

BC Geological Survey
Assessment Report
32035

2010 Soil Geochemical Sampling Program,

Mo Java Property,

Nechako River Map Area
(NTS 93F07)

Omineca Mining Division, Central British Columbia,

Latitude 53°24'N, Longitude 124°43'W

5919700N, 385900E (UTM zone 10, NAD83)

for

C.J.Greig & Associates Ltd.,

by C.J. Greig (M.Sc. P.Geo.)

February 11, 2011

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1.0 Summary of Field Program

The Mo Java property, also known as the Java property, consists of a single tenure totalling 481.85 hectares. It was staked on September 19, 2008 upon expiry of a mineral tenure held by a different tenure holder, and was staked for its potential to host a porphyry molybdenum deposit. A previous soil sampling program on the property, undertaken in the mid 1990's by Kennecott Canada Exploration, outlined a roughly 1 km x 1km Mo-in-soil geochemical anomaly, and the present program was undertaken to confirm the presence and tenor the anomaly, as well as provide infill sampling.

In mid-August 2010, a five person crew consisting of Roy and Mairi Greig, Nicholas “Hardcore” Harrichhausen, Neil “the Prowser” Prowse, and James “Candyman” Olson, who were based at a logging road trailer-camp nearby, collected a total of 179 soil samples. The results confirmed the presence and tenor of the Kennecott soil geochem anomaly and the combined results, particularly in light of the fact that this property has known stockwork molybdenum mineralization and has never been drilled nor had an IP survey over it, are very encouraging. The soil geochemical anomaly measures approximately 1 km x 1 km, and it is largely underlain by altered and veined intrusive rocks and their associated contact aureole. The size and tenor of the geochemical anomaly, with common +10 ppm molybdenum-in-soil values, and the common presence of outcrops of veined and altered intrusive rocks and adjacent hornfels, suggests that the property has excellent potential to host a significant porphyry molybdenum deposit. This conclusion is supported by the presence of a coincident broad airborne magnetic high, and by the presence, less than 10 km to the southeast along geological trend, of the Chu molybdenum deposit, which has been the focus of considerable recent exploration by TTM Resources Inc., and which yielded soil geochemical results of similar tenor in the early days of its exploration.

Further work on the property is highly recommended. It should be undertaken in a two-stage program based out of a camp on the property. The initial work should consist of line-cutting, with

establishment of a 30 line-km cut and chained grid, upon which an Induced Polarization (IP) and ground magnetometer (Mag) survey should be conducted, along with further soil geochemical sampling. If the results of this survey are considered favourable, a diamond drilling program should be considered.

2.0 Location, Access, Physiography, Climate and Vegetation

The Mo Java property, located in the Yamanouchi Mining Division of central British Columbia, lies along the western flank of the Nechako Mountains, approximately 85 kilometres southwest of Vanderhoof, B.C.(fig. 1). The Nechako Ranges make up part of the Nechako Plateau, a broad physiographic region in central British Columbia generally typified by thick overburden and forest cover and little outcrop exposure. Near the heights of the Nechako Ranges, however, and on the Mo Java property, the outcrop is at least locally more plentiful and the overburden generally thinner. Elevations in the immediate area of the property exceed 1600 metres, while elevations on the property range from slightly less than 1180 meters on the south to over 1500 meters on the north.

Access to the Mo Java property is excellent (figs.2-3). It can be reached by a good system of logging roads from Hwy. 16 at Vanderhoof, which is a full-service community of approximately four thousand people. The last several km's of logging roads onto the property however, have been deactivated and would need modification for direct day-to-day pickup truck access.

The area of the Mo Java property experiences moderate to hot summers and cold winters. Temperatures typically range between 5°C and 35°C in summer and -30°C and -10°C in the winter. Precipitation is lowest in the spring months and snow accumulations in winter can exceed 1.5m. Vegetation consists of merchantable stands of lodgepole pine at lower elevations and moderately dense pine, spruce and balsam fir at higher elevations. A relatively small part of the property at lower elevations and on which the soil grid is located was logged some time in the past five years. Organic

