0.1	<0.01	6.1	0.1	<0.05	8	<0.5	<0.2
27200 90250	Soil	35	56	0.74	462	0.014	<1	1.78	0.009	0.10	<0.1	<0.01	5.4	<0.1	<0.05	5	<0.5	<0.2
27200 90300	Soil	23	21	0.25	259	0.039	<1	1.34	0.009	0.12	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
27200 90350	Soil	11	66	1.43	155	0.149	<1	3.48	0.015	0.43	<0.1	0.01	4.7	0.2	<0.05	9	<0.5	<0.2
27200 90400	Soil	82	26	0.46	288	0.021	<1	2.03	0.008	0.12	<0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
27200 90450	Soil	30	33	0.68	298	0.120	2	2.25	0.013	0.21	<0.1	0.01	4.1	0.1	<0.05	6	<0.5	<0.2
27200 90500	Soil	40	37	0.67	389	0.090	2	2.21	0.011	0.08	0.1	0.03	6.3	<0.1	<0.05	6	0.6	0.2
27200 90600	Soil	31	26	0.63	353	0.106	1	1.87	0.010	0.18	<0.1	0.01	3.6	<0.1	<0.05	6	<0.5	<0.2
27200 90650	Soil	71	28	0.56	635	0.065	<1	2.17	0.012	0.15	<0.1	0.02	4.2	<0.1	<0.05	7	<0.5	<0.2
27200 90700	Soil	33	10	0.79	356	0.144	<1	1.83	0.010	0.66	<0.1	<0.01	2.9	0.2	<0.05	8	<0.5	<0.2
27600 83850	Soil	12	24	1.58	433	0.137	2	2.34	0.009	0.54	0.1	<0.01	11.9	0.1	<0.05	10	0.5	<0.2
27600 83900	Soil	9	50	1.26	361	0.056	<1	2.07	0.010	0.26	<0.1	<0.01	2.6	<0.1	<0.05	7	<0.5	0.3
27600 83950	Soil	33	5	0.72	181	0.070	<1	1.75	0.008	0.34	<0.1	<0.01	1.8	0.2	<0.05	5	<0.5	<0.2
27600 84000	Soil	31	14	0.65	193	0.081	1	1.83	0.010	0.23	0.1	<0.01	2.3	0.1	<0.05	5	<0.5	<0.2
27600 84050	Soil	60	7	0.61	200	0.043	1	1.58	0.006	0.30	<0.1	<0.01	2.3	0.2	<0.05	6	<0.5	<0.2
27600 84100	Soil	19	8	0.72	139	0.072	2	1.70	0.006	0.42	<0.1	<0.01	1.7	0.2	<0.05	6	<0.5	0.2
27600 84150	Soil	15	27	0.50	168	0.066	2	1.56	0.018	0.21	0.1	0.01	2.4	0.1	<0.05	4	<0.5	<0.2
27600 84200	Soil	29	14	0.42	243	0.036	2	1.27	0.010	0.18	<0.1	0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
27600 84250	Soil	16	20	0.46	190	0.059	2	1.60	0.012	0.19	0.1	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
27600 84300	Soil	18	8	0.45	130	0.047	2	1.32	0.006	0.29	0.1	<0.01	2.7	0.1	<0.05	4	<0.5	<0.2
27600 84350	Soil	18	14	0.43	133	0.048	1	1.34	0.007	0.21	0.1	0.01	2.5	0.1	<0.05	4	<0.5	<0.2
27600 84400	Soil	16	19	1.29	222	0.147	1	2.56	0.011	0.58	<0.1	0.02	3.2	0.2	<0.05	7	<0.5	<0.2
27600 84450	Soil	22	12	0.33	140	0.020	2	1.85	0.007	0.32	0.5	<0.01	3.7	0.2	<0.05	5	<0.5	0.2
27600 84550	Soil	21	28	0.52	172	0.068	2	1.71	0.017	0.07	0.1	0.01	3.3	0.1	<0.05	5	<0.5	<0.2
27600 84600	Soil	20	26	0.54	180	0.061	2	1.85	0.011	0.08	0.2	0.02	3.4	0.1	<0.05	6	0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
27600 84750	Soil	2.1	31.5	14.5	67	0.3	18.5	11.5	1539	2.66	11.1	5.4	1.8	7.0	22	0.4	0.6	0.5	52	0.28	0.072
27600 84800	Soil	0.9	29.9	10.5	88	0.2	17.7	14.1	398	3.45	9.5	1.2	2.1	6.4	20	0.1	0.6	0.6	77	0.35	0.070
26800 90400	Soil	1.3	17.5	9.3	73	0.1	19.5	8.7	373	3.75	9.5	0.6	1.8	6.4	11	<0.1	0.6	0.2	70	0.10	0.048
26800 90450	Soil	1.1	28.7	8.7	64	<0.1	28.4	12.2	342	3.66	9.7	0.5	2.5	3.4	13	0.1	0.6	0.2	86	0.13	0.037
26800 90500	Soil	0.8	23.5	7.7	61	<0.1	20.6	9.8	514	3.02	8.5	1.3	3.1	6.7	23	0.1	0.5	0.2	55	0.27	0.058
26800 90550	Soil	0.9	13.2	9.5	46	<0.1	13.7	6.7	279	2.87	7.4	0.6	2.6	1.3	15	<0.1	0.6	0.2	58	0.15	0.035
26800 90650	Soil	1.3	17.7	8.8	56	<0.1	18.1	8.3	292	3.40	8.7	0.5	3.9	2.4	14	0.1	0.5	0.2	71	0.16	0.041
26800 90200	Soil	2.5	13.9	5.2	91	<0.1	16.4	15.2	707	5.17	3.9	1.4	0.7	6.6	18	0.1	0.3	<0.1	110	0.33	0.089
26800 90750	Soil	1.1	7.0	9.2	26	<0.1	7.2	3.2	129	1.66	5.2	0.4	4.0	2.4	10	<0.1	0.3	0.2	53	0.08	0.019
26800 90800	Soil	1.2	22.8	9.5	69	<0.1	12.8	7.9	351	3.55	8.8	0.6	1.7	8.4	12	0.1	0.4	0.2	63	0.10	0.029
26800 90850	Soil	1.4	13.7	10.6	51	<0.1	11.9	5.8	279	2.76	8.6	0.6	1.6	3.5	10	0.2	0.5	0.2	60	0.08	0.081
26800 90900	Soil	1.1	22.4	11.1	66	<0.1	25.1	11.7	348	3.57	11.6	1.2	4.8	11.9	17	<0.1	0.7	0.2	63	0.16	0.043
26800 90950	Soil	2.7	36.7	10.3	78	0.3	18.7	11.7	865	2.84	5.8	3.1	1.6	11.8	56	0.3	0.3	0.1	39	0.76	0.093
26900 89800	Soil	1.1	42.6	2.1	50	<0.1	17.0	11.9	466	3.18	1.3	0.7	1.9	1.0	36	<0.1	0.1	<0.1	69	0.74	0.106
26900 89850	Soil	0.4	43.4	2.9	47	<0.1	24.5	12.4	322	2.92	2.5	0.4	1.5	1.2	22	<0.1	0.2	<0.1	65	0.66	0.133
26900 89900	Soil	0.3	45.1	2.6	49	<0.1	24.2	14.7	348	2.92	1.5	0.4	1.2	2.1	27	<0.1	0.1	<0.1	66	0.70	0.092
26900 90100	Soil	2.1	19.3	7.3	65	<0.1	15.9	9.2	355	3.14	5.0	1.1	2.1	6.6	16	0.1	0.3	0.1	53	0.19	0.038
26900 90150	Soil	2.5	21.9	7.3	79	<0.1	16.0	13.6	435	3.46	6.1	1.0	2.9	9.5	14	0.1	0.4	<0.1	50	0.16	0.058
26900 90200	Soil	8.0	52.1	5.0	97	<0.1	11.0	13.0	515	4.02	3.2	1.9	2.4	16.7	17	0.1	0.3	<0.1	42	0.24	0.091
26900 90250	Soil	6.5	28.9	5.1	130	<0.1	9.5	9.5	468	4.89	1.2	1.8	<0.5	12.2	13	<0.1	0.2	<0.1	43	0.21	0.100
26900 90300	Soil	0.5	54.4	5.4	99	<0.1	5.8	9.0	440	3.82	3.0	0.9	0.8	22.6	10	<0.1	0.2	<0.1	40	0.07	0.041
26900 90350	Soil	0.9	30.6	7.7	94	<0.1	21.9	10.8	392	3.54	8.8	0.7	1.2	7.7	13	<0.1	0.5	0.1	64	0.15	0.038
26900 90400	Soil	0.5	39.5	5.2	84	<0.1	67.1	16.1	508	4.46	3.8	1.0	<0.5	12.6	14	<0.1	0.2	<0.1	71	0.22	0.182
26900 90450	Soil	0.8	24.0	6.1	80	<0.1	8.1	8.8	442	3.79	2.7	0.6	0.7	10.3	13	<0.1	0.2	<0.1	46	0.16	0.058
26900 90550	Soil	0.8	36.4	6.5	79	<0.1	16.4	12.9	547	3.85	5.3	1.0	1.8	6.8	22	<0.1	0.3	0.1	69	0.31	0.065
26900 90600	Soil	0.7	40.8	5.3	83	<0.1	15.3	15.3	713	3.77	4.0	0.8	0.7	7.0	14	0.2	0.4	<0.1	59	0.23	0.075
26900 90650	Soil	0.7	24.6	6.9	71	<0.1	21.3	13.2	507	3.36	4.6	0.8	2.1	7.6	19	<0.1	0.5	0.1	59	0.27	0.051
26900 90700	Soil	0.8	23.5	7.6	72	<0.1	16.3	11.2	486	3.36	5.2	1.1	0.7	11.5	22	<0.1	0.4	<0.1	52	0.23	0.042
26900 90750	Soil	1.5	12.6	7.3	83	<0.1	9.8	8.5	454	3.44	4.1	1.1	1.0	15.1	15	0.1	0.3	<0.1	31	0.21	0.070
26900 90800	Soil	0.8	17.9	8.5	78	<0.1	14.1	9.5	505	3.37	3.7	0.9	4.0	20.7	23	<0.1	0.2	<0.1	39	0.29	0.070



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Project: Mariposa
Report Date: October 05, 2010

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
27600 84750	Soil	43	26	0.51	266	0.035	2	1.58	0.014	0.08	0.3	0.06	4.1	0.1	<0.05	5	1.0	<0.2
27600 84800	Soil	22	26	0.92	287	0.104	1	1.99	0.014	0.23	0.6	0.04	5.5	0.2	<0.05	6	1.1	<0.2
26800 90400	Soil	11	32	0.70	203	0.062	<1	2.46	0.009	0.15	0.1	0.03	3.7	0.1	<0.05	7	<0.5	<0.2
26800 90450	Soil	9	44	0.85	210	0.100	2	2.73	0.011	0.10	<0.1	0.01	4.4	0.1	<0.05	7	<0.5	<0.2
26800 90500	Soil	33	27	0.63	363	0.060	<1	1.78	0.010	0.09	0.1	0.03	5.6	0.1	<0.05	5	<0.5	<0.2
26800 90550	Soil	13	23	0.38	281	0.029	2	1.72	0.008	0.07	<0.1	0.03	2.9	0.1	<0.05	7	<0.5	<0.2
26800 90650	Soil	14	29	0.60	141	0.081	1	1.75	0.010	0.08	0.1	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
26800 90200	Soil	10	21	0.97	207	0.117	1	3.06	0.015	0.34	<0.1	0.01	7.9	0.2	<0.05	9	0.7	<0.2
26800 90750	Soil	12	17	0.27	83	0.060	1	1.20	0.009	0.04	<0.1	0.01	1.8	<0.1	<0.05	7	<0.5	<0.2
26800 90800	Soil	13	25	0.56	134	0.098	<1	1.89	0.009	0.15	0.1	0.01	3.2	0.1	<0.05	8	<0.5	<0.2
26800 90850	Soil	19	21	0.38	101	0.060	2	1.61	0.010	0.09	0.1	0.03	2.5	<0.1	<0.05	8	<0.5	<0.2
26800 90900	Soil	30	39	0.65	210	0.061	2	2.65	0.011	0.06	0.1	0.03	4.2	0.1	<0.05	6	0.7	0.3
26800 90950	Soil	158	26	0.57	606	0.049	<1	1.66	0.012	0.09	<0.1	0.07	5.4	0.1	<0.05	7	1.4	<0.2
26900 89800	Soil	4	34	0.85	334	0.032	<1	2.12	0.032	0.12	<0.1	0.01	9.4	<0.1	<0.05	5	<0.5	<0.2
26900 89850	Soil	6	44	0.88	224	0.050	<1	1.96	0.030	0.05	<0.1	0.01	6.3	<0.1	<0.05	5	<0.5	0.3
26900 89900	Soil	7	42	1.11	228	0.067	<1	2.22	0.031	0.10	<0.1	<0.01	6.9	<0.1	<0.05	5	<0.5	<0.2
26900 90100	Soil	18	29	0.61	253	0.042	1	1.85	0.017	0.08	0.1	0.01	3.5	<0.1	<0.05	6	0.5	<0.2
26900 90150	Soil	22	24	0.55	166	0.055	<1	1.93	0.010	0.15	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
26900 90200	Soil	38	13	0.55	275	0.060	<1	1.82	0.009	0.34	<0.1	<0.01	3.9	0.1	<0.05	5	<0.5	<0.2
26900 90250	Soil	36	16	0.58	323	0.043	<1	1.89	0.007	0.35	<0.1	<0.01	5.5	0.2	<0.05	7	<0.5	<0.2
26900 90300	Soil	30	9	0.62	218	0.110	<1	2.19	0.012	0.62	<0.1	<0.01	3.6	0.2	<0.05	8	<0.5	<0.2
26900 90350	Soil	12	30	0.78	259	0.151	<1	2.61	0.010	0.30	<0.1	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
26900 90400	Soil	41	69	1.42	276	0.154	<1	2.72	0.009	0.38	<0.1	<0.01	5.5	0.2	<0.05	9	<0.5	<0.2
26900 90450	Soil	7	10	0.65	267	0.138	<1	2.40	0.005	0.48	<0.1	<0.01	4.3	0.2	<0.05	8	<0.5	<0.2
26900 90550	Soil	28	27	0.86	339	0.119	<1	2.09	0.016	0.25	<0.1	0.02	4.9	0.1	<0.05	7	<0.5	<0.2
26900 90600	Soil	16	22	0.77	202	0.134	<1	2.04	0.012	0.35	<0.1	<0.01	4.1	0.2	<0.05	6	<0.5	<0.2
26900 90650	Soil	19	32	0.88	325	0.081	1	1.87	0.012	0.12	<0.1	<0.01	4.6	0.1	<0.05	6	<0.5	<0.2
26900 90700	Soil	40	24	0.72	390	0.073	<1	1.82	0.013	0.12	<0.1	0.03	5.2	0.1	<0.05	6	<0.5	<0.2
26900 90750	Soil	14	12	0.42	236	0.019	<1	1.36	0.011	0.10	<0.1	<0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
26900 90800	Soil	36	18	0.71	270	0.044	<1	1.86	0.012	0.12	<0.1	<0.01	3.1	<0.1	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
26900 90850	Soil	1.1	17.8	8.8	69	<0.1	16.3	11.0	412	3.37	7.5	0.9	1.1	12.1	23	0.1	0.4	0.1	52	0.26	0.049
26900 90900	Soil	1.1	17.2	8.2	66	<0.1	19.6	10.6	448	2.87	6.3	0.8	1.9	9.1	24	<0.1	0.3	0.1	56	0.29	0.050
26900 11000	Soil	0.6	22.6	9.8	78	<0.1	40.5	13.6	452	3.61	3.9	0.8	0.7	11.8	40	<0.1	0.2	0.1	61	0.43	0.136



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26900 90850	Soil	31	27	0.68	239	0.072	1	2.18	0.011	0.10	<0.1	0.02	3.4	0.1	<0.05	6	0.9	<0.2
26900 90900	Soil	32	28	0.68	253	0.087	1	1.68	0.013	0.08	<0.1	0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
26900 11000	Soil	37	59	1.17	350	0.188	1	2.14	0.016	0.30	0.1	<0.01	2.8	0.2	<0.05	7	0.5	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
Pulp Duplicates		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
MT1-12	Soil	2.4	167.2	40.3	134	0.1	15.4	8.9	471	4.16	5.8	1.1	84.5	7.3	25	0.2	0.6	0.8	58	0.27
REP MT1-12	QC	2.5	165.6	39.1	139	0.1	15.8	8.7	471	4.06	5.6	1.0	85.5	6.6	24	0.2	0.6	0.7	59	0.26
MT2-06	Soil	2.5	29.9	12.3	49	0.2	19.6	6.7	206	2.82	8.2	1.3	24.1	5.0	18	0.1	0.5	0.2	62	0.19
REP MT2-06	QC	2.6	29.2	12.1	49	0.2	20.3	6.7	207	2.86	8.3	1.3	23.2	5.1	19	<0.1	0.5	0.2	62	0.20
26700 90350	Soil	1.3	19.7	7.9	108	<0.1	19.3	9.0	1065	2.95	7.5	0.5	1.1	5.3	44	0.3	0.4	0.1	57	0.66
REP 26700 90350	QC	1.1	21.6	7.8	111	<0.1	20.9	10.3	1223	3.29	7.9	0.5	1.4	5.6	41	0.3	0.4	0.2	61	0.75
26700 90650	Soil	1.5	21.1	8.9	72	<0.1	14.7	13.9	563	3.33	4.5	0.8	1.7	5.9	19	<0.1	0.3	<0.1	49	0.36
REP 26700 90650	QC	1.6	19.8	8.1	70	<0.1	14.7	13.9	552	3.20	4.5	0.7	5.6	5.5	20	<0.1	0.3	<0.1	47	0.34
27000 90550	Soil	0.9	18.5	7.0	89	<0.1	16.4	14.0	573	3.58	5.7	0.7	2.4	7.5	15	0.1	0.3	0.1	62	0.21
REP 27000 90550	QC	0.7	17.1	6.8	85	<0.1	15.3	13.5	583	3.55	6.3	0.7	1.6	7.5	16	0.2	0.3	0.1	60	0.22
26500 90550	Soil	2.3	43.7	7.3	78	<0.1	52.5	15.2	427	3.51	6.6	0.8	6.3	5.0	38	0.1	0.3	0.2	79	0.44
REP 26500 90550	QC	2.4	43.1	7.5	76	<0.1	53.0	15.4	410	3.40	6.4	0.7	2.5	5.0	36	<0.1	0.3	0.1	79	0.42
27400 84050	Soil	0.5	10.3	9.6	85	<0.1	11.9	13.9	742	3.86	5.0	0.9	2.3	14.3	91	<0.1	0.2	0.1	62	0.79
REP 27400 84050	QC	0.5	9.9	9.7	83	<0.1	11.9	14.0	750	3.96	5.1	0.9	1.5	13.8	92	<0.1	0.2	<0.1	63	0.81
26400 89850	Soil	1.8	25.6	7.3	58	<0.1	15.9	6.1	294	2.21	5.3	2.1	7.1	8.0	18	0.1	0.3	<0.1	36	0.29
REP 26400 89850	QC	1.7	25.3	7.1	57	<0.1	15.9	6.0	287	2.19	5.3	2.1	7.0	7.9	18	0.1	0.3	<0.1	35	0.28
27200 90150	Soil	1.3	27.7	7.3	57	<0.1	16.8	6.9	421	3.04	4.0	0.9	63.0	12.3	24	<0.1	0.4	0.1	34	0.26
REP 27200 90150	QC	1.4	26.8	7.0	58	<0.1	18.2	7.0	397	2.96	3.8	0.9	54.6	12.8	24	<0.1	0.4	0.1	33	0.25
27600 84300	Soil	0.7	8.0	12.2	62	<0.1	6.4	7.8	562	2.58	3.0	1.7	1.0	15.2	12	<0.1	0.4	<0.1	28	0.22
REP 27600 84300	QC	0.8	7.6	12.3	61	<0.1	5.8	7.8	551	2.55	3.0	1.6	1.6	14.7	12	<0.1	0.3	<0.1	28	0.21
26900 90200	Soil	8.0	52.1	5.0	97	<0.1	11.0	13.0	515	4.02	3.2	1.9	2.4	16.7	17	0.1	0.3	<0.1	42	0.24
REP 26900 90200	QC	8.1	53.3	4.9	95	<0.1	11.1	12.5	507	3.94	3.4	1.8	<0.5	16.1	17	<0.1	0.3	<0.1	42	0.23
Reference Materials																				
STD DS7	Standard	20.2	96.2	61.8	379	0.9	53.7	9.3	611	2.32	51.8	4.4	70.7	4.3	66	6.1	5.5	4.2	80	0.91
STD DS7	Standard	20.4	91.6	58.1	371	0.9	52.3	8.9	584	2.23	49.7	4.3	67.9	4.3	69	5.8	5.6	3.9	79	0.93
STD DS7	Standard	21.5	110.3	70.7	414	1.0	57.5	9.0	614	2.40	55.3	5.0	73.6	4.6	76	6.1	6.3	5.0	86	0.89
STD DS7	Standard	20.0	97.8	57.5	367	0.9	52.4	9.1	589	2.24	48.0	4.3	59.7	4.1	71	5.6	5.4	4.1	76	0.88
STD DS7	Standard	19.4	110.2	70.5	414	1.1	57.2	9.2	671	2.50	58.4	4.8	62.0	4.4	76	6.6	6.3	5.0	83	0.92



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Project: Mariposa

Report Date: October 05, 2010

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QUALITY CONTROL REPORT

WHI10000395.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
MT1-12	Soil	31	23	0.59	799	0.095	1	2.35	0.014	0.26	0.2	0.03	7.0	0.3	<0.05	6	<0.5	0.4
REP MT1-12	QC	31	23	0.60	769	0.091	1	2.33	0.014	0.26	0.2	0.03	6.8	0.3	<0.05	7	<0.5	<0.2
MT2-06	Soil	15	37	0.43	334	0.057	1	2.00	0.012	0.05	0.1	0.04	5.3	0.2	<0.05	6	<0.5	<0.2
REP MT2-06	QC	16	36	0.44	344	0.062	1	2.09	0.011	0.05	0.2	0.05	5.4	0.1	<0.05	6	<0.5	<0.2
26700 90350	Soil	13	27	0.63	408	0.077	3	2.01	0.015	0.23	0.1	0.01	3.6	0.1	<0.05	6	<0.5	<0.2
REP 26700 90350	QC	13	30	0.70	409	0.090	3	2.30	0.015	0.24	<0.1	0.02	4.2	0.1	<0.05	7	<0.5	<0.2
26700 90650	Soil	19	22	0.63	258	0.101	1	1.88	0.009	0.20	<0.1	0.02	5.5	0.1	<0.05	6	<0.5	<0.2
REP 26700 90650	QC	21	21	0.65	267	0.105	2	1.98	0.010	0.20	<0.1	0.02	5.3	0.1	<0.05	7	<0.5	<0.2
27000 90550	Soil	13	25	0.73	180	0.121	1	2.58	0.012	0.32	0.1	0.02	2.9	0.2	<0.05	8	<0.5	<0.2
REP 27000 90550	QC	13	24	0.73	175	0.119	1	2.64	0.014	0.30	<0.1	0.02	3.0	0.1	<0.05	7	<0.5	<0.2
26500 90550	Soil	14	87	1.25	202	0.175	2	2.27	0.023	0.25	0.1	0.01	3.5	0.2	<0.05	8	0.5	<0.2
REP 26500 90550	QC	15	87	1.23	205	0.174	1	2.22	0.018	0.25	0.1	0.02	3.4	0.2	<0.05	8	<0.5	0.2
27400 84050	Soil	20	19	0.97	182	0.176	2	2.60	0.014	0.21	0.1	<0.01	2.4	<0.1	<0.05	9	<0.5	<0.2
REP 27400 84050	QC	19	19	0.99	182	0.184	2	2.72	0.016	0.21	0.1	<0.01	2.5	0.1	<0.05	9	<0.5	<0.2
26400 89850	Soil	31	24	0.41	314	0.061	1	1.46	0.011	0.13	0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
REP 26400 89850	QC	31	24	0.40	304	0.060	2	1.44	0.012	0.13	0.1	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
27200 90150	Soil	44	22	0.40	649	0.031	2	1.51	0.010	0.12	<0.1	0.02	5.6	<0.1	<0.05	4	<0.5	0.2
REP 27200 90150	QC	42	21	0.41	631	0.031	<1	1.50	0.013	0.12	<0.1	0.02	5.4	<0.1	<0.05	4	<0.5	<0.2
27600 84300	Soil	18	8	0.45	130	0.047	2	1.32	0.006	0.29	0.1	<0.01	2.7	0.1	<0.05	4	<0.5	<0.2
REP 27600 84300	QC	18	8	0.45	130	0.045	2	1.27	0.006	0.27	<0.1	0.01	2.5	0.1	<0.05	4	<0.5	<0.2
26900 90200	Soil	38	13	0.55	275	0.060	<1	1.82	0.009	0.34	<0.1	<0.01	3.9	0.1	<0.05	5	<0.5	<0.2
REP 26900 90200	QC	39	14	0.55	276	0.061	<1	1.81	0.011	0.34	<0.1	<0.01	3.9	0.1	<0.05	5	0.5	<0.2
Reference Materials																		
STD DS7	Standard	12	184	1.04	406	0.113	41	0.99	0.096	0.44	4.0	0.21	2.3	4.2	0.19	5	3.0	1.1
STD DS7	Standard	13	198	0.99	380	0.115	39	1.01	0.099	0.45	3.7	0.22	2.6	4.0	0.17	5	3.0	0.9
STD DS7	Standard	13	193	1.06	416	0.118	38	1.00	0.098	0.45	3.8	0.23	2.4	4.1	0.16	5	3.5	1.4
STD DS7	Standard	12	170	0.92	352	0.113	32	0.91	0.082	0.43	3.6	0.20	2.3	3.9	0.14	5	3.1	1.3
STD DS7	Standard	12	186	1.08	396	0.116	39	1.05	0.103	0.49	3.7	0.22	2.4	4.1	0.25	5	3.0	2.2



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Project: Mariposa

Report Date: October 05, 2010

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QUALITY CONTROL REPORT

WHI10000395.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS7	Standard	22.0	112.5	74.2	404	1.0	56.7	9.5	650	2.49	53.8	5.8	71.0	5.1	100	6.4	7.5	5.7	88	1.01	0.079
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa

Report Date: October 05, 2010

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QUALITY CONTROL REPORT

WHI10000395.1

		1DX15 La ppm 1	1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
STD DS7	Standard	15	201	1.09	413	0.136	39	1.12	0.108	0.49	3.8	0.24	2.9	4.2	0.24	5	3.1	0.7
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: September 10, 2010

Report Date: October 18, 2010

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CERTIFICATE OF ANALYSIS

WHI10000438.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-10
P.O. Number
Number of Samples: 229

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
PICKUP-RJT Client to Pickup Rejects

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
John Brock

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	229	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	229	Dry at 60C			WHI
RJSV	229	Saving all or part of Soil Reject			WHI
1DX2	229	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

WHI10000438.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
22400 88650	Soil	1.5	31.3	10.7	143	0.1	61.1	15.0	536	3.66	19.3	1.0	3.4	5.6	55	0.3	0.4	0.1	50	0.66
22400 88700	Soil	1.6	33.8	7.0	71	<0.1	27.8	14.1	394	3.21	5.3	0.9	2.9	3.2	30	<0.1	0.2	0.1	67	0.48
22400 88750	Soil	1.1	37.8	8.4	69	0.2	19.4	14.0	477	3.05	5.7	1.1	4.6	3.6	27	0.1	0.2	0.1	58	0.44
22400 88800	Soil	0.7	16.4	3.7	80	<0.1	12.4	14.9	526	3.29	2.2	0.5	2.0	2.0	28	<0.1	0.1	<0.1	68	0.75
22400 88850	Soil	1.1	37.8	6.0	67	0.1	21.2	21.0	856	5.22	5.7	1.0	2.3	5.4	59	<0.1	0.3	0.2	135	0.84
22400 88900	Soil	1.2	22.5	7.2	54	<0.1	12.5	10.2	228	2.41	5.8	0.6	2.7	2.6	27	<0.1	0.2	0.1	53	0.30
22400 88950	Soil	0.8	20.8	5.4	91	0.1	10.3	18.3	428	4.42	3.9	0.6	1.5	3.4	22	<0.1	0.2	<0.1	86	0.43
22400 89050	Soil	0.3	23.0	1.9	90	<0.1	8.7	10.5	550	3.52	2.0	0.6	1.8	3.6	14	<0.1	<0.1	<0.1	56	0.39
22400 89100	Soil	0.8	26.0	7.0	81	0.2	21.9	13.0	456	3.51	8.6	1.0	4.1	3.1	31	0.1	0.1	<0.1	71	0.56
22400 89150	Soil	1.1	14.5	5.8	61	<0.1	17.8	9.8	307	2.78	9.8	0.3	5.4	1.8	23	0.1	0.1	<0.1	59	0.44
22400 89200	Soil	0.6	28.3	4.6	72	0.1	29.5	17.2	487	3.65	3.8	0.5	2.4	1.6	39	<0.1	<0.1	<0.1	85	0.71
22400 89250	Soil	0.6	22.4	3.9	74	<0.1	11.3	14.5	345	3.80	3.8	0.3	1.4	1.2	30	<0.1	0.2	<0.1	102	0.72
22400 89300	Soil	0.5	22.5	6.1	94	<0.1	6.7	12.1	343	3.63	3.7	0.3	0.9	1.4	23	<0.1	0.2	<0.1	71	0.37
22400 89350	Soil	0.4	17.2	5.3	88	<0.1	17.2	15.1	489	3.62	3.3	0.4	<0.5	1.5	24	<0.1	0.1	<0.1	81	0.48
22400 89400	Soil	0.6	29.0	5.1	75	<0.1	10.4	12.6	421	3.75	4.4	0.4	1.0	2.0	18	<0.1	0.1	<0.1	77	0.31
22400 89450	Soil	1.5	30.6	4.7	77	<0.1	11.9	13.6	461	3.75	3.9	0.5	7.0	2.7	17	<0.1	0.2	<0.1	79	0.31
22400 89500	Soil	0.4	23.9	3.5	96	<0.1	8.4	9.3	432	3.52	2.3	0.4	3.2	2.4	12	<0.1	<0.1	<0.1	52	0.28
22400 89550	Soil	1.8	31.9	3.3	93	<0.1	9.7	16.0	204	4.63	2.4	0.4	<0.5	1.1	12	<0.1	0.1	<0.1	146	0.19
22400 89600	Soil	0.8	27.5	6.7	79	<0.1	11.2	16.5	345	4.47	3.9	0.6	2.0	2.1	18	<0.1	0.2	<0.1	118	0.37
22400 89650	Soil	1.0	17.5	5.7	74	<0.1	12.0	13.6	368	3.50	4.3	0.4	3.9	2.0	12	0.1	0.2	0.1	82	0.26
22400 89700	Soil	0.8	17.1	6.5	73	<0.1	9.2	11.1	354	3.10	3.3	0.5	2.0	1.6	11	<0.1	0.1	0.1	74	0.26
22400 89750	Soil	1.2	17.6	4.3	96	<0.1	13.9	14.2	424	3.24	2.7	0.6	2.8	2.1	14	<0.1	0.2	<0.1	72	0.35
22500 88650	Soil	2.5	29.4	7.5	68	<0.1	20.6	12.8	354	3.55	11.5	1.0	2.1	3.5	32	<0.1	0.2	<0.1	65	0.48
22500 88700	Soil	1.0	23.7	6.2	78	<0.1	12.4	11.7	300	2.96	4.1	0.8	2.7	2.8	29	<0.1	0.2	<0.1	64	0.51
22500 88800	Soil	1.6	18.0	5.8	58	<0.1	10.7	9.7	381	2.69	5.2	0.5	2.3	2.5	20	<0.1	0.2	<0.1	52	0.35
22500 88850	Soil	1.2	20.5	6.4	65	0.1	16.3	12.0	399	3.22	6.4	0.7	3.2	2.7	20	0.1	0.2	0.1	65	0.33
22500 88900	Soil	0.4	14.8	3.3	90	<0.1	7.2	10.1	606	3.34	2.5	0.3	1.7	1.5	23	<0.1	<0.1	<0.1	54	0.45
22500 89000	Soil	1.8	23.7	10.2	107	0.2	15.0	15.5	578	5.08	24.4	1.1	3.8	3.8	32	0.2	0.2	0.3	100	0.64
22500 89050	Soil	1.4	16.0	7.9	71	0.1	17.5	10.5	440	3.39	16.0	0.5	2.0	2.7	23	0.2	0.2	<0.1	68	0.32
22500 89100	Soil	0.9	20.7	5.9	83	0.2	23.0	11.8	519	3.53	36.6	0.6	2.5	2.1	33	<0.1	0.1	<0.1	74	0.65



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Project: Mariposa
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22400 88650	Soil	24	58	0.71	767	0.030	2	1.38	0.014	0.11	0.1	0.03	6.1	<0.1	<0.05	4	<0.5	0.4
22400 88700	Soil	16	40	0.97	490	0.097	2	1.67	0.025	0.19	0.1	0.02	5.5	0.1	<0.05	6	<0.5	<0.2
22400 88750	Soil	16	30	0.83	281	0.100	<1	1.70	0.014	0.18	0.1	0.04	5.8	0.1	<0.05	6	<0.5	<0.2
22400 88800	Soil	11	15	1.17	405	0.121	1	2.08	0.024	0.53	<0.1	0.01	5.6	0.2	<0.05	7	<0.5	<0.2
22400 88850	Soil	15	37	2.02	449	0.222	3	2.00	0.029	0.23	0.2	0.03	14.9	0.3	<0.05	8	<0.5	<0.2
22400 88900	Soil	11	21	0.69	235	0.069	2	1.55	0.016	0.09	0.1	<0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
22400 88950	Soil	14	19	1.20	287	0.093	1	2.06	0.012	0.16	<0.1	0.02	6.7	0.1	<0.05	8	<0.5	<0.2
22400 89050	Soil	9	31	1.00	263	0.255	<1	1.63	0.013	1.01	0.2	0.01	2.2	0.4	<0.05	7	<0.5	<0.2
22400 89100	Soil	14	32	0.99	284	0.162	1	1.84	0.013	0.35	0.1	0.04	4.7	0.2	<0.05	6	<0.5	<0.2
22400 89150	Soil	8	30	0.82	200	0.141	2	1.46	0.016	0.19	<0.1	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
22400 89200	Soil	9	60	1.38	310	0.219	3	2.00	0.040	0.55	<0.1	0.02	5.1	0.2	<0.05	6	<0.5	<0.2
22400 89250	Soil	4	19	1.24	338	0.226	2	2.54	0.027	0.88	<0.1	0.03	3.9	0.3	<0.05	7	<0.5	<0.2
22400 89300	Soil	4	11	1.03	281	0.136	1	2.01	0.013	0.61	<0.1	0.01	3.0	0.1	<0.05	6	<0.5	<0.2
22400 89350	Soil	4	24	1.79	308	0.211	2	2.40	0.013	0.78	<0.1	0.01	4.7	0.3	<0.05	7	<0.5	<0.2
22400 89400	Soil	6	10	1.14	227	0.213	2	2.07	0.016	0.64	<0.1	0.01	3.3	0.3	<0.05	6	<0.5	<0.2
22400 89450	Soil	15	18	1.18	266	0.221	<1	2.07	0.022	0.61	0.1	0.02	4.5	0.3	<0.05	6	<0.5	<0.2
22400 89500	Soil	10	9	0.82	209	0.107	2	1.70	0.011	0.42	0.2	0.01	4.1	0.2	<0.05	6	<0.5	<0.2
22400 89550	Soil	7	14	1.44	255	0.297	<1	2.74	0.017	1.06	<0.1	<0.01	6.7	0.5	<0.05	9	<0.5	<0.2
22400 89600	Soil	9	24	1.19	287	0.198	2	2.57	0.026	0.55	<0.1	0.02	6.3	0.2	<0.05	8	<0.5	<0.2
22400 89650	Soil	8	22	1.14	172	0.144	2	2.05	0.030	0.30	<0.1	0.02	5.9	0.2	<0.05	8	<0.5	<0.2
22400 89700	Soil	10	19	1.15	150	0.123	2	1.88	0.017	0.24	<0.1	0.02	6.3	<0.1	<0.05	9	<0.5	<0.2
22400 89750	Soil	11	26	1.66	193	0.129	<1	2.05	0.015	0.22	0.1	0.03	9.2	0.1	<0.05	10	<0.5	<0.2
22500 88650	Soil	13	32	0.86	415	0.100	1	1.70	0.017	0.18	0.1	0.02	4.9	0.1	<0.05	6	<0.5	0.2
22500 88700	Soil	11	22	0.95	360	0.102	2	1.74	0.014	0.27	<0.1	0.02	5.6	0.2	<0.05	6	<0.5	<0.2
22500 88800	Soil	9	26	0.71	210	0.117	1	1.42	0.013	0.25	0.1	0.03	3.2	0.1	<0.05	5	<0.5	<0.2
22500 88850	Soil	10	29	0.82	224	0.128	1	1.76	0.017	0.20	0.1	0.05	4.0	0.1	<0.05	6	<0.5	<0.2
22500 88900	Soil	5	20	1.27	308	0.212	2	2.02	0.009	0.79	0.1	0.02	2.1	0.2	<0.05	7	<0.5	<0.2
22500 89000	Soil	17	18	0.98	395	0.107	2	1.96	0.015	0.32	0.1	0.04	7.3	0.3	<0.05	7	<0.5	0.2
22500 89050	Soil	10	26	0.89	204	0.137	<1	1.74	0.012	0.32	<0.1	0.02	3.5	0.2	<0.05	6	<0.5	0.2
22500 89100	Soil	12	37	1.18	374	0.213	1	1.99	0.018	0.55	0.1	0.03	3.6	0.3	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22500 89150	Soil	0.7	18.1	5.0	73	<0.1	34.4	14.0	413	3.49	5.0	0.5	2.1	2.4	37	<0.1	0.1	<0.1	75	0.52	0.110
22500 89200	Soil	0.9	14.6	5.5	71	<0.1	21.7	11.8	419	3.21	4.9	0.5	2.3	2.3	35	<0.1	0.1	<0.1	68	0.64	0.112
22500 89300	Soil	0.9	22.3	6.3	90	<0.1	10.9	10.4	490	4.28	3.8	0.4	0.6	2.1	14	<0.1	0.2	<0.1	76	0.26	0.046
22500 89350	Soil	1.1	19.6	6.0	67	<0.1	15.0	11.0	413	3.68	5.1	0.3	1.0	1.7	17	<0.1	0.2	<0.1	79	0.26	0.032
22500 89400	Soil	0.8	35.6	6.7	79	<0.1	19.8	14.5	556	4.37	4.9	0.8	6.4	5.5	17	<0.1	0.4	<0.1	85	0.26	0.036
22500 89450	Soil	1.6	20.9	7.9	102	0.1	17.0	14.9	618	3.81	6.3	0.4	2.5	2.9	28	<0.1	0.4	0.1	75	0.35	0.037
22500 89500	Soil	1.1	16.0	4.6	83	<0.1	11.2	12.7	552	3.12	5.4	0.5	1.7	4.5	10	0.2	0.3	<0.1	61	0.08	0.027
22500 89550	Soil	1.3	20.1	6.8	97	<0.1	14.8	12.1	596	3.59	7.1	0.4	1.4	1.2	15	0.2	0.3	0.1	80	0.25	0.111
22500 89600	Soil	0.9	30.2	7.9	127	<0.1	14.0	10.4	361	3.17	6.0	0.4	1.3	2.4	11	0.2	0.3	0.1	70	0.17	0.076
22500 89650	Soil	0.6	40.2	10.7	66	0.2	9.2	6.9	215	2.67	3.5	1.1	2.0	2.3	13	0.3	0.2	0.1	59	0.20	0.088
23000 88450	Soil	1.0	17.2	8.3	91	<0.1	14.1	12.8	655	3.92	4.6	0.6	0.9	3.7	19	<0.1	0.1	<0.1	63	0.30	0.063
23000 88500	Soil	1.0	13.5	5.8	40	<0.1	11.3	7.1	286	2.06	4.7	1.0	2.2	7.1	11	<0.1	0.3	0.1	27	0.20	0.025
23000 88550	Soil	1.6	24.2	9.9	78	<0.1	41.4	14.7	428	3.94	4.8	0.6	1.7	4.8	19	<0.1	0.2	0.2	56	0.26	0.073
23000 88600	Soil	0.6	13.6	10.2	69	<0.1	13.2	9.5	879	2.44	6.1	0.4	4.4	2.2	45	<0.1	0.3	0.1	43	0.64	0.048
23000 88650	Soil	0.6	68.0	6.6	100	<0.1	15.2	20.4	777	4.81	3.1	0.9	3.1	3.5	17	<0.1	0.3	0.3	56	0.22	0.035
23000 88700	Soil	0.9	23.4	4.1	77	<0.1	14.4	14.0	523	4.50	4.2	0.8	4.2	4.8	13	<0.1	0.4	0.1	84	0.11	0.020
23000 88800	Soil	0.7	42.9	5.3	65	<0.1	15.9	8.9	503	3.11	5.6	0.9	3.2	5.7	14	<0.1	0.4	<0.1	53	0.16	0.035
23000 88850	Soil	0.4	76.1	3.6	221	<0.1	17.3	22.6	1341	6.22	1.9	0.7	232.1	3.2	28	<0.1	0.2	<0.1	186	0.68	0.108
23000 89000	Soil	1.0	22.3	8.2	57	<0.1	16.4	9.6	316	3.03	7.1	0.4	1.3	2.2	15	<0.1	0.3	0.1	88	0.20	0.047
23000 89100	Soil	1.1	63.0	7.0	61	0.3	27.3	14.2	711	2.83	6.2	1.8	11.1	1.8	44	<0.1	0.4	0.1	68	0.64	0.104
23000 89150	Soil	1.1	24.1	7.7	55	<0.1	44.9	14.9	418	3.31	5.1	0.6	2.7	2.9	27	<0.1	0.2	0.1	86	0.38	0.066
23000 89350	Soil	2.0	18.7	8.7	76	0.1	18.5	12.4	554	3.79	6.6	0.6	12.4	3.5	18	0.1	0.4	0.2	90	0.23	0.037
23000 89400	Soil	0.9	15.4	5.8	69	<0.1	14.7	12.0	533	3.19	5.0	0.5	3.1	3.9	15	0.1	0.3	0.1	74	0.22	0.047
23000 89450	Soil	0.9	16.2	6.5	69	<0.1	14.3	11.2	490	3.20	5.4	0.5	7.3	3.5	14	0.1	0.3	0.1	73	0.17	0.042
23000 89500	Soil	1.3	23.7	8.7	63	<0.1	23.6	11.2	489	2.94	7.8	1.3	4.3	4.9	24	<0.1	0.5	0.1	67	0.31	0.043
23000 89600	Soil	0.8	14.7	4.2	97	<0.1	10.8	15.7	866	3.25	3.9	0.4	5.6	3.4	14	<0.1	0.2	<0.1	84	0.29	0.082
23300 88500	Soil	0.4	17.0	3.6	90	<0.1	11.9	10.0	527	3.93	2.2	0.6	<0.5	6.6	15	<0.1	0.1	<0.1	41	0.27	0.052
23300 88550	Soil	0.8	51.3	7.0	64	<0.1	21.6	16.8	472	3.55	2.9	0.6	6.0	2.7	36	<0.1	0.2	<0.1	82	0.97	0.198
23300 88600	Soil	1.4	24.2	10.4	50	<0.1	28.0	8.7	378	2.20	5.3	0.8	6.2	3.7	23	<0.1	0.4	<0.1	21	0.27	0.068
23300 88650	Soil	2.8	39.6	8.2	86	<0.1	24.5	16.6	824	4.52	12.3	0.8	8.6	3.9	24	<0.1	0.3	0.2	80	0.56	0.066