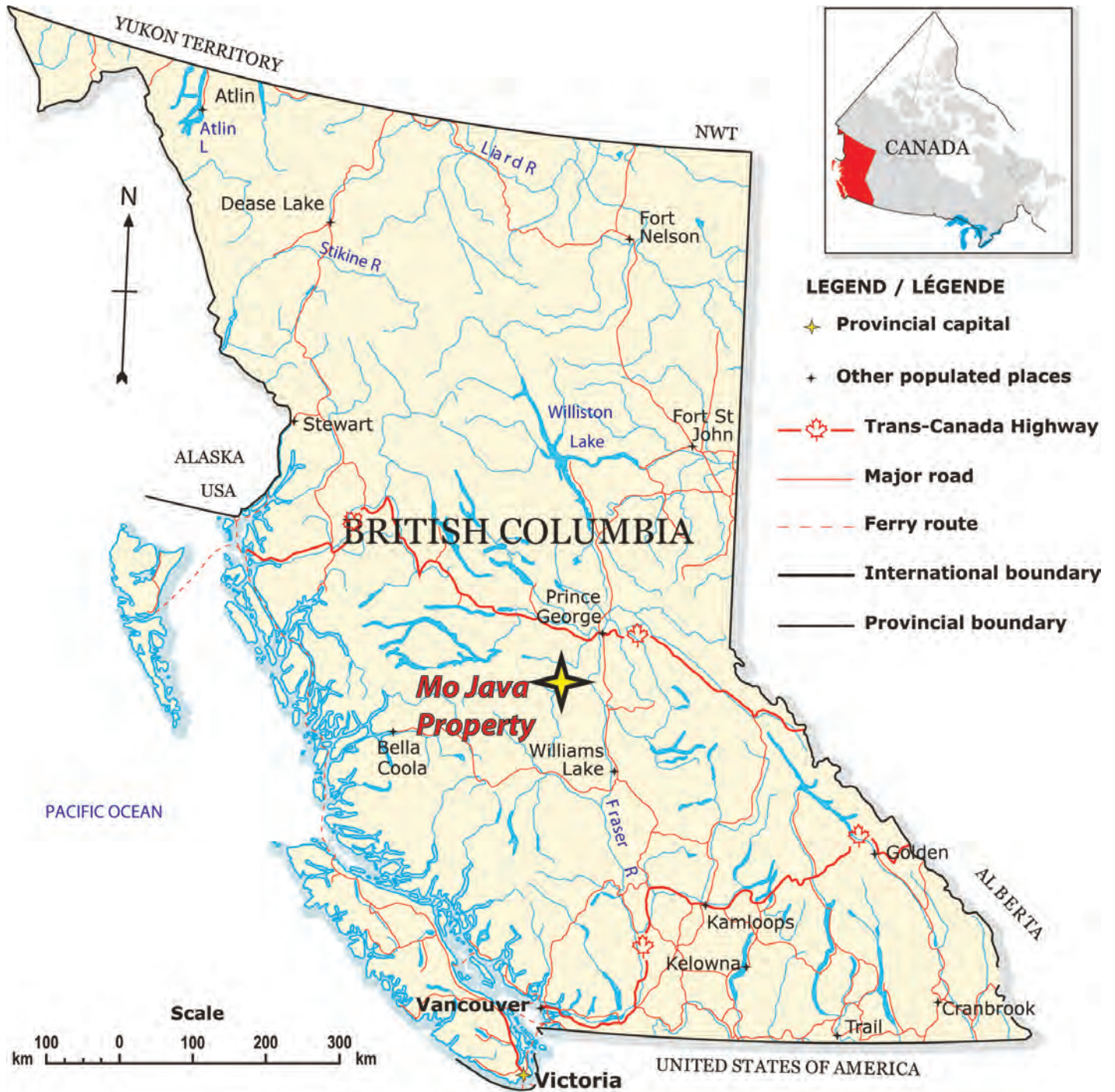


Figure 1. Location of the Mo Java property, central British Columbia.

bogs and swamps provide rare clearings for helicopter access, even at higher elevations. Outcrops occur locally but in general are not plentiful.

3.0 Claims

The property consists of one claim (MTO tenure no. 591640, the “Mo” claim; fig. 2) encompassing an area of approximately 2.0 km (E-W) by 2.3 km (N-S), for a total of approximately 482 hectares. It is entirely surrounded by claims held under option by TTM Resources Ltd. They are contiguous with TTM’s large block of claims that cover the well-known Chu molybdenum property, which lies less than 10 km to the southeast (figs. 2-3).

4.0 Regional Geology & Mineral Occurrences

The regional geological setting of the Mo Java property is shown in Figure 3, after Tipper (1963a, b) and Diakow et al. (1994, 1995). As was discussed by Fleming (1997), the property is underlain by rocks which are part of what has been referred to as the “Nechako Plateau,” or “Nechako Uplift,” a fifty kilometre wide “horst” of Mesozoic rocks of the Stikine terrane which are bound on the north by the northeast trending Nataalkuz fault and to the south by a poorly defined and unnamed structure which parallels the Blackwater River.

According to Fleming (1997), felsic to mafic volcanic and sedimentary rocks of the Lower to Middle Jurassic Hazelton Group predominate in the Nechako block, and they were most likely deposited as part of an island arc. Regional metamorphism of the Mesozoic rocks is at lower greenschist facies and the Mesozoic rocks display a pervasive, northwest trending regional foliation which is distinct within the uplift. Cretaceous Skeena Group conglomerate and associated sedimentary rocks that overlie the Hazelton Group rocks and which are rare in the Nechako Uplift, may have been

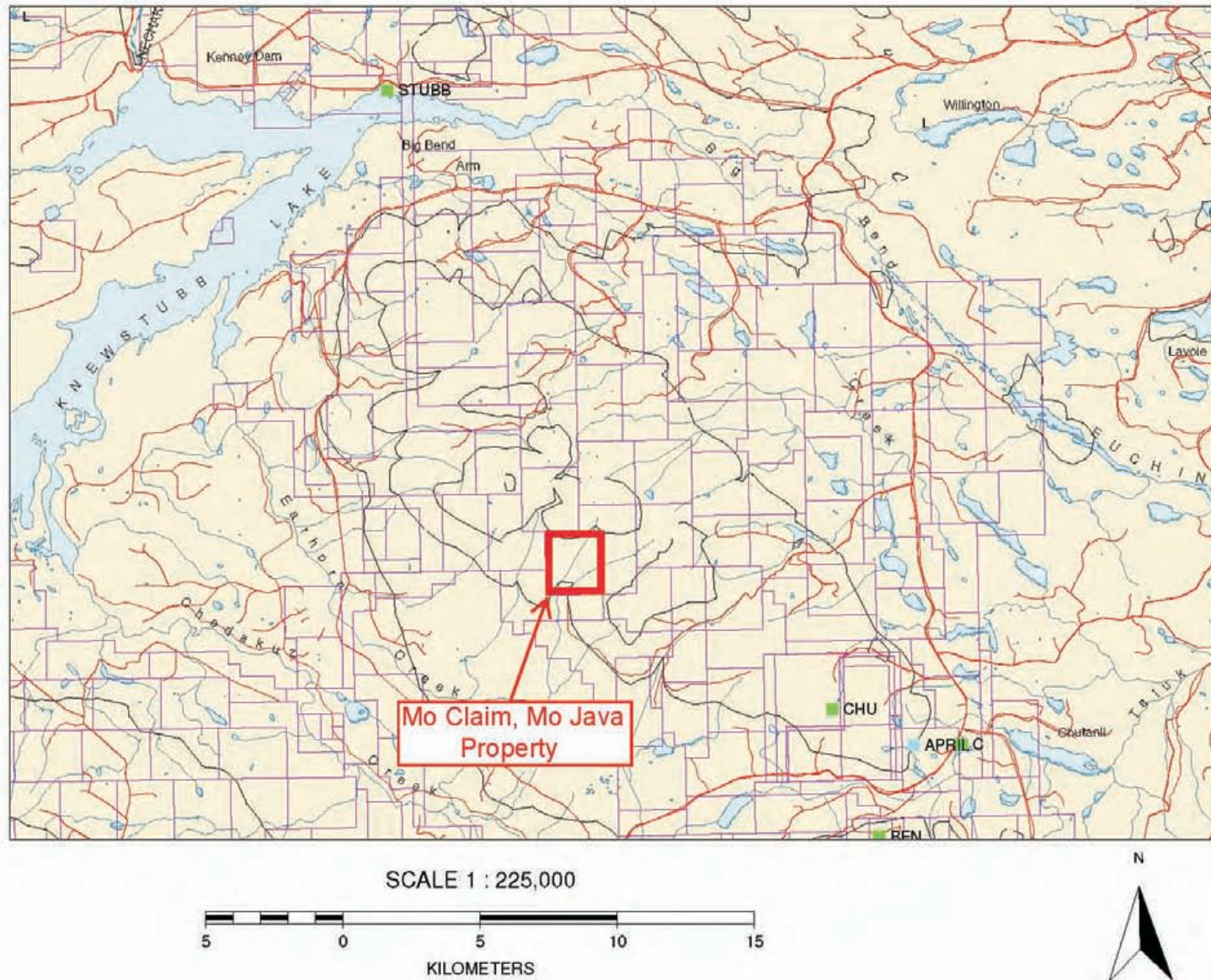


Figure 2. Location of the Mo claim, Knewstubb Lake area, central B.C.

deposited as a result of accretion of the Hazelton arc to the North American continental margin.

Continental, subduction-related volcanic rocks of the late Cretaceous Kasalka Group, as well as those of the more abundant Eocene Ootsa Lake and Endako groups are preserved marginal to the uplift in graben-like features which may reflect extensional tectonism. Plateau basalts of the Neogene Chilcotin Group are common to the south of the Blackwater River.

Again, as was noted by Fleming (1997), intrusive rocks of probable lower to middle Jurassic, early Cretaceous (141-144 ma), late Cretaceous, and Eocene (49 ma) age occur within the Nechako Plateau and, like their coeval volcanic counterparts, they reflect arc-magmatic events. Most of the intrusions in this belt can be related to known mineralization within the uplift. The most significant of the mineralizing systems within the Nechako Plateau are: 1) porphyry molybdenum (copper, gold) systems, typically spatially related to undeformed, magnetically distinct plutons, such as the Eocene Chutanli pluton (Ch,Chu occurrences); 2) volcanic-hosted epithermal gold-silver systems, typically hosted by Eocene Ootsa Group volcanic rocks (e.g., Wolf occurrence); and porphyry-related, disseminated gold-zinc-silver systems, also probably of Eocene age (Capoose and Blackwater-Davidson occurrences).

5.0 Property Geology

The following is taken from Fleming (1997), who described 1 :5,000 scale geologic mapping undertaken for Kennecott Canada Exploration on the Java (Mo Java) property. Kennecott's mapping focussed on the Java pluton and the mineralization and alteration associated with it and its contact. In general Fleming (1997) described the outcrop exposure as poor, and he noted that most geologic contacts shown on their maps were either approximated or inferred, in part with the aid of Kennecott's airborne geophysical survey.

The Java property is underlain predominantly by northwest trending, westerly dipping clastic and volcanoclastic rocks which either conformably underlie or are in fault contact with andesite flows and lapilli tuff of the Naglico Formation, a package of Middle Jurassic Hazelton Group mafic to intermediate volcanic rocks. The sedimentary rocks were also considered by Fleming (1997) to be part of the Hazelton Group, although he noted that the conglomeratic rocks were similar in appearance to conglomerates which characterize the Cretaceous Skeena Group, and were mapped as such by Diakow (1995). All stratigraphic units on the property contain a pervasive foliation which is noted as lying sub-parallel to bedding, and Fleming (1997) noted that some pelitic and fine-grained volcanoclastic rocks and fine tuffs were phyllitic. Rare bedding attitudes within the sedimentary rocks, plus the overall trend of both sedimentary and volcanic map units, suggested to Fleming (1997) that the stratified rocks were part of a northwest trending, shallowly to moderately southwest-dipping sequence.

Fleming (1997) also mapped a 500 m by 800 m, northeasterly-elongate nonfoliated biotite granodiorite to granite stock, which he referred to informally as the Java pluton. It was exposed for over 100 m in outcrop in a small tributary of Java Creek and in Java Creek itself adjacent hornfelsed sedimentary rocks were well exposed. The areal distribution of the pluton was determined by mapping of a number of isolated outcrops and float boulders in a generally low, boggy area, and the less well-constrained contacts of the pluton were partly defined by airborne magnetics and EM data, although Fleming (1997) noted that the geophysical characteristics of the northern part of the pluton may have been modified by subsequent hydrothermal alteration. Contact metamorphism, to a well-developed biotite hornfels, of the sedimentary rocks surrounding the pluton was noted at up to 500 m from the intrusive margins. The pluton appears to be localized at the intersection of a northwest trending contact between sedimentary and volcanic rocks with an inferred northeast trending fault which may have displaced the volcanic stratigraphy, most likely in a dextral sense (Fleming 1997). On the basis of textural and

compositional similarities, Fleming (1997) argued that the Java pluton might be a satellitic intrusion of the Eocene (49 Ma) Chutanli intrusion, which is located approximately 7 km south of the Java property, and is spatially and genetically associated with molybdenum mineralization at the Chu deposit. Near the inferred northern contact of the Java pluton, float boulders of intrusive rocks that are exposed in a swampy creek bed suggest that there may be a compositionally distinct more leucocratic and commonly more altered phase in that area. It appeared to Fleming (1997) to be richer in potassium feldspar and to contain miarolitic cavities.

6.0 Mineralization and Alteration

Mineralization on the Mo Java property noted by Fleming (1997) from near the southern end of the Java pluton includes widespread, quartz-pyrite-molybdenite sheeted to stockwork veins cutting granodiorite and hornfels. He also noted granodiorite-hosted gold- and bismuth-bearing, ribbon-banded, quartz-molybdenite-pyrite veins containing traces of chalcopyrite near the southernmost end of the Java pluton, vuggy white quartz veins containing clusters of pyrite, chalcopyrite, molybdenite, tetrahedrite and arsenopyrite hosted in andesite to the west of the Java intrusion, and auriferous zones of disseminated pyrite and clotted to disseminated pyrite-arsenopyrite in quartz veined and sericitized andesite to the northwest of the pluton (Fleming 1997). Near the interpreted northern contact of the pluton, Fleming (1997) noted two styles of mineralization: 1) clots and disseminations of pyrite, chalcopyrite and molybdenite in bleached and altered miarolitic granite (intriguingly, Fleming (1997) noted that the miarolitic cavities contained aggregates of pyrite, molybdenite and chalcopyrite), and 2) strongly sericitized and sulphidized biotite granodiorite with up to 30% disseminated pyrite and trace chalcopyrite.