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22500 89150	Soil	11	50	1.25	286	0.222	<1	1.87	0.018	0.40	0.1	0.01	3.0	0.2	<0.05	5	<0.5	<0.2
22500 89200	Soil	11	33	1.02	349	0.191	<1	1.76	0.017	0.28	0.1	0.03	3.2	0.2	<0.05	6	<0.5	<0.2
22500 89300	Soil	8	22	0.97	254	0.166	2	2.04	0.021	0.63	<0.1	0.01	6.5	0.3	<0.05	8	<0.5	<0.2
22500 89350	Soil	6	21	0.89	271	0.195	2	2.09	0.014	0.64	0.2	0.02	3.6	0.3	<0.05	6	0.5	<0.2
22500 89400	Soil	15	31	1.01	301	0.094	2	2.04	0.020	0.33	0.1	0.02	11.1	0.1	<0.05	8	<0.5	<0.2
22500 89450	Soil	10	25	1.31	337	0.102	2	2.33	0.012	0.19	0.5	0.02	9.9	0.1	<0.05	8	0.6	0.2
22500 89500	Soil	21	19	1.20	173	0.185	1	1.95	0.011	0.50	0.1	<0.01	8.0	0.2	<0.05	8	<0.5	<0.2
22500 89550	Soil	6	27	1.13	158	0.099	2	2.06	0.011	0.13	<0.1	0.02	4.8	<0.1	<0.05	8	<0.5	<0.2
22500 89600	Soil	8	31	1.02	170	0.127	1	1.95	0.011	0.19	<0.1	0.01	4.3	0.1	<0.05	8	<0.5	<0.2
22500 89650	Soil	14	20	0.69	227	0.123	2	1.71	0.014	0.11	0.1	0.04	4.9	0.1	<0.05	8	<0.5	<0.2
23000 88450	Soil	7	19	1.69	243	0.181	1	2.76	0.010	0.77	0.1	<0.01	2.8	0.2	<0.05	8	<0.5	<0.2
23000 88500	Soil	10	15	1.06	84	0.101	1	1.65	0.010	0.17	<0.1	<0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
23000 88550	Soil	19	36	0.90	563	0.017	2	1.77	0.010	0.15	<0.1	<0.01	4.9	<0.1	<0.05	6	<0.5	<0.2
23000 88600	Soil	8	20	0.72	664	0.039	3	1.69	0.018	0.21	0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
23000 88650	Soil	27	27	1.09	597	0.010	2	2.26	0.011	0.08	<0.1	0.01	13.8	<0.1	<0.05	8	<0.5	<0.2
23000 88700	Soil	13	24	0.83	313	0.146	2	2.11	0.012	0.24	<0.1	0.01	7.7	0.2	<0.05	7	<0.5	<0.2
23000 88800	Soil	25	23	0.76	258	0.183	2	1.92	0.012	0.40	0.1	0.01	5.1	0.3	<0.05	6	<0.5	<0.2
23000 88850	Soil	17	63	2.51	538	0.452	<1	3.40	0.015	1.18	<0.1	<0.01	13.8	0.6	<0.05	12	<0.5	<0.2
23000 89000	Soil	8	32	0.69	203	0.159	1	1.75	0.013	0.18	0.1	<0.01	3.2	<0.1	<0.05	8	<0.5	<0.2
23000 89100	Soil	28	36	0.85	713	0.069	1	1.78	0.017	0.07	0.1	0.06	7.8	0.1	<0.05	6	<0.5	<0.2
23000 89150	Soil	16	77	1.36	466	0.118	2	2.15	0.020	0.06	0.1	0.01	5.2	0.1	<0.05	7	<0.5	<0.2
23000 89350	Soil	14	37	0.92	279	0.152	2	2.55	0.019	0.14	0.1	0.02	5.8	0.2	<0.05	8	<0.5	<0.2
23000 89400	Soil	12	27	0.95	218	0.180	1	2.24	0.013	0.24	0.2	<0.01	4.6	0.2	<0.05	7	<0.5	<0.2
23000 89450	Soil	10	26	0.89	154	0.180	2	2.19	0.011	0.20	0.1	<0.01	4.2	0.2	<0.05	7	<0.5	<0.2
23000 89500	Soil	18	37	0.75	340	0.135	2	2.03	0.016	0.11	0.1	0.04	5.6	0.1	<0.05	6	<0.5	<0.2
23000 89600	Soil	12	20	1.19	225	0.204	1	1.96	0.014	0.50	0.2	0.01	6.1	0.2	<0.05	9	<0.5	<0.2
23300 88500	Soil	12	23	1.14	179	0.233	<1	2.19	0.008	0.58	<0.1	<0.01	3.1	0.2	<0.05	9	<0.5	<0.2
23300 88550	Soil	9	33	1.09	446	0.128	2	1.90	0.029	0.33	<0.1	0.01	6.8	<0.1	<0.05	7	<0.5	<0.2
23300 88600	Soil	14	16	0.24	861	0.006	3	0.94	0.009	0.17	<0.1	0.02	3.8	<0.1	<0.05	2	<0.5	<0.2
23300 88650	Soil	16	40	1.33	256	0.117	2	2.36	0.014	0.15	<0.1	0.03	6.3	<0.1	<0.05	8	<0.5	<0.2



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
23300 88700	Soil	0.8	41.6	6.9	74	<0.1	42.1	16.2	443	3.70	5.5	0.4	6.4	2.1	21	0.1	0.3	<0.1	101	0.54	0.082
23300 88750	Soil	0.4	44.7	4.9	110	<0.1	47.7	20.2	812	5.15	2.7	0.4	30.9	3.0	17	<0.1	0.2	0.1	133	0.49	0.113
23300 88800	Soil	1.7	37.2	10.0	76	<0.1	21.4	12.2	525	3.51	7.4	0.7	6.1	3.4	24	<0.1	0.3	<0.1	87	0.34	0.063
23300 88850	Soil	0.6	9.6	3.6	108	<0.1	7.7	10.9	854	4.14	2.6	0.7	4.9	6.2	6	<0.1	<0.1	<0.1	66	0.12	0.083
23300 88900	Soil	0.7	30.7	6.1	77	<0.1	19.1	9.8	600	3.39	7.0	0.7	1.9	4.4	21	<0.1	0.3	0.1	69	0.27	0.043
23300 88950	Soil	1.8	28.0	8.4	76	<0.1	19.8	9.7	662	3.46	4.7	0.7	35.6	4.0	22	0.1	0.3	0.1	63	0.24	0.038
23300 89000	Soil	3.1	26.3	8.2	67	0.1	14.3	10.2	702	3.75	5.3	0.9	116.4	4.5	10	<0.1	0.3	0.2	66	0.12	0.034
23300 89050	Soil	0.6	11.9	4.3	75	<0.1	19.1	10.8	530	3.23	5.3	0.6	5.6	5.0	7	<0.1	0.2	0.1	63	0.07	0.024
23300 89150	Soil	0.6	26.1	6.7	79	<0.1	42.6	15.0	414	3.92	6.4	0.5	11.8	4.4	15	<0.1	0.3	0.1	94	0.16	0.027
23300 89400	Soil	0.8	32.4	6.3	86	<0.1	14.3	13.9	462	4.05	5.5	0.4	2.7	2.5	13	<0.1	0.2	0.1	122	0.21	0.048
23400 88450	Soil	0.8	21.0	5.3	89	0.1	15.7	15.0	1030	3.60	3.5	0.5	1.4	3.7	37	0.1	0.2	<0.1	77	0.76	0.091
23400 88650	Soil	2.1	34.7	7.2	79	0.2	32.1	16.6	664	4.36	4.9	1.2	6.9	5.7	18	0.1	0.3	0.2	52	0.43	0.083
23400 88700	Soil	1.1	27.7	8.2	105	<0.1	17.3	14.3	656	4.39	4.5	0.6	2.9	2.9	17	0.1	0.2	0.1	84	0.51	0.080
23400 88750	Soil	0.7	23.2	6.4	102	<0.1	19.2	13.8	788	4.23	3.1	0.7	7.9	3.0	22	<0.1	0.2	<0.1	94	0.50	0.070
23400 88800	Soil	1.6	44.8	11.9	97	0.4	19.7	15.4	1292	4.51	3.8	1.7	47.8	3.6	23	0.3	0.3	0.1	94	0.55	0.082
23400 88850	Soil	4.0	60.6	18.6	114	0.1	15.9	12.2	518	4.76	6.5	0.6	4.3	2.9	19	<0.1	0.3	0.1	108	0.22	0.033
23400 88900	Soil	3.5	42.6	14.9	78	<0.1	13.9	11.7	861	3.63	5.2	1.3	24.3	5.2	18	<0.1	0.4	0.2	40	0.22	0.034
23400 88950	Soil	1.3	31.8	15.3	55	0.1	44.7	12.4	425	3.04	5.4	1.3	6.3	7.6	27	<0.1	0.3	0.2	69	0.34	0.041
23400 89000	Soil	0.7	25.6	4.5	103	<0.1	9.7	13.2	686	4.27	2.6	0.8	6.4	3.7	12	<0.1	0.2	0.2	92	0.33	0.088
23400 89150	Soil	2.2	28.8	6.6	79	<0.1	55.5	16.9	557	3.90	4.3	0.7	3.7	4.8	15	<0.1	0.2	0.1	63	0.21	0.072
23400 89250	Soil	0.4	6.6	2.6	84	<0.1	12.9	11.8	342	2.50	2.7	0.3	1.8	2.5	6	<0.1	0.2	<0.1	47	0.11	0.032
23400 89300	Soil	0.8	7.0	7.6	59	<0.1	10.7	7.0	256	2.49	5.7	0.5	0.8	2.8	11	<0.1	0.3	0.1	51	0.13	0.027
23400 89350	Soil	1.2	9.7	7.1	80	<0.1	16.1	10.8	627	3.02	8.8	0.5	4.2	2.1	9	0.2	0.5	0.1	61	0.10	0.065
23500 88450	Soil	1.0	12.9	8.1	216	<0.1	10.9	9.9	545	4.20	2.7	0.6	0.7	4.6	21	<0.1	0.2	<0.1	49	0.33	0.083
23500 88500	Soil	1.0	26.9	7.7	83	<0.1	21.4	11.1	596	4.00	6.4	1.0	1.9	5.4	29	<0.1	0.4	0.1	64	0.40	0.058
23500 88550	Soil	0.8	22.9	5.6	82	<0.1	14.5	10.0	566	4.15	5.0	0.8	2.7	4.8	26	<0.1	0.4	<0.1	57	0.46	0.095
23500 88600	Soil	0.8	16.4	4.8	94	<0.1	12.1	12.9	534	4.65	3.0	0.5	<0.5	3.3	22	0.1	0.2	<0.1	102	0.43	0.069
23500 88650	Soil	1.6	22.4	9.3	70	<0.1	21.4	13.8	481	3.43	5.8	0.8	5.6	3.4	26	<0.1	0.3	0.1	71	0.51	0.080
23500 88700	Soil	1.7	17.5	5.4	67	<0.1	12.9	10.1	417	2.96	3.8	0.7	14.3	3.5	22	0.1	0.3	<0.1	54	0.40	0.082
23500 88800	Soil	3.2	17.6	10.9	61	0.1	19.5	9.6	576	2.92	5.4	0.8	63.4	3.9	18	0.1	0.4	0.2	56	0.25	0.040



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
23300 88700	Soil	7	74	1.55	185	0.197	2	2.42	0.023	0.10	<0.1	0.01	5.3	<0.1	<0.05	8	<0.5	<0.2
23300 88750	Soil	12	67	2.24	422	0.254	2	2.85	0.017	0.72	<0.1	<0.01	9.7	0.3	<0.05	10	<0.5	0.8
23300 88800	Soil	12	35	1.00	317	0.147	2	1.82	0.016	0.23	<0.1	0.02	6.9	0.1	<0.05	6	<0.5	<0.2
23300 88850	Soil	20	16	1.17	297	0.219	<1	2.29	0.021	1.00	<0.1	<0.01	7.9	0.4	<0.05	11	<0.5	<0.2
23300 88900	Soil	13	29	1.10	285	0.166	2	2.03	0.012	0.37	0.1	<0.01	5.3	0.2	<0.05	8	<0.5	<0.2
23300 88950	Soil	15	32	0.77	273	0.156	2	1.77	0.011	0.36	0.1	0.01	4.9	0.2	<0.05	6	<0.5	<0.2
23300 89000	Soil	13	26	0.82	195	0.191	1	1.94	0.015	0.55	<0.1	<0.01	5.8	0.3	<0.05	7	<0.5	<0.2
23300 89050	Soil	12	31	0.86	152	0.199	1	1.99	0.011	0.46	0.1	<0.01	6.0	0.3	<0.05	7	<0.5	<0.2
23300 89150	Soil	12	67	1.30	306	0.214	1	3.31	0.016	0.21	0.1	0.01	5.9	0.2	<0.05	8	<0.5	<0.2
23300 89400	Soil	7	28	1.22	174	0.244	1	2.59	0.013	0.33	0.1	0.02	5.1	0.2	<0.05	8	<0.5	<0.2
23400 88450	Soil	13	25	1.09	441	0.180	2	2.15	0.022	0.48	0.1	0.01	3.9	0.2	<0.05	8	<0.5	<0.2
23400 88650	Soil	22	62	0.92	626	0.007	3	1.94	0.008	0.16	<0.1	0.01	6.8	<0.1	<0.05	5	<0.5	<0.2
23400 88700	Soil	9	34	1.39	344	0.089	2	2.19	0.009	0.13	<0.1	<0.01	3.9	<0.1	<0.05	8	<0.5	<0.2
23400 88750	Soil	12	37	1.42	428	0.105	2	2.15	0.010	0.36	<0.1	0.02	10.1	0.1	<0.05	9	<0.5	<0.2
23400 88800	Soil	27	30	1.16	562	0.111	2	2.04	0.013	0.27	<0.1	0.04	16.8	0.1	<0.05	9	<0.5	<0.2
23400 88850	Soil	9	31	1.26	362	0.210	2	2.18	0.015	0.43	<0.1	0.01	7.0	0.2	<0.05	10	<0.5	<0.2
23400 88900	Soil	18	22	0.37	306	0.049	2	1.09	0.008	0.26	0.4	0.02	3.9	0.1	<0.05	4	<0.5	0.3
23400 88950	Soil	27	82	0.97	527	0.117	1	1.65	0.016	0.12	0.1	0.01	5.5	0.1	<0.05	6	<0.5	<0.2
23400 89000	Soil	10	13	0.87	361	0.147	2	1.69	0.008	0.60	<0.1	<0.01	13.1	0.3	<0.05	7	<0.5	<0.2
23400 89150	Soil	16	72	0.99	290	0.129	1	2.08	0.009	0.20	<0.1	<0.01	6.2	0.2	<0.05	6	<0.5	<0.2
23400 89250	Soil	6	22	1.19	195	0.137	1	1.85	0.007	0.31	<0.1	0.02	4.2	0.2	<0.05	6	<0.5	<0.2
23400 89300	Soil	10	21	0.62	175	0.068	1	1.48	0.011	0.11	0.1	0.02	2.7	0.1	<0.05	5	<0.5	<0.2
23400 89350	Soil	7	27	0.60	106	0.076	2	1.65	0.007	0.12	0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
23500 88450	Soil	16	17	1.11	611	0.196	1	2.22	0.010	0.76	<0.1	<0.01	3.1	0.4	<0.05	10	<0.5	<0.2
23500 88500	Soil	17	33	0.88	381	0.147	1	2.06	0.016	0.33	0.1	0.02	8.4	0.1	<0.05	8	<0.5	<0.2
23500 88550	Soil	13	22	0.78	336	0.129	2	1.71	0.015	0.40	0.1	0.03	9.5	0.1	<0.05	7	<0.5	<0.2
23500 88600	Soil	10	21	1.35	322	0.133	1	2.10	0.012	0.50	<0.1	<0.01	11.7	0.2	<0.05	9	<0.5	<0.2
23500 88650	Soil	13	33	0.67	646	0.043	2	1.65	0.015	0.06	0.1	0.03	5.7	<0.1	<0.05	6	<0.5	<0.2
23500 88700	Soil	12	21	0.55	366	0.064	2	1.30	0.017	0.09	<0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
23500 88800	Soil	16	31	0.53	411	0.073	1	1.42	0.010	0.15	0.1	0.02	3.9	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
23500 88850	Soil	3.6	14.0	7.6	72	<0.1	12.1	9.2	430	3.46	2.8	0.6	23.6	4.4	15	<0.1	0.2	0.1	54	0.19	0.028
23500 88900	Soil	0.8	50.2	7.1	97	<0.1	17.9	14.1	670	4.23	2.3	0.7	8.4	5.2	17	<0.1	<0.1	<0.1	90	0.44	0.077
23500 88950	Soil	0.9	23.2	5.2	81	<0.1	17.1	12.1	626	3.91	3.7	0.9	18.5	5.5	17	<0.1	0.2	0.1	80	0.34	0.060
23500 89000	Soil	2.1	17.5	6.2	79	<0.1	13.6	10.9	478	3.65	2.9	0.6	1.8	4.0	13	<0.1	0.2	0.1	70	0.26	0.044
23500 89050	Soil	0.8	12.6	5.2	79	<0.1	10.9	9.4	478	3.75	2.9	0.6	0.8	4.4	14	<0.1	0.1	0.2	58	0.25	0.040
23500 89100	Soil	0.3	8.7	3.1	99	<0.1	5.7	12.5	486	3.58	1.8	0.5	1.8	3.0	17	<0.1	<0.1	<0.1	89	0.44	0.102
23500 89150	Soil	1.0	18.8	5.8	116	<0.1	14.4	12.4	703	3.97	4.7	0.4	1.3	2.4	24	0.1	0.2	0.1	73	0.27	0.057
23500 89200	Soil	1.5	25.2	8.6	134	<0.1	16.4	17.4	1035	5.69	5.5	0.8	11.6	4.2	11	0.1	0.2	0.1	102	0.18	0.107
23500 89250	Soil	0.8	13.7	4.6	79	<0.1	33.1	13.0	573	3.19	6.2	0.6	0.7	3.7	10	0.1	0.3	<0.1	51	0.13	0.063
23500 89300	Soil	0.7	8.7	4.6	82	<0.1	13.0	9.9	446	2.59	4.7	0.6	<0.5	3.4	9	<0.1	0.2	<0.1	44	0.13	0.048
23500 89350	Soil	1.1	7.6	6.5	88	<0.1	9.9	8.6	398	3.32	7.2	0.5	1.7	3.8	9	0.2	0.3	0.1	78	0.09	0.067
23600 88450	Soil	0.8	9.3	8.6	114	<0.1	7.0	6.7	307	3.78	3.2	0.6	<0.5	5.9	15	<0.1	0.5	<0.1	31	0.14	0.028
23600 88500	Soil	0.4	7.2	4.7	168	<0.1	26.4	19.0	1052	7.65	2.8	0.8	<0.5	5.1	39	<0.1	0.2	<0.1	83	0.21	0.076
23600 88550	Soil	0.6	15.3	6.0	89	<0.1	18.2	16.7	587	5.18	4.5	0.3	<0.5	2.7	17	<0.1	0.2	<0.1	141	0.23	0.028
23600 88600	Soil	1.1	39.5	8.3	71	<0.1	28.4	14.9	467	3.77	5.1	1.3	3.8	4.3	29	<0.1	0.4	0.1	88	0.38	0.039
23600 88650	Soil	0.7	22.3	7.1	84	<0.1	11.2	11.8	362	3.17	2.2	0.4	3.5	2.3	35	<0.1	0.1	<0.1	57	0.35	0.059
23600 88700	Soil	1.3	23.3	8.5	66	<0.1	17.9	10.3	343	3.15	5.3	0.7	10.1	4.7	26	0.1	0.5	0.1	59	0.38	0.047
23600 88750	Soil	1.7	22.2	10.1	60	<0.1	28.2	11.3	371	3.03	6.2	0.9	17.5	5.1	31	<0.1	0.4	0.1	62	0.39	0.050
23600 88800	Soil	1.9	15.8	7.8	52	<0.1	15.6	9.2	460	2.82	5.2	0.7	9.7	3.7	19	<0.1	0.4	0.2	59	0.25	0.025
23600 88850	Soil	1.1	18.0	8.8	57	<0.1	13.1	8.5	383	2.64	4.0	0.7	31.4	4.1	15	<0.1	0.3	0.2	56	0.19	0.028
23600 88900	Soil	0.9	17.8	5.2	80	<0.1	16.8	11.9	626	3.69	4.0	0.9	16.8	6.1	22	<0.1	0.3	0.2	64	0.29	0.065
23600 88950	Soil	1.0	16.5	7.4	64	<0.1	18.8	11.3	600	3.21	3.9	0.7	11.1	4.7	20	0.1	0.2	0.2	57	0.29	0.038
23600 89000	Soil	1.0	12.7	6.3	56	<0.1	17.5	8.8	320	2.91	4.3	0.6	4.7	3.2	16	<0.1	0.3	0.1	59	0.20	0.029
23600 89050	Soil	0.8	33.2	7.2	95	0.1	29.2	18.5	564	4.28	5.0	0.7	4.4	3.0	21	<0.1	0.3	0.1	75	0.47	0.050
23600 89100	Soil	0.5	55.1	4.0	62	<0.1	23.8	16.2	353	3.71	2.8	0.4	1.2	1.5	10	<0.1	0.1	0.1	114	0.35	0.101
23600 89150	Soil	1.4	14.3	7.5	99	<0.1	23.9	10.2	692	3.43	7.4	0.5	6.2	3.6	34	0.1	0.4	0.2	68	0.59	0.050
23600 89200	Soil	0.9	22.3	7.7	58	<0.1	21.4	9.3	461	2.73	7.7	0.9	4.2	4.1	17	<0.1	0.5	0.2	62	0.18	0.028
23600 89250	Soil	0.8	15.1	8.5	55	0.1	20.4	8.6	287	3.00	7.2	0.6	19.1	2.9	18	0.1	0.3	0.2	70	0.20	0.039
23600 89300	Soil	0.3	27.6	4.9	151	<0.1	61.5	26.6	949	4.21	4.0	0.5	2.6	5.0	31	<0.1	0.2	0.1	89	0.44	0.140
23600 89350	Soil	0.9	21.6	7.2	75	<0.1	23.2	15.4	533	3.87	7.1	0.4	2.5	2.9	18	<0.1	0.3	0.1	93	0.30	0.063



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
23500 88850	Soil	12	19	0.65	363	0.135	2	1.62	0.008	0.49	<0.1	<0.01	3.7	0.2	<0.05	6	<0.5	<0.2
23500 88900	Soil	15	39	1.27	514	0.255	2	2.33	0.011	0.87	0.1	<0.01	6.6	0.3	<0.05	9	<0.5	<0.2
23500 88950	Soil	21	31	0.88	425	0.130	2	1.81	0.015	0.40	0.2	0.01	7.1	0.2	<0.05	7	<0.5	<0.2
23500 89000	Soil	13	23	0.97	399	0.165	1	1.89	0.011	0.48	0.1	<0.01	5.8	0.2	<0.05	7	<0.5	<0.2
23500 89050	Soil	11	19	0.80	418	0.200	1	1.94	0.009	0.68	0.2	<0.01	4.9	0.5	<0.05	8	<0.5	<0.2
23500 89100	Soil	9	13	1.71	423	0.154	2	2.32	0.013	0.73	<0.1	<0.01	9.3	0.2	<0.05	11	<0.5	<0.2
23500 89150	Soil	5	28	1.28	277	0.142	1	2.59	0.008	0.62	0.1	0.01	3.7	0.2	<0.05	8	<0.5	<0.2
23500 89200	Soil	12	46	1.21	326	0.168	1	2.01	0.008	0.68	0.1	0.02	9.2	0.3	<0.05	8	<0.5	<0.2
23500 89250	Soil	11	31	0.78	321	0.078	1	2.05	0.007	0.15	0.1	0.02	4.7	0.1	<0.05	6	<0.5	<0.2
23500 89300	Soil	11	18	0.85	231	0.119	1	1.75	0.008	0.24	<0.1	<0.01	3.6	0.1	<0.05	6	<0.5	<0.2
23500 89350	Soil	27	18	0.67	134	0.101	<1	1.72	0.006	0.14	0.1	0.01	3.8	0.1	<0.05	9	<0.5	<0.2
23600 88450	Soil	11	13	0.60	437	0.095	2	2.29	0.007	0.53	<0.1	0.02	2.7	0.3	<0.05	8	<0.5	<0.2
23600 88500	Soil	12	48	2.01	504	0.335	1	3.79	0.015	1.58	<0.1	<0.01	15.3	0.5	<0.05	16	<0.5	<0.2
23600 88550	Soil	9	32	1.77	308	0.212	2	3.26	0.025	0.69	<0.1	0.01	10.0	0.3	<0.05	11	<0.5	<0.2
23600 88600	Soil	19	47	0.93	359	0.128	1	2.21	0.017	0.12	<0.1	0.04	10.1	0.1	<0.05	8	<0.5	<0.2
23600 88650	Soil	13	26	1.02	295	0.079	2	1.88	0.010	0.13	<0.1	<0.01	3.8	<0.1	<0.05	7	<0.5	<0.2
23600 88700	Soil	18	32	0.60	429	0.069	2	1.64	0.015	0.08	0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
23600 88750	Soil	15	49	0.72	343	0.088	5	1.68	0.015	0.07	0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
23600 88800	Soil	12	30	0.52	313	0.076	2	1.59	0.016	0.08	0.1	0.01	3.8	<0.1	<0.05	5	0.5	<0.2
23600 88850	Soil	14	24	0.50	336	0.078	<1	1.45	0.012	0.09	0.1	0.01	4.3	0.1	<0.05	5	<0.5	<0.2
23600 88900	Soil	19	24	0.71	520	0.116	2	1.67	0.009	0.36	0.2	0.01	7.4	0.2	<0.05	6	<0.5	<0.2
23600 88950	Soil	15	30	0.60	512	0.091	1	1.52	0.012	0.24	0.1	<0.01	4.5	0.1	<0.05	5	<0.5	<0.2
23600 89000	Soil	13	29	0.59	483	0.073	1	1.52	0.008	0.09	0.1	0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
23600 89050	Soil	12	44	0.72	385	0.043	1	1.73	0.011	0.12	<0.1	0.02	9.3	<0.1	<0.05	5	0.8	<0.2
23600 89100	Soil	6	55	1.22	229	0.144	<1	2.20	0.021	0.35	<0.1	0.01	5.7	0.1	<0.05	7	<0.5	<0.2
23600 89150	Soil	11	40	0.62	476	0.080	2	1.89	0.011	0.14	<0.1	0.01	4.3	0.1	<0.05	7	<0.5	<0.2
23600 89200	Soil	14	34	0.57	335	0.075	<1	1.75	0.014	0.07	0.1	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
23600 89250	Soil	12	32	0.64	418	0.086	2	1.90	0.008	0.10	0.1	0.02	3.9	0.1	<0.05	7	<0.5	<0.2
23600 89300	Soil	29	93	2.25	458	0.141	1	2.75	0.011	0.26	<0.1	<0.01	13.0	0.2	<0.05	9	<0.5	0.2
23600 89350	Soil	10	49	1.21	227	0.176	2	2.22	0.011	0.15	0.1	0.02	4.5	0.1	<0.05	8	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
23600 89400	Soil	1.3	32.4	6.4	84	<0.1	21.1	14.6	570	3.59	7.6	0.6	2.4	4.2	15	<0.1	0.3	0.1	69	0.23	0.048
23600 89450	Soil	0.9	27.8	7.6	93	0.2	18.3	13.1	679	3.26	5.4	0.7	2.1	3.3	22	<0.1	0.2	0.1	71	0.49	0.063
23700 88450	Soil	1.3	21.4	4.8	156	<0.1	12.2	18.8	768	6.36	2.7	0.6	0.8	3.6	22	<0.1	0.2	0.2	116	0.53	0.206
23700 88500	Soil	1.1	27.6	9.0	88	<0.1	28.8	16.5	585	4.36	11.1	0.5	1.1	5.1	16	<0.1	0.4	0.1	116	0.16	0.027
23700 88550	Soil	1.2	21.0	12.0	53	<0.1	15.3	10.9	464	3.24	6.6	0.3	<0.5	1.8	28	0.1	0.4	0.1	80	0.26	0.029
23700 88600	Soil	1.3	40.0	3.5	109	<0.1	74.0	31.4	958	6.90	2.4	0.7	2.5	3.2	17	<0.1	0.1	<0.1	168	0.46	0.152
23700 88650	Soil	42.6	57.3	11.7	75	<0.1	13.9	16.4	511	3.81	2.1	1.0	1.4	4.2	24	<0.1	<0.1	<0.1	41	0.39	0.091
23700 88700	Soil	0.7	33.1	8.4	99	<0.1	11.5	13.2	522	4.33	2.4	0.6	26.3	5.8	21	<0.1	0.2	0.2	61	0.24	0.032
23700 88750	Soil	1.1	17.0	7.0	119	<0.1	5.2	6.5	513	3.89	3.3	0.4	1.1	1.4	17	<0.1	0.1	<0.1	58	0.13	0.040
23700 88800	Soil	0.8	31.8	5.1	121	<0.1	11.5	15.6	641	4.75	4.5	0.4	1.6	1.5	28	<0.1	0.1	<0.1	112	0.37	0.069
23700 88850	Soil	30.0	29.6	23.3	88	0.1	17.8	11.4	446	3.89	4.8	1.1	317.5	6.5	22	0.2	1.2	0.2	60	0.28	0.034
23700 88900	Soil	0.9	18.7	6.1	89	<0.1	9.8	13.1	981	4.05	4.1	0.5	2.6	5.0	14	0.1	0.3	0.1	75	0.19	0.065
23700 88950	Soil	1.5	23.5	6.0	92	<0.1	16.3	12.7	543	3.88	3.9	0.6	9.8	4.1	21	<0.1	0.2	0.1	77	0.29	0.060
23700 89000	Soil	0.6	29.7	11.4	88	<0.1	37.5	12.4	505	3.12	3.6	0.9	24.5	7.6	92	<0.1	0.2	0.2	60	0.37	0.067
23700 89050	Soil	0.4	46.4	2.9	72	<0.1	24.1	19.5	641	3.67	2.3	0.3	3.2	1.4	24	<0.1	0.2	<0.1	101	0.57	0.090
23700 89100	Soil	0.9	24.6	5.6	59	0.1	19.2	8.3	380	2.40	5.1	0.8	26.8	3.9	18	<0.1	0.3	0.1	48	0.22	0.033
23700 89150	Soil	0.9	82.4	5.4	107	0.1	16.3	11.0	758	2.78	5.7	0.9	25.8	4.9	19	0.1	0.3	0.1	51	0.25	0.036
23700 89200	Soil	2.0	23.9	11.1	77	<0.1	15.9	10.7	457	3.47	7.5	0.7	7.7	4.3	9	<0.1	0.4	0.2	60	0.10	0.039
23700 89250	Soil	1.2	15.4	10.1	61	0.2	17.4	7.5	301	2.79	8.9	0.5	3.3	2.7	12	0.3	0.5	0.2	66	0.13	0.045
23700 89400	Soil	1.1	21.2	7.3	98	0.2	27.5	15.1	883	4.22	3.3	0.6	3.7	3.4	23	<0.1	0.2	<0.1	76	0.58	0.123
23700 89450	Soil	0.9	24.5	6.0	94	<0.1	18.6	16.1	651	3.99	4.1	0.6	4.3	2.5	24	<0.1	0.2	<0.1	89	0.52	0.098
23800 88450	Soil	1.2	8.6	6.8	93	<0.1	14.6	13.5	556	4.49	2.9	0.9	<0.5	5.2	14	<0.1	0.2	<0.1	99	0.20	0.047
23800 88500	Soil	1.6	28.5	9.1	117	0.1	23.5	21.9	1302	6.07	4.7	0.7	1.6	3.6	31	<0.1	0.3	<0.1	132	0.46	0.066
23800 88550	Soil	1.8	29.0	12.0	68	<0.1	48.8	18.7	776	3.99	7.9	0.4	<0.5	2.3	20	0.2	0.4	0.1	88	0.29	0.051
23800 88600	Soil	2.4	32.5	9.0	71	<0.1	21.2	13.4	312	3.98	7.9	0.6	4.5	3.7	22	<0.1	0.4	0.1	78	0.17	0.029
23800 88650	Soil	0.7	7.3	22.4	64	<0.1	8.4	4.3	159	1.74	2.4	0.2	1.3	1.5	27	<0.1	0.2	0.1	20	0.12	0.019
23800 88700	Soil	1.5	23.4	5.8	76	<0.1	9.7	9.1	513	4.14	5.6	0.5	0.9	3.3	17	0.2	0.1	<0.1	70	0.33	0.104
23800 88750	Soil	1.0	38.1	9.1	110	<0.1	16.5	22.5	760	5.68	5.4	0.3	2.3	1.6	31	0.1	0.3	<0.1	125	0.46	0.060
23800 88800	Soil	2.2	216.7	7.8	94	<0.1	19.2	17.5	1000	4.90	3.8	0.5	4.4	4.7	16	<0.1	0.3	0.3	87	0.32	0.079
23800 88850	Soil	2.6	34.6	11.8	69	<0.1	27.3	12.2	332	3.38	8.5	1.1	17.1	5.8	20	0.1	0.7	0.2	66	0.21	0.022



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
23600 89400	Soil	15	34	0.96	208	0.124	2	2.49	0.012	0.16	0.1	0.02	5.4	0.2	<0.05	7	0.7	<0.2
23600 89450	Soil	15	31	0.99	385	0.134	1	2.18	0.012	0.15	0.2	0.03	6.3	0.1	<0.05	7	<0.5	<0.2
23700 88450	Soil	8	19	1.22	387	0.141	2	2.48	0.014	0.87	<0.1	<0.01	8.2	0.3	<0.05	10	<0.5	<0.2
23700 88500	Soil	11	39	1.13	266	0.163	2	2.59	0.012	0.34	<0.1	<0.01	9.1	0.1	<0.05	9	<0.5	<0.2
23700 88550	Soil	5	27	0.59	215	0.055	1	2.09	0.019	0.12	<0.1	0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
23700 88600	Soil	29	97	1.59	245	0.097	<1	2.51	0.008	0.22	<0.1	<0.01	16.3	<0.1	<0.05	9	<0.5	<0.2
23700 88650	Soil	15	13	0.88	383	0.008	1	2.08	0.009	0.08	<0.1	<0.01	6.0	<0.1	<0.05	7	<0.5	<0.2
23700 88700	Soil	25	19	1.26	317	0.103	1	2.67	0.009	0.33	<0.1	<0.01	4.1	0.3	<0.05	9	<0.5	<0.2
23700 88750	Soil	5	11	0.93	165	0.218	<1	2.46	0.016	0.43	<0.1	0.01	2.2	0.2	0.06	7	<0.5	<0.2
23700 88800	Soil	10	29	1.51	358	0.351	<1	2.99	0.018	0.62	0.1	<0.01	3.9	0.3	<0.05	9	<0.5	<0.2
23700 88850	Soil	25	28	0.62	410	0.062	1	1.78	0.015	0.12	<0.1	0.04	6.9	0.2	<0.05	5	<0.5	<0.2
23700 88900	Soil	12	19	0.79	304	0.136	<1	2.15	0.011	0.50	0.1	0.01	5.5	0.3	<0.05	8	0.5	<0.2
23700 88950	Soil	12	32	1.14	416	0.155	1	2.39	0.011	0.30	<0.1	<0.01	6.3	0.3	<0.05	8	<0.5	<0.2
23700 89000	Soil	28	67	1.17	871	0.100	2	2.20	0.013	0.12	<0.1	0.01	5.1	0.1	<0.05	7	<0.5	<0.2
23700 89050	Soil	8	51	1.48	444	0.129	1	2.35	0.019	0.17	<0.1	<0.01	6.8	0.1	<0.05	8	<0.5	<0.2
23700 89100	Soil	15	27	0.53	397	0.055	1	1.46	0.010	0.07	0.1	<0.01	4.0	<0.1	<0.05	4	0.6	<0.2
23700 89150	Soil	13	27	0.80	299	0.085	2	1.89	0.011	0.19	0.1	0.02	5.0	0.1	<0.05	6	<0.5	<0.2
23700 89200	Soil	13	34	0.58	149	0.057	2	1.86	0.007	0.11	0.1	<0.01	3.5	<0.1	<0.05	7	<0.5	<0.2
23700 89250	Soil	10	31	0.45	187	0.055	1	1.95	0.008	0.08	0.1	0.02	2.6	<0.1	<0.05	6	0.5	<0.2
23700 89400	Soil	19	45	1.30	470	0.191	<1	2.51	0.012	0.60	0.1	0.02	6.7	0.3	<0.05	8	<0.5	<0.2
23700 89450	Soil	12	36	1.24	412	0.189	<1	2.55	0.014	0.36	0.1	0.01	5.0	0.2	<0.05	8	<0.5	<0.2
23800 88450	Soil	18	24	1.52	196	0.068	<1	2.01	0.011	0.37	<0.1	<0.01	13.5	0.1	<0.05	9	<0.5	<0.2
23800 88500	Soil	14	36	1.20	464	0.105	1	2.38	0.018	0.41	<0.1	0.01	14.0	0.2	<0.05	8	0.6	<0.2
23800 88550	Soil	8	74	1.28	167	0.124	2	2.39	0.016	0.28	0.1	<0.01	4.4	<0.1	<0.05	7	0.5	<0.2
23800 88600	Soil	13	35	0.88	225	0.078	1	2.22	0.015	0.10	0.1	0.02	5.5	<0.1	<0.05	7	<0.5	<0.2
23800 88650	Soil	3	14	0.42	108	0.018	<1	1.55	0.010	0.10	<0.1	0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
23800 88700	Soil	7	16	0.99	163	0.251	<1	2.21	0.010	0.67	0.1	0.01	4.1	0.3	<0.05	8	<0.5	<0.2
23800 88750	Soil	5	27	1.69	254	0.272	1	3.06	0.021	0.18	0.1	0.01	5.3	<0.1	<0.05	10	<0.5	<0.2
23800 88800	Soil	16	42	1.52	502	0.085	1	2.49	0.009	0.39	0.1	0.02	9.5	0.1	<0.05	11	<0.5	0.4
23800 88850	Soil	25	45	0.65	431	0.072	1	1.84	0.015	0.10	0.1	0.03	6.0	<0.1	<0.05	6	<0.5	<0.2



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

WHI10000438.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
23800 88900	Soil	1.7	51.7	10.4	85	<0.1	40.9	20.7	543	4.59	9.9	1.0	15.7	3.9	35	<0.1	0.5	0.1	123	0.34	0.031
23800 88950	Soil	4.8	81.1	19.9	79	0.1	29.4	17.7	698	4.52	5.6	0.5	59.1	3.4	17	<0.1	0.4	0.3	73	0.26	0.067
23800 89000	Soil	2.5	17.8	8.4	73	<0.1	21.9	10.2	401	3.35	5.8	0.7	27.5	4.4	16	<0.1	0.5	0.2	62	0.12	0.023
23800 89050	Soil	1.7	14.1	13.6	91	0.1	20.5	13.9	1645	3.26	7.1	0.6	8.4	3.8	15	<0.1	0.5	0.2	63	0.15	0.059
23800 89100	Soil	0.7	23.5	3.8	96	<0.1	13.8	14.9	693	4.09	2.5	0.8	2.5	4.6	14	<0.1	0.2	<0.1	59	0.15	0.047
23800 89150	Soil	0.7	15.3	6.6	96	<0.1	12.8	11.4	601	3.29	3.4	1.4	3.2	6.9	15	<0.1	0.3	<0.1	52	0.15	0.030
23800 89200	Soil	1.2	31.7	10.3	64	<0.1	26.1	11.1	359	3.15	9.3	1.1	2.7	4.9	16	0.2	0.6	0.2	62	0.14	0.031
23800 89250	Soil	0.6	67.3	25.0	97	<0.1	452.9	57.1	1171	6.36	1.9	1.6	2.9	16.9	323	<0.1	0.1	0.3	167	2.60	0.365
23800 89300	Soil	0.7	15.5	6.1	186	<0.1	30.9	25.4	927	4.75	3.7	0.6	10.4	3.4	50	0.1	0.2	<0.1	127	0.66	0.120
23800 89400	Soil	0.8	19.1	8.7	101	0.2	23.7	13.4	700	3.42	4.6	0.7	5.0	3.5	38	0.1	0.2	0.1	66	0.48	0.101
23900 88450	Soil	1.4	25.4	13.0	83	<0.1	24.5	12.5	611	4.04	8.4	0.7	3.8	4.3	32	<0.1	0.7	0.1	58	0.56	0.033
23900 88500	Soil	2.8	63.2	12.3	97	0.1	95.4	34.1	1370	6.31	10.1	0.8	7.5	4.5	55	0.1	0.9	<0.1	126	0.95	0.207
23900 88550	Soil	0.6	15.8	8.1	86	<0.1	13.1	10.9	433	2.81	5.0	0.4	1.7	1.6	33	<0.1	0.2	<0.1	55	0.34	0.063
23900 88600	Soil	0.5	22.1	8.5	94	<0.1	10.3	11.4	443	3.16	3.0	0.4	1.5	2.2	40	<0.1	0.1	<0.1	51	0.40	0.042
23900 88650	Soil	0.6	19.4	4.7	101	<0.1	7.2	7.7	529	4.30	3.0	0.9	5.8	8.4	24	<0.1	0.1	<0.1	38	0.51	0.075
23900 88700	Soil	1.6	23.7	10.6	84	0.2	19.4	12.7	469	3.70	6.1	0.6	5.8	2.9	25	0.1	0.4	0.1	83	0.42	0.041
23900 88750	Soil	2.0	24.5	9.3	86	<0.1	20.7	12.2	509	3.78	5.6	0.5	12.8	3.0	27	0.2	0.3	0.1	79	0.55	0.043
23900 88800	Soil	2.4	23.6	11.1	66	<0.1	21.2	9.6	493	3.24	8.5	0.7	11.6	4.9	20	<0.1	0.5	0.1	59	0.34	0.026
23900 88850	Soil	7.9	36.4	14.4	110	<0.1	28.7	16.0	632	4.56	6.1	1.1	87.6	4.6	21	<0.1	0.6	0.1	78	0.33	0.027
23900 88900	Soil	6.3	24.6	14.1	68	0.1	26.5	11.2	575	3.02	9.3	0.8	53.6	5.7	30	0.2	0.7	0.2	67	0.43	0.032
23900 88950	Soil	1.1	28.4	8.0	73	<0.1	24.1	12.6	411	3.55	6.5	0.8	72.1	4.7	21	<0.1	0.4	0.1	73	0.26	0.024
23900 89000	Soil	1.0	55.3	10.8	79	<0.1	24.5	10.8	392	3.42	6.9	0.8	14.9	5.5	16	<0.1	0.4	0.2	62	0.16	0.018
23900 89050	Soil	0.6	11.2	4.8	95	<0.1	12.9	12.5	1379	3.63	3.5	0.7	21.1	5.1	18	0.2	0.3	<0.1	54	0.22	0.029
23900 89100	Soil	1.1	16.5	11.5	73	<0.1	15.3	7.7	333	2.71	5.5	0.4	8.4	2.7	24	<0.1	0.3	0.1	58	0.15	0.024
23900 89150	Soil	0.7	48.8	5.8	107	0.1	13.2	20.5	630	5.31	3.7	0.6	24.3	2.9	26	<0.1	0.3	0.1	147	0.25	0.046
23900 89200	Soil	1.4	16.9	11.7	67	0.1	18.4	7.9	335	3.71	10.1	0.5	2.4	3.4	14	0.1	0.5	0.2	79	0.13	0.046
23900 89250	Soil	0.9	21.8	8.4	54	<0.1	19.2	8.7	327	2.66	7.3	0.8	7.2	3.6	22	<0.1	0.4	0.1	55	0.23	0.043
23900 89300	Soil	1.1	15.6	7.8	129	<0.1	14.9	21.6	860	5.01	5.5	0.4	62.1	2.9	13	<0.1	0.4	0.1	103	0.17	0.057
24000 88600	Soil	1.3	38.0	8.8	95	0.2	11.8	9.2	651	3.49	2.4	0.9	62.5	6.5	23	0.1	0.1	0.1	43	0.48	0.089
24000 88650	Soil	1.1	40.8	13.4	132	<0.1	15.3	19.4	776	4.74	4.5	0.6	13.9	1.8	41	0.3	0.2	<0.1	97	1.00	0.153



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
23800 88900	Soil	14	68	1.62	191	0.150	<1	2.85	0.021	0.07	<0.1	0.02	11.2	<0.1	<0.05	10	<0.5	<0.2
23800 88950	Soil	9	47	1.37	259	0.042	1	2.40	0.008	0.21	0.1	0.02	5.4	<0.1	<0.05	7	<0.5	<0.2
23800 89000	Soil	14	46	0.90	238	0.103	<1	2.06	0.008	0.19	0.1	0.02	5.0	0.1	<0.05	7	<0.5	<0.2
23800 89050	Soil	12	39	0.56	358	0.069	1	1.73	0.012	0.13	0.1	0.02	4.1	0.1	<0.05	7	<0.5	<0.2
23800 89100	Soil	11	23	1.32	365	0.162	1	2.39	0.008	0.62	<0.1	<0.01	5.6	0.2	<0.05	7	<0.5	<0.2
23800 89150	Soil	20	21	1.41	284	0.114	1	2.33	0.011	0.47	<0.1	0.03	7.5	0.2	<0.05	8	<0.5	<0.2
23800 89200	Soil	16	38	0.53	261	0.066	2	2.12	0.013	0.07	0.2	0.04	5.1	<0.1	<0.05	6	<0.5	0.3
23800 89250	Soil	112	479	5.59	3335	0.155	<1	3.72	0.067	0.91	<0.1	0.02	14.1	0.4	<0.05	16	<0.5	<0.2
23800 89300	Soil	17	55	3.18	830	0.174	1	3.35	0.030	0.57	0.1	0.02	17.4	0.3	<0.05	12	<0.5	<0.2
23800 89400	Soil	17	38	1.22	505	0.170	<1	2.22	0.011	0.39	0.1	0.03	6.7	0.2	<0.05	8	<0.5	<0.2
23900 88450	Soil	16	32	0.70	465	0.076	3	1.82	0.022	0.27	0.2	0.04	10.1	0.2	<0.05	6	<0.5	<0.2
23900 88500	Soil	24	118	2.02	519	0.086	1	2.89	0.017	0.33	0.1	0.05	14.3	0.1	<0.05	10	<0.5	<0.2
23900 88550	Soil	6	23	1.11	132	0.163	<1	2.03	0.010	0.35	<0.1	0.01	2.2	0.1	<0.05	8	<0.5	<0.2
23900 88600	Soil	5	18	1.02	149	0.187	<1	2.05	0.012	0.27	<0.1	<0.01	3.3	0.1	<0.05	8	<0.5	<0.2
23900 88650	Soil	17	10	0.71	184	0.248	<1	1.91	0.014	0.39	0.1	0.01	3.5	0.1	<0.05	8	<0.5	<0.2
23900 88700	Soil	11	33	1.07	496	0.130	<1	2.02	0.016	0.22	0.1	0.02	6.7	<0.1	<0.05	8	<0.5	<0.2
23900 88750	Soil	13	39	1.04	538	0.167	2	2.01	0.014	0.54	0.2	0.02	5.7	0.1	<0.05	8	<0.5	<0.2
23900 88800	Soil	15	34	0.68	349	0.111	<1	1.67	0.014	0.16	0.1	0.01	6.8	<0.1	<0.05	6	<0.5	<0.2
23900 88850	Soil	18	42	1.00	345	0.049	<1	2.11	0.012	0.09	<0.1	0.02	11.1	<0.1	<0.05	7	0.6	0.3
23900 88900	Soil	16	44	0.59	490	0.084	2	1.82	0.016	0.08	0.1	0.04	5.3	<0.1	<0.05	6	<0.5	<0.2
23900 88950	Soil	13	44	1.09	296	0.140	<1	2.26	0.011	0.11	<0.1	0.02	6.0	<0.1	<0.05	7	0.6	0.3
23900 89000	Soil	15	37	1.00	329	0.121	1	2.29	0.010	0.13	<0.1	0.02	5.2	0.1	<0.05	7	<0.5	<0.2
23900 89050	Soil	15	24	1.08	328	0.143	1	2.18	0.011	0.55	<0.1	0.02	5.7	0.3	<0.05	8	<0.5	<0.2
23900 89100	Soil	9	26	0.74	212	0.098	<1	2.14	0.010	0.16	0.1	0.03	3.7	<0.1	<0.05	7	<0.5	<0.2
23900 89150	Soil	18	25	1.87	448	0.153	<1	3.52	0.016	0.42	<0.1	0.02	12.5	0.2	<0.05	11	<0.5	<0.2
23900 89200	Soil	11	36	0.49	269	0.078	1	2.25	0.009	0.09	0.1	0.03	3.4	0.1	<0.05	8	<0.5	<0.2
23900 89250	Soil	13	31	0.56	323	0.067	<1	1.76	0.011	0.06	0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
23900 89300	Soil	12	31	0.95	256	0.071	1	2.49	0.008	0.12	0.1	0.02	15.9	0.1	<0.05	9	<0.5	<0.2
24000 88600	Soil	21	23	0.83	291	0.053	<1	1.79	0.010	0.27	<0.1	0.02	4.4	<0.1	<0.05	7	<0.5	<0.2
24000 88650	Soil	7	28	1.32	284	0.182	<1	2.42	0.025	0.17	<0.1	<0.01	6.2	<0.1	<0.05	9	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
24000 88700	Soil	0.7	23.2	5.6	144	<0.1	10.5	18.8	603	5.36	1.5	0.5	2.2	1.9	16	<0.1	<0.1	<0.1	132	0.59	0.104
24000 88750	Soil	2.0	17.0	8.3	76	<0.1	14.9	12.2	855	3.83	2.9	0.9	8.8	5.3	11	<0.1	0.2	<0.1	49	0.33	0.059
24000 88800	Soil	1.4	29.2	12.7	64	<0.1	22.1	9.0	406	2.67	5.1	0.6	5.7	4.3	18	<0.1	0.3	<0.1	57	0.38	0.034
24000 88850	Soil	0.7	54.7	14.9	123	<0.1	18.8	18.9	580	4.62	3.7	0.4	0.9	3.2	19	0.2	<0.1	<0.1	111	0.59	0.117
24000 88900	Soil	0.8	39.4	10.3	99	<0.1	44.2	22.6	702	4.26	3.1	0.2	1.9	1.1	34	<0.1	<0.1	<0.1	126	0.68	0.043
24000 88950	Soil	2.2	17.1	14.0	108	0.1	85.3	17.4	463	3.72	3.9	1.2	2.0	7.0	37	<0.1	0.2	<0.1	47	0.37	0.087
24000 89000	Soil	1.5	17.8	7.9	65	0.2	20.8	11.4	688	2.73	4.4	0.8	10.9	4.1	22	<0.1	0.2	<0.1	54	0.40	0.032
24000 89050	Soil	0.7	36.1	9.0	69	0.1	20.0	9.8	674	2.65	4.5	0.8	5.0	4.2	28	<0.1	0.2	<0.1	56	0.43	0.039
24000 89100	Soil	0.9	28.2	7.1	81	0.1	19.4	12.2	617	3.12	4.9	0.7	8.1	3.2	21	<0.1	0.2	<0.1	69	0.34	0.029
24000 89150	Soil	1.0	23.4	8.9	89	0.2	13.7	14.7	682	3.72	3.9	0.3	9.6	2.4	27	<0.1	0.2	<0.1	94	0.34	0.045
24000 89200	Soil	1.2	34.5	8.6	73	<0.1	30.1	14.1	557	3.60	9.1	0.9	13.7	4.3	24	<0.1	0.4	<0.1	83	0.28	0.026
24000 89250	Soil	1.6	61.1	9.9	101	0.1	21.8	14.5	387	4.43	7.1	0.7	114.4	3.3	17	<0.1	0.5	<0.1	91	0.19	0.023
24000 89300	Soil	1.6	27.7	12.7	70	0.1	25.4	11.8	591	3.05	6.1	1.0	9.4	5.5	21	<0.1	0.3	<0.1	58	0.30	0.028
23100 88450	Soil	1.3	8.2	15.3	42	<0.1	12.1	5.3	232	1.59	4.6	0.4	<0.5	2.0	15	<0.1	0.1	<0.1	27	0.25	0.023
23100 88500	Soil	0.6	8.6	3.9	75	<0.1	24.8	24.6	402	3.10	3.2	0.3	0.8	1.7	24	<0.1	<0.1	<0.1	63	0.50	0.078
23100 88550	Soil	1.0	31.1	11.5	88	<0.1	13.7	15.3	734	5.35	4.3	1.5	<0.5	18.4	28	<0.1	0.2	<0.1	85	0.38	0.100
23100 88600	Soil	1.4	41.0	16.2	91	<0.1	85.4	19.4	1020	4.93	5.3	1.5	4.3	8.0	98	<0.1	0.2	<0.1	68	0.69	0.259
23100 88650	Soil	1.0	21.9	5.9	59	<0.1	14.8	9.4	495	2.96	3.4	0.7	6.2	4.8	10	<0.1	0.2	<0.1	54	0.11	0.023
23100 88700	Soil	1.1	50.4	4.7	78	<0.1	11.1	6.8	506	3.49	4.0	0.6	11.3	4.5	9	<0.1	0.1	<0.1	49	0.09	0.029
23100 88750	Soil	0.5	49.0	9.0	100	<0.1	13.7	16.4	357	3.86	3.0	0.4	1.6	2.5	13	<0.1	<0.1	<0.1	105	0.32	0.109
23100 88800	Soil	0.5	28.2	9.6	79	<0.1	12.6	9.5	556	3.03	3.7	0.5	2.8	5.1	24	<0.1	0.1	<0.1	47	0.41	0.060
23100 88850	Soil	0.5	30.0	18.3	214	<0.1	18.4	17.3	837	4.62	3.6	0.7	2.1	3.5	20	0.1	<0.1	<0.1	110	0.42	0.129
23100 88900	Soil	0.8	34.6	12.7	61	<0.1	28.6	11.0	265	2.91	6.7	0.7	4.1	5.4	22	<0.1	0.4	<0.1	76	0.25	0.043
23100 88950	Soil	0.6	53.1	4.1	86	<0.1	9.5	10.1	337	4.72	3.0	0.6	<0.5	3.4	14	<0.1	<0.1	<0.1	158	0.22	0.085
23100 89000	Soil	0.5	41.3	7.0	76	<0.1	22.7	14.6	383	3.34	4.9	0.7	1.5	4.1	34	<0.1	0.2	<0.1	95	0.64	0.140
23100 89050	Soil	1.2	50.1	9.3	45	0.1	33.9	12.6	333	3.09	7.0	0.7	6.4	2.9	20	<0.1	0.2	<0.1	80	0.28	0.030
23100 89100	Soil	0.6	34.7	7.7	69	<0.1	61.9	21.7	784	4.14	3.9	0.5	<0.5	2.6	35	<0.1	0.2	<0.1	87	0.48	0.084
23100 89250	Soil	1.5	15.5	8.5	73	<0.1	21.5	12.8	577	3.96	9.5	0.5	2.3	3.2	19	<0.1	0.3	<0.1	97	0.22	0.059
23100 89350	Soil	1.8	23.6	10.8	75	<0.1	24.3	13.7	512	3.85	8.6	0.7	5.3	4.6	18	<0.1	0.4	0.1	89	0.20	0.037
23100 89400	Soil	1.7	15.1	10.6	73	<0.1	17.9	9.8	447	3.83	8.2	0.5	1.0	2.9	13	0.2	0.4	0.2	85	0.16	0.059



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Project: Mariposa
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
24000 88700	Soil	9	13	1.88	354	0.136	<1	2.55	0.021	0.20	<0.1	<0.01	13.5	<0.1	<0.05	12	<0.5	<0.2
24000 88750	Soil	22	24	0.70	384	0.030	1	1.47	0.009	0.18	<0.1	0.02	6.6	<0.1	<0.05	6	<0.5	0.2
24000 88800	Soil	13	34	0.72	274	0.083	<1	1.52	0.015	0.09	0.1	0.01	4.9	<0.1	<0.05	5	<0.5	<0.2
24000 88850	Soil	10	28	1.52	331	0.254	2	2.45	0.029	0.30	<0.1	<0.01	5.0	0.1	<0.05	10	<0.5	<0.2
24000 88900	Soil	4	117	2.41	458	0.329	<1	3.08	0.029	0.57	<0.1	0.01	5.0	0.2	<0.05	9	<0.5	<0.2
24000 88950	Soil	27	88	0.79	413	0.017	1	1.66	0.008	0.15	<0.1	0.02	6.2	<0.1	<0.05	4	<0.5	<0.2
24000 89000	Soil	13	37	0.75	340	0.094	2	1.75	0.012	0.14	0.1	0.03	4.6	<0.1	<0.05	6	<0.5	<0.2
24000 89050	Soil	17	37	0.91	415	0.103	2	1.85	0.012	0.13	<0.1	0.01	5.3	0.1	<0.05	5	<0.5	<0.2
24000 89100	Soil	13	35	1.10	323	0.124	<1	2.00	0.013	0.20	0.1	0.03	7.6	0.2	<0.05	6	<0.5	<0.2
24000 89150	Soil	9	41	1.43	351	0.145	1	2.47	0.016	0.23	0.1	0.01	8.6	0.2	<0.05	8	<0.5	<0.2
24000 89200	Soil	18	49	0.88	409	0.115	2	2.43	0.015	0.11	0.1	0.03	10.1	<0.1	<0.05	7	<0.5	<0.2
24000 89250	Soil	15	40	0.78	278	0.065	2	2.58	0.011	0.14	0.1	0.03	9.1	0.2	<0.05	6	<0.5	<0.2
24000 89300	Soil	26	38	0.61	467	0.066	1	2.00	0.012	0.07	<0.1	0.04	7.3	<0.1	<0.05	6	<0.5	0.2
23100 88450	Soil	4	18	0.41	283	0.031	2	1.08	0.010	0.20	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
23100 88500	Soil	8	33	1.72	135	0.205	2	2.20	0.016	0.89	<0.1	0.01	2.7	0.4	<0.05	5	<0.5	<0.2
23100 88550	Soil	30	23	1.47	603	0.266	2	3.01	0.014	1.16	<0.1	0.02	4.5	0.4	<0.05	11	<0.5	<0.2
23100 88600	Soil	42	44	0.45	1689	0.008	2	1.31	0.010	0.20	<0.1	0.02	10.1	<0.1	<0.05	4	<0.5	<0.2
23100 88650	Soil	22	23	0.84	285	0.128	<1	1.62	0.009	0.22	<0.1	0.02	5.9	0.2	<0.05	6	<0.5	<0.2
23100 88700	Soil	16	18	0.66	283	0.109	<1	1.69	0.009	0.49	0.1	<0.01	4.7	0.2	<0.05	7	<0.5	<0.2
23100 88750	Soil	10	23	1.67	222	0.166	1	2.30	0.018	0.42	<0.1	0.01	6.4	0.2	<0.05	8	<0.5	<0.2
23100 88800	Soil	12	22	0.82	217	0.116	2	1.80	0.026	0.20	<0.1	<0.01	5.3	<0.1	<0.05	7	<0.5	<0.2
23100 88850	Soil	16	27	2.03	333	0.188	<1	2.78	0.014	0.82	<0.1	<0.01	10.7	0.3	<0.05	10	<0.5	<0.2
23100 88900	Soil	14	47	0.97	351	0.128	2	2.07	0.016	0.09	0.1	0.02	3.9	0.1	<0.05	6	<0.5	<0.2
23100 88950	Soil	15	19	1.65	337	0.242	<1	2.38	0.019	0.99	<0.1	<0.01	7.6	0.3	<0.05	9	<0.5	<0.2
23100 89000	Soil	18	33	1.45	309	0.188	2	2.09	0.026	0.31	0.1	0.02	6.3	0.2	<0.05	7	<0.5	<0.2
23100 89050	Soil	13	67	1.09	196	0.119	<1	2.41	0.022	0.10	0.1	0.03	4.2	0.1	<0.05	6	<0.5	<0.2
23100 89100	Soil	13	110	2.02	944	0.082	<1	2.90	0.014	0.11	<0.1	0.01	8.5	0.1	<0.05	8	<0.5	<0.2
23100 89250	Soil	11	40	0.93	203	0.162	<1	2.32	0.011	0.16	0.1	0.01	5.4	0.2	<0.05	9	<0.5	<0.2
23100 89350	Soil	15	42	0.98	238	0.148	2	2.80	0.012	0.16	0.1	0.02	5.8	0.2	<0.05	8	<0.5	<0.2
23100 89400	Soil	9	31	0.78	160	0.154	1	2.10	0.016	0.24	0.2	<0.01	4.6	0.2	<0.05	8	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
23100 89600	Soil	0.7	13.3	8.9	126	<0.1	18.0	11.4	320	3.18	5.5	0.3	3.6	2.3	18	<0.1	0.1	<0.1	76	0.17	0.048
23200 88450	Soil	2.1	39.2	6.2	60	<0.1	21.7	16.4	465	3.48	2.5	0.5	3.0	3.5	23	<0.1	<0.1	<0.1	89	0.38	0.044
23200 88500	Soil	0.6	12.6	6.4	76	<0.1	17.4	21.9	644	4.09	3.7	0.2	<0.5	1.7	42	<0.1	<0.1	<0.1	121	0.43	0.071
23200 88550	Soil	1.4	17.4	8.7	56	<0.1	19.3	9.3	824	3.01	4.8	1.0	2.7	6.9	30	<0.1	0.3	<0.1	42	0.57	0.068
23200 88600	Soil	2.9	73.6	11.2	76	<0.1	22.8	21.8	849	5.35	7.6	1.4	6.8	4.2	19	<0.1	0.4	<0.1	73	0.37	0.066
23200 88650	Soil	1.5	25.4	30.4	72	<0.1	20.7	8.5	523	2.83	3.9	0.7	21.8	5.0	15	<0.1	0.2	<0.1	50	0.20	0.020
23200 88700	Soil	1.7	25.4	11.6	84	<0.1	16.6	7.9	624	2.95	4.0	1.2	8.0	4.9	13	0.2	0.3	0.1	41	0.17	0.025
23200 88750	Soil	4.4	47.8	11.4	114	0.1	93.6	24.5	1186	5.35	6.3	1.4	358.1	6.9	90	0.2	0.4	0.1	109	0.67	0.244
23200 88800	Soil	0.5	42.9	7.3	100	<0.1	18.9	15.5	712	4.40	3.7	0.6	1.8	3.3	16	<0.1	0.2	<0.1	104	0.47	0.149
23200 88850	Soil	0.6	43.4	7.8	94	<0.1	42.9	16.3	388	3.89	6.0	0.4	3.0	2.0	15	<0.1	0.3	<0.1	114	0.26	0.047
23200 88900	Soil	0.8	22.6	9.3	51	<0.1	34.9	14.2	348	3.05	6.8	0.3	2.4	2.1	18	<0.1	0.3	<0.1	80	0.36	0.095
23200 88950	Soil	0.8	32.6	6.0	111	<0.1	15.3	14.0	588	4.25	2.7	0.3	0.6	2.1	19	<0.1	0.2	<0.1	88	0.38	0.113
23200 89000	Soil	1.0	17.3	10.2	83	0.1	21.9	10.9	922	3.38	7.5	0.3	2.9	1.9	29	0.2	0.4	0.1	74	0.50	0.077
23200 89050	Soil	1.5	39.7	9.3	93	<0.1	19.0	16.5	704	4.49	4.6	0.5	3.6	2.5	12	0.2	0.2	<0.1	101	0.26	0.079
23200 89100	Soil	1.6	24.6	16.3	76	<0.1	37.2	13.5	745	4.66	9.8	0.4	2.2	3.9	15	0.1	0.3	0.1	100	0.20	0.132
23200 89150	Soil	0.9	60.5	14.5	110	0.2	270.7	46.2	1878	7.89	4.3	2.0	13.2	17.9	284	0.2	0.3	0.1	177	2.25	0.689
23200 89200	Soil	1.7	19.0	13.7	72	<0.1	20.6	12.2	392	3.87	4.5	0.6	4.6	2.9	12	<0.1	0.3	0.4	81	0.12	0.024
23200 89250	Soil	0.6	26.1	6.7	86	<0.1	28.4	14.3	686	3.80	4.9	0.6	9.2	3.8	32	<0.1	0.3	0.1	83	0.43	0.073
24800 89400	Soil	1.5	77.7	219.8	293	0.4	16.9	13.2	1206	3.81	4.1	0.9	11.9	4.1	21	1.0	0.5	0.6	67	0.45	0.055



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
23100 89600	Soil	8	30	0.96	170	0.165	<1	2.54	0.011	0.32	0.1	0.01	2.6	0.2	<0.05	10	<0.5	<0.2
23200 88450	Soil	8	37	1.23	277	0.193	2	2.20	0.022	0.58	<0.1	<0.01	5.1	0.2	<0.05	6	<0.5	<0.2
23200 88500	Soil	10	27	1.99	236	0.311	1	2.96	0.014	0.78	0.1	<0.01	2.0	0.3	<0.05	6	<0.5	<0.2
23200 88550	Soil	28	27	0.58	569	0.063	2	1.36	0.021	0.20	<0.1	0.03	4.4	<0.1	<0.05	5	<0.5	<0.2
23200 88600	Soil	19	24	0.62	689	0.009	<1	1.39	0.011	0.15	<0.1	0.02	11.1	<0.1	<0.05	4	<0.5	<0.2
23200 88650	Soil	17	35	0.63	318	0.088	<1	1.41	0.013	0.15	<0.1	0.01	5.3	<0.1	<0.05	5	<0.5	<0.2
23200 88700	Soil	15	27	0.52	270	0.072	3	1.15	0.012	0.24	<0.1	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2
23200 88750	Soil	37	109	1.63	471	0.070	3	2.11	0.011	0.12	0.1	0.04	18.6	<0.1	<0.05	8	<0.5	2.8
23200 88800	Soil	15	34	1.71	410	0.151	<1	2.34	0.013	0.69	<0.1	<0.01	8.0	0.2	<0.05	9	<0.5	<0.2
23200 88850	Soil	6	101	2.14	298	0.201	<1	2.83	0.017	0.48	<0.1	0.02	5.2	0.2	<0.05	8	<0.5	<0.2
23200 88900	Soil	5	76	1.31	279	0.157	<1	2.08	0.017	0.41	<0.1	<0.01	3.8	0.2	<0.05	6	<0.5	<0.2
23200 88950	Soil	7	27	1.40	429	0.182	<1	2.16	0.011	0.74	<0.1	<0.01	8.6	0.2	<0.05	9	<0.5	0.3
23200 89000	Soil	6	34	0.85	361	0.135	2	1.90	0.013	0.35	0.1	0.01	3.7	0.2	<0.05	6	<0.5	<0.2
23200 89050	Soil	8	34	1.14	270	0.163	<1	2.33	0.015	0.51	<0.1	0.01	6.9	0.2	<0.05	8	<0.5	0.3
23200 89100	Soil	12	80	1.27	393	0.206	1	2.22	0.009	0.30	0.2	0.02	7.7	0.2	<0.05	9	<0.5	<0.2
23200 89150	Soil	103	290	2.83	2243	0.121	1	2.35	0.014	0.14	<0.1	0.04	22.5	0.2	<0.05	9	<0.5	<0.2
23200 89200	Soil	10	38	0.98	248	0.108	<1	2.40	0.011	0.25	<0.1	<0.01	8.0	0.2	<0.05	7	<0.5	0.3
23200 89250	Soil	16	54	1.53	472	0.160	<1	2.33	0.011	0.43	0.1	0.01	8.9	0.3	<0.05	8	<0.5	0.5
24800 89400	Soil	21	27	0.87	617	0.064	10	1.89	0.013	0.17	0.1	0.05	8.4	0.1	<0.05	6	<0.5	<0.2



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
22400 88650	Soil	1.5	31.3	10.7	143	0.1	61.1	15.0	536	3.66	19.3	1.0	3.4	5.6	55	0.3	0.4	0.1	50	0.66	0.149
REP 22400 88650	QC	1.5	32.8	10.9	149	<0.1	64.5	15.3	546	3.81	19.5	0.9	3.4	5.6	57	0.4	0.4	0.1	51	0.67	0.151
22500 89150	Soil	0.7	18.1	5.0	73	<0.1	34.4	14.0	413	3.49	5.0	0.5	2.1	2.4	37	<0.1	0.1	<0.1	75	0.52	0.110
REP 22500 89150	QC	0.8	17.6	5.2	69	<0.1	33.8	14.4	416	3.45	4.8	0.5	1.9	2.5	38	<0.1	0.1	<0.1	76	0.52	0.113
22500 89500	Soil	1.1	16.0	4.6	83	<0.1	11.2	12.7	552	3.12	5.4	0.5	1.7	4.5	10	0.2	0.3	<0.1	61	0.08	0.027
REP 22500 89500	QC	1.1	16.8	5.0	87	<0.1	12.2	13.6	574	3.33	5.6	0.6	0.8	4.8	10	0.3	0.2	0.1	67	0.08	0.025
23000 89600	Soil	0.8	14.7	4.2	97	<0.1	10.8	15.7	866	3.25	3.9	0.4	5.6	3.4	14	<0.1	0.2	<0.1	84	0.29	0.082
REP 23000 89600	QC	0.8	14.9	4.6	98	<0.1	11.9	16.0	924	3.35	3.8	0.4	3.8	3.6	15	<0.1	0.1	0.1	89	0.30	0.083
23400 88750	Soil	0.7	23.2	6.4	102	<0.1	19.2	13.8	788	4.23	3.1	0.7	7.9	3.0	22	<0.1	0.2	<0.1	94	0.50	0.070
REP 23400 88750	QC	0.6	23.6	6.5	103	0.1	19.1	14.2	789	4.20	3.1	0.7	49.4	3.0	22	<0.1	0.2	<0.1	91	0.50	0.068
23500 89150	Soil	1.0	18.8	5.8	116	<0.1	14.4	12.4	703	3.97	4.7	0.4	1.3	2.4	24	0.1	0.2	0.1	73	0.27	0.057
REP 23500 89150	QC	0.8	18.7	5.8	114	<0.1	13.6	12.3	696	3.95	4.5	0.4	0.9	2.4	24	0.1	0.2	0.1	71	0.28	0.058
23600 89100	Soil	0.5	55.1	4.0	62	<0.1	23.8	16.2	353	3.71	2.8	0.4	1.2	1.5	10	<0.1	0.1	0.1	114	0.35	0.101
REP 23600 89100	QC	0.4	52.6	4.0	61	<0.1	23.9	15.3	344	3.64	2.6	0.4	0.6	1.5	10	<0.1	0.1	<0.1	111	0.34	0.100
23700 89100	Soil	0.9	24.6	5.6	59	0.1	19.2	8.3	380	2.40	5.1	0.8	26.8	3.9	18	<0.1	0.3	0.1	48	0.22	0.033
REP 23700 89100	QC	0.8	25.1	5.6	60	0.1	18.8	8.3	384	2.39	4.9	0.8	12.2	3.8	18	<0.1	0.4	0.1	49	0.23	0.033
23800 88800	Soil	2.2	216.7	7.8	94	<0.1	19.2	17.5	1000	4.90	3.8	0.5	4.4	4.7	16	<0.1	0.3	0.3	87	0.32	0.079
REP 23800 88800	QC	2.2	213.3	7.6	92	<0.1	19.7	17.9	1030	4.90	3.8	0.6	6.8	4.6	16	<0.1	0.3	0.3	88	0.33	0.077
23900 89300	Soil	1.1	15.6	7.8	129	<0.1	14.9	21.6	860	5.01	5.5	0.4	62.1	2.9	13	<0.1	0.4	0.1	103	0.17	0.057
REP 23900 89300	QC	1.1	15.7	7.6	126	<0.1	14.1	20.7	857	4.90	5.5	0.4	66.8	3.0	13	0.1	0.4	<0.1	100	0.17	0.058
24000 89100	Soil	0.9	28.2	7.1	81	0.1	19.4	12.2	617	3.12	4.9	0.7	8.1	3.2	21	<0.1	0.2	<0.1	69	0.34	0.029
REP 24000 89100	QC	0.9	28.3	6.9	79	0.1	19.4	12.1	617	3.09	5.2	0.6	6.1	3.3	21	<0.1	0.2	<0.1	69	0.35	0.028
23200 88650	Soil	1.5	25.4	30.4	72	<0.1	20.7	8.5	523	2.83	3.9	0.7	21.8	5.0	15	<0.1	0.2	<0.1	50	0.20	0.020
REP 23200 88650	QC	1.4	26.5	29.8	74	<0.1	20.1	8.2	514	2.75	4.0	0.7	17.7	5.0	15	<0.1	0.2	<0.1	48	0.20	0.020
23200 88850	Soil	0.6	43.4	7.8	94	<0.1	42.9	16.3	388	3.89	6.0	0.4	3.0	2.0	15	<0.1	0.3	<0.1	114	0.26	0.047
REP 23200 88850	QC	0.7	44.7	7.8	91	<0.1	43.8	15.3	398	3.90	6.3	0.3	4.6	2.0	14	<0.1	0.2	<0.1	115	0.24	0.045
Reference Materials																					
STD DS7	Standard	19.7	110.6	69.2	388	1.0	55.0	9.1	617	2.42	49.6	4.7	68.5	4.4	70	6.0	5.8	4.5	84	0.88	0.078