Near the southern end of the pluton, Fleming (1997) records that quartz veins are white and rarely exceed 5 cm in width, with vein densities in this area ranging from one per metre to five per metre, but

averaging closer to one per metre. Traces of pyrite, molybdenite and rare chalcopyrite were noted along vein selvages. Grab samples from this area ranged up to 557 ppm Mo and 250 ppm As (Fleming 1997). Copper, gold and bismuth values are generally low. Similar mineralization was noted in the sparse outcrop and float farther northeast within the pluton, suggesting to Fleming (1997) that quartz-sulphide veining could be pervasive within the Java pluton.

Perhaps more significantly, Fleming (1997) noted ribbon-banded, white to vitreous, light grey quartz-sulphide veins in outcrop and as float in the creek near the southern end of the Java pluton. There, the veins, in outcrop, exceed one meter in width, and the bands of sulphides within the veins were comprised of fine grained dark grey pyrite and molybdenite with rare chalcopyrite. Fleming (1997) noted that assays ranged up to 2350 ppm Mo, 496 ppm Cu, 740 ppb Au, 80 ppm As and 158 ppm Bi.

A number of styles of alteration were described by Fleming (1997) from the Java property, including phallic (sericite-pyrite) alteration envelopes adjacent to sheeted and stockwork quartz veins within the Java pluton, pervasive sericite alteration in one outcrop of strongly fractured and quartz-veined granodiorite, intense bleaching and potassic alteration of miarolitic granite in a number of float boulders from near the northwestern part of the Java pluton. Phallic alteration was only pervasive when the vein density exceeded 5-6 veins per metre.

7.0 Previous Exploration Work

There is little documented exploration work from the Mo Java property other than that which was undertaken in 1995 and 1996 by Kennecott Canada Exploration. Kennecott's work in those years, which was apparently following-up stream sediment geochemical anomalies, included an airborne geophysical survey (250 line-km; electromagnetic, magnetic and VLF data was collected), building a short ATV trail

into the property, cutting a grid (baseline and tielines) for control, and collecting soil and rock geochemical samples, the latter during the course of geological mapping on the property.

Kennecott's geological mapping and rock sampling (101 rock samples from outcrop and float) demonstrated that the anomalous stream sediment and soil geochemical anomalies originating on the Mo Java property were associated with a significant porphyry molybdenum mineralizing system, while their airborne geophysical survey helped to outline the extent of the various lithologic units.

The Kennecott crew collected a total of 306 "B" horizon soil samples from a flagged grid with a cut baseline and tielines (surveyed with GPS for control) near the southern part of the present Mo Java property (Fleming 1997). Samples were collected every 50 metres along east-west lines which were spaced 200 metres apart. A single reconnaissance soil sample traverse with 13 soil samples was also run to the north of the grid. Although Kennecott collected conventional "B" horizon soils from the property, Fleming (1997) was careful to note that the target area in the vicinity of the Java pluton was largely covered by different types of overburden and therefore different sample mediums, including glacial till, glaciofluvial sands and gravels, talus fines and organic-rich bogs. As a consequence, Fleming (1997) suggested that care should therefore be undertaken in interpreting the results of the sampling, and that further sampling might best be undertaken in concert with mapping of the surficial geology.

Fleming (1997) recognized that contoured molybdenum-in-soil values (at 5 ppm) outlined a northerly trending area roughly 600 metres long by 200 to 500 metres wide that traversed the length of the Java pluton. He noted further that a 200 metre wide westward bulge of +20 ppm Mo-in-soil geochemistry which was coincident with well-developed quartz-sulphide veining in hornfels near the inferred contact of the pluton. The geochem "bulge," together with both well-developed Mo-in-soil geochemistry elsewhere along the plutonic contact, and with partially coincident Cu-in-soil geochemical anomalies, and locally elevated Au-in-soil values (up to 425 ppb), Kennecott outlined a 100 by 400 metre target area

more or less coinciding with the western margin of the pluton. Although generally not well correlated with gold, Kennecott found that arsenic values in soils defined two target areas, both loosely north-trending. One covered much of the western limit of the grid, and the other farther east, near the northern contact of the intrusion. In some respects, the areas of high arsenic in soils appear to represent a halo of elevated arsenic which surrounds the molybdenum-in-soil anomaly particularly along its west side, where arsenic ranges up to a high of 714 ppm. Near the inferred northern contact area, the elevated arsenic in soils, which ranges up to 422 ppm, is in part coincident with strong molybdenum-in-soil geochemistry, and gold and copper are also elevated in soil there (Fleming 1997).

According to Stephenson (2006), the area of the Mo Java claim has seen “sporadic to intense exploration,” depending on the price of molybdenum, since the discovery of the Chu deposit by RioTinto in 1979. Stephenson (2006) noted that there had been little recorded exploration work in the area of the claims, although he also noted that the area had been held near-continuously since that time.

In 2006, Stephenson (2006) spent one day on the property, utilizing a helicopter to undertake “spot” reconnaissance geological mapping and rock sampling, with a focus “on identifying the presence of the rocks...favourable to mineralization.” Presumably Stephenson’s (2006) aim was to investigate the potential of the Java hydrothermal system for precious metals because he collected six rock samples from the property, several of which yielded anomalous arsenic and molybdenum, yet he concluded that the results: “show(ed) no anomalous precious metal values in the intrusive or the volcanics, however the rock types were favourably comparable to those at the Chu Showing,” and he later dropped the property.