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Project: Mariposa

Report Date: October 18, 2010

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QUALITY CONTROL REPORT

WHI10000438.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
22400 88650	Soil	24	58	0.71	767	0.030	2	1.38	0.014	0.11	0.1	0.03	6.1	<0.1	<0.05	4	<0.5	0.4
REP 22400 88650	QC	26	57	0.72	785	0.030	3	1.45	0.022	0.10	0.1	0.04	6.4	<0.1	<0.05	4	<0.5	<0.2
22500 89150	Soil	11	50	1.25	286	0.222	<1	1.87	0.018	0.40	0.1	0.01	3.0	0.2	<0.05	5	<0.5	<0.2
REP 22500 89150	QC	11	50	1.31	289	0.216	1	1.92	0.016	0.41	0.1	0.02	3.0	0.2	<0.05	6	<0.5	0.2
22500 89500	Soil	21	19	1.20	173	0.185	1	1.95	0.011	0.50	0.1	<0.01	8.0	0.2	<0.05	8	<0.5	<0.2
REP 22500 89500	QC	22	21	1.22	179	0.192	1	1.97	0.013	0.50	0.2	<0.01	8.4	0.2	<0.05	8	<0.5	<0.2
23000 89600	Soil	12	20	1.19	225	0.204	1	1.96	0.014	0.50	0.2	0.01	6.1	0.2	<0.05	9	<0.5	<0.2
REP 23000 89600	QC	13	21	1.28	235	0.220	2	2.00	0.014	0.52	0.2	<0.01	6.3	0.2	<0.05	9	<0.5	<0.2
23400 88750	Soil	12	37	1.42	428	0.105	2	2.15	0.010	0.36	<0.1	0.02	10.1	0.1	<0.05	9	<0.5	<0.2
REP 23400 88750	QC	12	38	1.41	440	0.101	2	2.14	0.010	0.35	<0.1	0.03	9.8	0.1	<0.05	9	<0.5	<0.2
23500 89150	Soil	5	28	1.28	277	0.142	1	2.59	0.008	0.62	0.1	0.01	3.7	0.2	<0.05	8	<0.5	<0.2
REP 23500 89150	QC	5	28	1.27	270	0.139	1	2.52	0.007	0.60	0.2	0.01	3.6	0.3	<0.05	8	<0.5	<0.2
23600 89100	Soil	6	55	1.22	229	0.144	<1	2.20	0.021	0.35	<0.1	0.01	5.7	0.1	<0.05	7	<0.5	<0.2
REP 23600 89100	QC	6	55	1.23	229	0.141	<1	2.17	0.021	0.34	<0.1	<0.01	5.6	0.1	<0.05	7	<0.5	<0.2
23700 89100	Soil	15	27	0.53	397	0.055	1	1.46	0.010	0.07	0.1	<0.01	4.0	<0.1	<0.05	4	0.6	<0.2
REP 23700 89100	QC	16	28	0.54	396	0.058	1	1.49	0.012	0.08	<0.1	0.01	4.1	<0.1	<0.05	4	0.5	<0.2
23800 88800	Soil	16	42	1.52	502	0.085	1	2.49	0.009	0.39	0.1	0.02	9.5	0.1	<0.05	11	<0.5	0.4
REP 23800 88800	QC	16	41	1.42	497	0.081	1	2.39	0.010	0.37	0.1	0.02	9.1	0.1	<0.05	11	<0.5	0.2
23900 89300	Soil	12	31	0.95	256	0.071	1	2.49	0.008	0.12	0.1	0.02	15.9	0.1	<0.05	9	<0.5	<0.2
REP 23900 89300	QC	12	29	0.91	256	0.075	1	2.41	0.007	0.13	0.1	0.02	16.0	0.1	<0.05	9	<0.5	0.3
24000 89100	Soil	13	35	1.10	323	0.124	<1	2.00	0.013	0.20	0.1	0.03	7.6	0.2	<0.05	6	<0.5	<0.2
REP 24000 89100	QC	14	35	1.09	343	0.127	<1	2.02	0.013	0.21	0.2	0.03	7.8	0.2	<0.05	6	<0.5	<0.2
23200 88650	Soil	17	35	0.63	318	0.088	<1	1.41	0.013	0.15	<0.1	0.01	5.3	<0.1	<0.05	5	<0.5	<0.2
REP 23200 88650	QC	17	34	0.62	312	0.087	2	1.38	0.014	0.14	<0.1	0.01	4.9	<0.1	<0.05	5	<0.5	<0.2
23200 88850	Soil	6	101	2.14	298	0.201	<1	2.83	0.017	0.48	<0.1	0.02	5.2	0.2	<0.05	8	<0.5	<0.2
REP 23200 88850	QC	6	101	2.16	288	0.200	2	2.87	0.015	0.46	<0.1	<0.01	5.1	0.2	<0.05	8	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	12	195	1.03	397	0.114	40	0.98	0.096	0.49	3.5	0.20	2.7	4.1	0.19	5	2.6	0.9



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Project: Mariposa

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QUALITY CONTROL REPORT

WHI10000438.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
STD DS7	Standard	20.6	111.4	64.1	399	1.0	57.3	9.9	613	2.41	52.3	4.7	103.0	4.8	66	6.5	5.8	4.6	86	0.90
STD DS7	Standard	20.5	104.7	69.8	382	1.0	56.5	9.7	594	2.35	47.3	4.7	69.2	4.6	72	5.5	5.9	4.4	83	0.86
STD DS7	Standard	20.8	113.6	64.7	377	1.0	60.0	9.9	648	2.47	49.9	4.8	75.3	4.6	75	5.8	5.6	4.4	94	0.98
STD DS7	Standard	21.5	120.7	77.6	405	1.0	56.4	9.8	666	2.49	54.7	5.0	76.9	4.9	82	6.7	6.6	5.0	86	0.99
STD DS7	Standard	20.2	116.3	71.8	400	1.0	58.5	9.6	633	2.42	50.7	5.0	89.1	4.7	69	6.1	5.9	4.8	85	0.91
STD DS7	Standard	21.0	111.3	70.1	369	0.9	57.7	9.6	626	2.33	51.7	4.9	66.5	5.0	81	5.7	6.0	4.4	86	0.90
STD DS7	Standard	19.4	104.7	70.8	384	0.9	54.5	9.3	601	2.29	49.8	4.8	76.9	4.7	74	5.7	5.8	4.8	80	0.91
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01



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Project: Mariposa

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QUALITY CONTROL REPORT

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		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS7	Standard	12	207	1.07	389	0.117	38	1.02	0.098	0.46	3.8	0.22	2.4	4.1	0.19	5	3.4	1.5
STD DS7	Standard	12	196	0.98	367	0.120	38	0.96	0.098	0.45	3.4	0.22	2.6	3.8	0.15	5	2.7	1.2
STD DS7	Standard	12	214	1.14	385	0.150	43	1.10	0.106	0.51	3.7	0.21	2.5	4.0	0.30	5	2.9	1.3
STD DS7	Standard	14	199	1.07	420	0.128	42	1.05	0.098	0.48	3.8	0.24	2.7	4.3	0.15	5	3.5	1.0
STD DS7	Standard	11	207	1.05	384	0.119	41	0.98	0.090	0.46	3.6	0.22	2.3	4.2	0.18	4	3.7	0.4
STD DS7	Standard	14	206	1.04	403	0.128	40	1.05	0.097	0.47	3.5	0.25	2.5	4.0	0.20	5	2.8	1.5
STD DS7	Standard	13	191	1.01	392	0.122	41	0.97	0.091	0.44	3.5	0.19	2.4	4.0	0.18	5	2.9	1.1
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: September 03, 2010

Report Date: October 12, 2010

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CERTIFICATE OF ANALYSIS

WHI10000439.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID:
P.O. Number
Number of Samples: 115

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
PICKUP-RJT Client to Pickup Rejects

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
John Brock

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	115	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	115	Dry at 60C			WHI
RJSV	115	Saving all or part of Soil Reject			WHI
1DX2	115	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
Report Date: October 12, 2010

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CERTIFICATE OF ANALYSIS

WHI10000439.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
28000 88100	Soil	3.6	147.3	36.9	401	2.1	20.9	53.3	680	5.64	5.2	1.9	17.8	4.8	52	1.7	0.2	2.0	122	0.83	0.109
28000 88250	Soil	1.4	31.4	10.1	76	0.1	14.6	7.8	319	2.60	5.1	1.2	48.8	5.7	27	0.1	0.3	0.3	48	0.37	0.060
28000 88350	Soil	1.9	48.0	29.6	255	0.1	10.3	8.3	862	3.17	1.7	1.8	3.4	11.1	18	0.4	0.3	0.2	41	0.35	0.071
22500 89900	Soil	2.4	25.1	6.4	67	0.3	21.7	15.8	442	2.90	2.9	0.9	2.7	2.1	15	<0.1	0.1	0.1	77	0.25	0.054
22500 89950	Soil	1.2	28.5	13.8	86	0.1	24.3	14.3	465	3.17	3.8	0.6	2.0	2.4	18	0.1	0.2	0.1	89	0.39	0.067
22500 90000	Soil	0.9	37.1	17.9	103	<0.1	17.3	15.7	551	4.20	3.1	0.4	<0.5	1.6	10	0.2	0.2	<0.1	109	0.34	0.086
22500 90050	Soil	0.5	35.9	59.2	240	<0.1	15.2	17.4	866	4.12	3.6	0.4	<0.5	2.2	16	0.6	0.2	<0.1	118	0.47	0.134
22500 90100	Soil	0.4	43.0	11.3	120	<0.1	33.3	20.9	754	3.94	2.1	0.2	1.9	1.1	12	0.2	0.1	<0.1	113	0.34	0.070
22500 90150	Soil	0.5	35.7	10.8	99	<0.1	37.2	16.2	473	3.50	3.2	0.4	3.1	1.6	16	<0.1	0.2	<0.1	113	0.33	0.050
22500 90200	Soil	0.5	36.3	7.3	88	<0.1	33.5	16.6	555	3.27	1.9	0.3	1.5	1.6	16	<0.1	0.1	<0.1	97	0.38	0.081
22500 90250	Soil	0.3	27.3	5.0	114	<0.1	40.7	22.0	657	4.35	1.4	0.3	1.6	1.8	13	<0.1	<0.1	<0.1	125	0.49	0.134
22500 90300	Soil	0.3	40.2	7.5	114	<0.1	39.0	19.3	643	3.69	1.6	0.4	2.9	2.3	18	0.2	0.1	<0.1	110	0.49	0.134
22500 90350	Soil	0.5	24.8	5.4	109	<0.1	43.7	21.7	695	3.76	2.0	0.3	2.2	1.6	15	<0.1	0.2	<0.1	118	0.35	0.078
22500 90400	Soil	0.7	20.6	13.8	127	0.2	36.3	21.2	719	3.76	2.5	0.4	3.8	2.1	14	0.2	0.1	<0.1	97	0.35	0.084
22500 90450	Soil	1.3	40.9	10.1	181	0.1	18.8	14.5	673	4.11	2.6	0.6	4.3	2.8	18	0.2	0.2	<0.1	93	0.46	0.124
22500 90550	Soil	0.4	12.5	4.8	127	<0.1	11.7	15.2	1205	4.97	1.9	0.6	1.5	4.0	44	<0.1	0.2	<0.1	102	0.86	0.188
22500 90600	Soil	0.3	3.3	4.8	83	<0.1	5.5	11.1	723	3.20	2.1	0.5	0.7	3.2	33	<0.1	<0.1	<0.1	80	0.76	0.174
22500 90650	Soil	1.1	7.3	6.5	84	<0.1	11.3	11.4	629	3.70	5.8	0.4	1.4	1.9	38	<0.1	0.3	<0.1	101	0.51	0.127
22500 90700	Soil	0.7	8.3	5.9	78	<0.1	11.7	11.3	563	3.49	4.5	0.4	<0.5	2.2	36	<0.1	0.3	<0.1	91	0.47	0.111
22400 90050	Soil	1.1	31.3	6.5	71	<0.1	23.9	11.4	427	3.27	6.6	0.8	1.2	4.4	16	<0.1	0.4	0.2	73	0.23	0.028
22400 90100	Soil	0.5	40.0	4.8	78	<0.1	31.7	16.6	387	3.48	1.9	0.2	<0.5	1.3	10	<0.1	0.2	<0.1	105	0.28	0.043
22400 90150	Soil	0.2	60.3	5.1	74	<0.1	316.2	39.6	1088	4.96	1.2	1.0	1.1	13.0	263	<0.1	0.1	0.1	125	1.52	0.350
22400 90200	Soil	0.7	24.6	10.3	104	<0.1	14.4	13.8	596	3.15	3.5	0.5	0.9	2.4	13	0.4	0.2	<0.1	83	0.31	0.089
22400 90250	Soil	0.6	39.2	10.8	111	<0.1	16.8	18.6	703	3.76	2.8	0.4	1.4	2.2	12	0.3	0.1	<0.1	111	0.44	0.125
22400 90300	Soil	0.5	34.0	7.1	166	<0.1	11.9	18.4	991	4.82	1.1	0.2	0.9	1.4	11	0.4	0.1	<0.1	125	0.47	0.140
22400 90450	Soil	0.7	26.5	17.4	109	0.7	26.7	13.1	370	3.07	2.9	0.8	27.7	1.9	19	0.3	0.2	<0.1	78	0.34	0.086
22400 90550	Soil	1.1	12.2	7.3	68	<0.1	17.6	10.9	418	3.36	6.8	0.5	1.9	3.5	45	<0.1	0.5	0.1	88	0.41	0.043
22400 90600	Soil	0.4	7.4	4.3	81	<0.1	11.5	11.2	674	3.26	5.1	0.7	<0.5	3.4	53	<0.1	0.2	<0.1	77	0.82	0.169
22400 90650	Soil	0.4	6.1	4.7	112	<0.1	8.6	14.6	959	4.02	5.8	0.4	<0.5	2.5	65	<0.1	0.3	<0.1	92	0.95	0.165
22400 90700	Soil	0.3	6.3	3.8	94	<0.1	9.3	12.8	793	3.81	2.1	0.5	0.7	2.5	40	<0.1	0.1	<0.1	97	0.94	0.184



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
28000 88100	Soil	24	21	1.82	438	0.305	2	3.63	0.044	1.06	<0.1	0.02	5.3	1.9	<0.05	11	<0.5	2.3
28000 88250	Soil	19	25	0.52	268	0.075	3	1.69	0.014	0.07	0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
28000 88350	Soil	24	15	0.59	400	0.178	1	1.72	0.014	0.52	<0.1	<0.01	3.9	0.3	<0.05	7	0.6	<0.2
22500 89900	Soil	11	49	1.01	145	0.140	1	1.70	0.020	0.14	0.1	0.02	5.2	0.1	<0.05	7	<0.5	<0.2
22500 89950	Soil	10	54	1.32	234	0.213	1	2.07	0.023	0.32	0.2	0.01	5.3	0.2	<0.05	7	0.8	<0.2
22500 90000	Soil	8	29	1.30	250	0.203	1	2.02	0.020	0.67	<0.1	<0.01	6.0	0.2	<0.05	9	0.5	<0.2
22500 90050	Soil	8	28	1.41	496	0.274	2	2.25	0.024	1.00	<0.1	<0.01	6.3	0.4	<0.05	9	<0.5	<0.2
22500 90100	Soil	5	76	1.87	287	0.294	<1	2.55	0.018	0.82	<0.1	<0.01	3.9	0.4	<0.05	9	<0.5	<0.2
22500 90150	Soil	8	89	1.74	319	0.263	1	2.38	0.021	0.49	0.1	0.01	4.7	0.2	<0.05	9	<0.5	<0.2
22500 90200	Soil	8	75	1.73	354	0.242	1	2.21	0.022	0.62	<0.1	<0.01	4.6	0.2	<0.05	8	0.5	<0.2
22500 90250	Soil	10	108	2.70	466	0.344	1	3.10	0.025	1.36	<0.1	<0.01	10.5	0.4	<0.05	11	0.6	<0.2
22500 90300	Soil	11	104	2.31	441	0.260	1	2.61	0.024	1.01	<0.1	0.01	6.8	0.4	<0.05	9	<0.5	<0.2
22500 90350	Soil	8	104	2.66	295	0.196	2	2.61	0.025	0.60	<0.1	<0.01	6.9	0.2	<0.05	9	<0.5	<0.2
22500 90400	Soil	9	92	1.90	267	0.163	2	2.39	0.020	0.49	<0.1	0.01	7.0	0.2	<0.05	9	<0.5	<0.2
22500 90450	Soil	13	54	0.98	214	0.063	1	1.99	0.014	0.18	<0.1	0.01	8.1	<0.1	<0.05	8	<0.5	<0.2
22500 90550	Soil	23	13	1.46	516	0.059	1	2.54	0.014	0.14	<0.1	0.01	7.3	<0.1	<0.05	12	0.7	<0.2
22500 90600	Soil	11	10	1.11	141	0.159	1	2.10	0.028	0.37	<0.1	<0.01	3.3	0.2	<0.05	8	<0.5	<0.2
22500 90650	Soil	8	20	0.97	189	0.145	2	2.25	0.016	0.17	0.1	<0.01	3.3	<0.1	<0.05	9	<0.5	<0.2
22500 90700	Soil	9	21	0.93	173	0.145	1	2.16	0.015	0.15	0.1	0.01	3.1	<0.1	<0.05	9	<0.5	<0.2
22400 90050	Soil	15	45	0.87	210	0.128	2	1.80	0.019	0.24	0.1	<0.01	5.3	0.1	<0.05	6	<0.5	<0.2
22400 90100	Soil	6	83	1.81	165	0.203	<1	2.51	0.030	0.22	<0.1	<0.01	5.4	0.2	<0.05	8	<0.5	<0.2
22400 90150	Soil	81	419	6.14	1463	0.247	1	3.66	0.069	1.11	<0.1	<0.01	9.1	0.5	<0.05	12	<0.5	<0.2
22400 90200	Soil	12	31	0.91	219	0.162	3	1.71	0.021	0.29	<0.1	<0.01	4.7	0.1	<0.05	7	<0.5	<0.2
22400 90250	Soil	11	33	1.30	362	0.225	1	2.24	0.028	0.64	<0.1	<0.01	5.6	0.2	<0.05	9	<0.5	<0.2
22400 90300	Soil	6	23	1.23	317	0.185	<1	2.20	0.023	0.64	<0.1	<0.01	7.9	0.2	<0.05	10	<0.5	<0.2
22400 90450	Soil	14	58	1.32	264	0.127	1	1.98	0.020	0.27	0.1	0.03	7.1	0.1	<0.05	8	0.6	<0.2
22400 90550	Soil	10	31	0.81	174	0.117	2	2.13	0.017	0.11	0.1	0.01	4.0	<0.1	<0.05	8	<0.5	<0.2
22400 90600	Soil	10	19	1.07	173	0.186	2	2.18	0.024	0.39	<0.1	<0.01	3.6	0.2	<0.05	9	<0.5	<0.2
22400 90650	Soil	12	14	1.49	134	0.129	2	2.57	0.032	0.06	<0.1	<0.01	5.1	<0.1	<0.05	12	<0.5	<0.2
22400 90700	Soil	14	15	1.19	268	0.141	<1	2.54	0.018	0.47	<0.1	<0.01	4.6	0.2	<0.05	10	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
22400 90750	Soil	0.4	6.8	4.0	79	<0.1	13.3	13.7	637	3.24	2.9	0.7	1.1	3.7	42	<0.1	0.1	<0.1	92	0.73	0.146
22300 88700	Soil	1.3	22.2	8.1	63	<0.1	21.6	19.0	861	2.96	6.3	0.6	3.5	3.2	25	0.1	0.2	0.1	62	0.43	0.062
22300 88750	Soil	0.5	12.6	3.4	140	<0.1	6.8	18.9	809	5.35	1.9	0.6	1.1	5.4	19	0.1	<0.1	<0.1	136	0.59	0.155
22300 88800	Soil	8.8	48.6	9.5	77	<0.1	34.2	16.4	329	4.83	25.1	2.2	1.0	6.4	23	0.2	0.5	<0.1	78	0.34	0.066
22300 88850	Soil	0.8	13.2	4.2	76	<0.1	17.0	18.0	346	2.67	1.9	0.7	22.9	4.5	14	<0.1	0.2	0.1	50	0.46	0.160
22300 89100	Soil	0.6	10.6	4.6	89	<0.1	13.9	19.9	525	2.92	2.8	0.5	1.7	2.2	48	<0.1	0.1	<0.1	53	0.77	0.117
22300 89150	Soil	1.5	75.8	9.1	85	<0.1	12.1	18.0	354	3.41	5.1	0.6	0.8	2.4	32	<0.1	0.2	<0.1	58	0.48	0.085
22300 89250	Soil	0.7	23.1	4.5	63	<0.1	13.9	12.1	348	2.89	4.1	0.4	11.8	2.6	17	<0.1	0.2	<0.1	59	0.28	0.031
22300 89300	Soil	0.4	21.4	5.3	75	<0.1	6.5	11.0	349	2.88	2.1	0.3	0.5	1.2	21	<0.1	0.1	<0.1	74	0.36	0.067
22300 89350	Soil	0.8	20.2	5.8	58	<0.1	11.3	10.1	348	2.57	6.2	0.4	0.8	1.9	17	<0.1	0.2	<0.1	56	0.25	0.017
22300 89400	Soil	0.4	29.8	3.2	83	<0.1	9.6	14.3	361	3.67	2.1	0.2	0.7	0.8	19	<0.1	<0.1	<0.1	100	0.30	0.031
22300 89450	Soil	0.6	18.8	3.9	69	<0.1	10.8	15.4	364	4.06	2.4	0.4	3.2	1.1	16	<0.1	0.2	<0.1	104	0.36	0.043
22300 89500	Soil	0.5	20.8	5.2	75	0.1	16.1	14.7	465	3.56	3.5	0.4	3.4	1.8	18	<0.1	0.2	<0.1	84	0.44	0.052
22300 89550	Soil	0.9	24.2	4.4	63	<0.1	8.6	12.8	427	4.12	4.2	0.2	<0.5	0.7	12	<0.1	0.2	<0.1	125	0.32	0.080
22300 89600	Soil	0.6	16.5	6.6	99	<0.1	16.2	14.7	513	2.96	3.6	0.3	<0.5	1.1	27	<0.1	0.1	<0.1	67	0.63	0.082
22300 90000	Soil	0.8	20.8	5.9	112	<0.1	9.1	15.1	603	4.30	1.2	0.4	0.7	1.6	18	<0.1	<0.1	<0.1	88	0.51	0.160
22300 90050	Soil	0.7	21.6	4.7	107	<0.1	6.4	18.5	588	5.31	1.7	0.3	<0.5	1.0	25	<0.1	0.1	<0.1	116	0.79	0.256
22300 90100	Soil	0.7	17.7	5.0	91	<0.1	19.8	20.6	738	4.14	2.5	0.6	1.5	3.1	23	<0.1	0.2	<0.1	78	0.54	0.153
22300 90300	Soil	1.2	33.5	10.5	80	<0.1	11.9	12.3	800	3.00	3.6	0.7	1.1	5.2	10	0.1	0.2	0.1	61	0.15	0.058
22300 90400	Soil	0.9	24.0	19.6	114	0.2	19.2	13.3	761	3.41	4.3	0.6	2.6	3.2	18	0.4	0.2	0.1	82	0.33	0.079
22300 90550	Soil	0.6	10.9	7.6	103	<0.1	12.3	13.5	900	4.38	4.9	0.7	<0.5	3.6	59	<0.1	0.2	<0.1	83	0.63	0.186
22300 90600	Soil	0.4	6.5	5.8	85	<0.1	9.8	10.4	678	3.14	4.1	0.7	3.5	3.5	37	<0.1	0.2	<0.1	68	0.57	0.148
22300 90650	Soil	0.4	4.8	9.3	99	<0.1	9.1	11.4	873	3.47	4.9	0.7	<0.5	1.9	61	<0.1	0.2	<0.1	66	0.89	0.193
22300 90700	Soil	0.8	7.9	7.9	87	<0.1	15.1	12.3	607	3.62	4.6	0.5	1.4	2.5	30	<0.1	0.2	<0.1	86	0.45	0.128
22300 90750	Soil	1.0	18.7	9.8	56	<0.1	12.5	7.1	570	2.27	3.1	0.6	2.0	4.0	21	<0.1	0.3	<0.1	35	0.58	0.080
22300 90800	Soil	0.9	8.5	10.2	69	<0.1	11.0	8.8	605	2.87	3.6	0.5	0.7	2.6	28	<0.1	0.1	0.1	65	0.41	0.102
22100 88650	Soil	0.5	23.8	5.5	101	<0.1	28.9	23.2	641	4.34	3.7	0.7	<0.5	5.5	29	<0.1	0.1	<0.1	92	0.46	0.115
22100 88700	Soil	0.5	48.7	4.5	84	<0.1	19.4	18.3	471	4.27	4.8	0.7	0.7	5.7	24	<0.1	0.1	<0.1	84	0.37	0.066
22100 88750	Soil	0.7	99.1	5.9	44	<0.1	33.2	24.0	342	2.92	3.8	0.4	0.7	2.8	19	<0.1	0.2	<0.1	82	0.37	0.067
22100 88800	Soil	1.0	15.2	7.4	93	<0.1	8.4	8.1	468	4.30	4.3	0.9	0.5	7.8	13	<0.1	0.3	<0.1	39	0.13	0.023



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22400 90750	Soil	10	24	1.11	170	0.179	1	2.08	0.031	0.36	0.1	<0.01	3.3	0.2	<0.05	9	<0.5	<0.2
22300 88700	Soil	11	35	0.67	183	0.104	2	1.58	0.021	0.17	<0.1	0.01	4.4	0.1	<0.05	6	<0.5	<0.2
22300 88750	Soil	14	11	1.93	331	0.241	2	2.61	0.015	1.13	<0.1	<0.01	13.0	0.4	<0.05	13	<0.5	<0.2
22300 88800	Soil	22	48	0.84	487	0.055	2	2.16	0.010	0.15	<0.1	0.01	7.3	0.1	<0.05	7	0.5	<0.2
22300 88850	Soil	8	22	0.68	176	0.080	1	1.30	0.019	0.31	<0.1	0.02	3.7	0.4	<0.05	4	0.5	<0.2
22300 89100	Soil	9	18	1.38	305	0.138	1	1.90	0.020	0.15	<0.1	<0.01	4.7	0.2	<0.05	7	<0.5	<0.2
22300 89150	Soil	10	20	0.96	305	0.119	2	1.65	0.014	0.27	<0.1	0.01	3.7	0.1	<0.05	6	<0.5	<0.2
22300 89250	Soil	5	20	0.93	179	0.192	<1	1.77	0.009	0.75	<0.1	<0.01	3.0	0.3	<0.05	5	<0.5	<0.2
22300 89300	Soil	3	9	0.98	245	0.215	2	1.75	0.015	0.68	0.1	<0.01	2.4	0.2	<0.05	6	<0.5	<0.2
22300 89350	Soil	5	18	0.76	202	0.190	2	1.59	0.009	0.55	0.1	0.01	2.4	0.2	<0.05	4	<0.5	<0.2
22300 89400	Soil	4	13	1.38	312	0.313	1	2.43	0.010	0.84	0.1	<0.01	2.3	0.4	<0.05	7	<0.5	<0.2
22300 89450	Soil	8	10	1.49	305	0.224	2	2.64	0.018	0.74	<0.1	0.01	5.9	0.3	<0.05	6	<0.5	<0.2
22300 89500	Soil	9	18	1.65	287	0.162	2	2.21	0.017	0.60	<0.1	0.02	6.4	0.2	<0.05	7	<0.5	<0.2
22300 89550	Soil	2	13	1.18	262	0.262	<1	2.36	0.023	0.70	<0.1	<0.01	3.3	0.4	<0.05	7	<0.5	0.3
22300 89600	Soil	4	21	1.51	253	0.198	2	2.17	0.011	0.51	<0.1	0.01	1.8	0.2	<0.05	6	<0.5	<0.2
22300 90000	Soil	7	16	1.51	484	0.230	<1	2.34	0.017	0.93	<0.1	<0.01	6.9	0.2	<0.05	9	<0.5	<0.2
22300 90050	Soil	3	11	1.84	436	0.296	1	2.89	0.022	1.16	<0.1	<0.01	4.4	0.3	<0.05	9	<0.5	<0.2
22300 90100	Soil	12	29	2.24	312	0.171	<1	2.57	0.016	0.69	<0.1	0.01	14.5	0.2	<0.05	12	<0.5	0.2
22300 90300	Soil	18	27	0.56	151	0.062	1	1.43	0.011	0.15	<0.1	<0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
22300 90400	Soil	14	36	1.07	235	0.108	1	1.97	0.014	0.13	<0.1	0.02	6.6	<0.1	<0.05	7	<0.5	<0.2
22300 90550	Soil	18	18	1.25	223	0.125	1	2.59	0.018	0.17	<0.1	0.01	4.6	<0.1	<0.05	10	<0.5	<0.2
22300 90600	Soil	11	16	0.93	227	0.162	1	1.85	0.017	0.43	<0.1	<0.01	3.3	<0.1	<0.05	8	<0.5	<0.2
22300 90650	Soil	7	14	1.10	186	0.145	2	2.35	0.022	0.14	<0.1	<0.01	4.2	<0.1	<0.05	12	<0.5	<0.2
22300 90700	Soil	11	23	1.06	181	0.143	1	2.31	0.027	0.21	<0.1	<0.01	3.1	0.1	<0.05	9	<0.5	<0.2
22300 90750	Soil	18	17	0.38	778	0.022	2	1.31	0.011	0.12	<0.1	0.04	4.4	<0.1	<0.05	4	<0.5	<0.2
22300 90800	Soil	11	19	0.72	275	0.106	<1	1.85	0.018	0.21	<0.1	0.01	3.2	<0.1	<0.05	8	<0.5	0.3
22100 88650	Soil	11	40	2.02	432	0.327	<1	2.89	0.012	1.41	<0.1	<0.01	2.5	0.5	<0.05	9	<0.5	<0.2
22100 88700	Soil	12	31	2.21	254	0.286	<1	2.85	0.012	1.00	<0.1	<0.01	3.7	0.4	<0.05	9	<0.5	<0.2
22100 88750	Soil	11	33	1.40	302	0.147	1	1.84	0.022	0.35	<0.1	<0.01	4.1	0.1	<0.05	6	<0.5	<0.2
22100 88800	Soil	17	11	1.24	215	0.228	<1	2.45	0.010	1.05	0.1	<0.01	4.7	0.5	<0.05	10	<0.5	<0.2



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Project: Mariposa
Report Date: October 12, 2010

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
22100 89050	Soil	1.7	19.3	7.9	79	<0.1	14.7	11.8	528	3.90	6.9	1.0	2.3	5.6	22	<0.1	0.3	<0.1	71	0.40
22100 89250	Soil	3.0	33.7	13.4	106	<0.1	10.0	12.4	382	4.11	20.8	1.9	2.0	9.6	15	<0.1	0.3	0.2	37	0.27
22100 89300	Soil	0.5	17.6	5.6	98	<0.1	10.7	12.0	454	3.48	1.7	0.3	<0.5	1.7	16	<0.1	<0.1	<0.1	58	0.39
22100 89350	Soil	1.3	26.2	5.1	71	<0.1	19.4	9.8	291	2.89	8.4	0.6	0.8	4.8	15	<0.1	0.3	<0.1	52	0.25
22100 89450	Soil	1.2	19.6	6.6	75	<0.1	16.1	11.5	404	3.19	3.9	0.8	1.2	3.6	18	<0.1	0.2	<0.1	54	0.26
22100 89500	Soil	1.2	14.5	8.1	42	<0.1	11.8	6.1	244	2.57	5.0	0.9	0.9	5.1	13	<0.1	0.6	0.2	38	0.15
22100 90050	Soil	0.3	5.5	4.1	95	<0.1	11.4	14.6	583	2.86	2.8	0.3	<0.5	1.6	23	<0.1	0.1	<0.1	60	0.60
22100 90150	Soil	0.9	22.7	7.4	83	<0.1	14.6	11.1	368	3.16	3.1	0.7	1.4	2.4	19	<0.1	0.1	<0.1	72	0.45
22100 90250	Soil	1.1	16.4	8.2	71	<0.1	14.9	11.1	522	3.15	3.5	0.6	3.1	2.8	19	<0.1	0.2	0.1	63	0.40
22100 90450	Soil	1.5	27.3	17.1	96	0.2	22.7	12.3	778	3.68	3.8	0.7	3.2	6.2	29	0.2	0.3	0.1	65	0.54
22100 90500	Soil	0.5	17.1	7.7	101	<0.1	15.5	13.7	931	4.24	3.8	0.9	4.9	8.8	57	0.1	0.2	<0.1	88	0.62
22100 90600	Soil	1.1	10.2	10.8	71	<0.1	15.2	10.5	433	3.33	7.1	0.4	<0.5	4.5	32	<0.1	0.4	<0.1	80	0.47
22100 90650	Soil	0.4	5.4	4.1	92	<0.1	6.7	11.3	699	3.53	2.2	0.6	1.7	5.8	23	<0.1	0.1	<0.1	81	0.68
22100 90700	Soil	1.0	11.6	10.9	71	<0.1	16.2	9.6	533	3.20	7.3	0.6	<0.5	4.1	25	0.1	0.5	0.1	69	0.32
22100 90750	Soil	0.4	8.8	5.2	81	<0.1	9.6	10.7	547	3.17	2.9	0.7	0.7	6.8	31	<0.1	0.2	<0.1	76	0.65
22100 90800	Soil	0.7	14.6	7.5	67	<0.1	13.7	9.6	441	2.74	4.8	0.7	1.1	4.4	27	<0.1	0.3	<0.1	63	0.50
22200 88650	Soil	1.3	25.2	10.4	69	0.1	22.2	12.3	689	3.02	5.2	1.0	3.7	3.7	35	0.1	0.3	0.2	61	0.55
22200 88700	Soil	0.6	16.5	14.8	87	<0.1	20.0	9.0	667	3.90	3.9	0.7	<0.5	6.0	19	<0.1	0.2	0.1	41	0.33
22200 88750	Soil	0.8	44.0	10.5	57	0.1	124.3	23.1	627	3.60	7.3	1.2	3.2	12.0	208	<0.1	0.5	0.2	93	2.72
22200 88800	Soil	0.8	12.0	8.8	87	<0.1	14.5	12.1	507	4.41	13.5	0.8	0.5	4.2	21	0.2	0.7	<0.1	75	0.27
22200 88850	Soil	1.4	23.1	12.2	63	<0.1	27.1	10.8	560	3.12	10.9	0.7	2.8	4.4	25	0.1	0.7	0.1	68	0.28
22200 88900	Soil	1.2	17.8	8.0	89	<0.1	22.5	17.2	577	4.48	7.2	0.6	1.0	3.5	12	0.1	0.6	0.1	117	0.16
22200 88950	Soil	1.3	15.4	7.6	97	<0.1	14.1	14.5	473	3.65	4.4	0.4	1.7	2.8	13	<0.1	0.2	<0.1	90	0.22
22200 89000	Soil	2.1	23.6	9.1	80	<0.1	21.5	18.6	605	3.73	4.8	0.8	1.8	3.7	26	<0.1	0.3	0.1	78	0.53
22200 89200	Soil	1.0	26.8	6.4	65	0.1	14.6	11.3	426	2.81	4.5	0.9	5.9	2.4	34	<0.1	0.2	<0.1	52	0.43
22200 89250	Soil	1.4	23.6	6.4	93	<0.1	13.6	12.9	575	3.80	3.1	0.8	2.0	2.8	13	<0.1	0.2	<0.1	48	0.30
22200 89300	Soil	0.5	36.0	4.1	57	<0.1	11.6	17.9	463	3.59	1.9	0.2	<0.5	0.8	18	<0.1	0.1	<0.1	100	0.34
22200 89350	Soil	1.2	19.0	9.4	116	<0.1	14.5	14.9	570	3.71	4.6	0.4	0.7	1.7	24	0.1	0.2	<0.1	79	0.40
22200 89400	Soil	1.1	21.2	6.8	64	0.1	13.4	10.7	487	3.02	4.8	0.7	34.1	3.6	18	<0.1	0.2	<0.1	51	0.49
22200 89450	Soil	0.4	37.7	3.5	61	<0.1	46.4	18.2	216	4.16	2.2	0.2	<0.5	1.4	13	<0.1	0.1	<0.1	78	0.22



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22100 89050	Soil	16	22	1.08	332	0.196	2	1.94	0.017	0.64	<0.1	0.03	7.1	0.3	<0.05	8	<0.5	<0.2
22100 89250	Soil	23	15	0.79	306	0.048	<1	1.86	0.009	0.31	<0.1	<0.01	6.0	0.2	<0.05	6	<0.5	0.3
22100 89300	Soil	5	26	1.15	250	0.207	1	1.99	0.008	0.70	<0.1	<0.01	3.4	0.3	<0.05	7	<0.5	<0.2
22100 89350	Soil	7	41	1.41	165	0.188	<1	2.03	0.012	0.48	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2
22100 89450	Soil	11	35	0.95	296	0.163	1	1.80	0.012	0.48	<0.1	<0.01	3.1	0.2	<0.05	6	<0.5	<0.2
22100 89500	Soil	8	17	0.51	178	0.084	2	1.32	0.007	0.24	0.2	<0.01	2.5	0.1	<0.05	4	<0.5	<0.2
22100 90050	Soil	4	16	2.02	281	0.242	1	2.38	0.012	0.64	<0.1	<0.01	4.9	0.2	<0.05	8	<0.5	<0.2
22100 90150	Soil	10	26	1.00	287	0.185	<1	1.77	0.016	0.50	<0.1	0.01	4.2	0.2	<0.05	6	<0.5	<0.2
22100 90250	Soil	13	27	0.87	192	0.119	1	1.71	0.014	0.17	<0.1	0.01	5.6	<0.1	<0.05	6	<0.5	<0.2
22100 90450	Soil	20	29	0.85	585	0.040	2	1.72	0.017	0.12	<0.1	0.02	7.1	<0.1	<0.05	6	<0.5	<0.2
22100 90500	Soil	24	21	1.30	513	0.043	2	2.16	0.014	0.08	<0.1	0.01	8.4	<0.1	<0.05	10	<0.5	<0.2
22100 90600	Soil	7	25	0.88	206	0.113	2	2.03	0.017	0.34	<0.1	0.01	3.7	0.1	<0.05	7	<0.5	<0.2
22100 90650	Soil	10	11	1.20	193	0.136	1	1.94	0.020	0.95	<0.1	<0.01	3.5	0.3	<0.05	8	<0.5	<0.2
22100 90700	Soil	9	27	0.74	270	0.081	3	1.72	0.011	0.20	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
22100 90750	Soil	14	15	0.93	290	0.086	1	1.65	0.019	0.24	<0.1	0.01	4.0	<0.1	<0.05	7	<0.5	<0.2
22100 90800	Soil	15	24	0.69	199	0.084	2	1.57	0.016	0.11	0.1	0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
22200 88650	Soil	16	33	0.74	349	0.096	2	1.52	0.015	0.22	0.1	0.03	5.3	<0.1	<0.05	6	<0.5	<0.2
22200 88700	Soil	14	37	0.98	357	0.234	1	1.88	0.013	0.75	<0.1	0.01	8.8	0.2	<0.05	10	<0.5	<0.2
22200 88750	Soil	59	186	2.67	1712	0.309	2	2.09	0.034	0.57	<0.1	0.04	5.4	0.4	<0.05	7	<0.5	<0.2
22200 88800	Soil	8	27	1.27	342	0.190	2	2.43	0.026	0.88	<0.1	0.02	7.5	0.3	<0.05	9	<0.5	<0.2
22200 88850	Soil	17	41	0.77	317	0.135	3	1.78	0.016	0.19	0.1	0.02	5.8	<0.1	<0.05	6	<0.5	<0.2
22200 88900	Soil	10	33	1.38	231	0.173	2	2.44	0.011	0.52	0.1	<0.01	9.3	0.2	<0.05	9	<0.5	<0.2
22200 88950	Soil	9	23	1.23	202	0.147	2	1.94	0.013	0.40	<0.1	0.02	8.3	0.2	<0.05	8	<0.5	<0.2
22200 89000	Soil	14	30	0.84	276	0.122	2	1.68	0.013	0.27	0.2	0.02	8.0	0.1	<0.05	6	<0.5	<0.2
22200 89200	Soil	10	27	0.83	225	0.171	1	1.67	0.011	0.61	<0.1	0.02	2.8	0.2	<0.05	5	<0.5	<0.2
22200 89250	Soil	7	20	0.98	215	0.220	1	1.98	0.011	0.77	0.1	0.02	3.3	0.3	<0.05	6	<0.5	<0.2
22200 89300	Soil	2	17	1.28	150	0.276	1	2.18	0.017	0.71	0.1	<0.01	2.6	0.2	<0.05	5	<0.5	<0.2
22200 89350	Soil	4	25	1.04	257	0.213	3	1.99	0.013	0.62	0.1	<0.01	2.2	0.2	<0.05	8	<0.5	<0.2
22200 89400	Soil	11	19	0.88	313	0.144	1	1.67	0.016	0.39	0.1	0.03	3.5	0.2	<0.05	5	<0.5	<0.2
22200 89450	Soil	3	115	1.81	236	0.356	<1	2.50	0.016	1.25	0.1	<0.01	1.9	0.3	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
22200 89500	Soil	0.5	32.5	3.0	63	<0.1	20.4	24.0	524	3.65	2.3	0.1	2.5	0.9	9	<0.1	0.1	<0.1	82	0.15
22200 89550	Soil	1.0	19.3	7.5	66	<0.1	14.4	12.1	409	2.97	4.8	0.3	3.0	1.6	16	<0.1	0.2	<0.1	63	0.29
22200 89600	Soil	1.1	25.8	5.8	56	<0.1	14.3	12.6	394	2.90	5.8	0.6	4.2	1.7	16	<0.1	0.2	<0.1	66	0.32
22200 89700	Soil	0.7	16.5	4.7	76	<0.1	9.3	10.9	388	2.79	3.1	0.2	1.3	0.9	16	<0.1	<0.1	<0.1	59	0.36
22200 89750	Soil	0.9	29.6	5.9	67	<0.1	10.1	11.4	314	3.49	3.0	0.4	1.8	1.5	15	<0.1	0.2	<0.1	79	0.43
22200 89800	Soil	0.7	22.2	7.3	73	<0.1	12.6	8.5	266	2.55	2.6	0.4	1.2	1.6	20	<0.1	0.1	<0.1	59	0.27
22200 89850	Soil	0.6	25.8	7.0	102	<0.1	15.0	9.7	386	2.75	2.7	0.3	0.9	1.7	22	<0.1	0.2	<0.1	68	0.29
22200 89950	Soil	1.2	16.5	7.5	56	0.1	14.0	7.4	225	2.15	2.7	0.7	7.4	1.2	12	<0.1	0.1	0.1	53	0.21
22200 90000	Soil	1.5	15.9	11.2	79	<0.1	10.5	8.8	367	2.88	2.6	0.6	2.4	2.2	21	0.1	0.2	0.1	48	0.34
22200 90050	Soil	0.7	31.0	9.8	68	<0.1	142.0	20.7	390	3.27	2.6	0.6	3.1	6.2	119	<0.1	0.1	<0.1	73	0.79
22200 90150	Soil	1.4	16.6	8.2	70	<0.1	15.8	10.5	336	3.05	3.6	0.5	2.1	3.2	15	<0.1	0.2	0.1	67	0.27
22200 90200	Soil	2.0	18.7	9.9	77	<0.1	20.2	13.3	533	3.37	4.6	0.5	1.1	2.7	15	0.1	0.2	0.1	77	0.24
22200 90250	Soil	1.0	27.6	13.7	80	<0.1	18.2	12.0	411	3.04	4.0	0.9	5.4	3.5	17	<0.1	0.2	0.1	66	0.30
22200 90400	Soil	1.4	28.0	39.9	149	0.3	21.0	10.3	503	3.10	4.9	1.0	4.8	4.5	22	0.3	0.3	0.1	63	0.34
22200 90450	Soil	0.9	24.5	26.9	102	0.1	15.1	10.6	472	2.93	4.1	0.7	3.3	3.7	19	0.2	0.2	0.2	67	0.27
22200 90500	Soil	1.0	12.4	15.0	92	<0.1	21.1	11.3	619	2.94	3.1	0.5	1.6	3.5	26	0.2	0.3	<0.1	59	0.44
22200 90550	Soil	1.1	10.0	11.7	84	<0.1	14.0	9.4	698	3.24	4.7	0.5	1.6	3.0	28	<0.1	0.3	<0.1	63	0.37
22200 90600	Soil	0.6	7.1	8.4	79	<0.1	10.7	9.3	791	3.30	5.1	0.5	0.7	5.0	28	<0.1	0.3	<0.1	60	0.31
22200 90650	Soil	0.7	7.9	11.7	108	<0.1	12.6	10.7	1063	4.19	6.3	0.6	2.6	4.3	30	<0.1	0.3	<0.1	74	0.45
22200 90700	Soil	0.5	8.5	6.0	106	<0.1	10.0	11.3	861	3.76	2.8	0.6	<0.5	3.3	39	<0.1	0.1	<0.1	86	0.72
22200 90750	Soil	1.2	12.1	10.5	88	<0.1	18.0	10.5	653	3.29	5.4	0.5	2.5	3.0	34	<0.1	0.3	0.1	74	0.55
22200 90800	Soil	2.1	12.0	13.0	71	<0.1	25.0	9.9	483	3.42	7.7	0.6	0.5	3.5	31	<0.1	0.3	0.1	75	0.36
28300 88000	Soil	1.1	20.7	10.1	77	0.1	16.0	10.7	344	3.01	6.1	0.6	14.3	3.4	21	<0.1	0.3	0.2	63	0.37
28400 88000	Soil	1.3	20.9	10.5	72	0.1	14.9	13.2	508	3.34	5.2	0.6	7.5	2.8	19	0.2	0.2	0.2	67	0.31
28400 88050	Soil	1.4	25.2	12.3	65	0.2	15.6	9.1	329	2.89	5.1	0.8	8.1	2.0	22	0.2	0.2	0.2	62	0.29



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22200 89500	Soil	2	26	1.77	233	0.334	<1	2.56	0.011	1.22	0.1	<0.01	0.8	0.4	<0.05	3	<0.5	<0.2
22200 89550	Soil	5	25	0.97	270	0.183	1	1.75	0.009	0.46	0.1	<0.01	1.7	0.3	<0.05	4	<0.5	<0.2
22200 89600	Soil	6	26	0.85	258	0.163	<1	1.62	0.011	0.36	0.1	0.01	2.4	0.2	<0.05	5	<0.5	<0.2
22200 89700	Soil	3	13	1.05	246	0.168	2	1.92	0.009	0.60	0.1	0.01	1.5	0.3	<0.05	6	<0.5	<0.2
22200 89750	Soil	7	18	0.95	214	0.192	<1	1.95	0.020	0.38	<0.1	<0.01	3.4	0.2	<0.05	7	<0.5	<0.2
22200 89800	Soil	6	21	0.96	243	0.185	1	1.85	0.013	0.30	<0.1	0.01	2.0	0.1	<0.05	8	<0.5	<0.2
22200 89850	Soil	6	25	0.98	170	0.167	<1	1.92	0.014	0.33	<0.1	0.01	1.7	0.1	<0.05	7	<0.5	<0.2
22200 89950	Soil	9	28	0.64	127	0.112	1	1.34	0.015	0.10	<0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
22200 90000	Soil	11	20	0.69	291	0.088	<1	1.48	0.013	0.29	0.1	<0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
22200 90050	Soil	35	109	2.47	673	0.269	2	2.39	0.032	0.56	<0.1	<0.01	2.7	0.2	<0.05	7	<0.5	<0.2
22200 90150	Soil	13	27	0.89	193	0.161	1	1.71	0.014	0.33	0.1	0.01	4.6	0.1	<0.05	6	<0.5	<0.2
22200 90200	Soil	11	32	0.96	188	0.133	2	1.86	0.015	0.21	0.1	0.02	5.4	<0.1	<0.05	8	<0.5	<0.2
22200 90250	Soil	14	33	1.01	198	0.111	2	1.74	0.015	0.14	<0.1	0.01	6.3	<0.1	<0.05	7	<0.5	<0.2
22200 90400	Soil	19	35	0.80	217	0.070	<1	1.74	0.015	0.07	0.1	0.03	6.7	<0.1	<0.05	6	<0.5	<0.2
22200 90450	Soil	16	30	0.77	176	0.067	<1	1.66	0.014	0.07	<0.1	<0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
22200 90500	Soil	13	33	0.79	300	0.089	2	1.62	0.015	0.14	<0.1	<0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
22200 90550	Soil	8	24	0.77	187	0.077	3	1.80	0.013	0.25	<0.1	<0.01	3.2	<0.1	<0.05	8	<0.5	<0.2
22200 90600	Soil	13	18	0.85	151	0.063	2	1.76	0.011	0.16	<0.1	<0.01	4.9	<0.1	<0.05	8	<0.5	<0.2
22200 90650	Soil	14	18	1.11	167	0.045	3	2.28	0.012	0.12	<0.1	0.01	4.5	<0.1	<0.05	10	<0.5	<0.2
22200 90700	Soil	16	14	1.22	319	0.181	3	2.21	0.018	0.61	<0.1	0.01	3.6	0.2	<0.05	9	0.5	<0.2
22200 90750	Soil	10	29	0.90	211	0.157	2	2.05	0.020	0.27	<0.1	0.01	3.2	0.1	<0.05	8	<0.5	<0.2
22200 90800	Soil	10	41	0.70	215	0.100	4	2.15	0.015	0.09	0.1	0.01	3.0	<0.1	<0.05	8	<0.5	<0.2
28300 88000	Soil	11	25	0.72	178	0.131	1	1.65	0.018	0.13	<0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
28400 88000	Soil	10	28	0.81	157	0.127	2	1.90	0.015	0.22	0.1	0.02	3.7	0.2	<0.05	6	0.5	<0.2
28400 88050	Soil	12	28	0.66	161	0.103	3	1.66	0.017	0.10	0.1	0.03	3.9	0.1	<0.05	7	0.7	<0.2



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Project: Mariposa
Report Date: October 12, 2010

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
22500 90050	Soil	0.5	35.9	59.2	240	<0.1	15.2	17.4	866	4.12	3.6	0.4	<0.5	2.2	16	0.6	0.2	<0.1	118	0.47	0.134
REP 22500 90050	QC	0.5	34.6	61.0	236	<0.1	15.4	16.6	842	3.92	3.6	0.5	<0.5	2.2	16	0.6	0.2	<0.1	118	0.50	0.130
22400 90250	Soil	0.6	39.2	10.8	111	<0.1	16.8	18.6	703	3.76	2.8	0.4	1.4	2.2	12	0.3	0.1	<0.1	111	0.44	0.125
REP 22400 90250	QC	0.5	37.3	10.3	110	<0.1	15.2	16.7	668	3.40	2.3	0.4	1.1	1.9	12	0.2	0.1	<0.1	105	0.41	0.115
22300 90600	Soil	0.4	6.5	5.8	85	<0.1	9.8	10.4	678	3.14	4.1	0.7	3.5	3.5	37	<0.1	0.2	<0.1	68	0.57	0.148
REP 22300 90600	QC	0.5	6.4	5.5	84	<0.1	8.6	10.0	658	3.10	4.1	0.7	<0.5	3.4	37	<0.1	0.2	<0.1	68	0.57	0.145
22100 90050	Soil	0.3	5.5	4.1	95	<0.1	11.4	14.6	583	2.86	2.8	0.3	<0.5	1.6	23	<0.1	0.1	<0.1	60	0.60	0.067
REP 22100 90050	QC	0.3	5.1	4.0	88	<0.1	11.0	13.4	535	2.68	2.7	0.2	<0.5	1.7	22	<0.1	0.2	<0.1	56	0.59	0.076
22200 89250	Soil	1.4	23.6	6.4	93	<0.1	13.6	12.9	575	3.80	3.1	0.8	2.0	2.8	13	<0.1	0.2	<0.1	48	0.30	0.061
REP 22200 89250	QC	1.3	23.7	6.5	92	<0.1	13.9	12.9	583	3.82	3.0	0.7	3.9	3.0	13	<0.1	0.2	<0.1	50	0.31	0.061
22200 89500	Soil	0.5	32.5	3.0	63	<0.1	20.4	24.0	524	3.65	2.3	0.1	2.5	0.9	9	<0.1	0.1	<0.1	82	0.15	0.019
REP 22200 89500	QC	0.5	34.5	3.0	64	<0.1	21.7	24.5	536	3.70	2.3	0.1	1.1	1.0	10	<0.1	0.1	<0.1	82	0.16	0.021
28400 88050	Soil	1.4	25.2	12.3	65	0.2	15.6	9.1	329	2.89	5.1	0.8	8.1	2.0	22	0.2	0.2	0.2	62	0.29	0.069
REP 28400 88050	QC	1.3	23.8	12.1	66	0.2	15.4	8.7	313	2.78	4.7	0.8	6.2	2.0	21	0.1	0.2	0.2	63	0.28	0.064
Reference Materials																					
STD DS7	Standard	22.4	113.5	66.8	390	1.0	55.9	10.0	603	2.30	48.0	4.6	71.5	4.4	73	5.8	6.0	4.5	90	0.97	0.075
STD DS7	Standard	20.4	106.3	75.4	380	0.9	53.7	9.1	586	2.25	47.3	5.1	66.8	5.1	73	5.9	5.8	4.7	82	0.88	0.068
STD DS7	Standard	19.4	106.3	71.2	377	0.9	52.0	8.4	582	2.22	47.4	5.1	72.4	4.9	72	5.6	5.4	4.7	79	0.87	0.073
STD DS7	Standard	15.6	96.7	59.8	351	0.8	47.0	8.2	562	2.03	44.9	4.0	65.7	3.5	53	5.7	4.9	4.0	73	0.80	0.074
STD DS7	Standard	20.4	116.8	79.9	412	1.2	56.7	9.4	614	2.38	52.9	5.2	69.0	5.1	80	6.8	6.0	5.2	84	1.00	0.074
STD DS7	Standard	21.4	109.4	70.6	399	1.0	53.8	9.1	637	2.39	52.0	5.0	65.7	5.2	80	6.2	5.8	4.8	83	0.95	0.078
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
22500 90050	Soil	8	28	1.41	496	0.274	2	2.25	0.024	1.00	<0.1	<0.01	6.3	0.4	<0.05	9	<0.5	<0.2
REP 22500 90050	QC	9	29	1.39	481	0.280	2	2.27	0.024	1.02	0.1	<0.01	6.3	0.4	<0.05	9	0.5	<0.2
22400 90250	Soil	11	33	1.30	362	0.225	1	2.24	0.028	0.64	<0.1	<0.01	5.6	0.2	<0.05	9	<0.5	<0.2
REP 22400 90250	QC	11	32	1.15	337	0.210	1	1.98	0.024	0.60	<0.1	<0.01	5.3	0.2	<0.05	8	0.8	<0.2
22300 90600	Soil	11	16	0.93	227	0.162	1	1.85	0.017	0.43	<0.1	<0.01	3.3	<0.1	<0.05	8	<0.5	<0.2
REP 22300 90600	QC	11	16	0.89	221	0.161	2	1.86	0.019	0.41	<0.1	<0.01	3.5	<0.1	<0.05	7	<0.5	<0.2
22100 90050	Soil	4	16	2.02	281	0.242	1	2.38	0.012	0.64	<0.1	<0.01	4.9	0.2	<0.05	8	<0.5	<0.2
REP 22100 90050	QC	4	15	1.87	257	0.222	3	2.25	0.012	0.57	<0.1	<0.01	4.6	0.1	<0.05	8	<0.5	<0.2
22200 89250	Soil	7	20	0.98	215	0.220	1	1.98	0.011	0.77	0.1	0.02	3.3	0.3	<0.05	6	<0.5	<0.2
REP 22200 89250	QC	6	20	1.00	212	0.219	1	1.99	0.010	0.75	0.2	<0.01	3.4	0.3	<0.05	6	<0.5	<0.2
22200 89500	Soil	2	26	1.77	233	0.334	<1	2.56	0.011	1.22	0.1	<0.01	0.8	0.4	<0.05	3	<0.5	<0.2
REP 22200 89500	QC	2	28	1.81	244	0.336	<1	2.65	0.011	1.29	0.2	<0.01	0.9	0.4	<0.05	4	<0.5	<0.2
28400 88050	Soil	12	28	0.66	161	0.103	3	1.66	0.017	0.10	0.1	0.03	3.9	0.1	<0.05	7	0.7	<0.2
REP 28400 88050	QC	12	28	0.64	165	0.107	2	1.56	0.016	0.10	0.1	0.03	3.7	0.1	<0.05	6	0.5	<0.2
Reference Materials																		
STD DS7	Standard	13	203	1.03	375	0.134	37	1.01	0.111	0.48	3.6	0.21	2.7	4.1	0.22	5	3.6	0.9
STD DS7	Standard	13	189	1.00	389	0.133	37	0.97	0.090	0.44	3.5	0.21	2.5	3.8	0.18	5	3.0	1.4
STD DS7	Standard	13	181	1.00	367	0.120	37	0.95	0.093	0.44	3.5	0.21	2.5	4.0	0.19	4	2.9	2.0
STD DS7	Standard	9	157	0.86	300	0.102	35	0.79	0.075	0.41	3.0	0.20	2.2	3.9	0.18	4	2.9	0.9
STD DS7	Standard	13	190	1.04	399	0.132	36	1.03	0.092	0.51	3.6	0.22	2.5	4.3	0.18	5	3.8	1.1
STD DS7	Standard	15	196	1.06	393	0.128	40	1.03	0.097	0.47	3.7	0.23	2.6	4.3	0.20	5	3.3	0.9
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: September 17, 2010

Report Date: October 19, 2010

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CERTIFICATE OF ANALYSIS

WHI10000475.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-14
P.O. Number: NA-10338
Number of Samples: 87

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
PICKUP-RJT Client to Pickup Rejects

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
John Brock

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	87	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	87	Dry at 60C			WHI
RJSV	87	Saving all or part of Soil Reject			WHI
1DX2	87	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
Report Date: October 19, 2010

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CERTIFICATE OF ANALYSIS

WHI10000475.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
22150 90450	Soil	1.2	30.9	24.2	114	0.5	58.4	15.5	660	3.77	5.4	1.2	7.4	5.6	54	0.4	0.3	0.2	64	0.72
22150 90500	Soil	0.9	17.5	16.4	106	0.3	25.1	12.4	934	4.68	2.9	0.8	25.8	7.0	47	0.1	0.3	<0.1	85	0.85
22150 90650	Soil	0.5	12.1	6.4	101	<0.1	6.1	10.8	768	4.03	2.9	0.4	<0.5	2.8	38	<0.1	0.2	<0.1	75	0.77
22150 90700	Soil	0.6	6.9	5.6	92	<0.1	10.7	11.3	741	3.55	4.0	0.5	1.0	3.8	27	<0.1	0.3	<0.1	75	0.61
26000 84550	Soil	0.7	18.9	11.6	71	<0.1	14.7	11.5	897	3.09	4.6	0.6	4.5	6.0	30	0.1	0.2	0.1	47	0.53
26000 84600	Soil	0.9	15.1	11.6	78	<0.1	14.1	12.3	907	3.34	6.3	0.7	1.7	8.1	37	0.1	0.3	0.1	50	0.61
26000 84650	Soil	0.7	17.6	9.0	98	<0.1	12.9	15.7	922	4.76	6.2	1.5	1.4	8.8	33	<0.1	0.2	<0.1	65	0.37
26000 84700	Soil	0.8	12.7	9.2	85	<0.1	14.8	12.6	749	3.82	5.5	0.6	2.1	7.7	30	<0.1	0.3	<0.1	62	0.38
26000 84750	Soil	1.2	10.0	11.6	68	<0.1	12.2	11.2	929	3.07	4.2	0.7	2.6	12.7	33	0.1	0.3	0.1	44	0.38
26000 84800	Soil	0.7	21.1	9.6	94	<0.1	20.1	11.0	482	2.99	6.9	1.1	10.1	8.3	32	0.1	0.4	0.2	56	0.36
26000 84850	Soil	0.7	16.7	8.4	75	<0.1	19.2	11.5	490	3.05	5.7	0.8	2.5	7.2	22	0.1	0.3	<0.1	55	0.28
26000 85050	Soil	0.7	13.5	12.4	90	<0.1	12.0	10.6	578	3.18	4.3	1.2	2.4	9.7	25	0.2	0.3	0.2	53	0.39
26000 85150	Soil	0.8	9.5	8.3	90	<0.1	10.5	15.1	877	4.34	3.7	0.7	2.0	12.9	23	<0.1	0.2	<0.1	77	0.29
26000 85200	Soil	0.9	9.0	12.0	73	<0.1	11.9	12.1	652	3.36	4.5	0.9	1.3	13.0	29	0.2	0.4	<0.1	46	0.28
26000 85250	Soil	0.8	31.3	15.9	86	<0.1	55.2	19.2	678	3.59	5.3	0.6	<0.5	9.8	38	0.1	0.2	<0.1	66	0.49
26000 85300	Soil	0.6	8.4	14.2	86	<0.1	12.5	12.7	660	3.54	4.9	0.8	0.6	13.4	33	<0.1	0.3	<0.1	54	0.25
26000 85350	Soil	0.7	6.0	11.1	57	<0.1	6.4	7.2	429	2.47	3.5	0.9	0.9	11.9	22	<0.1	0.3	<0.1	32	0.24
26000 85400	Soil	1.0	13.9	13.6	80	<0.1	14.3	8.2	885	2.76	5.4	1.3	1.1	23.7	59	<0.1	0.4	<0.1	42	0.90
26000 85450	Soil	0.6	14.1	7.8	77	<0.1	12.2	15.7	671	4.14	4.0	0.8	0.9	7.7	21	<0.1	0.3	<0.1	65	0.20
26000 85650	Soil	1.3	9.8	19.2	56	<0.1	12.0	8.8	743	2.34	4.1	1.3	3.7	17.7	19	0.4	0.3	0.2	31	0.18
26000 85700	Soil	1.1	19.3	12.7	63	<0.1	21.2	9.2	386	2.58	7.3	1.2	117.5	10.9	29	<0.1	0.4	0.1	51	0.31
26000 85900	Soil	1.6	13.8	15.0	76	<0.1	18.1	8.1	411	2.83	5.3	1.4	15.0	9.2	29	0.2	0.3	0.2	49	0.55
26000 86000	Soil	2.0	18.9	9.6	82	0.1	13.4	11.7	696	3.23	4.3	1.7	93.6	7.5	38	0.2	0.3	0.1	49	0.87
26100 88650	Soil	0.8	18.2	4.6	89	<0.1	14.8	9.5	655	3.63	2.5	0.9	0.5	7.1	21	<0.1	0.2	<0.1	51	0.28
26100 88950	Soil	0.9	23.1	13.5	84	<0.1	21.8	9.3	354	2.67	6.7	1.0	4.3	4.2	36	<0.1	0.4	0.1	57	0.33
26200 84400	Soil	0.7	14.1	16.6	112	<0.1	11.9	14.6	827	4.46	4.1	0.9	1.3	12.0	38	<0.1	0.3	<0.1	64	0.46
26200 84450	Soil	0.8	12.5	21.2	93	<0.1	14.2	11.1	777	3.78	4.0	2.0	4.4	18.8	25	<0.1	0.3	0.2	38	0.30
26200 84500	Soil	1.2	14.5	12.2	85	<0.1	20.4	11.7	602	3.61	5.6	1.0	1.9	11.5	31	0.1	0.4	0.1	57	0.36
26200 84550	Soil	0.6	18.7	23.5	67	<0.1	15.1	9.7	774	2.84	2.7	0.8	3.3	12.5	38	<0.1	0.3	0.1	28	0.68
26200 84600	Soil	0.8	18.7	11.8	70	<0.1	22.9	11.5	615	3.22	6.8	0.9	2.3	10.5	35	0.1	0.5	0.1	55	0.54



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Project: Mariposa
Report Date: October 19, 2010

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CERTIFICATE OF ANALYSIS

WHI10000475.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
22150 90450	Soil	31	57	0.99	942	0.053	2	1.76	0.016	0.09	0.1	0.04	9.0	<0.1	<0.05	6	0.7	<0.2
22150 90500	Soil	25	37	1.03	499	0.023	2	2.10	0.017	0.14	<0.1	0.03	10.7	<0.1	<0.05	9	<0.5	0.3
22150 90650	Soil	10	10	1.11	167	0.133	1	1.96	0.015	0.30	<0.1	<0.01	3.2	<0.1	<0.05	9	<0.5	<0.2
22150 90700	Soil	16	16	1.11	239	0.147	1	2.07	0.020	0.47	<0.1	<0.01	4.0	0.2	<0.05	8	<0.5	<0.2
26000 84550	Soil	15	20	0.80	342	0.069	1	1.57	0.012	0.33	<0.1	<0.01	3.2	0.1	<0.05	5	<0.5	<0.2
26000 84600	Soil	13	20	0.85	321	0.076	3	1.73	0.010	0.43	<0.1	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
26000 84650	Soil	23	15	1.34	300	0.203	1	2.54	0.011	0.93	<0.1	<0.01	3.7	0.3	<0.05	9	0.6	<0.2
26000 84700	Soil	14	23	0.96	331	0.187	2	2.30	0.012	0.65	0.1	0.01	3.5	0.3	<0.05	7	0.5	<0.2
26000 84750	Soil	10	20	0.64	306	0.036	1	1.88	0.011	0.22	<0.1	<0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
26000 84800	Soil	17	28	0.88	231	0.100	2	1.85	0.016	0.18	0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
26000 84850	Soil	16	24	0.80	258	0.136	2	2.15	0.014	0.35	0.1	<0.01	2.8	0.2	<0.05	6	<0.5	<0.2
26000 85050	Soil	32	20	0.72	247	0.132	<1	1.90	0.014	0.34	0.1	0.02	3.6	0.2	<0.05	7	0.7	<0.2
26000 85150	Soil	16	14	1.23	279	0.228	1	2.43	0.010	1.00	<0.1	<0.01	3.4	0.3	<0.05	9	<0.5	<0.2
26000 85200	Soil	15	19	0.78	232	0.055	1	1.88	0.007	0.25	<0.1	0.01	2.5	0.1	<0.05	6	<0.5	<0.2
26000 85250	Soil	12	88	1.49	198	0.118	1	2.34	0.011	0.22	<0.1	0.01	3.4	0.2	<0.05	6	<0.5	<0.2
26000 85300	Soil	13	19	0.91	175	0.154	1	2.09	0.008	0.50	<0.1	<0.01	2.1	0.3	<0.05	7	<0.5	<0.2
26000 85350	Soil	20	13	0.47	130	0.043	1	1.57	0.008	0.19	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
26000 85400	Soil	45	24	0.56	265	0.080	2	1.64	0.011	0.25	<0.1	<0.01	3.3	0.1	<0.05	6	<0.5	<0.2
26000 85450	Soil	12	19	1.22	163	0.090	<1	2.34	0.009	0.34	0.1	<0.01	2.8	0.1	<0.05	7	<0.5	<0.2
26000 85650	Soil	26	20	0.33	197	0.026	<1	1.56	0.009	0.18	0.2	<0.01	2.3	0.1	<0.05	5	<0.5	0.2
26000 85700	Soil	37	32	0.52	278	0.085	2	1.65	0.014	0.14	0.1	0.03	4.5	0.1	<0.05	5	<0.5	<0.2
26000 85900	Soil	37	28	0.47	419	0.053	2	1.86	0.011	0.17	0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
26000 86000	Soil	33	22	0.61	522	0.059	2	1.57	0.012	0.21	0.3	0.03	5.1	0.1	<0.05	5	<0.5	<0.2
26100 88650	Soil	25	25	0.92	291	0.180	1	1.93	0.012	0.59	<0.1	<0.01	6.9	0.4	<0.05	8	<0.5	<0.2
26100 88950	Soil	18	35	0.71	390	0.094	2	1.85	0.017	0.09	0.2	0.02	5.0	<0.1	<0.05	7	0.6	<0.2
26200 84400	Soil	17	19	1.20	266	0.187	2	2.32	0.014	0.43	0.1	<0.01	3.7	0.2	<0.05	9	<0.5	<0.2
26200 84450	Soil	45	18	0.76	538	0.019	2	1.79	0.008	0.23	0.1	0.02	6.6	<0.1	<0.05	6	0.9	<0.2
26200 84500	Soil	22	30	0.86	330	0.099	1	1.97	0.015	0.30	<0.1	0.01	4.2	0.1	<0.05	7	<0.5	<0.2
26200 84550	Soil	35	14	0.71	681	0.015	2	1.47	0.021	0.18	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
26200 84600	Soil	29	32	0.74	358	0.084	2	1.64	0.021	0.24	0.1	0.02	5.5	0.1	<0.05	6	0.6	<0.2



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Project: Mariposa
Report Date: October 19, 2010

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
26200 88600	Soil	1.5	19.0	8.4	63	<0.1	19.9	8.9	345	3.15	10.0	0.7	1.7	5.0	14	<0.1	0.5	0.2	59	0.11	0.017
26200 88650	Soil	0.9	15.3	7.5	59	<0.1	16.3	8.3	371	2.81	5.2	0.9	1.7	5.7	17	<0.1	0.4	0.1	52	0.17	0.022
26200 88700	Soil	1.4	15.2	9.1	75	0.1	21.5	9.6	526	3.10	4.6	0.7	1.2	5.0	25	0.1	0.2	0.1	63	0.38	0.048
26200 88800	Soil	2.7	16.4	22.5	74	0.1	19.4	10.1	490	3.63	5.8	0.7	4.9	5.3	18	0.1	0.3	0.2	83	0.23	0.026
26200 88950	Soil	0.5	32.4	10.1	78	0.2	22.6	21.9	243	4.19	1.9	1.0	4.7	5.7	60	<0.1	0.1	<0.1	82	0.65	0.083
26200 89000	Soil	0.7	23.2	8.3	56	<0.1	25.5	12.1	266	2.86	5.7	0.6	6.3	3.8	25	<0.1	0.3	<0.1	65	0.27	0.013
27200 84850	Soil	1.6	16.0	7.6	59	<0.1	11.3	11.5	520	3.26	4.2	2.5	0.7	6.5	24	<0.1	0.3	0.2	60	0.31	0.021
27200 85000	Soil	0.7	19.2	5.2	64	<0.1	9.3	15.8	675	3.88	2.9	0.5	<0.5	6.7	20	<0.1	0.2	<0.1	72	0.25	0.030
27200 85050	Soil	1.2	41.8	7.2	70	<0.1	13.2	14.4	661	3.82	6.4	0.5	0.8	5.1	19	0.1	0.3	0.3	78	0.30	0.056
27200 85100	Soil	1.3	21.9	7.8	57	<0.1	18.4	11.0	376	2.77	13.5	0.8	4.8	5.5	20	0.1	0.6	0.1	71	0.31	0.057
27200 85150	Soil	2.2	49.1	7.7	81	<0.1	31.0	15.1	405	5.02	46.2	1.4	2.9	9.0	25	0.2	4.1	0.1	139	0.60	0.095
27200 85200	Soil	0.7	18.9	6.6	70	<0.1	12.2	10.6	407	3.42	4.9	0.8	2.2	6.4	22	0.1	0.3	<0.1	84	0.58	0.107
27200 85250	Soil	1.0	11.9	9.1	40	<0.1	13.7	7.0	277	2.04	4.5	1.0	2.3	9.7	13	<0.1	0.5	0.1	33	0.15	0.025
27200 85300	Soil	1.9	16.8	14.5	55	<0.1	18.6	7.8	293	3.02	8.4	0.9	29.4	9.9	13	0.1	0.6	0.2	48	0.14	0.028
27200 85350	Soil	1.9	21.9	15.6	53	<0.1	24.1	10.4	547	2.71	7.2	1.7	1.4	14.1	21	0.2	0.7	0.1	42	0.21	0.025
27200 85400	Soil	2.2	17.6	13.3	40	<0.1	15.4	6.6	228	2.75	6.7	2.1	<0.5	11.8	18	0.2	0.9	0.3	31	0.15	0.022
27400 84900	Soil	1.5	24.2	11.1	54	<0.1	21.7	9.3	352	2.73	12.0	1.0	3.5	4.7	24	<0.1	0.4	0.2	72	0.35	0.041
27400 84950	Soil	1.4	50.6	11.6	81	<0.1	13.6	15.7	715	3.68	4.8	0.5	0.9	6.6	27	0.2	0.2	0.2	76	0.35	0.058
27400 85000	Soil	2.5	54.9	10.2	83	<0.1	110.3	18.9	272	4.33	23.0	1.2	<0.5	6.3	21	0.1	0.4	0.2	167	0.47	0.129
27400 85050	Soil	2.3	39.7	49.4	124	0.1	15.7	19.9	715	5.76	16.2	0.7	48.4	2.1	25	0.4	0.6	0.2	175	0.65	0.137
27400 85100	Soil	1.3	51.7	6.6	61	<0.1	16.6	17.3	682	4.32	12.2	1.0	1.2	2.0	91	0.3	0.3	<0.1	135	0.69	0.063
27400 85150	Soil	1.1	13.1	8.9	90	<0.1	6.8	8.6	946	3.10	4.4	1.1	1.3	13.7	14	0.3	0.3	0.1	32	0.18	0.063
27400 85200	Soil	0.8	14.6	9.0	44	<0.1	15.0	7.0	232	2.57	6.5	1.1	2.4	11.0	16	<0.1	0.6	0.2	43	0.18	0.021
27400 85250	Soil	1.4	14.8	9.9	48	<0.1	21.7	12.8	293	2.99	10.5	0.8	3.7	7.3	14	0.1	0.6	0.2	61	0.14	0.051
27400 85300	Soil	0.8	20.4	8.7	47	<0.1	20.9	10.5	261	2.63	9.0	1.1	2.0	11.4	16	0.1	2.8	0.2	50	0.15	0.017
27400 85350	Soil	1.1	29.4	8.6	52	<0.1	24.1	9.2	486	2.70	7.7	0.8	1.6	13.7	23	<0.1	0.7	0.1	58	0.21	0.016
27400 85400	Soil	1.1	9.1	10.7	54	<0.1	14.6	7.4	453	2.58	5.0	1.2	1.2	9.6	11	0.2	1.3	0.2	34	0.14	0.050
MT2 24	Soil	10.7	72.2	13.9	99	<0.1	9.3	7.6	637	3.22	3.5	1.0	195.0	8.8	17	0.1	1.0	0.5	31	0.19	0.029
MT2 25	Soil	14.9	59.4	17.4	68	0.1	7.9	6.9	368	2.79	3.8	0.8	234.9	8.2	14	0.1	1.6	1.2	28	0.12	0.018
MT2 26	Soil	13.5	82.5	15.8	72	0.2	9.9	9.4	670	2.93	3.8	1.0	569.4	7.9	20	0.2	1.1	0.5	35	0.15	0.028



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
26200 88600	Soil	15	32	0.58	184	0.103	1	1.97	0.012	0.15	0.1	0.02	4.2	0.1	<0.05	6	<0.5	<0.2
26200 88650	Soil	21	30	0.65	201	0.114	2	1.67	0.010	0.15	0.1	0.01	4.8	0.1	<0.05	6	<0.5	<0.2
26200 88700	Soil	19	32	0.78	344	0.131	1	1.83	0.014	0.26	0.1	0.02	3.7	0.2	<0.05	7	<0.5	<0.2
26200 88800	Soil	16	32	0.91	220	0.164	<1	2.13	0.013	0.24	0.1	0.02	6.2	0.2	<0.05	8	<0.5	<0.2
26200 88950	Soil	15	38	1.42	479	0.175	<1	3.38	0.040	0.60	<0.1	<0.01	7.4	0.4	<0.05	10	<0.5	0.3
26200 89000	Soil	14	43	0.80	191	0.133	2	1.83	0.020	0.08	<0.1	0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
27200 84850	Soil	8	18	0.92	192	0.113	3	2.02	0.008	0.55	0.4	<0.01	2.1	0.2	<0.05	5	0.8	<0.2
27200 85000	Soil	20	18	1.35	206	0.194	2	2.33	0.006	0.97	0.3	<0.01	1.7	0.2	<0.05	5	0.8	<0.2
27200 85050	Soil	7	22	1.01	216	0.148	3	2.05	0.012	0.67	0.7	<0.01	2.3	0.2	<0.05	6	1.0	<0.2
27200 85100	Soil	11	31	0.64	301	0.063	2	1.56	0.011	0.08	0.2	0.01	4.0	<0.1	<0.05	5	0.7	<0.2
27200 85150	Soil	20	34	0.95	400	0.039	2	2.51	0.009	0.22	0.2	0.01	9.8	0.2	<0.05	8	1.2	<0.2
27200 85200	Soil	17	21	0.74	473	0.115	2	1.74	0.021	0.22	<0.1	0.02	6.1	<0.1	<0.05	5	0.7	<0.2
27200 85250	Soil	17	21	0.33	171	0.058	2	1.08	0.008	0.13	0.1	<0.01	2.4	0.1	<0.05	3	<0.5	<0.2
27200 85300	Soil	15	29	0.34	248	0.035	2	1.89	0.007	0.12	0.1	0.01	3.1	<0.1	<0.05	6	0.5	<0.2
27200 85350	Soil	23	38	0.40	251	0.066	2	1.82	0.009	0.16	0.1	0.02	3.9	0.1	<0.05	5	<0.5	<0.2
27200 85400	Soil	19	22	0.22	168	0.013	2	1.72	0.006	0.10	0.1	<0.01	2.4	0.1	<0.05	5	0.8	<0.2
27400 84900	Soil	15	37	0.66	268	0.086	2	1.53	0.020	0.09	0.1	0.02	5.0	<0.1	<0.05	5	0.7	<0.2
27400 84950	Soil	9	23	1.29	418	0.211	2	2.42	0.010	1.04	0.6	<0.01	2.1	0.2	<0.05	6	<0.5	<0.2
27400 85000	Soil	19	163	2.01	506	0.153	2	2.90	0.011	0.65	<0.1	<0.01	10.1	0.3	<0.05	10	0.8	<0.2
27400 85050	Soil	7	15	0.83	364	0.039	3	2.39	0.022	0.14	<0.1	<0.01	12.7	<0.1	<0.05	9	0.8	<0.2
27400 85100	Soil	6	17	0.69	475	0.109	3	2.14	0.054	0.13	<0.1	0.01	8.5	<0.1	<0.05	6	0.7	<0.2
27400 85150	Soil	16	15	0.36	178	0.061	2	1.61	0.008	0.36	<0.1	<0.01	2.5	0.2	<0.05	7	<0.5	<0.2
27400 85200	Soil	28	26	0.43	229	0.061	2	1.80	0.010	0.13	<0.1	0.01	4.0	0.1	<0.05	5	<0.5	<0.2
27400 85250	Soil	12	35	0.46	129	0.071	2	2.11	0.011	0.10	0.2	0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
27400 85300	Soil	20	31	0.48	205	0.060	2	2.27	0.008	0.09	0.1	0.03	4.1	0.1	<0.05	6	<0.5	<0.2
27400 85350	Soil	33	39	0.55	316	0.080	2	1.82	0.014	0.08	0.1	0.04	6.6	<0.1	<0.05	5	0.9	<0.2
27400 85400	Soil	18	22	0.34	186	0.016	2	1.48	0.007	0.08	<0.1	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
MT2 24	Soil	32	13	0.35	612	0.053	3	1.47	0.008	0.23	<0.1	0.01	4.9	0.2	<0.05	4	0.5	<0.2
MT2 25	Soil	19	12	0.24	257	0.037	2	1.38	0.009	0.15	0.2	0.01	2.8	0.2	<0.05	3	<0.5	<0.2
MT2 26	Soil	22	16	0.26	341	0.059	2	1.05	0.008	0.14	<0.1	0.02	3.4	0.1	<0.05	3	0.7	0.6