8.0 C.J. Greig & Associates Ltd. 2010 Program

8.1 Soil Geochemical Sampling

Work in 2010 was limited to a single day, with five samplers whose focus was on infill sampling between the Kennecott sample lines. The aim was to confirm the presence of the Mo-in-soil anomaly and to demonstrate its continuity. Five east-west lines were sampled at 25 metre sample spacings across the trend of the Kennecott soil anomaly. Soil sample locations are shown in Figure 4 and GPS data are given in Appendix I. A total of 179 soil samples were collected, including 12 sample blanks (Appendices II-III). Seventy samples returned values greater than 5 ppm molybdenum, with 35 samples yielding greater than 10 ppm molybdenum, and a high of 58 ppm molybdenum (fig. 5). Copper values were generally lower than 100 ppm, with only four values exceeding 100 ppm and a high of 410 ppm. As was the case with the Kennecott sampling, arsenic along the western margin of the grid was strongly elevated. The high was 617 ppm As, and seventeen samples yielded greater than 100 ppm (figs. 6-8). The samples were not analyzed for gold, but locally elevated gold-in-soil geochemistry in that area reported by Kennecott (Fleming 1997), suggests the potential for some precious metals in the system.

The combined soil geochemical data sets from the 2010 and 1996 sampling programs show a close correspondence between Mo-in-soil geochemistry, the contacts of the Java pluton as established by Kennecott mappers, and a well-developed airborne magnetic high. As noted by Fleming (1997), arsenic is particularly anomalous along the northwestern margin of the Java pluton, as colour contouring of the combined datasets clearly demonstrates (fig. 9).

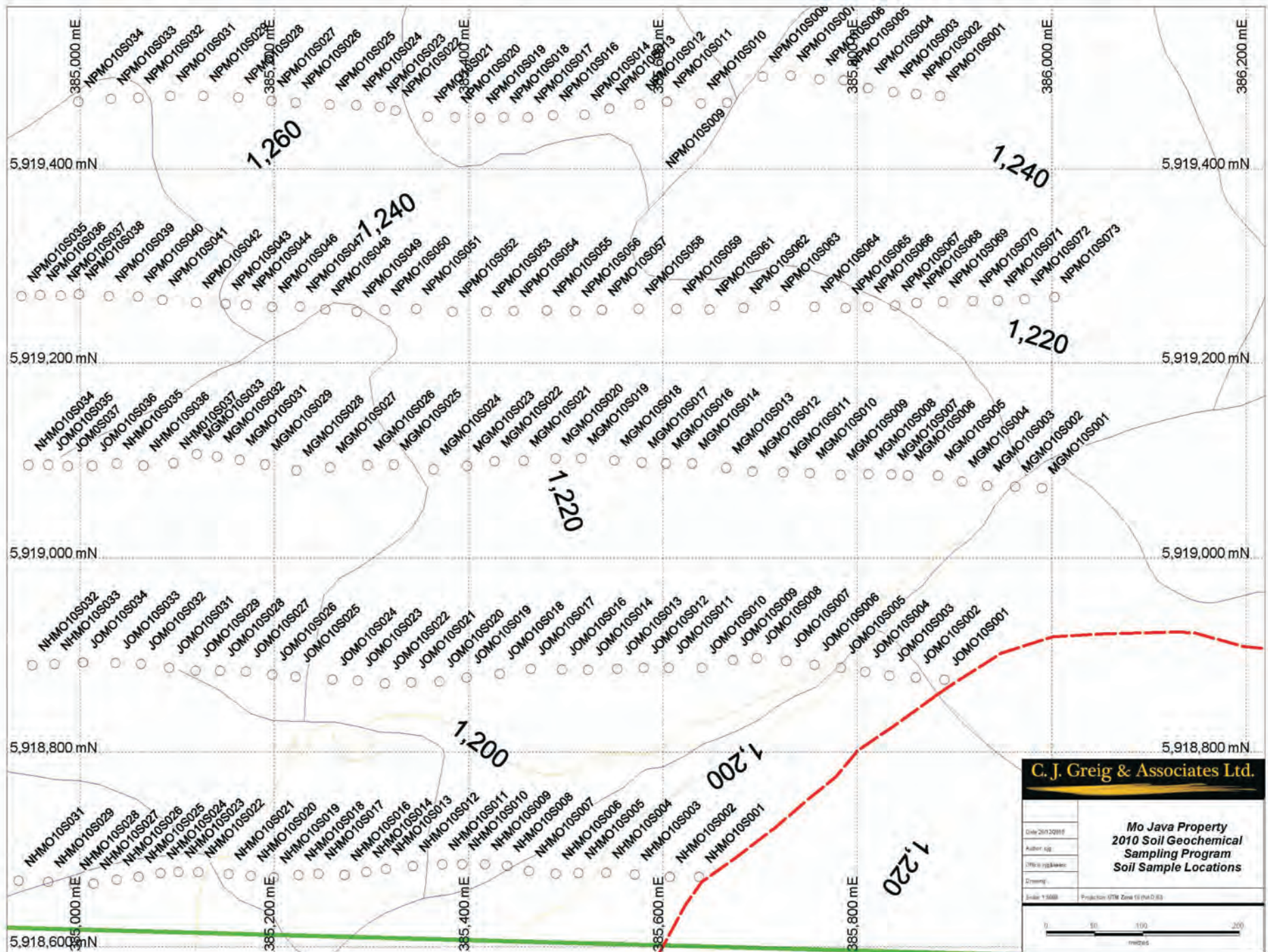


Figure 4. 2010 soil geochemical sample locations, Mo Java property, central B.C.