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
MT2 27	Soil	9.9	74.9	14.5	71	<0.1	17.3	9.1	539	3.05	6.2	1.3	204.6	8.5	25	0.1	1.0	0.5	43	0.23	0.030
MT2 28	Soil	6.9	42.0	12.6	58	0.1	15.2	7.0	477	2.46	5.9	0.8	120.5	5.4	24	0.2	0.8	0.4	47	0.26	0.026
MT2 29	Soil	7.9	52.6	12.5	59	<0.1	14.7	8.5	455	2.40	5.1	0.9	85.0	6.6	21	<0.1	0.9	0.3	39	0.23	0.017
MT2 30	Soil	4.8	36.8	11.8	51	0.2	17.1	7.1	283	2.83	7.7	0.7	57.1	4.9	19	<0.1	0.6	0.3	60	0.20	0.020
MT2 31	Soil	5.9	52.2	12.2	72	0.1	19.6	10.1	526	3.11	6.3	1.0	83.7	6.5	28	0.1	0.7	0.3	59	0.33	0.039
MT2 32	Soil	5.2	53.9	12.1	63	0.1	18.6	8.3	423	2.95	5.8	1.0	92.2	6.8	31	0.2	0.7	0.3	54	0.32	0.036
MT2 33	Soil	6.1	44.9	12.8	63	0.2	19.6	8.9	401	2.94	7.5	0.8	64.5	5.4	25	0.1	0.7	0.3	59	0.28	0.031
MT2 34	Soil	3.1	105.3	9.4	60	<0.1	10.2	6.7	335	3.21	3.9	0.7	18.9	7.3	31	<0.1	0.3	0.2	38	0.37	0.065
MT2 35	Soil	3.0	75.7	9.4	76	<0.1	5.5	6.7	526	3.05	1.7	0.7	13.2	7.1	37	<0.1	0.2	0.2	43	0.46	0.072
MT2 36	Soil	2.0	83.3	7.9	76	<0.1	6.2	7.5	475	3.36	1.9	0.7	16.4	5.7	37	<0.1	0.1	0.1	52	0.52	0.084
MT2 37	Soil	3.2	51.6	11.7	60	0.2	16.5	8.1	350	2.77	6.7	1.2	24.1	5.7	26	0.1	0.4	0.2	61	0.26	0.026
MT3 1	Soil	3.9	31.9	10.8	57	<0.1	22.3	9.6	390	3.04	6.9	1.1	7.6	6.1	30	0.1	0.5	0.2	57	0.32	0.029
MT3 2	Soil	4.1	34.6	15.8	80	<0.1	15.7	12.5	1220	3.82	4.0	1.1	43.9	7.9	21	0.2	0.6	0.4	31	0.19	0.038
MT3 3	Soil	2.9	62.7	13.2	90	<0.1	11.9	6.1	418	3.51	4.5	0.9	225.6	8.0	21	0.2	0.8	0.6	35	0.15	0.037
MT3 4	Soil	4.5	53.9	9.8	106	0.2	6.5	7.2	475	4.18	2.4	1.1	223.8	11.1	26	0.1	0.7	0.6	35	0.17	0.028
MT3 5	Soil	21.1	45.6	16.8	42	0.1	7.3	6.3	440	2.46	4.3	0.7	532.9	10.5	14	<0.1	1.2	0.4	19	0.08	0.021
MT3 6	Soil	18.8	40.9	15.0	44	0.1	11.9	6.8	315	2.70	4.9	1.4	193.8	8.4	21	0.1	0.7	0.4	26	0.16	0.025
MT3 7	Soil	4.6	28.3	10.2	41	0.2	11.3	6.9	393	2.30	3.7	0.7	216.1	6.2	17	<0.1	0.5	0.3	32	0.16	0.021
MT3 8	Soil	5.9	49.9	9.9	63	<0.1	14.1	11.4	679	3.67	5.8	1.2	113.9	8.0	26	0.1	0.6	0.3	43	0.24	0.040
MT3 9	Soil	5.3	45.7	10.5	60	<0.1	91.6	17.9	592	4.34	5.0	1.6	32.0	11.8	129	<0.1	0.5	0.2	67	0.85	0.195
MT3 10	Soil	11.3	35.7	14.8	58	<0.1	30.5	8.7	407	4.19	5.3	1.8	83.3	10.0	34	<0.1	0.7	0.2	47	0.31	0.072
MT3 11	Soil	7.4	36.4	12.0	51	<0.1	24.4	7.5	311	3.32	6.4	1.1	46.3	8.4	30	<0.1	0.5	0.2	45	0.22	0.036
MT3 12	Soil	6.8	22.7	21.8	67	0.2	25.9	14.9	1488	3.43	8.7	0.7	58.8	5.4	23	0.3	0.6	0.3	62	0.22	0.077
MT3 13	Soil	4.8	26.9	12.7	60	<0.1	24.1	9.6	387	3.21	8.1	0.9	61.5	6.7	22	<0.1	0.6	0.2	60	0.19	0.028
MT3 14	Soil	5.0	21.0	9.9	45	<0.1	19.5	7.4	282	2.64	5.2	0.9	54.2	7.6	22	<0.1	0.5	0.2	48	0.18	0.024
MT3 15	Soil	3.2	28.9	9.6	74	<0.1	15.2	8.5	553	3.90	3.1	1.3	26.4	17.0	26	<0.1	0.3	0.1	46	0.30	0.073
MT3 16	Soil	4.7	41.6	11.8	68	<0.1	16.1	7.2	392	3.51	4.0	1.5	30.9	15.0	33	<0.1	0.4	0.2	38	0.33	0.068



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
MT2 27	Soil	35	26	0.41	467	0.068	2	1.62	0.014	0.13	<0.1	0.02	5.7	0.1	<0.05	4	0.8	<0.2
MT2 28	Soil	20	26	0.37	452	0.057	2	1.56	0.010	0.10	0.1	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
MT2 29	Soil	21	24	0.36	365	0.065	1	1.12	0.015	0.08	<0.1	0.02	3.5	<0.1	<0.05	3	<0.5	<0.2
MT2 30	Soil	14	32	0.46	348	0.053	2	2.02	0.011	0.08	0.1	<0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
MT2 31	Soil	20	33	0.69	471	0.102	2	1.89	0.013	0.24	<0.1	0.02	4.9	0.2	<0.05	6	<0.5	<0.2
MT2 32	Soil	22	32	0.55	517	0.090	1	1.93	0.012	0.18	0.1	0.01	4.0	0.1	<0.05	6	<0.5	<0.2
MT2 33	Soil	17	34	0.54	366	0.080	2	2.09	0.012	0.11	0.1	0.02	4.3	0.1	<0.05	6	0.6	<0.2
MT2 34	Soil	9	16	0.64	300	0.112	2	2.40	0.010	0.56	0.1	<0.01	3.4	0.3	<0.05	7	<0.5	<0.2
MT2 35	Soil	22	7	0.85	381	0.161	<1	2.19	0.007	0.85	0.1	<0.01	2.8	0.5	<0.05	7	<0.5	<0.2
MT2 36	Soil	22	9	0.96	441	0.163	<1	2.33	0.008	0.86	0.2	<0.01	2.8	0.5	<0.05	8	<0.5	0.3
MT2 37	Soil	18	32	0.53	302	0.096	1	1.95	0.012	0.14	<0.1	0.02	4.1	0.1	<0.05	6	<0.5	<0.2
MT3 1	Soil	21	37	0.54	670	0.082	2	1.86	0.014	0.10	<0.1	0.02	6.1	<0.1	<0.05	5	0.6	<0.2
MT3 2	Soil	25	23	0.34	766	0.017	<1	1.57	0.008	0.11	<0.1	0.03	7.0	0.1	<0.05	3	0.8	0.3
MT3 3	Soil	21	18	0.36	345	0.023	1	2.03	0.008	0.18	0.1	0.03	3.7	0.2	<0.05	5	0.6	0.5
MT3 4	Soil	36	9	0.44	499	0.043	<1	2.01	0.008	0.35	0.2	0.07	6.5	0.3	<0.05	5	0.6	<0.2
MT3 5	Soil	24	11	0.20	190	0.011	<1	1.21	0.006	0.11	<0.1	0.03	2.6	0.1	<0.05	3	0.6	1.1
MT3 6	Soil	18	20	0.32	408	0.015	1	1.29	0.008	0.08	<0.1	0.03	4.5	<0.1	<0.05	3	0.6	0.6
MT3 7	Soil	21	17	0.29	458	0.033	1	1.07	0.007	0.07	0.1	0.04	2.5	<0.1	<0.05	3	<0.5	0.3
MT3 8	Soil	27	18	0.47	662	0.074	<1	1.50	0.009	0.26	0.1	0.04	7.0	0.2	<0.05	5	0.8	<0.2
MT3 9	Soil	56	111	1.78	952	0.149	<1	1.97	0.015	0.24	0.3	0.03	7.2	0.3	<0.05	7	0.9	<0.2
MT3 10	Soil	33	33	0.64	500	0.105	1	1.65	0.011	0.33	0.2	0.02	7.1	0.2	<0.05	6	0.6	0.8
MT3 11	Soil	29	34	0.53	481	0.083	<1	1.55	0.010	0.16	0.1	0.03	5.1	0.1	<0.05	5	1.0	0.3
MT3 12	Soil	19	40	0.57	430	0.060	<1	1.95	0.009	0.10	0.1	0.02	3.6	<0.1	<0.05	6	0.8	0.3
MT3 13	Soil	17	41	0.62	391	0.066	1	2.15	0.010	0.08	0.1	0.03	4.5	0.1	<0.05	6	0.7	<0.2
MT3 14	Soil	22	36	0.50	264	0.071	1	1.56	0.010	0.07	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
MT3 15	Soil	46	25	0.73	405	0.147	<1	2.07	0.009	0.66	0.2	0.01	6.0	0.3	<0.05	8	1.0	<0.2
MT3 16	Soil	43	33	0.74	587	0.128	<1	1.78	0.011	0.50	0.1	0.02	4.8	0.3	<0.05	6	0.7	<0.2



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Project: Mariposa

Report Date: October 19, 2010

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QUALITY CONTROL REPORT

WHI10000475.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
26000 84550	Soil	0.7	18.9	11.6	71	<0.1	14.7	11.5	897	3.09	4.6	0.6	4.5	6.0	30	0.1	0.2	0.1	47	0.53	0.063
REP 26000 84550	QC	0.6	18.7	11.5	74	<0.1	16.0	11.5	902	3.14	4.6	0.6	2.0	6.1	32	<0.1	0.3	<0.1	49	0.55	0.064
26000 84650	Soil	0.7	17.6	9.0	98	<0.1	12.9	15.7	922	4.76	6.2	1.5	1.4	8.8	33	<0.1	0.2	<0.1	65	0.37	0.077
REP 26000 84650	QC	0.7	16.4	9.2	100	<0.1	13.1	15.1	921	4.64	6.3	1.5	2.1	8.9	33	<0.1	0.2	<0.1	68	0.38	0.075
26200 88800	Soil	2.7	16.4	22.5	74	0.1	19.4	10.1	490	3.63	5.8	0.7	4.9	5.3	18	0.1	0.3	0.2	83	0.23	0.026
REP 26200 88800	QC	2.6	15.7	22.8	76	0.2	19.1	9.3	483	3.49	5.7	0.6	6.9	5.4	18	<0.1	0.3	0.2	81	0.23	0.026
27200 85350	Soil	1.9	21.9	15.6	53	<0.1	24.1	10.4	547	2.71	7.2	1.7	1.4	14.1	21	0.2	0.7	0.1	42	0.21	0.025
REP 27200 85350	QC	1.9	20.3	14.7	52	<0.1	23.6	10.1	524	2.55	6.6	1.6	1.0	13.2	19	0.2	0.7	0.1	39	0.19	0.024
27400 85400	Soil	1.1	9.1	10.7	54	<0.1	14.6	7.4	453	2.58	5.0	1.2	1.2	9.6	11	0.2	1.3	0.2	34	0.14	0.050
REP 27400 85400	QC	1.1	9.2	10.2	56	<0.1	14.7	7.4	464	2.51	5.3	1.2	<0.5	9.1	12	0.1	1.2	0.2	34	0.14	0.044
Reference Materials																					
STD DS7	Standard	19.9	98.2	67.5	393	1.0	51.9	8.3	615	2.27	51.1	5.0	188.3	4.8	80	6.0	6.4	4.7	79	0.92	0.073
STD DS7	Standard	19.1	112.8	69.5	395	1.0	54.5	9.3	622	2.39	54.1	5.0	80.3	4.7	72	6.5	5.7	4.7	83	0.93	0.080
STD DS7	Standard	20.7	108.5	71.6	401	1.0	53.1	9.4	641	2.41	52.2	5.2	71.9	5.0	82	5.9	6.4	5.1	84	1.01	0.079
STD DS7	Standard	19.6	102.1	68.8	359	0.9	52.3	8.8	600	2.25	48.0	4.6	68.9	4.9	72	6.1	5.7	4.6	83	0.93	0.073
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: Mariposa

Report Date: October 19, 2010

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QUALITY CONTROL REPORT

WHI10000475.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
26000 84550	Soil	15	20	0.80	342	0.069	1	1.57	0.012	0.33	<0.1	<0.01	3.2	0.1	<0.05	5	<0.5	<0.2
REP 26000 84550	QC	15	21	0.80	343	0.074	2	1.58	0.013	0.34	<0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
26000 84650	Soil	23	15	1.34	300	0.203	1	2.54	0.011	0.93	<0.1	<0.01	3.7	0.3	<0.05	9	0.6	<0.2
REP 26000 84650	QC	23	15	1.30	309	0.212	2	2.49	0.011	1.00	<0.1	0.01	3.8	0.3	<0.05	9	<0.5	<0.2
26200 88800	Soil	16	32	0.91	220	0.164	<1	2.13	0.013	0.24	0.1	0.02	6.2	0.2	<0.05	8	<0.5	<0.2
REP 26200 88800	QC	17	31	0.91	217	0.165	<1	2.09	0.017	0.23	0.1	0.02	6.0	0.2	<0.05	8	<0.5	<0.2
27200 85350	Soil	23	38	0.40	251	0.066	2	1.82	0.009	0.16	0.1	0.02	3.9	0.1	<0.05	5	<0.5	<0.2
REP 27200 85350	QC	22	34	0.38	240	0.060	2	1.69	0.012	0.14	0.2	<0.01	3.6	0.1	<0.05	5	<0.5	<0.2
27400 85400	Soil	18	22	0.34	186	0.016	2	1.48	0.007	0.08	<0.1	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
REP 27400 85400	QC	18	22	0.30	184	0.022	2	1.45	0.007	0.08	<0.1	0.01	3.6	<0.1	<0.05	5	0.5	<0.2
Reference Materials																		
STD DS7	Standard	14	185	1.02	400	0.129	37	0.99	0.093	0.47	3.7	0.21	2.5	4.1	0.17	5	3.4	1.0
STD DS7	Standard	13	201	1.03	383	0.118	37	1.03	0.094	0.46	3.7	0.23	2.4	4.2	0.23	5	3.6	0.8
STD DS7	Standard	14	204	1.05	416	0.129	42	1.06	0.102	0.47	3.7	0.23	2.6	4.3	0.20	5	4.1	1.5
STD DS7	Standard	13	197	1.01	376	0.123	38	0.96	0.094	0.44	3.5	0.21	2.6	4.1	0.21	4	3.2	1.1
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: George Norman

Receiving Lab: Canada-Whitehorse

Received: September 27, 2010

Report Date: October 26, 2010

Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI10000548.1

CLIENT JOB INFORMATION

Project: Mariposa
Shipment ID: S10-15
P.O. Number
Number of Samples: 133

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
PICKUP-RJT Client to Pickup Rejects

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
Canada

CC: Al Doherty
John Brock

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	133	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	133	Dry at 60C			WHI
RJSV	133	Saving all or part of Soil Reject			WHI
1DX2	133	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Mariposa
Report Date: October 26, 2010

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CERTIFICATE OF ANALYSIS

WHI10000548.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
MT4-12	Soil	6.5	24.2	7.9	44	0.2	17.4	8.1	384	2.91	6.1	1.6	314.6	6.1	27	<0.1	0.6	0.4	44	0.25	0.032
MT4-13	Soil	3.3	32.3	9.2	58	<0.1	14.9	8.8	686	3.24	4.8	1.2	117.1	6.1	31	0.1	0.5	0.3	38	0.24	0.031
MT4-14	Soil	2.2	34.4	8.1	53	<0.1	22.2	8.8	359	2.79	7.1	1.0	139.9	5.5	34	<0.1	0.7	0.2	51	0.28	0.028
MT4-15	Soil	3.6	21.9	9.3	37	0.1	10.5	9.7	379	2.77	5.5	0.8	272.0	4.2	12	<0.1	0.5	0.2	35	0.07	0.035
MT4-16	Soil	4.6	42.1	9.2	49	<0.1	14.5	5.8	242	2.50	3.6	0.9	179.0	12.1	24	<0.1	0.8	0.1	28	0.25	0.028
MT4-17	Soil	2.0	32.8	8.9	56	<0.1	20.3	8.4	377	2.82	7.6	1.0	88.0	6.7	27	<0.1	0.6	0.2	51	0.22	0.026
MT4-18	Soil	3.4	28.6	6.5	29	<0.1	7.6	5.6	354	1.75	2.8	0.8	151.1	6.3	13	<0.1	0.5	0.2	21	0.09	0.015
MT4-19	Soil	2.7	28.6	8.1	43	<0.1	13.9	6.8	292	2.48	5.9	0.9	99.2	8.3	16	<0.1	0.6	0.2	38	0.12	0.016
MT4-20	Soil	2.4	18.5	11.0	38	0.1	12.7	5.9	231	2.70	7.2	0.7	144.0	3.7	14	<0.1	0.5	0.2	57	0.11	0.023
MT4-21	Soil	2.4	30.9	8.1	47	<0.1	16.0	8.1	368	2.71	5.8	1.2	60.6	7.6	21	<0.1	0.6	0.3	45	0.18	0.021
MT4-22	Soil	2.9	32.1	8.5	49	<0.1	17.3	8.2	320	2.70	5.5	1.1	89.7	8.8	18	<0.1	0.6	0.2	44	0.14	0.016
MT4-23	Soil	2.3	31.3	9.3	52	<0.1	19.4	8.1	304	2.98	7.1	1.1	54.2	8.3	21	<0.1	0.6	0.2	55	0.19	0.018
MT4-24	Soil	1.6	19.7	10.4	52	<0.1	19.3	9.3	266	3.17	8.4	0.6	32.6	6.1	15	<0.1	0.5	0.2	64	0.13	0.019
MT5-01	Soil	4.6	275.9	24.1	204	0.5	24.4	9.7	432	3.13	9.2	1.0	26.5	5.5	15	1.4	0.7	0.5	55	0.15	0.054
MT5-02	Soil	23.3	398.7	39.8	419	0.4	9.6	7.3	543	3.31	10.1	1.6	121.3	9.4	18	1.5	1.7	1.6	27	0.08	0.035
MT5-03	Soil	12.9	358.6	107.0	704	0.9	3.5	3.7	371	4.17	8.6	1.6	5.5	10.7	62	1.5	0.7	0.9	16	0.11	0.031
MT5-04	Soil	18.5	347.2	121.9	589	0.8	5.7	7.6	1158	4.06	14.0	2.5	311.4	8.6	20	2.8	1.0	1.3	19	0.10	0.045
MT5-05	Soil	4.2	106.2	34.2	201	0.8	18.8	8.3	401	2.94	9.3	1.2	80.6	6.2	18	0.9	0.8	0.4	52	0.11	0.021
MT5-06	Soil	56.6	310.4	125.0	468	0.6	5.0	9.4	1927	4.03	16.1	2.8	414.0	8.4	15	3.2	2.4	2.3	13	0.07	0.041
MT5-07	Soil	40.4	324.4	86.7	337	0.4	4.1	8.5	1383	4.14	7.9	2.7	581.8	9.9	15	1.8	1.7	1.3	11	0.08	0.034
MT5-08	Soil	26.4	259.0	47.8	285	0.5	8.0	6.6	991	3.47	7.5	1.5	619.7	6.7	12	1.2	1.2	0.9	26	0.09	0.034
MT5-09	Soil	17.1	168.9	39.1	251	0.2	9.6	5.7	714	3.14	7.8	1.4	110.4	6.6	13	1.1	1.2	0.7	32	0.08	0.023
MT5-10	Soil	21.9	147.8	74.7	290	0.2	4.3	5.5	884	4.09	3.8	2.2	206.1	13.9	40	0.9	0.8	1.0	17	0.09	0.022
MT5-11	Soil	17.3	116.9	39.8	202	0.2	8.7	6.3	612	3.56	5.5	1.5	204.8	11.4	39	0.6	0.9	0.9	27	0.10	0.017
MT5-12	Soil	12.2	95.9	34.1	176	0.2	12.1	7.5	616	3.54	6.7	1.5	161.1	10.4	44	0.4	0.9	0.8	39	0.12	0.015
MT5-13	Soil	9.7	87.6	37.2	169	0.2	18.2	6.6	388	3.09	7.3	0.9	154.9	7.2	20	0.9	0.8	0.9	37	0.14	0.023
MT5-14	Soil	13.2	109.0	39.5	204	0.3	13.1	6.0	569	3.46	5.4	1.4	195.9	10.6	36	0.8	0.9	0.9	26	0.16	0.029
MT5-15	Soil	9.7	91.8	29.0	164	0.2	10.9	5.3	474	2.87	4.7	1.4	165.2	10.0	22	0.5	0.7	0.7	28	0.17	0.021
MT5-16	Soil	3.1	49.7	14.4	77	0.1	20.2	8.5	335	2.87	6.9	1.0	35.7	6.5	19	0.2	0.6	0.3	55	0.20	0.021
MT5-17	Soil	5.5	42.7	17.1	93	<0.1	14.9	6.4	319	2.60	5.1	0.8	41.5	6.3	41	0.4	0.6	0.3	40	0.15	0.013



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Project: Mariposa
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
MT4-12	Soil	28	29	0.46	731	0.049	<1	1.36	0.011	0.11	0.1	0.03	4.9	<0.1	<0.05	4	<0.5	0.2
MT4-13	Soil	19	21	0.40	630	0.044	<1	1.35	0.012	0.09	0.1	0.03	4.6	<0.1	<0.05	4	<0.5	<0.2
MT4-14	Soil	19	34	0.50	790	0.070	<1	1.55	0.015	0.07	0.1	0.04	5.8	<0.1	<0.05	4	<0.5	0.2
MT4-15	Soil	15	18	0.25	279	0.019	<1	1.37	0.007	0.06	<0.1	0.03	2.3	<0.1	<0.05	4	<0.5	0.2
MT4-16	Soil	29	21	0.34	391	0.033	<1	0.97	0.009	0.07	<0.1	0.03	4.4	<0.1	<0.05	3	<0.5	0.3
MT4-17	Soil	22	33	0.51	385	0.067	<1	1.57	0.011	0.07	<0.1	0.02	5.7	<0.1	<0.05	5	<0.5	0.2
MT4-18	Soil	19	12	0.19	226	0.027	<1	0.75	0.006	0.05	<0.1	<0.01	2.3	<0.1	<0.05	2	<0.5	0.2
MT4-19	Soil	19	22	0.40	276	0.037	<1	1.45	0.007	0.07	0.1	<0.01	3.2	0.1	<0.05	4	<0.5	<0.2
MT4-20	Soil	14	27	0.37	215	0.053	<1	1.55	0.009	0.05	0.2	<0.01	3.2	0.1	<0.05	6	<0.5	<0.2
MT4-21	Soil	29	28	0.44	331	0.054	<1	1.58	0.010	0.08	0.1	<0.01	4.6	0.1	<0.05	5	<0.5	0.2
MT4-22	Soil	27	30	0.44	285	0.056	<1	1.71	0.009	0.08	<0.1	0.01	4.5	0.1	<0.05	5	<0.5	<0.2
MT4-23	Soil	29	35	0.52	370	0.057	1	1.99	0.012	0.08	0.1	0.03	6.0	0.1	<0.05	6	<0.5	<0.2
MT4-24	Soil	11	35	0.51	238	0.054	<1	2.22	0.007	0.06	0.1	0.01	3.2	<0.1	<0.05	6	<0.5	0.3
MT5-01	Soil	13	29	0.48	283	0.052	1	1.83	0.007	0.10	0.1	0.04	3.1	<0.1	<0.05	5	<0.5	0.3
MT5-02	Soil	20	14	0.21	281	0.012	<1	1.36	0.005	0.09	0.1	0.03	2.3	0.1	<0.05	3	<0.5	1.2
MT5-03	Soil	17	7	0.15	452	0.004	<1	2.02	0.005	0.10	<0.1	0.05	2.6	0.2	<0.05	4	<0.5	<0.2
MT5-04	Soil	22	10	0.12	303	0.005	1	1.29	0.009	0.11	0.1	0.09	2.6	<0.1	<0.05	3	0.8	0.9
MT5-05	Soil	16	30	0.43	326	0.044	<1	1.91	0.008	0.07	0.1	0.04	4.2	<0.1	<0.05	5	<0.5	<0.2
MT5-06	Soil	22	6	0.09	434	0.007	1	0.78	0.006	0.09	<0.1	0.08	3.2	0.2	<0.05	2	0.6	0.8
MT5-07	Soil	25	5	0.10	495	0.006	2	0.79	0.006	0.09	0.1	0.07	4.3	0.1	<0.05	2	0.6	0.3
MT5-08	Soil	17	13	0.17	287	0.010	<1	1.42	0.005	0.09	<0.1	0.03	2.9	0.1	<0.05	3	<0.5	0.3
MT5-09	Soil	17	17	0.21	227	0.018	<1	1.37	0.011	0.08	0.1	0.02	2.8	0.1	<0.05	4	<0.5	<0.2
MT5-10	Soil	25	6	0.23	459	0.016	1	1.54	0.007	0.24	<0.1	0.04	4.1	0.2	<0.05	4	<0.5	<0.2
MT5-11	Soil	23	14	0.31	374	0.034	<1	1.61	0.010	0.21	0.1	0.03	4.4	0.2	<0.05	4	<0.5	0.2
MT5-12	Soil	31	21	0.40	413	0.056	<1	1.71	0.008	0.17	0.1	0.02	5.1	0.2	<0.05	5	<0.5	<0.2
MT5-13	Soil	15	22	0.32	346	0.025	<1	1.98	0.006	0.13	0.1	0.01	2.8	0.1	<0.05	5	<0.5	0.4
MT5-14	Soil	24	18	0.25	435	0.024	<1	1.57	0.004	0.18	<0.1	0.02	3.4	0.1	<0.05	4	<0.5	0.5
MT5-15	Soil	26	16	0.32	410	0.033	<1	1.44	0.007	0.14	0.1	0.02	3.8	0.1	<0.05	4	<0.5	<0.2
MT5-16	Soil	23	31	0.54	310	0.074	<1	1.67	0.010	0.08	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
MT5-17	Soil	15	24	0.39	380	0.043	8	1.46	0.008	0.09	<0.1	0.01	3.1	0.1	<0.05	4	<0.5	<0.2



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Part 1

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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
MT5-18	Soil		3.8	50.7	16.6	117	0.2	21.8	8.9	538	2.86	7.1	1.3	70.1	6.3	23	0.4	0.6	0.3	58	0.20	0.017		
MT5-19	Soil		3.2	42.1	16.8	106	0.1	21.9	9.0	388	2.90	6.8	1.1	57.5	6.5	22	0.4	0.5	0.3	59	0.20	0.014		
MT5-20	Soil		2.9	26.8	10.1	60	<0.1	18.0	6.9	288	2.34	6.0	0.8	51.8	5.0	21	0.2	0.4	0.4	49	0.21	0.017		
MT5-21	Soil		2.7	27.2	13.3	73	0.2	26.4	11.3	427	3.17	10.4	0.6	13.8	4.9	18	0.3	0.5	0.4	67	0.17	0.031		
MT5-22	Soil		3.6	32.6	13.8	79	<0.1	18.7	9.3	578	2.88	6.5	1.2	45.2	6.3	30	0.2	0.5	1.1	51	0.24	0.023		
MT5-23	Soil		2.6	30.4	12.0	67	<0.1	21.8	8.6	350	2.93	8.0	0.9	25.3	6.0	21	0.1	0.5	0.4	60	0.20	0.018		
MT5-24	Soil		4.1	28.4	11.9	61	<0.1	16.8	8.3	463	2.50	6.5	0.9	86.5	5.9	29	0.1	0.4	0.2	46	0.18	0.017		
MT5-25	Soil		4.0	25.4	12.5	66	<0.1	16.1	8.6	502	2.65	7.8	0.8	49.6	5.5	25	0.2	0.4	0.3	55	0.20	0.023		
MT5-26	Soil		3.3	23.3	12.9	60	0.1	17.9	6.9	301	2.82	8.6	0.7	27.4	5.0	21	0.2	0.5	0.2	63	0.19	0.021		
27500 90000	Soil		0.7	13.9	6.9	84	<0.1	12.0	12.8	488	3.66	4.5	0.4	0.7	5.6	18	0.2	0.3	<0.1	63	0.21	0.074		
27500 89950	Soil		1.6	18.2	8.8	46	<0.1	16.4	8.4	284	2.59	6.5	0.6	2.4	11.1	18	<0.1	0.3	0.1	49	0.17	0.031		
27500 89900	Soil		1.1	29.3	9.5	54	<0.1	22.4	10.2	332	2.78	8.8	1.0	3.5	8.2	20	<0.1	0.5	0.1	59	0.21	0.039		
27500 89850	Soil		1.0	26.4	8.9	61	<0.1	22.2	11.0	425	2.91	7.8	0.9	3.4	11.7	25	<0.1	0.4	0.1	61	0.26	0.041		
27500 89800	Soil		1.2	33.0	9.2	64	<0.1	19.3	11.6	381	3.43	6.6	0.7	2.9	9.9	17	<0.1	0.6	0.1	60	0.21	0.072		
27500 89750	Soil		0.9	16.7	8.5	50	<0.1	18.3	9.6	262	3.03	6.7	0.5	3.0	6.0	15	<0.1	0.4	0.1	49	0.16	0.041		
27500 89700	Soil		0.8	22.6	6.5	73	<0.1	17.4	11.3	505	3.69	5.1	0.6	1.3	5.6	23	<0.1	0.4	0.1	57	0.40	0.069		
27500 89650	Soil		1.1	24.3	10.8	51	<0.1	19.4	9.8	251	3.51	10.1	0.6	2.2	4.4	14	<0.1	0.4	0.2	67	0.15	0.039		
27500 89600	Soil		0.5	26.1	4.4	55	<0.1	12.4	11.3	490	2.97	3.1	0.3	1.0	3.2	23	<0.1	0.2	<0.1	69	0.52	0.051		
27500 89450	Soil		1.8	26.5	7.6	47	0.2	21.1	14.2	1321	2.66	4.0	2.1	21.2	4.9	65	0.2	0.5	0.1	45	0.86	0.076		
27500 89550	Soil		0.9	28.7	8.7	54	0.1	16.8	10.6	499	2.94	4.8	1.1	3.9	8.3	28	0.1	0.4	0.1	54	0.51	0.041		
27500 89400	Soil		1.0	18.9	9.2	48	0.2	12.4	8.6	330	2.89	4.4	1.6	14.6	7.9	36	0.2	0.6	0.1	40	0.59	0.059		
27500 89350	Soil		1.0	19.8	6.9	53	<0.1	17.2	8.8	307	2.74	4.1	1.8	8.5	7.4	23	0.1	0.5	0.1	49	0.41	0.054		
27500 89300	Soil		1.0	19.9	5.4	47	<0.1	15.9	9.3	324	2.45	3.6	1.1	1.1	5.7	23	<0.1	0.3	<0.1	50	0.44	0.095		
27500 89250	Soil		1.4	15.1	7.1	47	<0.1	16.1	8.1	324	2.33	4.8	0.6	1.3	6.0	16	0.1	0.4	0.1	47	0.22	0.046		
27500 88850	Soil		1.6	162.3	6.1	103	<0.1	8.8	11.5	634	3.70	29.2	0.6	1.1	2.8	18	0.1	1.6	0.4	52	0.26	0.055		
27500 88900	Soil		2.8	34.6	6.5	127	<0.1	29.2	15.1	463	4.20	55.6	0.9	<0.5	3.5	14	0.2	2.1	0.1	63	0.23	0.049		
27500 88950	Soil		2.7	30.2	7.8	52	<0.1	20.5	2.6	72	3.65	1.0	2.3	<0.5	9.8	34	0.1	0.2	0.1	56	0.19	0.031		
27500 89000	Soil		0.3	22.4	10.3	57	<0.1	8.6	7.7	514	2.37	2.3	1.0	<0.5	5.2	24	<0.1	0.2	0.1	29	0.38	0.087		
27500 89050	Soil		1.6	83.4	7.9	108	<0.1	36.4	22.9	539	4.18	14.1	0.9	1.4	5.8	26	0.2	0.4	0.2	72	0.45	0.126		
21000 91100	Soil		0.4	18.1	4.8	101	<0.1	14.8	18.6	933	5.31	2.4	0.5	3.7	2.9	24	<0.1	0.2	<0.1	145	0.60	0.128		



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
MT5-18	Soil	24	34	0.52	408	0.072	<1	1.71	0.012	0.07	0.1	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
MT5-19	Soil	20	36	0.54	305	0.084	<1	1.74	0.010	0.07	0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
MT5-20	Soil	16	28	0.47	243	0.074	<1	1.26	0.012	0.05	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
MT5-21	Soil	12	38	0.56	273	0.075	<1	2.10	0.011	0.08	0.2	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
MT5-22	Soil	21	28	0.51	312	0.085	<1	1.44	0.010	0.08	0.1	0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
MT5-23	Soil	17	35	0.57	276	0.075	<1	1.85	0.014	0.07	0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
MT5-24	Soil	16	25	0.43	283	0.071	<1	1.32	0.010	0.07	0.1	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
MT5-25	Soil	18	27	0.46	310	0.081	<1	1.50	0.008	0.09	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
MT5-26	Soil	16	31	0.47	315	0.064	<1	1.72	0.008	0.07	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
27500 90000	Soil	12	24	0.92	175	0.116	<1	2.40	0.011	0.30	<0.1	<0.01	3.8	0.2	<0.05	8	<0.5	<0.2
27500 89950	Soil	22	26	0.46	268	0.060	<1	1.80	0.008	0.08	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
27500 89900	Soil	26	34	0.55	257	0.074	1	1.90	0.012	0.07	0.1	0.03	4.6	0.1	<0.05	5	<0.5	<0.2
27500 89850	Soil	39	36	0.64	373	0.092	<1	2.07	0.010	0.10	0.1	0.04	5.3	0.1	<0.05	6	<0.5	<0.2
27500 89800	Soil	19	39	0.65	250	0.083	<1	2.07	0.009	0.16	0.1	0.02	3.6	0.1	<0.05	7	<0.5	<0.2
27500 89750	Soil	14	25	0.45	231	0.027	<1	1.85	0.007	0.09	<0.1	0.02	3.8	0.1	<0.05	5	<0.5	<0.2
27500 89700	Soil	14	28	0.79	621	0.109	<1	2.12	0.010	0.33	0.1	0.02	4.8	0.2	<0.05	7	<0.5	0.2
27500 89650	Soil	11	35	0.54	215	0.054	<1	2.11	0.010	0.08	0.1	0.03	3.8	0.1	<0.05	6	<0.5	<0.2
27500 89600	Soil	10	23	0.94	405	0.097	1	1.87	0.018	0.07	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
27500 89450	Soil	47	35	0.43	715	0.021	2	1.34	0.013	0.05	<0.1	0.09	4.4	0.1	0.08	5	<0.5	<0.2
27500 89550	Soil	37	29	0.47	673	0.033	2	1.73	0.011	0.08	<0.1	0.03	6.3	0.1	<0.05	6	<0.5	<0.2
27500 89400	Soil	35	22	0.28	1088	0.016	2	1.38	0.010	0.06	0.1	0.06	4.7	0.1	0.08	4	<0.5	<0.2
27500 89350	Soil	30	28	0.52	369	0.054	2	1.60	0.012	0.11	0.1	0.03	5.5	0.1	<0.05	6	<0.5	<0.2
27500 89300	Soil	24	35	0.74	269	0.084	<1	1.54	0.020	0.15	0.1	0.01	4.7	0.1	<0.05	5	<0.5	<0.2
27500 89250	Soil	20	27	0.43	193	0.062	1	1.53	0.008	0.06	0.2	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
27500 88850	Soil	13	16	1.11	181	0.070	<1	2.65	0.009	0.25	<0.1	0.01	3.1	0.2	<0.05	8	<0.5	<0.2
27500 88900	Soil	12	54	1.08	142	0.114	<1	3.29	0.010	0.13	0.1	0.02	2.7	0.2	<0.05	9	<0.5	<0.2
27500 88950	Soil	11	39	0.36	161	0.032	<1	2.10	0.017	0.06	<0.1	0.01	3.4	<0.1	0.05	6	1.2	<0.2
27500 89000	Soil	24	11	0.50	301	0.021	<1	1.61	0.010	0.21	<0.1	<0.01	4.2	0.2	<0.05	5	<0.5	<0.2
27500 89050	Soil	19	46	0.84	304	0.097	1	2.73	0.010	0.13	0.2	0.03	5.1	0.2	<0.05	7	<0.5	<0.2
21000 91100	Soil	13	33	1.97	599	0.242	2	2.69	0.020	1.21	<0.1	0.02	12.2	0.4	<0.05	11	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
21000 91350	Soil	0.7	12.8	6.5	62	<0.1	11.5	9.8	408	2.91	4.0	0.5	20.4	3.3	21	<0.1	0.3	<0.1	73	0.35	0.063
27300 90000	Soil	0.8	24.2	7.3	56	<0.1	15.0	8.6	304	2.72	6.4	0.7	2.0	6.0	20	<0.1	0.4	0.1	57	0.23	0.055
27300 89950	Soil	1.0	18.5	7.0	61	<0.1	14.3	8.7	303	2.91	5.5	0.6	9.0	7.6	24	<0.1	0.3	0.1	55	0.25	0.048
27300 89800	Soil	4.8	20.5	4.7	62	0.1	13.2	13.1	586	3.01	2.8	2.5	4.4	5.6	54	0.1	0.2	<0.1	59	0.70	0.082
27300 89000	Soil	2.5	252.7	16.2	175	0.1	27.2	7.9	396	4.98	17.7	2.6	1.3	13.0	61	0.4	0.9	0.9	129	0.35	0.069
27300 89600	Soil	1.0	22.2	7.1	58	<0.1	19.9	10.3	361	2.91	5.9	1.0	7.6	7.2	24	<0.1	0.5	0.1	55	0.35	0.049
27300 89700	Soil	1.2	21.9	9.1	60	<0.1	24.1	10.6	380	2.60	2.6	1.1	7.1	7.4	50	<0.1	0.5	<0.1	42	0.58	0.102
27300 89750	Soil	1.5	28.8	5.0	57	<0.1	14.5	11.7	427	3.15	3.7	1.3	<0.5	6.5	37	<0.1	0.2	<0.1	69	0.48	0.056
27400 90000	Soil	2.5	22.5	8.8	56	0.1	15.9	11.0	477	2.77	5.8	0.9	55.5	6.2	29	<0.1	0.3	0.1	59	0.28	0.046
27400 89950	Soil	1.0	38.2	5.8	63	<0.1	16.9	12.9	510	2.98	2.8	0.6	2.6	5.3	35	<0.1	0.3	<0.1	71	0.49	0.071
27400 89900	Soil	2.4	24.4	6.2	67	<0.1	13.5	10.9	436	3.83	4.4	0.4	0.8	9.2	17	<0.1	0.3	<0.1	63	0.28	0.079
27400 89750	Soil	2.4	23.3	9.1	59	0.1	19.3	11.5	625	3.14	6.3	1.0	2.8	13.3	24	<0.1	0.4	0.1	58	0.34	0.042
27400 89650	Soil	0.9	24.4	7.4	63	<0.1	16.4	9.9	380	2.87	7.1	1.0	5.2	8.7	27	<0.1	0.4	0.1	56	0.38	0.047
27400 89600	Soil	1.2	25.1	7.8	65	<0.1	18.1	10.1	274	3.75	6.0	0.5	2.6	5.4	16	<0.1	0.5	0.1	75	0.19	0.047
27400 89450	Soil	1.0	11.4	8.5	33	<0.1	17.7	7.1	314	1.92	3.9	0.5	6.3	4.4	22	<0.1	0.3	0.1	55	0.30	0.021
27400 89400	Soil	2.6	13.7	6.0	52	<0.1	11.2	9.1	312	2.59	6.2	1.5	19.5	6.7	28	0.1	0.3	<0.1	52	0.55	0.095
27400 89200	Soil	3.2	25.0	8.1	53	0.2	17.0	10.2	473	2.59	5.4	1.3	1.6	5.7	26	<0.1	0.4	0.1	49	0.37	0.066
27400 89150	Soil	1.5	46.5	7.8	60	<0.1	20.1	10.8	443	3.04	15.1	0.9	1.5	6.8	23	0.1	0.6	0.2	56	0.37	0.070
27400 89100	Soil	1.5	34.4	9.2	67	<0.1	22.5	10.4	363	3.11	12.5	1.0	2.1	6.7	29	0.1	0.7	0.2	62	0.35	0.041
27400 89050	Soil	2.7	67.0	7.0	104	<0.1	37.3	14.8	534	4.15	12.9	1.2	<0.5	8.0	38	<0.1	0.4	0.1	88	0.52	0.099
27400 89000	Soil	1.2	44.2	6.5	110	<0.1	13.2	10.3	606	3.20	8.8	0.5	1.1	2.2	15	0.2	0.4	0.2	50	0.22	0.067
27400 88950	Soil	0.7	156.7	6.1	96	<0.1	17.0	10.9	519	3.21	4.7	0.7	1.1	2.7	36	<0.1	0.3	0.1	59	0.50	0.077
27400 88900	Soil	1.4	236.2	7.7	97	<0.1	23.4	10.0	377	3.42	14.4	1.3	2.2	6.6	34	0.1	2.0	0.8	48	0.30	0.042
25600 89900	Soil	4.3	207.7	76.2	507	0.1	13.9	21.4	1098	5.72	3.3	1.0	17.4	7.2	18	0.5	0.4	2.2	97	0.26	0.073
25600 89450	Soil	1.0	194.9	10.1	151	<0.1	11.0	8.6	446	3.91	3.9	1.0	3.2	12.1	11	0.2	0.1	0.2	47	0.14	0.044
25600 89400	Soil	1.6	96.4	8.3	105	0.2	10.2	9.1	440	3.79	3.7	1.1	2.2	11.0	12	0.2	0.2	0.3	40	0.19	0.059
25600 89350	Soil	1.8	212.9	9.3	144	<0.1	6.3	7.7	472	3.92	2.9	1.5	1.0	12.8	10	0.1	0.1	0.1	42	0.13	0.034
25600 89300	Soil	1.8	239.6	6.6	110	0.1	5.5	7.2	383	3.05	3.1	1.0	2.8	12.0	37	0.1	0.2	0.2	30	0.23	0.045
25600 89250	Soil	2.7	316.5	21.3	163	0.2	8.6	6.9	320	4.01	5.0	1.6	1.0	12.1	16	0.2	0.3	0.5	41	0.12	0.022
25600 89200	Soil	2.1	169.4	8.2	70	<0.1	10.5	6.6	305	3.24	11.2	1.6	3.5	8.8	14	<0.1	0.5	1.8	36	0.13	0.015



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
21000 91350	Soil	13	27	0.76	327	0.123	1	1.66	0.015	0.25	0.1	0.02	5.4	0.1	<0.05	6	<0.5	<0.2
27300 90000	Soil	20	28	0.53	298	0.061	<1	1.81	0.010	0.09	0.1	0.03	3.4	<0.1	<0.05	6	<0.5	<0.2
27300 89950	Soil	18	25	0.54	262	0.085	2	1.73	0.010	0.16	<0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
27300 89800	Soil	23	24	0.80	479	0.086	1	1.73	0.015	0.19	<0.1	0.03	5.0	0.2	<0.05	6	<0.5	<0.2
27300 89000	Soil	29	102	1.10	388	0.118	<1	3.99	0.082	0.49	0.2	0.01	5.7	0.3	0.22	10	1.5	0.4
27300 89600	Soil	28	37	0.59	426	0.054	<1	1.68	0.012	0.09	0.1	0.03	4.6	0.1	<0.05	6	<0.5	<0.2
27300 89700	Soil	29	64	0.65	724	0.045	2	1.37	0.019	0.14	0.1	0.03	5.1	0.1	<0.05	5	<0.5	<0.2
27300 89750	Soil	21	26	0.85	439	0.103	<1	1.87	0.017	0.22	<0.1	0.02	4.5	0.1	<0.05	6	<0.5	<0.2
27400 90000	Soil	20	30	0.50	520	0.061	2	1.71	0.012	0.07	0.1	0.02	3.7	0.1	<0.05	6	<0.5	0.2
27400 89950	Soil	19	44	0.93	521	0.081	<1	2.03	0.013	0.22	<0.1	0.01	5.3	0.1	<0.05	6	<0.5	<0.2
27400 89900	Soil	16	27	0.83	322	0.136	<1	2.51	0.008	0.37	<0.1	0.01	4.0	0.2	<0.05	8	<0.5	<0.2
27400 89750	Soil	36	39	0.52	894	0.064	1	1.97	0.009	0.11	<0.1	0.03	4.3	0.1	<0.05	7	<0.5	<0.2
27400 89650	Soil	27	32	0.68	325	0.075	1	2.17	0.010	0.17	0.1	0.04	5.4	0.1	<0.05	6	<0.5	<0.2
27400 89600	Soil	19	33	0.53	266	0.048	1	1.92	0.008	0.10	<0.1	0.02	4.8	0.2	<0.05	7	<0.5	<0.2
27400 89450	Soil	18	43	0.38	433	0.054	1	1.33	0.011	0.09	<0.1	0.03	3.1	<0.1	<0.05	6	<0.5	<0.2
27400 89400	Soil	19	23	0.52	252	0.056	1	1.30	0.016	0.07	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
27400 89200	Soil	32	32	0.44	372	0.056	2	2.00	0.010	0.08	0.1	0.04	4.8	0.1	<0.05	6	<0.5	<0.2
27400 89150	Soil	17	32	0.55	230	0.087	1	1.83	0.013	0.09	0.2	0.01	3.7	0.1	<0.05	5	<0.5	<0.2
27400 89100	Soil	18	36	0.59	270	0.076	1	1.96	0.015	0.08	0.2	0.03	4.8	0.1	<0.05	6	<0.5	<0.2
27400 89050	Soil	16	60	1.28	243	0.155	<1	2.44	0.017	0.32	0.1	<0.01	3.6	0.3	<0.05	9	0.7	<0.2
27400 89000	Soil	8	18	0.84	130	0.100	1	2.11	0.010	0.27	<0.1	<0.01	1.9	0.2	<0.05	6	<0.5	<0.2
27400 88950	Soil	9	24	1.10	317	0.181	<1	2.06	0.018	0.35	0.2	0.01	3.0	0.3	<0.05	6	<0.5	<0.2
27400 88900	Soil	36	34	0.96	209	0.119	1	2.23	0.021	0.18	0.1	0.01	3.3	0.2	0.06	6	0.5	0.3
25600 89900	Soil	10	18	1.01	370	0.178	2	3.06	0.007	0.69	0.4	0.03	5.8	0.6	<0.05	7	0.7	0.4
25600 89450	Soil	21	22	0.72	269	0.206	1	2.22	0.008	0.78	0.2	0.01	3.3	0.4	<0.05	8	<0.5	<0.2
25600 89400	Soil	22	14	0.64	267	0.128	<1	2.19	0.005	0.59	0.2	0.02	3.2	0.4	<0.05	8	<0.5	<0.2
25600 89350	Soil	20	9	0.63	271	0.228	<1	2.33	0.007	0.78	0.1	0.01	3.3	0.5	<0.05	8	<0.5	<0.2
25600 89300	Soil	26	10	0.56	395	0.177	<1	1.95	0.006	0.58	0.1	0.01	2.6	0.4	<0.05	6	<0.5	0.6
25600 89250	Soil	20	17	0.58	236	0.175	1	2.22	0.008	0.61	0.2	0.02	3.9	0.5	<0.05	8	0.6	<0.2
25600 89200	Soil	22	18	0.45	191	0.066	1	1.54	0.007	0.28	0.3	0.01	3.0	0.2	<0.05	6	0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
25600 89150	Soil	2.4	94.4	11.2	67	<0.1	15.1	8.1	289	2.76	6.3	1.0	2.9	6.6	20	<0.1	0.4	0.4	45	0.21	0.025
25600 89100	Soil	2.8	54.9	11.4	76	<0.1	11.8	6.8	460	3.10	6.0	1.4	2.2	8.8	25	0.2	0.4	0.6	40	0.27	0.023
27572 87712	Soil	1.2	20.5	11.2	63	<0.1	17.2	10.3	255	2.71	6.5	1.0	8.4	4.1	20	0.1	0.3	0.1	54	0.30	0.058
25500 89650	Soil	1.9	19.5	16.7	46	0.3	8.5	3.8	182	2.56	7.9	0.4	3.5	2.4	9	0.2	0.5	0.5	87	0.08	0.030
GNS-10-2	Soil	3.0	38.0	6.5	39	<0.1	8.6	5.6	673	2.24	2.5	0.8	37.7	9.7	23	<0.1	0.3	0.1	17	0.22	0.020
GNS-10-1	Soil	2.0	25.2	11.5	54	0.1	22.8	9.3	322	2.90	8.3	1.0	5.8	5.4	18	<0.1	0.6	0.2	64	0.17	0.021
26700 89200	Soil	1.8	34.7	12.3	41	0.1	5.5	4.8	247	2.41	2.4	1.6	16.9	20.1	31	<0.1	0.3	0.4	10	0.13	0.035
26700 89150	Soil	2.5	37.2	15.5	127	<0.1	12.2	15.9	394	4.16	10.4	1.7	8.4	5.7	65	0.2	0.4	0.1	78	0.49	0.071
26700 89300	Soil	0.9	15.0	9.5	46	<0.1	16.7	8.4	273	2.51	6.4	0.8	10.4	9.3	18	0.1	0.4	0.1	50	0.22	0.029
26700 89350	Soil	1.2	14.4	9.9	42	<0.1	17.4	6.9	261	2.34	5.5	0.7	4.3	9.1	20	<0.1	0.3	0.1	45	0.21	0.031
26700 89400	Soil	1.1	14.3	11.6	46	<0.1	16.1	6.7	213	2.41	4.5	0.6	25.6	10.1	21	0.1	0.3	0.1	44	0.24	0.040
26700 89450	Soil	0.9	20.9	8.1	48	<0.1	16.9	10.0	410	2.58	5.8	1.1	35.4	9.5	22	<0.1	0.5	0.1	48	0.27	0.037
26600 88850	Soil	1.3	16.7	5.0	103	0.2	9.8	16.9	735	3.79	2.0	0.9	7.3	2.9	24	<0.1	0.1	<0.1	57	0.39	0.080
26600 88950	Soil	0.4	26.4	3.4	101	<0.1	7.9	25.1	350	3.89	1.3	0.3	2.5	1.2	20	<0.1	0.3	<0.1	105	0.56	0.129
26600 89000	Soil	1.2	34.7	5.0	130	0.3	2.2	18.6	429	3.89	1.1	0.5	7.3	1.0	29	<0.1	0.1	<0.1	52	0.68	0.163
26600 89100	Soil	0.9	29.4	8.2	92	<0.1	8.0	12.9	355	4.13	1.7	0.8	1.3	3.3	33	<0.1	0.2	<0.1	80	0.58	0.082
26600 89200	Soil	0.9	58.7	58.0	187	0.4	15.1	16.9	659	4.58	4.3	1.0	4.7	4.4	24	1.1	0.2	0.1	100	0.54	0.045
26600 89300	Soil	0.8	11.9	8.9	40	<0.1	12.9	6.4	398	2.16	5.0	0.7	3.6	6.6	20	0.1	0.3	0.1	48	0.24	0.039
26600 89350	Soil	0.6	10.9	8.3	41	<0.1	15.3	5.9	187	2.24	2.6	0.8	39.2	12.7	15	0.1	0.4	<0.1	31	0.18	0.040
26600 89400	Soil	0.6	12.8	7.8	43	<0.1	15.2	7.6	268	2.32	4.2	0.7	10.8	11.8	20	<0.1	0.4	<0.1	36	0.26	0.049
27600 89800	Soil	0.6	30.4	7.3	65	<0.1	12.5	11.5	309	3.38	4.2	0.5	6.9	11.0	20	0.1	0.9	<0.1	55	0.24	0.060
27600 89750	Soil	0.7	11.4	8.1	63	<0.1	6.6	6.8	247	2.89	2.7	0.7	2.4	12.4	20	0.1	0.3	<0.1	31	0.28	0.055
27600 89700	Soil	0.5	27.4	7.5	74	<0.1	16.3	14.0	451	3.79	3.1	0.8	1.3	21.5	24	<0.1	0.4	<0.1	57	0.24	0.056
27600 89650	Soil	1.0	22.8	11.0	59	<0.1	20.4	10.1	256	3.15	6.5	0.6	9.2	11.7	19	<0.1	0.4	0.1	60	0.17	0.023
27600 89450	Soil	1.1	27.1	9.7	45	<0.1	47.9	11.4	287	2.31	3.1	2.2	8.4	12.3	68	0.1	0.5	0.1	39	0.67	0.125
27600 89600	Soil	0.7	32.7	6.9	64	<0.1	16.8	14.5	508	3.61	3.6	0.8	5.9	9.7	25	<0.1	0.2	<0.1	67	0.31	0.040
27600 89500	Soil	1.0	20.9	7.3	51	<0.1	13.1	8.3	307	2.45	2.1	0.8	55.6	9.2	30	<0.1	0.5	<0.1	41	0.50	0.064
27600 89550	Soil	1.1	24.3	6.3	70	<0.1	13.5	10.4	389	3.12	3.1	1.1	3.1	10.4	38	<0.1	0.2	<0.1	55	0.49	0.070
27600 89350	Soil	0.6	17.1	10.1	48	<0.1	17.6	9.4	330	2.61	6.7	1.0	8.5	7.7	25	<0.1	0.6	0.1	51	0.29	0.040
27600 89050	Soil	0.8	21.8	9.7	45	<0.1	17.6	7.8	240	2.38	7.0	0.9	2.8	4.6	19	0.1	0.4	0.1	52	0.19	0.036



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Project: Mariposa
Report Date: October 26, 2010

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CERTIFICATE OF ANALYSIS

WHI10000548.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
25600 89150	Soil	16	23	0.50	220	0.076	<1	1.69	0.008	0.16	0.2	0.01	3.1	0.1	<0.05	5	<0.5	<0.2
25600 89100	Soil	25	23	0.47	216	0.049	<1	1.79	0.008	0.24	0.1	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
27572 87712	Soil	15	28	0.63	254	0.111	1	1.61	0.012	0.11	0.2	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
25500 89650	Soil	10	19	0.28	124	0.103	<1	1.18	0.004	0.08	0.1	0.01	2.0	0.1	<0.05	8	<0.5	<0.2
GNS-10-2	Soil	29	10	0.24	516	0.007	<1	1.01	0.005	0.06	<0.1	0.03	4.5	<0.1	<0.05	2	<0.5	<0.2
GNS-10-1	Soil	16	39	0.52	315	0.078	2	2.17	0.013	0.06	0.1	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
26700 89200	Soil	59	6	0.17	232	0.002	<1	0.99	0.005	0.16	<0.1	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
26700 89150	Soil	14	23	0.93	467	0.107	<1	1.96	0.010	0.43	<0.1	0.02	6.3	0.3	<0.05	7	<0.5	<0.2
26700 89300	Soil	22	29	0.43	316	0.064	<1	1.63	0.007	0.07	0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
26700 89350	Soil	26	28	0.37	355	0.044	<1	1.48	0.009	0.09	0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
26700 89400	Soil	31	24	0.40	223	0.034	<1	1.59	0.008	0.09	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
26700 89450	Soil	29	30	0.53	343	0.060	<1	1.52	0.010	0.08	0.1	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2
26600 88850	Soil	14	15	0.81	321	0.175	<1	1.92	0.009	0.54	0.1	0.02	4.3	0.2	<0.05	8	<0.5	<0.2
26600 88950	Soil	9	16	1.20	297	0.227	<1	2.34	0.019	0.79	0.2	<0.01	4.7	0.4	<0.05	8	<0.5	<0.2
26600 89000	Soil	5	3	0.88	256	0.205	<1	2.15	0.015	0.79	<0.1	<0.01	1.9	0.5	<0.05	6	<0.5	<0.2
26600 89100	Soil	11	18	0.84	239	0.096	<1	2.24	0.012	0.28	<0.1	0.01	4.7	0.1	<0.05	8	<0.5	<0.2
26600 89200	Soil	28	31	1.45	838	0.215	<1	2.76	0.010	0.38	0.1	0.02	6.1	0.3	<0.05	8	<0.5	<0.2
26600 89300	Soil	28	25	0.35	385	0.057	<1	1.20	0.010	0.10	0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
26600 89350	Soil	35	22	0.30	218	0.046	<1	1.11	0.007	0.12	<0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
26600 89400	Soil	29	24	0.39	236	0.046	<1	1.39	0.011	0.11	<0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
27600 89800	Soil	18	19	0.59	343	0.053	<1	2.12	0.011	0.24	0.1	0.01	4.6	0.1	<0.05	5	<0.5	<0.2
27600 89750	Soil	36	12	0.32	736	0.021	<1	1.45	0.005	0.15	<0.1	0.02	2.9	0.1	<0.05	4	<0.5	<0.2
27600 89700	Soil	49	40	0.80	433	0.070	<1	2.52	0.012	0.27	<0.1	0.02	5.1	0.2	<0.05	7	<0.5	<0.2
27600 89650	Soil	27	40	0.60	300	0.067	<1	2.49	0.007	0.09	<0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
27600 89450	Soil	51	86	0.63	705	0.040	<1	1.32	0.011	0.08	0.1	0.04	5.1	<0.1	<0.05	4	<0.5	<0.2
27600 89600	Soil	32	25	0.85	449	0.049	<1	2.03	0.011	0.12	<0.1	0.01	5.6	<0.1	<0.05	6	<0.5	<0.2
27600 89500	Soil	33	18	0.41	495	0.020	<1	1.36	0.008	0.10	<0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
27600 89550	Soil	37	24	0.66	582	0.062	<1	1.81	0.011	0.13	<0.1	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
27600 89350	Soil	23	31	0.50	587	0.055	<1	1.67	0.013	0.08	0.1	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
27600 89050	Soil	22	31	0.47	172	0.052	1	1.59	0.009	0.04	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
27600 88900	Soil	1.0	26.7	8.0	61	<0.1	34.0	18.1	403	3.57	4.7	1.0	1.5	6.1	29	<0.1	0.3	0.1	70	0.52	0.144
27600 88850	Soil	3.8	86.5	11.6	178	0.1	45.3	11.9	341	4.25	3.4	2.4	1.6	14.3	51	0.3	0.2	0.3	82	0.35	0.040
MT4-01	Soil	6.3	33.6	9.4	52	0.1	21.8	7.8	317	2.55	7.4	1.1	8.8	5.5	27	<0.1	0.5	0.2	49	0.27	0.041
MT4-02	Soil	3.6	26.7	10.8	48	0.1	19.9	8.3	278	2.58	7.6	0.9	9.5	5.4	18	0.1	0.6	0.2	52	0.20	0.033
MT4-03	Soil	2.5	33.8	11.1	48	0.1	21.0	7.7	320	2.49	7.3	1.2	9.1	4.6	25	0.1	0.5	0.2	50	0.27	0.043
MT4-04	Soil	2.2	61.6	11.9	61	0.2	25.5	10.1	317	2.92	10.2	1.7	13.0	6.1	29	<0.1	0.6	0.2	63	0.30	0.046
MT4-05	Soil	3.9	51.4	11.9	60	0.1	22.0	8.8	381	3.28	8.3	1.8	13.6	7.2	27	<0.1	0.6	0.3	56	0.29	0.040
MT4-06	Soil	3.5	33.8	9.3	55	<0.1	20.9	9.0	357	2.68	8.9	0.9	18.9	5.9	20	0.1	0.6	0.2	51	0.21	0.033
MT4-07	Soil	3.2	47.7	10.5	57	0.2	25.8	9.8	381	2.91	9.6	1.3	34.4	5.1	29	<0.1	0.7	0.2	60	0.33	0.057
MT4-08	Soil	6.7	39.1	9.8	48	<0.1	19.3	11.0	633	2.61	8.9	0.7	106.6	5.3	13	0.2	0.8	0.2	43	0.14	0.031
MT4-09	Soil	6.6	23.4	10.9	44	0.1	16.2	7.3	302	2.72	8.4	0.7	108.3	3.9	13	0.2	0.7	0.2	59	0.12	0.030
MT4-10	Soil	12.7	36.3	9.6	50	0.3	13.0	8.4	406	2.94	4.9	1.1	701.4	6.7	18	<0.1	0.7	0.4	38	0.16	0.022
MT4-11	Soil	3.5	37.2	10.9	52	0.2	20.3	10.7	452	3.15	7.8	1.0	536.5	5.8	26	<0.1	0.8	0.2	52	0.23	0.033



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
27600 88900	Soil	28	52	1.13	460	0.146	2	2.42	0.010	0.30	0.2	0.01	4.6	0.3	<0.05	7	<0.5	<0.2
27600 88850	Soil	24	101	1.00	204	0.063	<1	2.55	0.015	0.14	<0.1	<0.01	5.2	0.2	<0.05	7	0.9	<0.2
MT4-01	Soil	23	34	0.51	389	0.056	1	1.41	0.009	0.05	<0.1	0.04	5.2	<0.1	<0.05	4	<0.5	0.3
MT4-02	Soil	19	33	0.48	260	0.056	1	1.61	0.008	0.05	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
MT4-03	Soil	23	34	0.48	463	0.047	2	1.52	0.010	0.05	0.1	0.03	4.7	<0.1	<0.05	4	<0.5	<0.2
MT4-04	Soil	25	40	0.56	584	0.047	1	1.85	0.012	0.05	0.2	0.08	6.2	<0.1	<0.05	5	<0.5	<0.2
MT4-05	Soil	33	38	0.57	613	0.058	1	1.78	0.010	0.07	0.1	0.04	6.8	<0.1	<0.05	5	<0.5	<0.2
MT4-06	Soil	18	33	0.51	424	0.058	1	1.54	0.009	0.05	0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
MT4-07	Soil	20	38	0.58	579	0.067	1	1.72	0.011	0.07	0.1	0.05	6.2	<0.1	<0.05	5	<0.5	0.3
MT4-08	Soil	14	24	0.36	312	0.044	1	1.37	0.009	0.06	<0.1	0.01	2.8	<0.1	<0.05	3	<0.5	<0.2
MT4-09	Soil	13	29	0.38	291	0.049	2	1.60	0.006	0.04	0.2	0.02	2.9	<0.1	<0.05	6	<0.5	0.2
MT4-10	Soil	19	22	0.31	729	0.043	2	0.92	0.008	0.05	<0.1	0.04	4.6	<0.1	<0.05	3	<0.5	0.6
MT4-11	Soil	18	34	0.48	611	0.060	1	1.53	0.011	0.06	0.1	0.04	5.7	<0.1	<0.05	4	<0.5	0.2



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QUALITY CONTROL REPORT

WHI10000548.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
MT4-17	Soil	2.0	32.8	8.9	56	<0.1	20.3	8.4	377	2.82	7.6	1.0	88.0	6.7	27	<0.1	0.6	0.2	51	0.22	0.026
REP MT4-17	QC	2.1	32.8	8.9	58	<0.1	19.5	8.5	368	2.79	7.2	1.1	57.5	6.6	26	<0.1	0.6	0.2	50	0.22	0.026
MT5-08	Soil	26.4	259.0	47.8	285	0.5	8.0	6.6	991	3.47	7.5	1.5	619.7	6.7	12	1.2	1.2	0.9	26	0.09	0.034
REP MT5-08	QC	26.4	259.6	46.1	283	0.5	8.3	6.5	969	3.44	7.2	1.4	426.2	6.6	12	1.1	1.1	0.9	25	0.08	0.034
27500 89700	Soil	0.8	22.6	6.5	73	<0.1	17.4	11.3	505	3.69	5.1	0.6	1.3	5.6	23	<0.1	0.4	0.1	57	0.40	0.069
REP 27500 89700	QC	0.8	22.3	6.6	71	<0.1	17.4	11.2	496	3.70	5.3	0.6	2.0	5.7	23	<0.1	0.3	0.1	57	0.38	0.068
27500 88850	Soil	1.6	162.3	6.1	103	<0.1	8.8	11.5	634	3.70	29.2	0.6	1.1	2.8	18	0.1	1.6	0.4	52	0.26	0.055
REP 27500 88850	QC	1.6	160.2	6.1	103	<0.1	9.5	11.7	647	3.79	29.1	0.7	0.9	2.8	18	<0.1	1.7	0.5	55	0.26	0.057
27400 88950	Soil	0.7	156.7	6.1	96	<0.1	17.0	10.9	519	3.21	4.7	0.7	1.1	2.7	36	<0.1	0.3	0.1	59	0.50	0.077
REP 27400 88950	QC	0.8	160.0	6.0	100	<0.1	17.7	10.9	515	3.29	4.8	0.7	1.9	2.2	37	<0.1	0.3	0.1	60	0.51	0.081
25600 89200	Soil	2.1	169.4	8.2	70	<0.1	10.5	6.6	305	3.24	11.2	1.6	3.5	8.8	14	<0.1	0.5	1.8	36	0.13	0.015
REP 25600 89200	QC	2.4	173.8	8.4	72	<0.1	10.5	6.7	306	3.26	11.2	1.6	1.8	9.6	14	0.1	0.4	1.9	36	0.14	0.015
26600 89350	Soil	0.6	10.9	8.3	41	<0.1	15.3	5.9	187	2.24	2.6	0.8	39.2	12.7	15	0.1	0.4	<0.1	31	0.18	0.040
REP 26600 89350	QC	0.6	10.8	8.4	42	<0.1	15.5	6.4	184	2.21	2.5	0.8	48.9	12.9	15	<0.1	0.4	<0.1	31	0.18	0.041
MT4-01	Soil	6.3	33.6	9.4	52	0.1	21.8	7.8	317	2.55	7.4	1.1	8.8	5.5	27	<0.1	0.5	0.2	49	0.27	0.041
REP MT4-01	QC	6.2	33.4	9.1	51	0.1	20.7	7.6	312	2.54	7.4	1.1	11.1	5.6	27	<0.1	0.5	0.1	49	0.28	0.039
Reference Materials																					
STD DS7	Standard	21.3	116.6	75.3	396	0.9	57.3	9.9	607	2.33	50.1	5.1	76.3	5.0	67	6.3	5.9	4.9	85	0.90	0.074
STD DS7	Standard	20.5	106.5	68.7	378	0.9	54.5	9.1	569	2.25	47.8	5.4	66.1	4.6	74	5.7	6.3	4.9	80	0.83	0.069
STD DS7	Standard	20.8	109.1	71.4	391	0.9	55.6	9.1	610	2.34	51.3	5.1	73.3	4.9	71	5.9	5.7	4.8	82	0.90	0.075
STD DS7	Standard	20.1	110.9	74.3	394	1.0	56.9	9.7	614	2.35	49.6	5.0	76.5	4.8	70	6.1	5.8	4.6	83	0.89	0.075
STD DS7	Standard	19.8	102.2	62.4	381	0.9	52.2	9.5	607	2.29	49.3	4.6	151.5	4.6	70	5.7	5.5	4.2	85	0.93	0.072
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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1100 - 1199 West Hastings Street