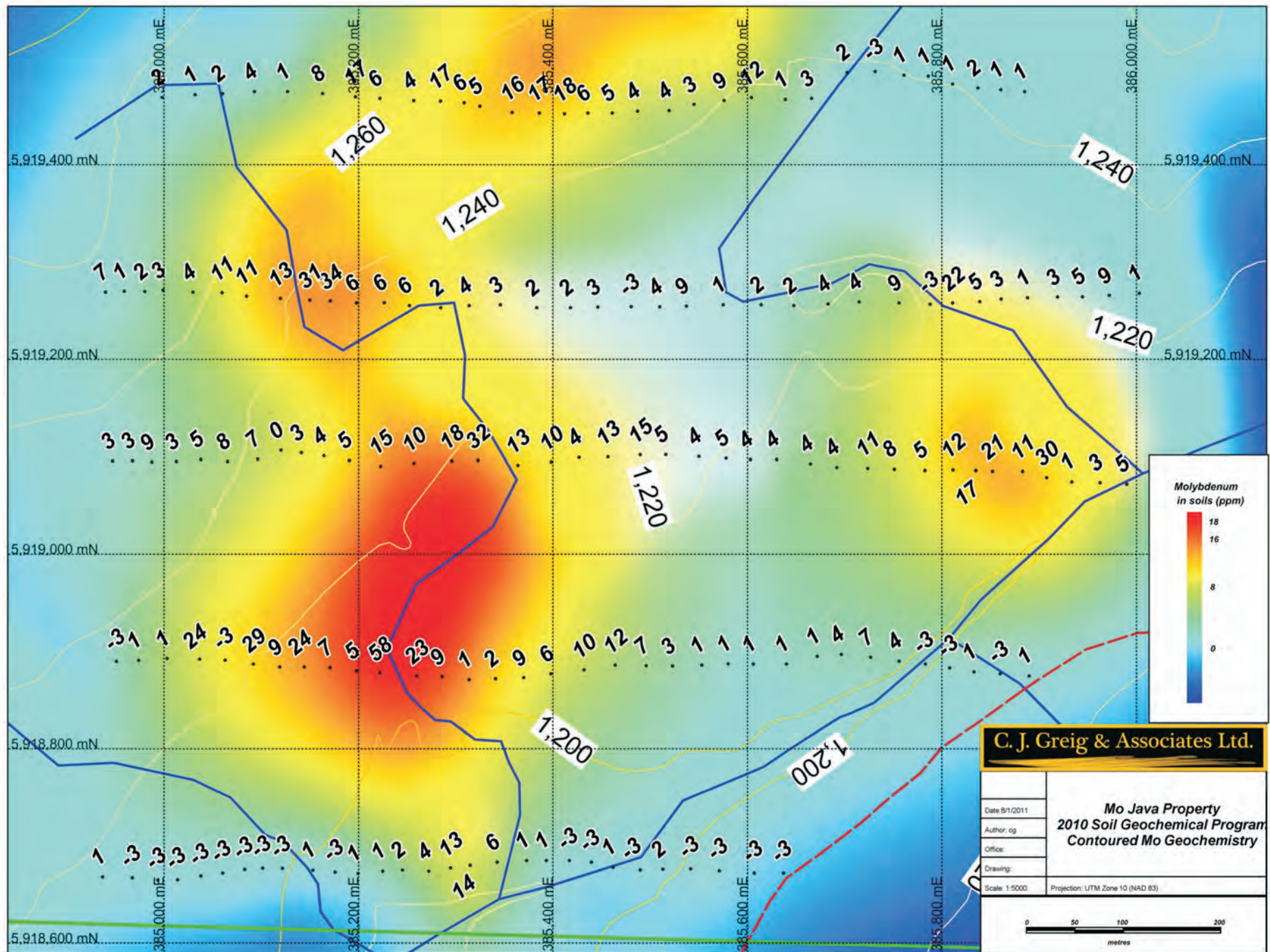


Figure 5. 2010 arsenic-in-soil geochemistry, Mo Java property, central B.C.

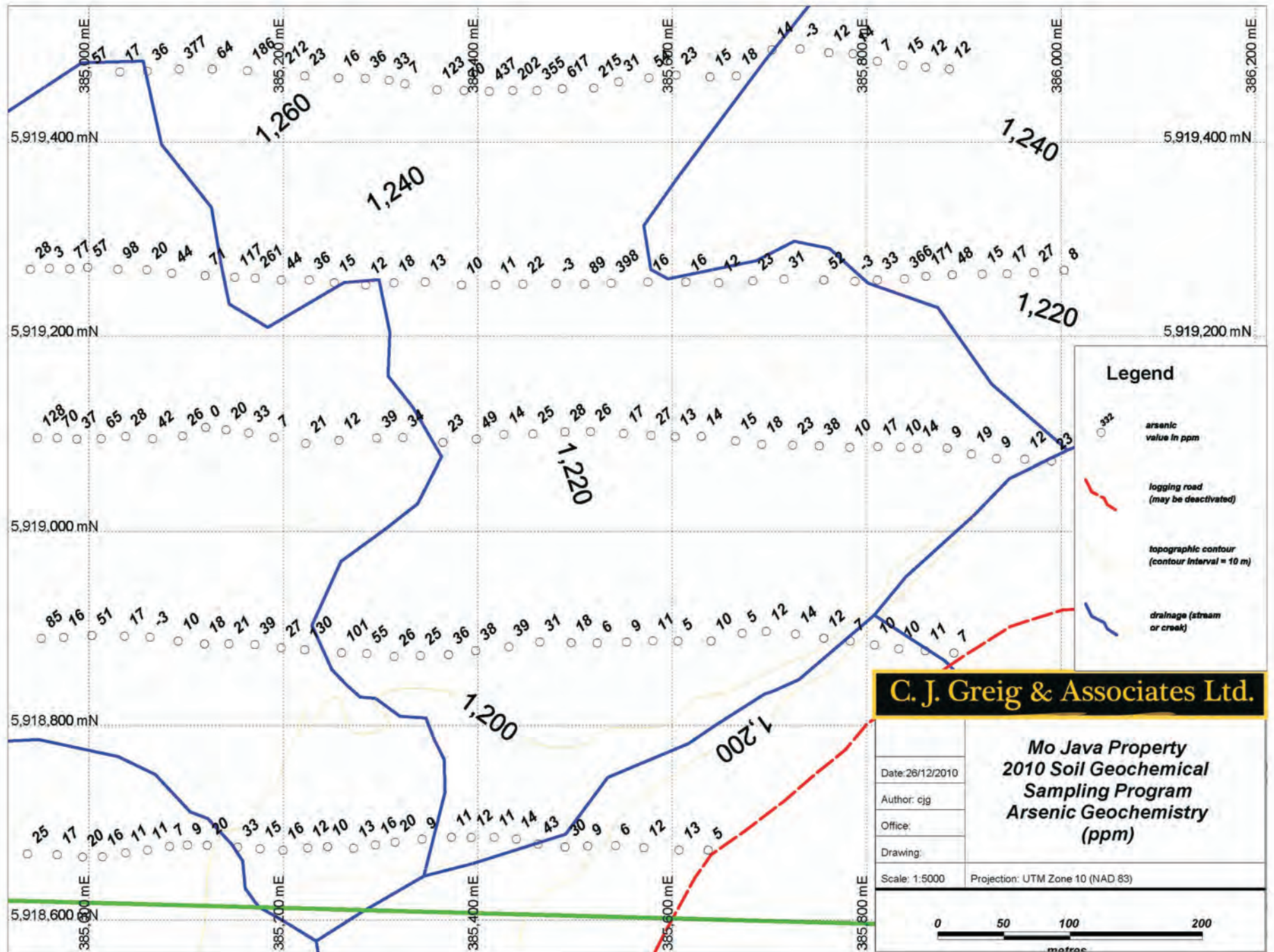


Figure 6. 2010 arsenic-in-soil geochemistry, Mo Java property, central B.C.

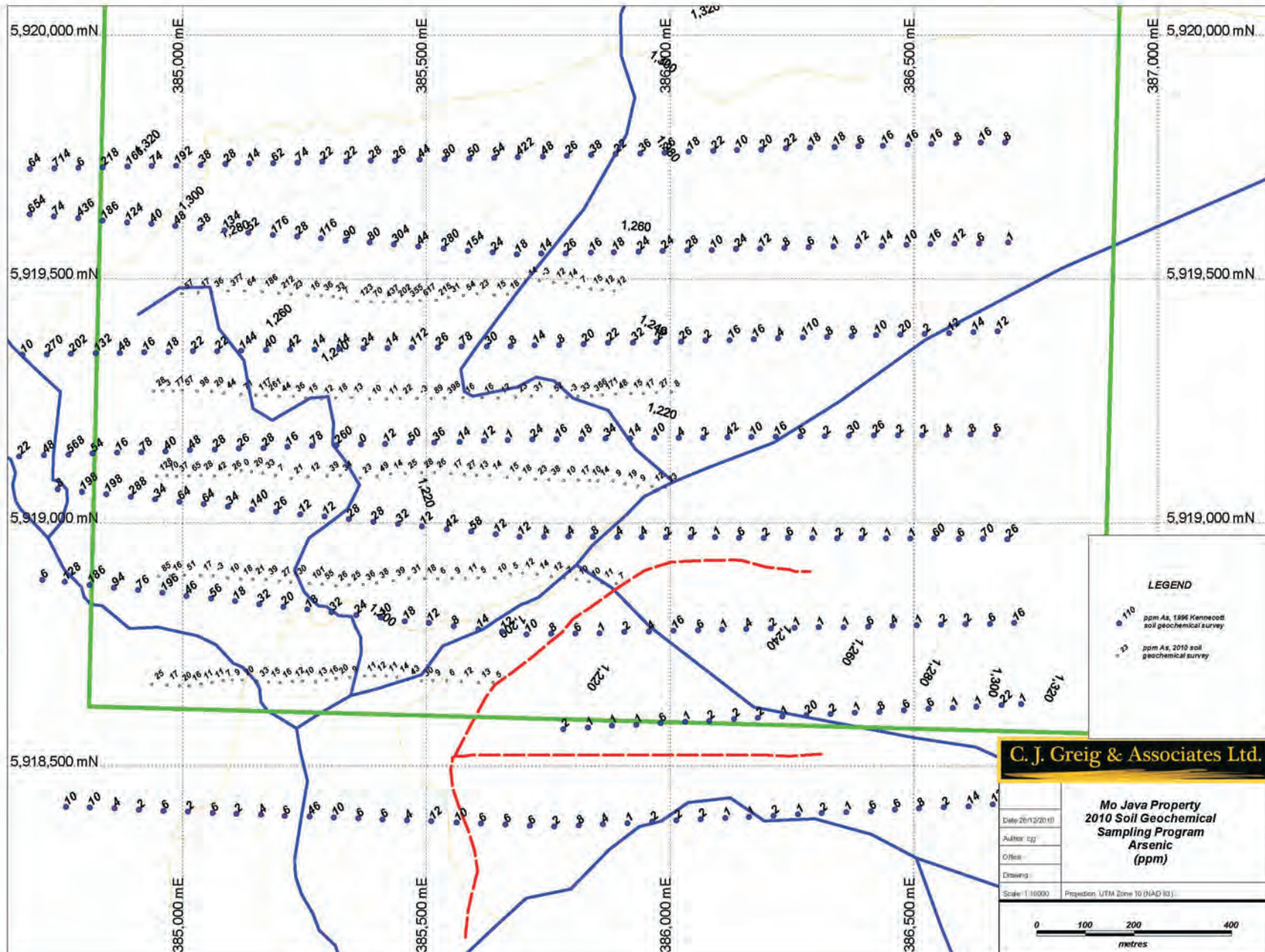


Figure 7. 1996 and 2010 arsenic-in-soil geochemistry, Mo Java property, central B.C.