Vancouver BC V6E 3T5 Canada

Project: Mariposa

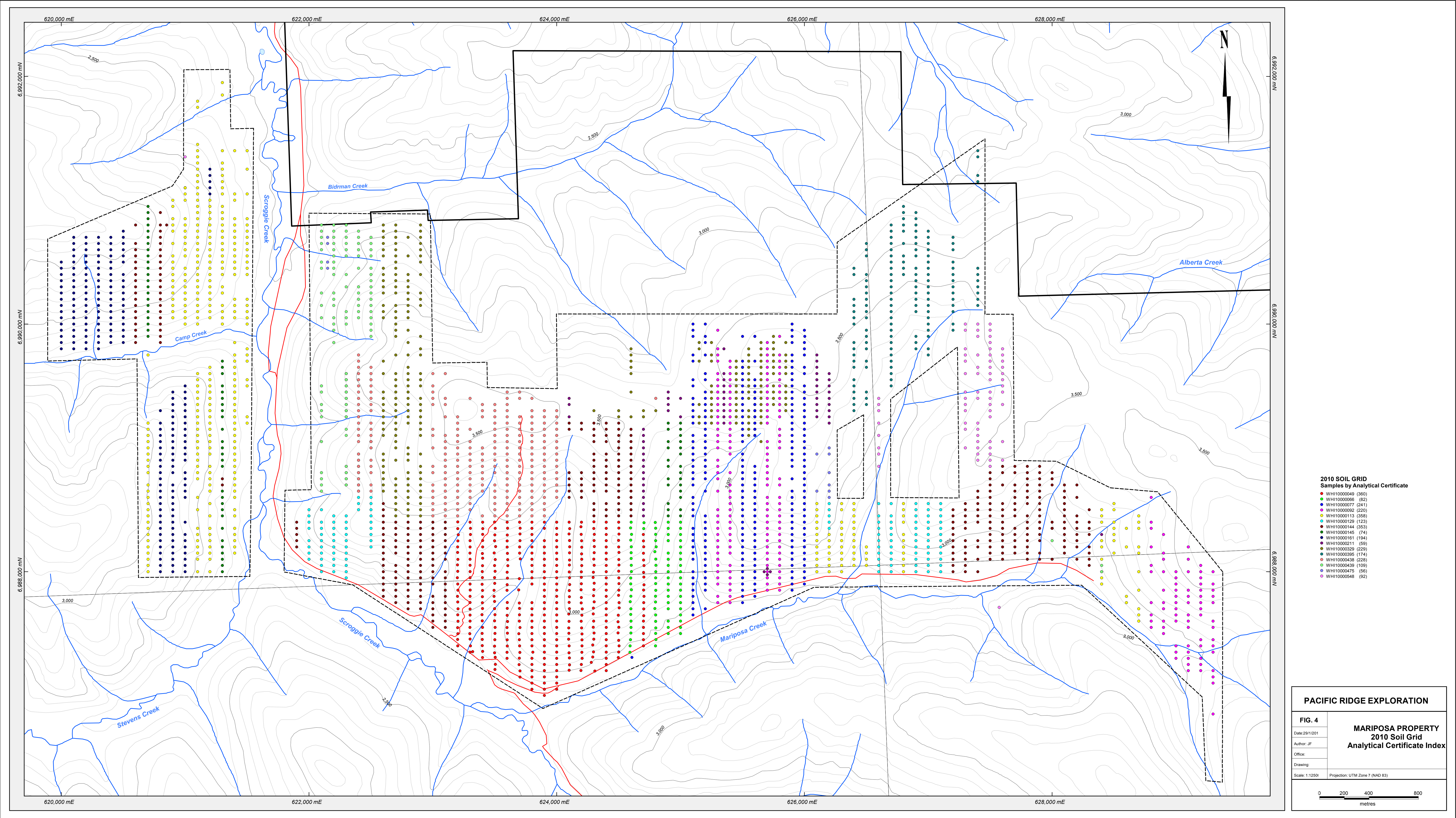
Report Date: October 26, 2010

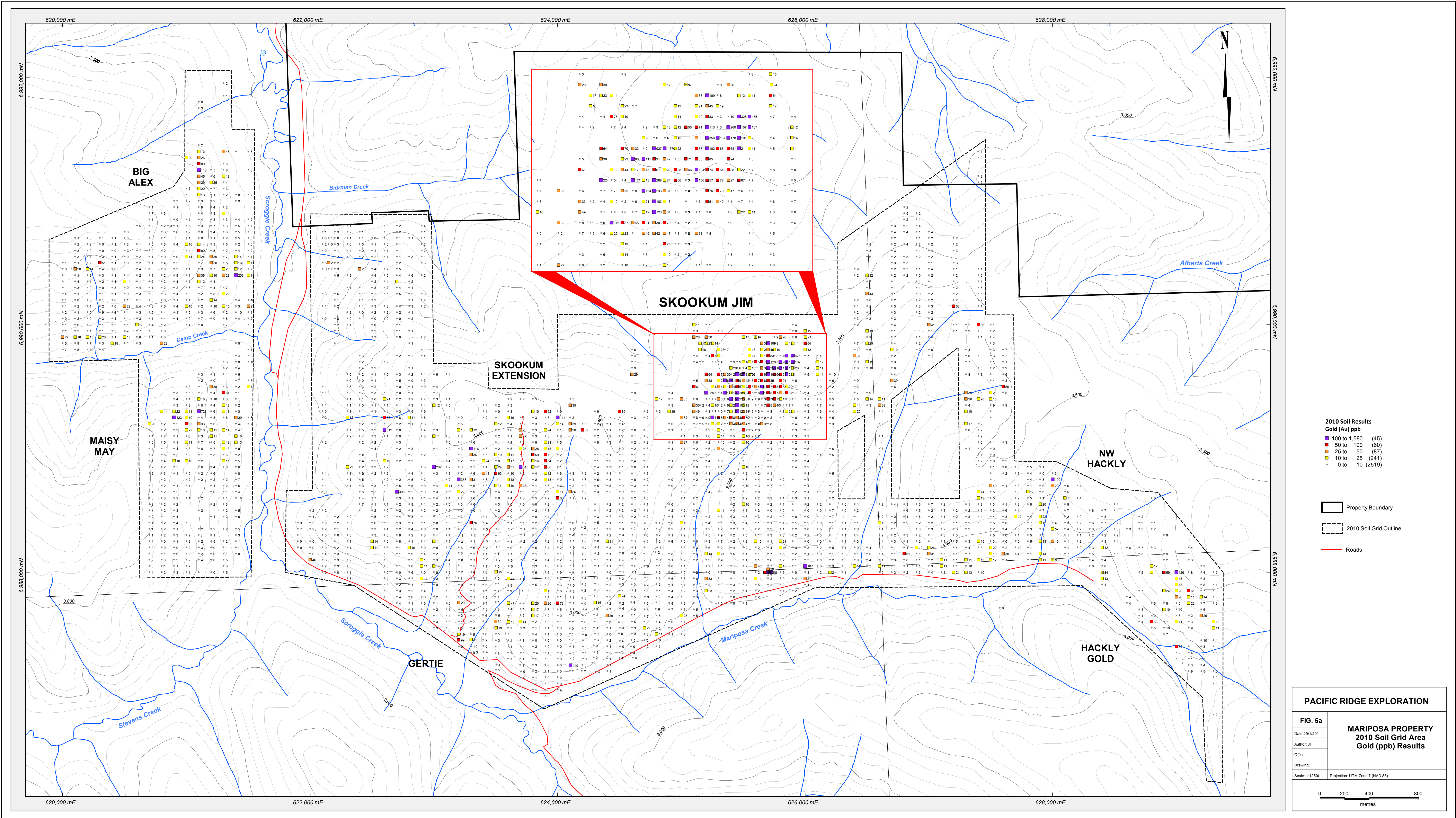
Page: 1 of 1 Part 2

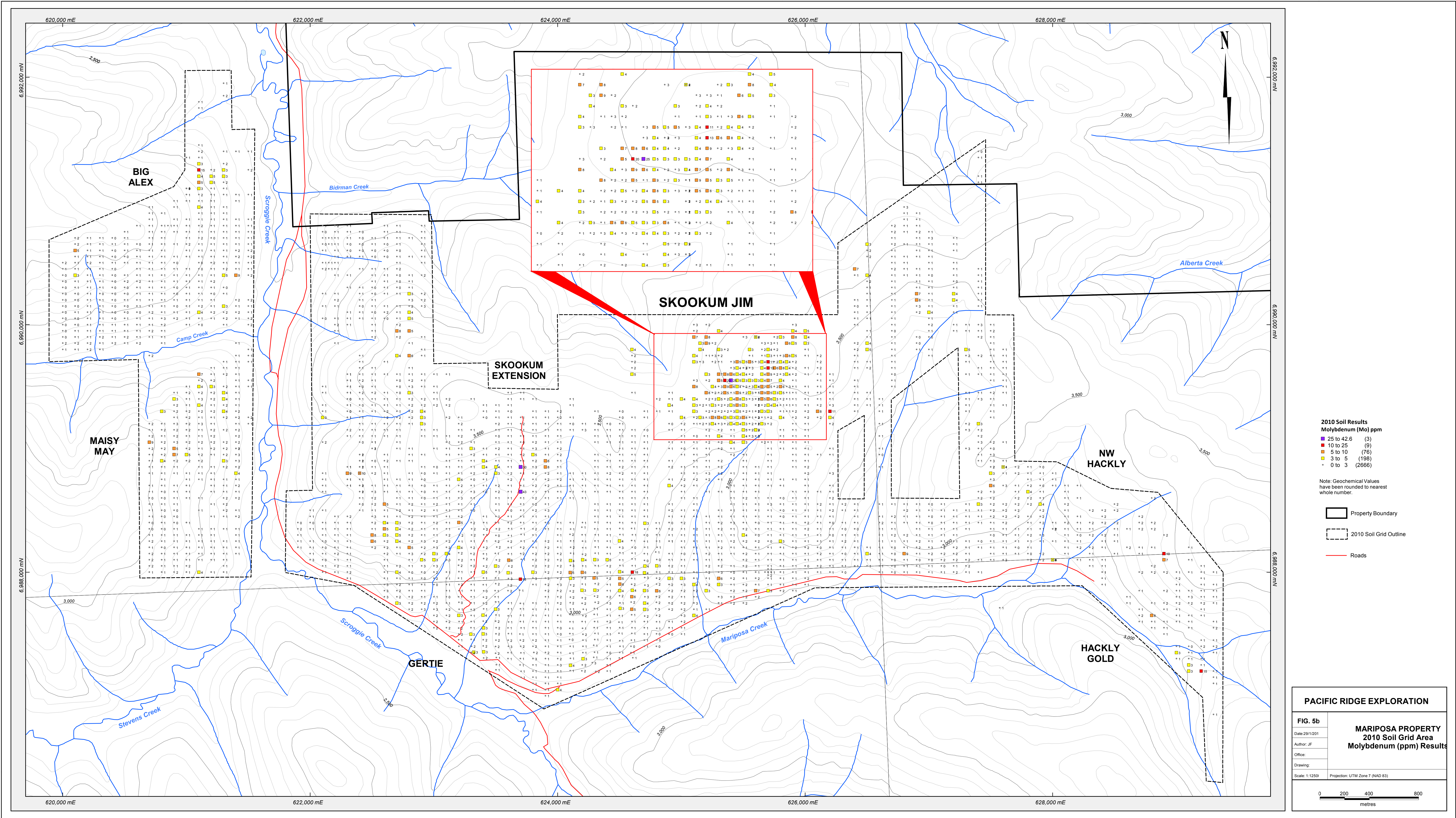
QUALITY CONTROL REPORT

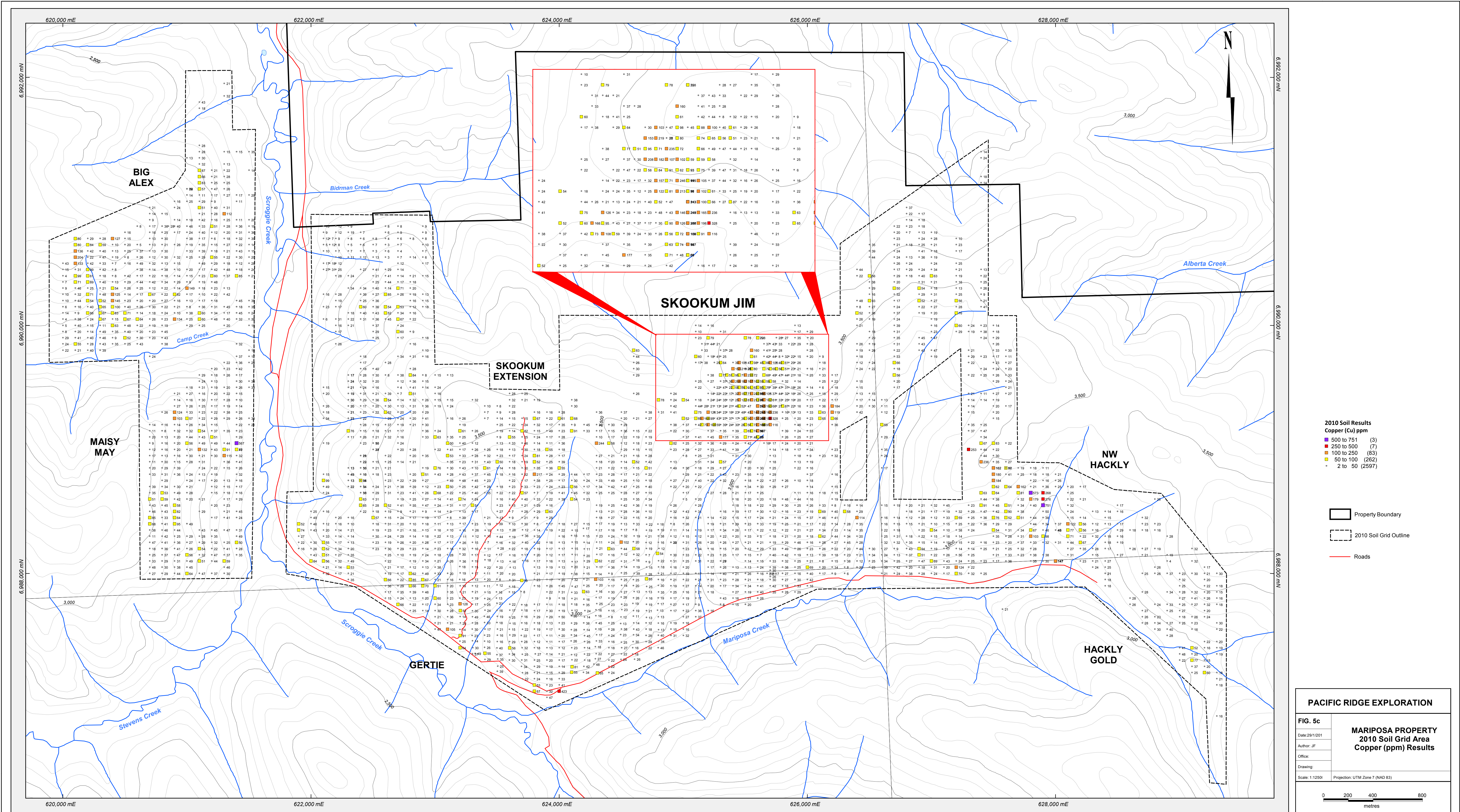
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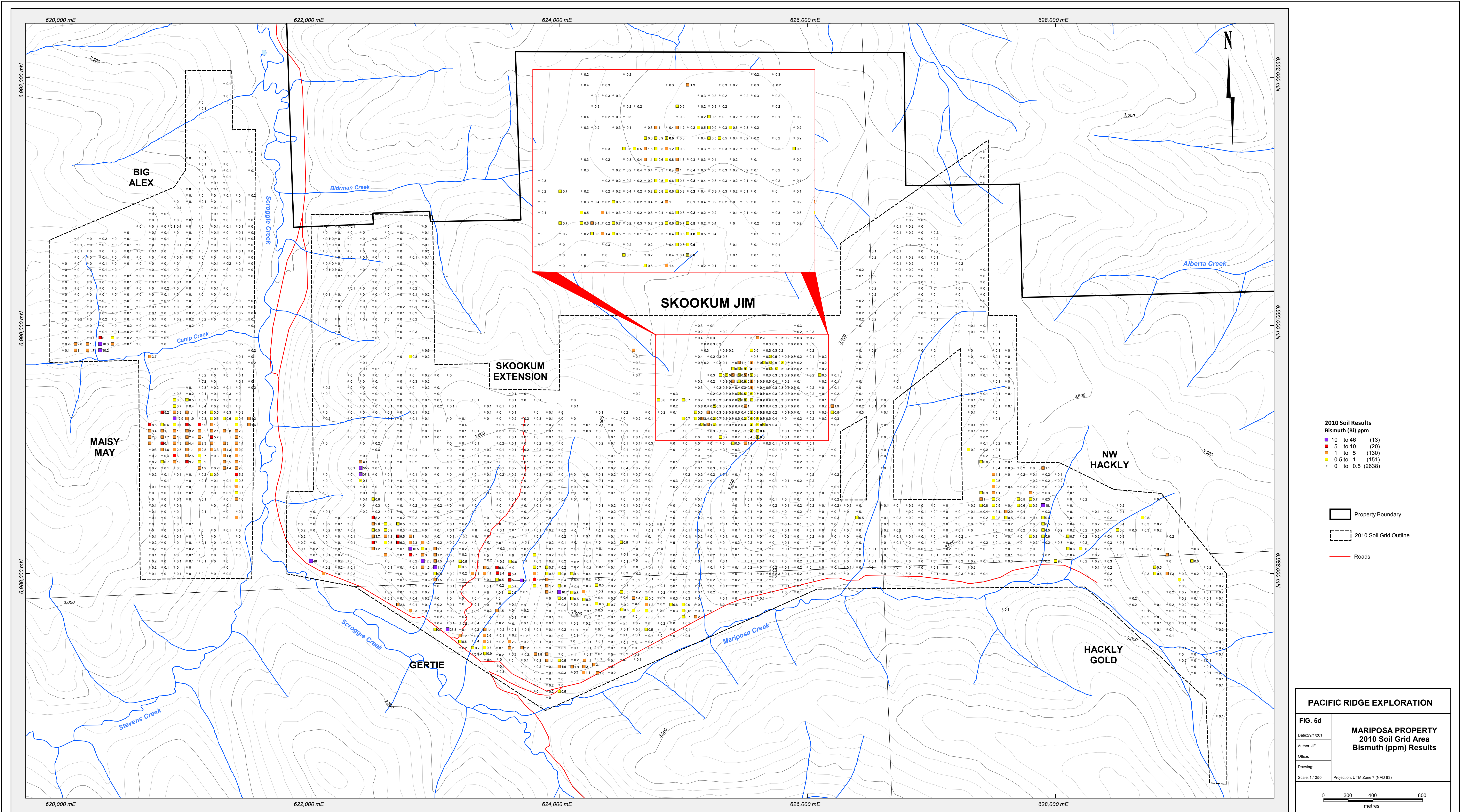
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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
MT4-17	Soil	22	33	0.51	385	0.067	<1	1.57	0.011	0.07	<0.1	0.02	5.7	<0.1	<0.05	5	<0.5	0.2
REP MT4-17	QC	23	32	0.51	383	0.068	1	1.62	0.012	0.07	<0.1	0.03	5.6	<0.1	<0.05	4	<0.5	0.2
MT5-08	Soil	17	13	0.17	287	0.010	<1	1.42	0.005	0.09	<0.1	0.03	2.9	0.1	<0.05	3	<0.5	0.3
REP MT5-08	QC	16	13	0.16	277	0.009	<1	1.36	0.005	0.09	<0.1	0.04	2.8	0.2	<0.05	3	<0.5	0.6
27500 89700	Soil	14	28	0.79	621	0.109	<1	2.12	0.010	0.33	0.1	0.02	4.8	0.2	<0.05	7	<0.5	0.2
REP 27500 89700	QC	14	29	0.80	615	0.106	<1	2.13	0.009	0.33	<0.1	0.02	4.7	0.2	<0.05	7	<0.5	<0.2
27500 88850	Soil	13	16	1.11	181	0.070	<1	2.65	0.009	0.25	<0.1	0.01	3.1	0.2	<0.05	8	<0.5	<0.2
REP 27500 88850	QC	13	17	1.13	183	0.077	<1	2.65	0.008	0.25	<0.1	0.01	3.2	0.2	<0.05	8	<0.5	<0.2
27400 88950	Soil	9	24	1.10	317	0.181	<1	2.06	0.018	0.35	0.2	0.01	3.0	0.3	<0.05	6	<0.5	<0.2
REP 27400 88950	QC	10	24	1.16	329	0.178	2	2.14	0.019	0.36	0.2	0.02	3.1	0.3	<0.05	7	<0.5	0.3
25600 89200	Soil	22	18	0.45	191	0.066	1	1.54	0.007	0.28	0.3	0.01	3.0	0.2	<0.05	6	0.5	<0.2
REP 25600 89200	QC	24	18	0.46	194	0.069	<1	1.55	0.006	0.28	0.3	0.02	3.0	0.2	<0.05	6	<0.5	<0.2
26600 89350	Soil	35	22	0.30	218	0.046	<1	1.11	0.007	0.12	<0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
REP 26600 89350	QC	35	22	0.29	220	0.049	<1	1.10	0.006	0.12	<0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
MT4-01	Soil	23	34	0.51	389	0.056	1	1.41	0.009	0.05	<0.1	0.04	5.2	<0.1	<0.05	4	<0.5	0.3
REP MT4-01	QC	23	34	0.51	399	0.058	1	1.44	0.009	0.05	<0.1	0.04	5.3	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	13	201	1.02	381	0.121	34	0.97	0.086	0.44	3.6	0.20	2.2	4.1	0.21	5	3.4	1.8
STD DS7	Standard	12	198	0.98	379	0.125	36	0.94	0.088	0.43	3.4	0.22	2.2	3.8	0.11	5	3.2	1.0
STD DS7	Standard	13	200	1.01	386	0.117	36	0.96	0.087	0.46	3.6	0.21	2.4	3.9	0.18	5	3.2	1.1
STD DS7	Standard	13	209	1.02	387	0.124	38	1.01	0.088	0.46	3.6	0.22	2.6	4.1	0.20	5	3.3	1.3
STD DS7	Standard	14	201	1.02	365	0.122	37	1.02	0.106	0.47	3.6	0.21	2.6	4.2	0.21	5	2.7	1.3
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

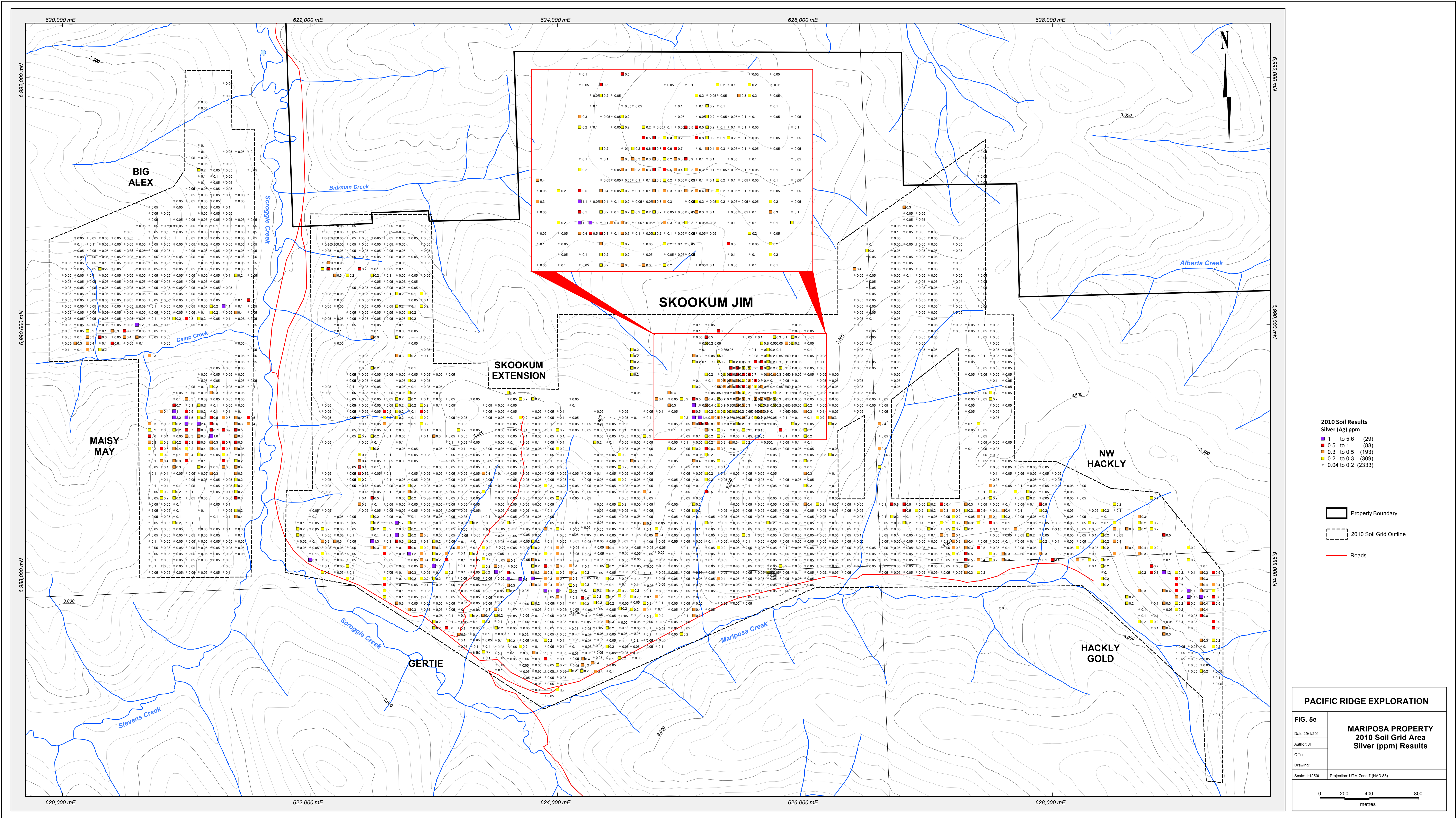


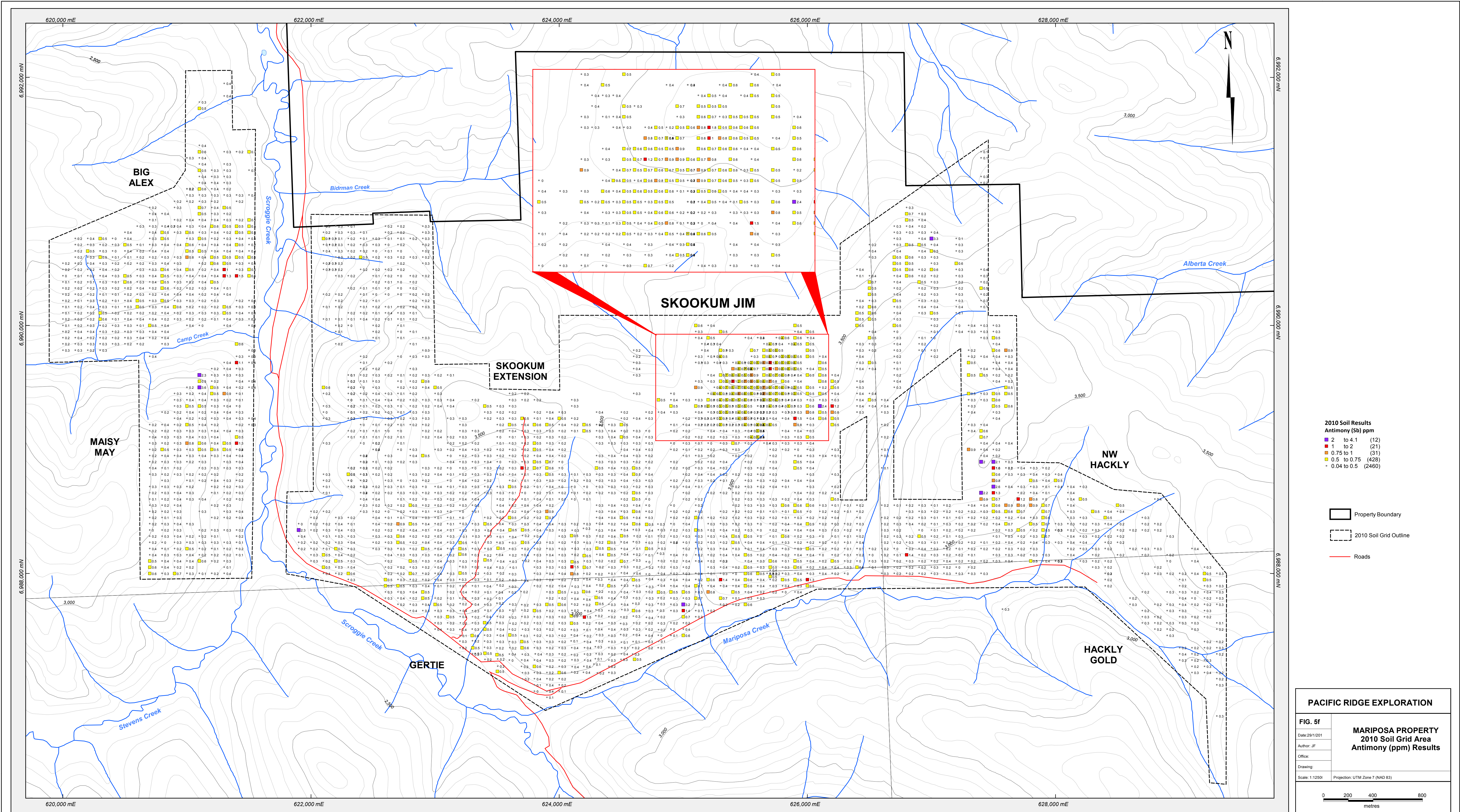


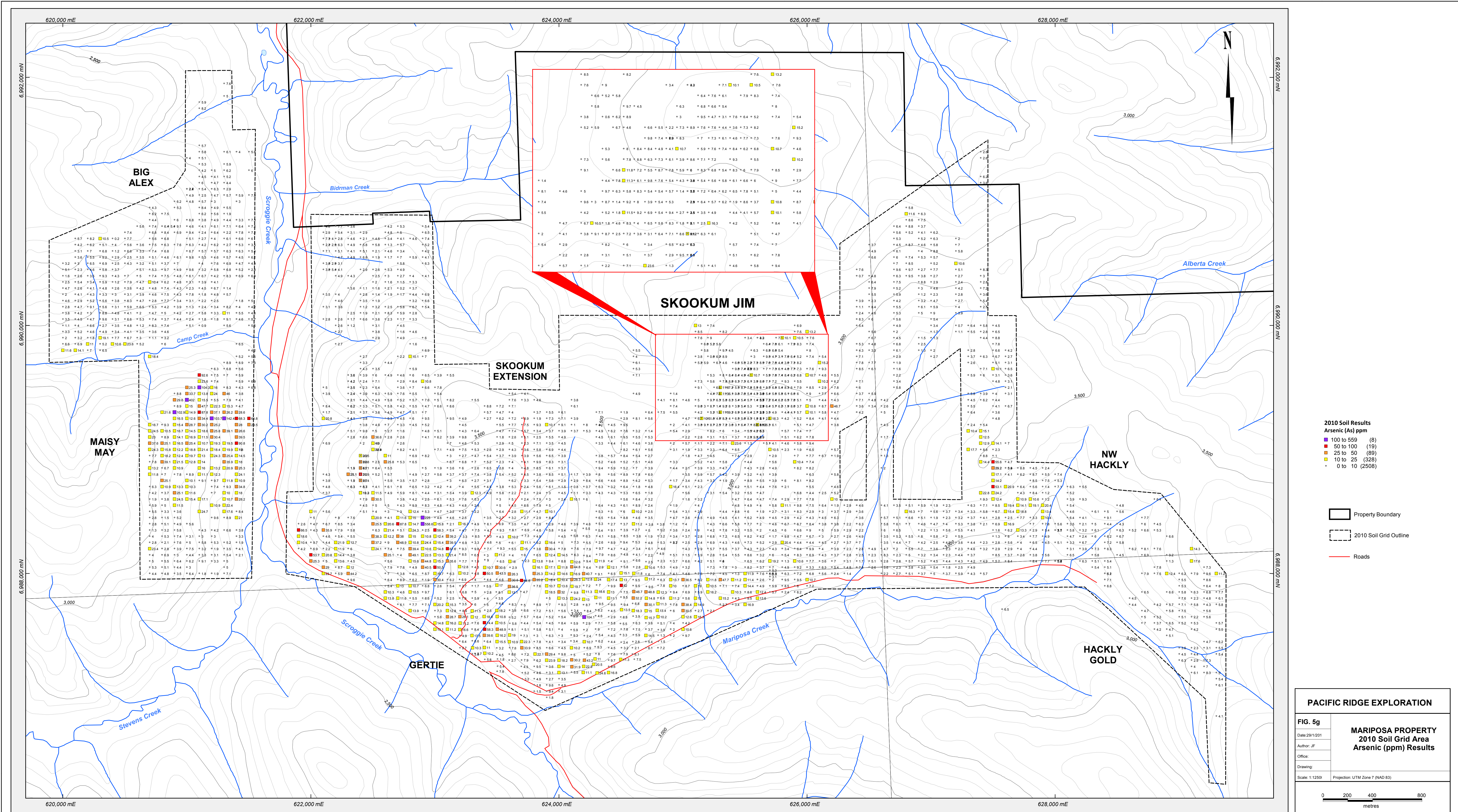


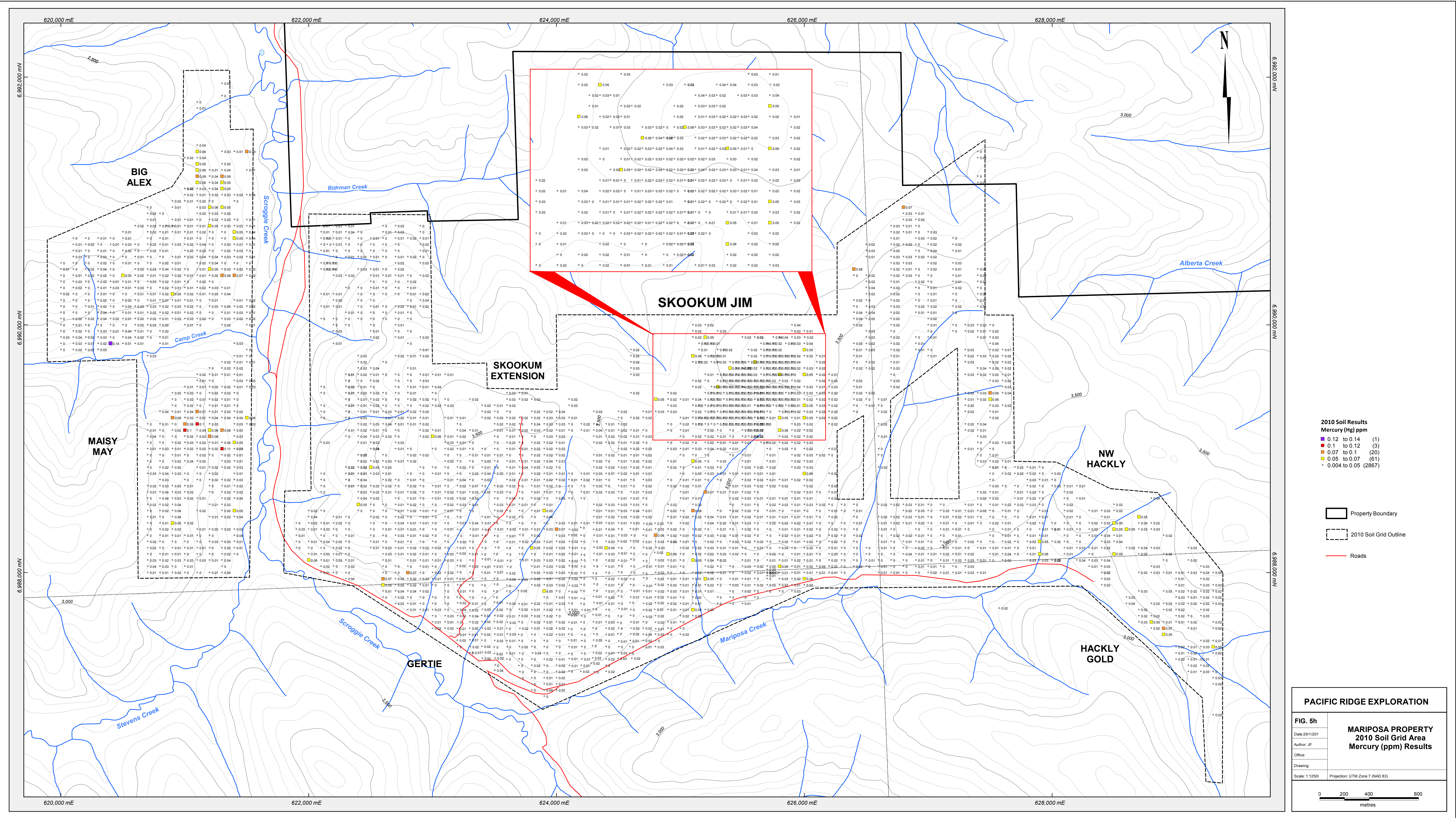


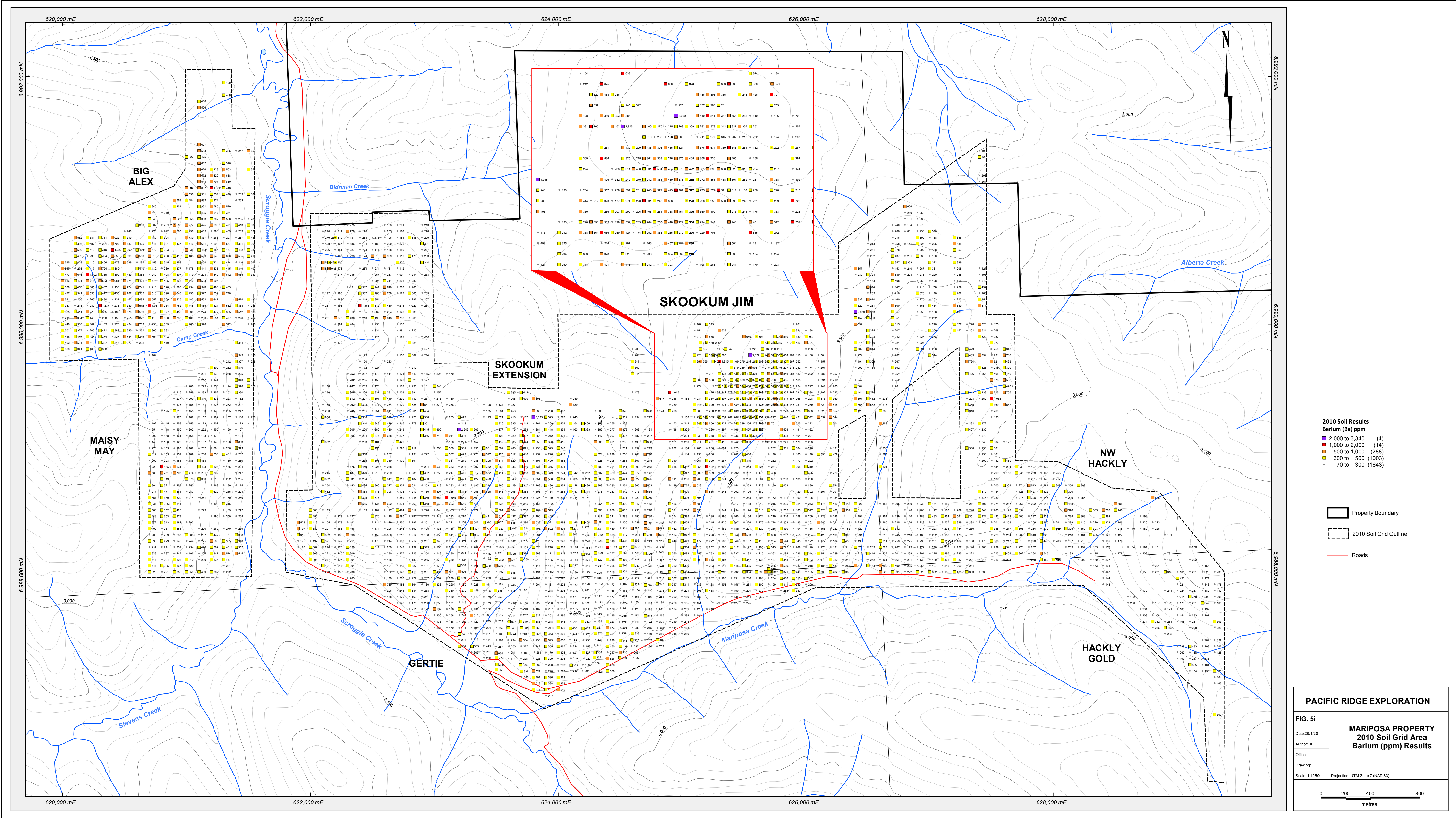












2010 Soil Results
Barium (Ba) ppm

- 2,000 to 3,340 (4)
- 1,000 to 2,000 (14)
- 500 to 1,000 (288)
- 300 to 500 (1003)
- 70 to 300 (1643)

Property Boundary

2010 Soil Grid Outline

Roads

PACIFIC RIDGE EXPLORATION

FIG. 5i

Date: 29/1/201

Author: JF

Office:

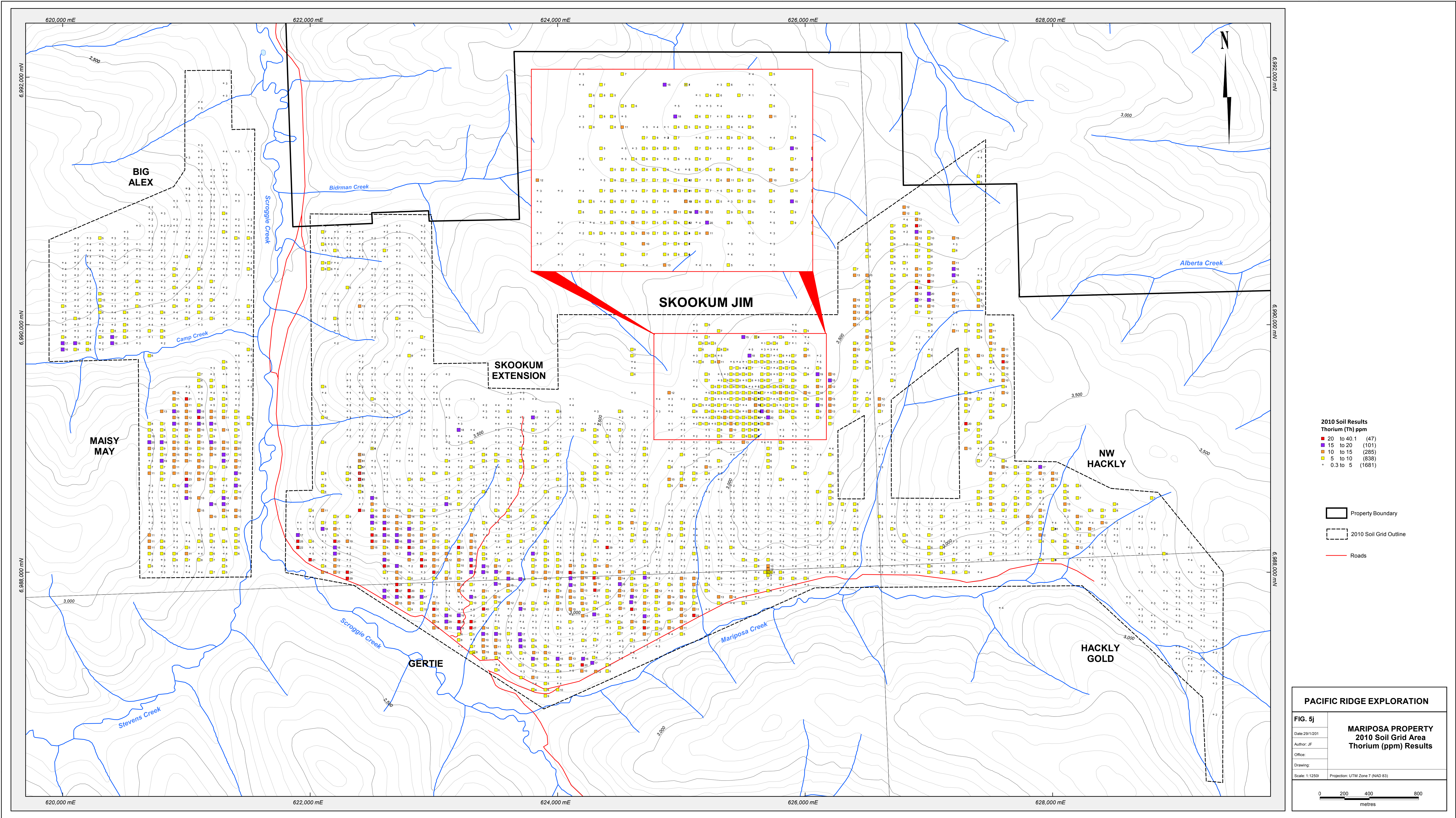
Drawing:

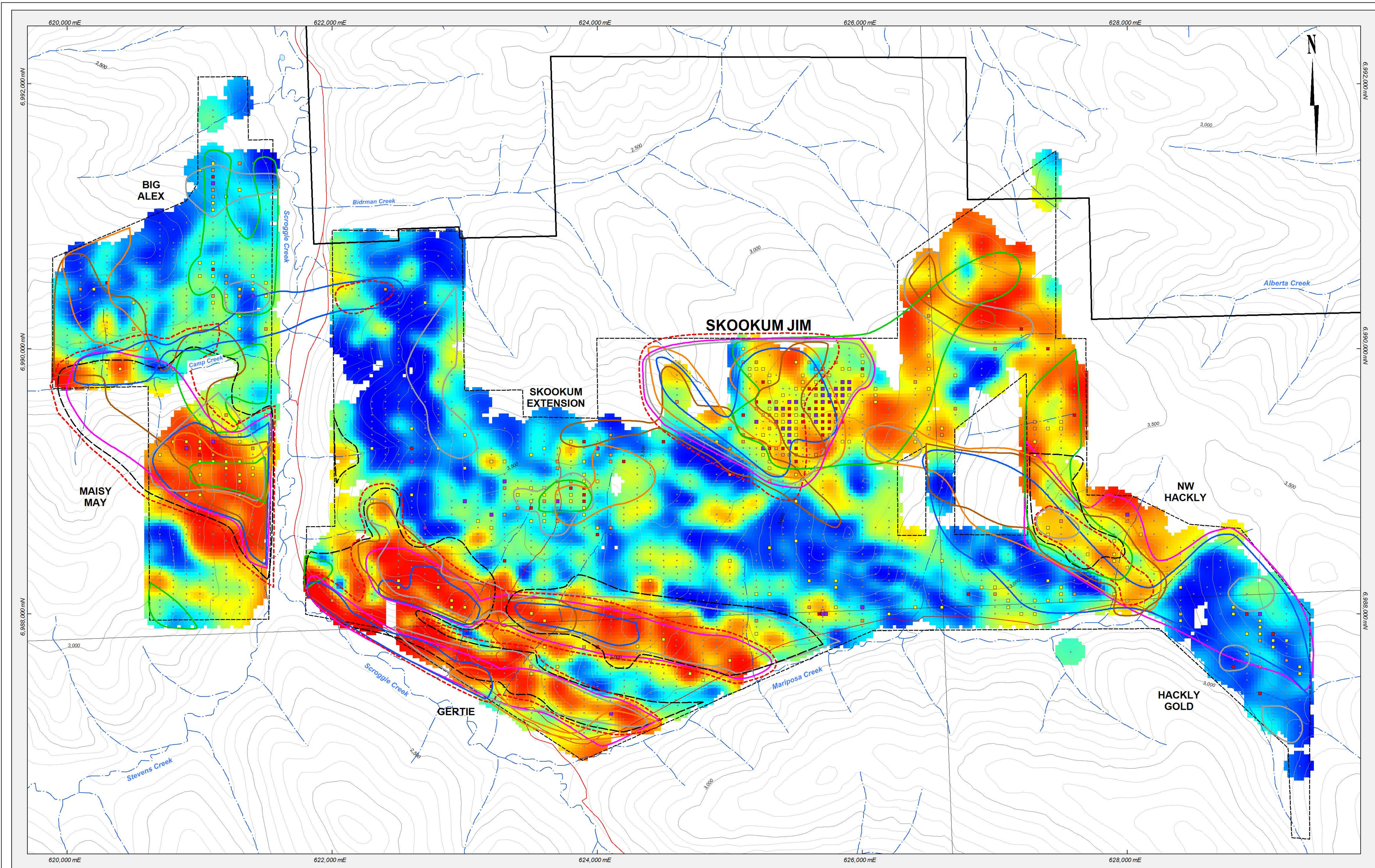
Scale: 1:12500

Projection: UTM Zone 7 (NAD 83)

MARIPOSA PROPERTY
2010 Soil Grid Area
Barium (ppm) Results

0 200 400 800 metres





Geochemical Soil Trends

- Antimony
- Arsenic
- Bismuth
- Copper
- Lead
- Molybdenum
- Silver

2010 Soil Results
Gold (Au) ppb

100 to 1,580	(45)
50 to 100	(60)
25 to 50	(87)
10 to 25	(241)
0 to 10	(2519)

DISPLAYED ON GRIDDED THORIUM SOIL RESULTS

- Property Boundary
- 2010 Soil Grid Outline
- Roads

PACIFIC RIDGE EXPLORATION

FIG. 6	MARIPOSA PROPERTY 2010 Soil Grid Area Geochemical Trends
Date: 29/1/2011	
Author: JF	
Office:	
Drawing:	
Scale: 1:12500	Projection: UTM Zone 7 (NAD 83)

0 200 400 800 metres