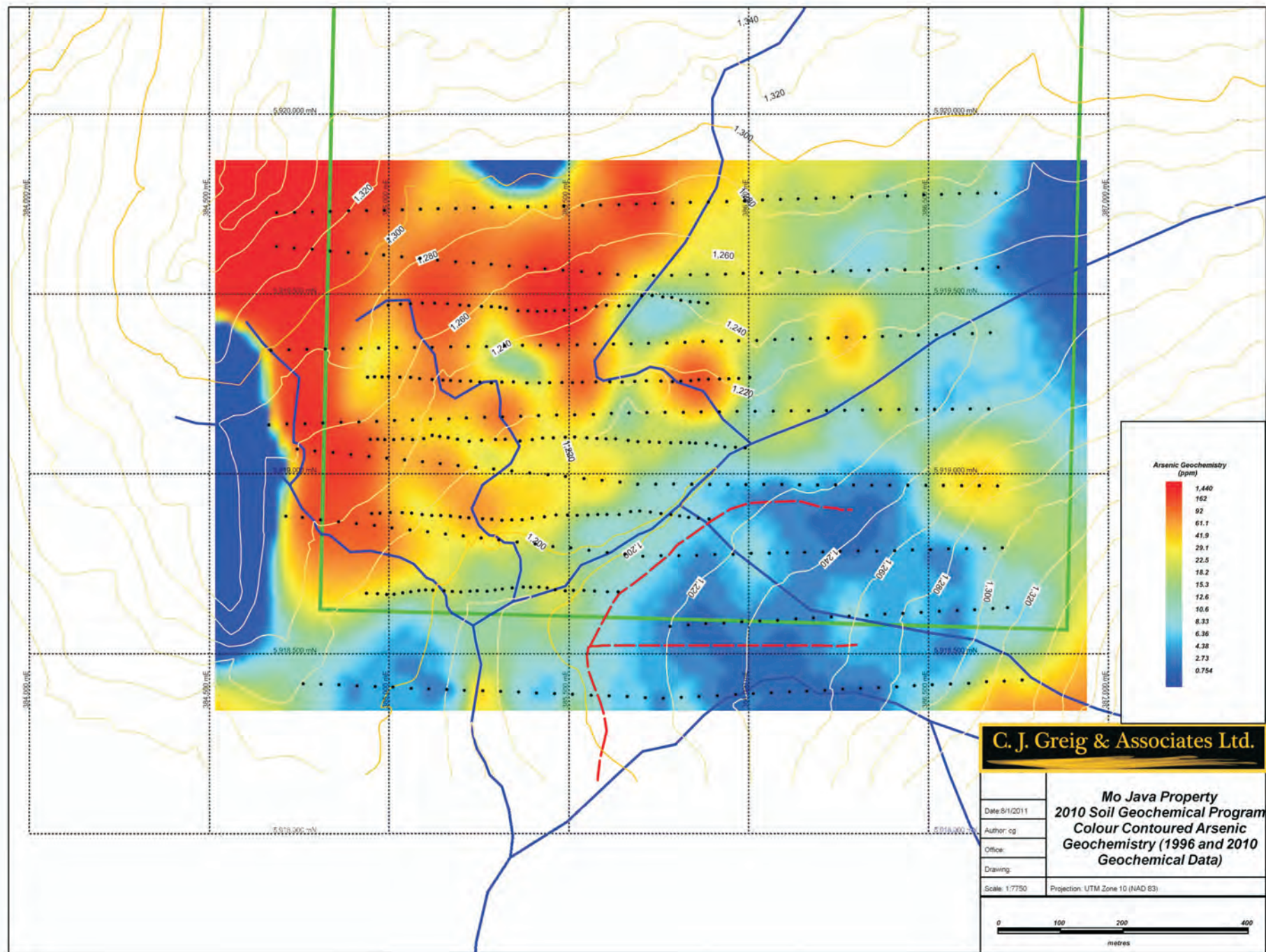


Figure 8. 1996 and 2010 arsenic-in-soil geochemistry, Mo Java property, central B.C.

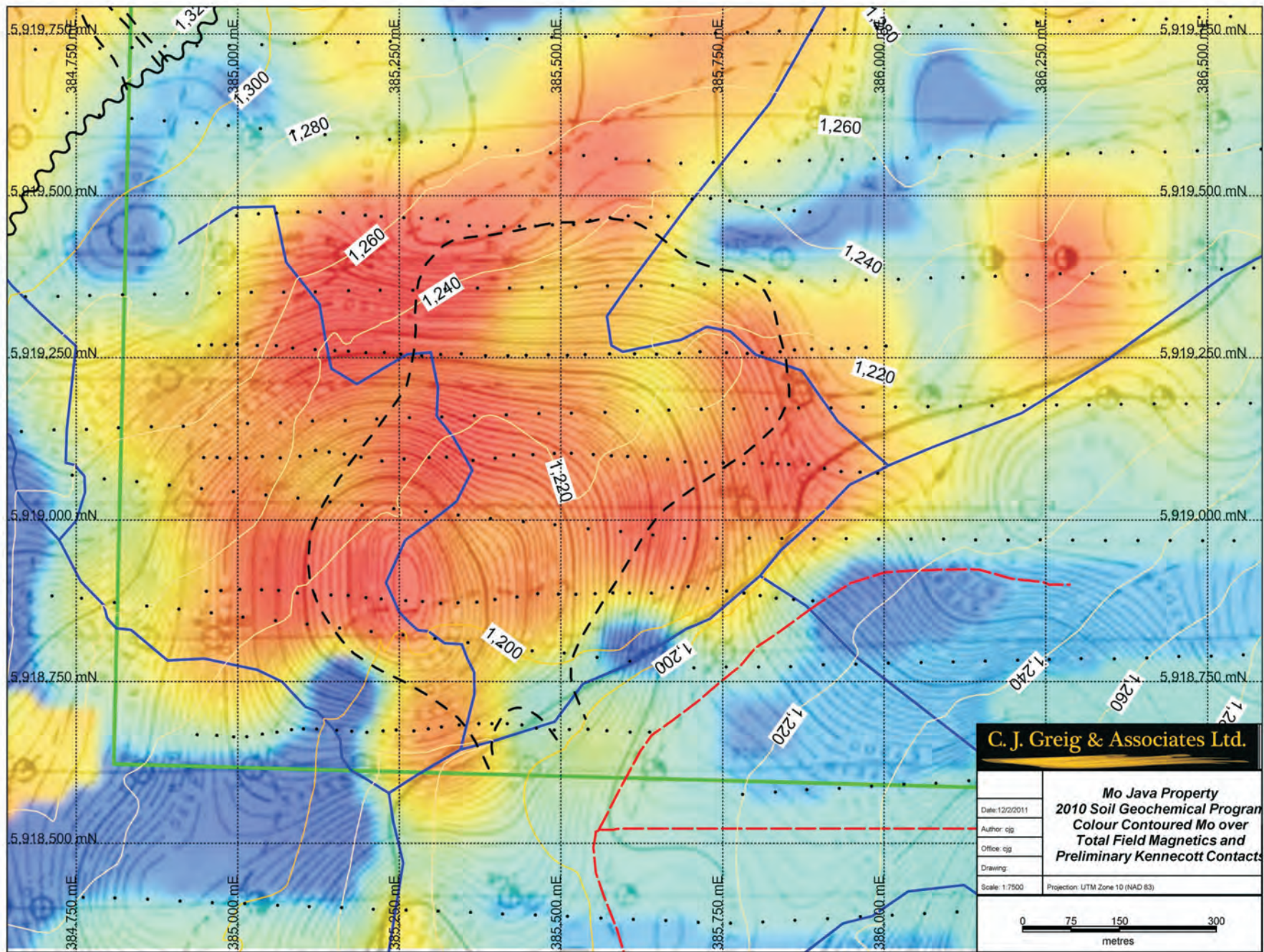


Figure 9. 1996 and 2010 colour-contoured 1996 and 2010 molybdenum-in-soil geochemistry, overlain on Kennecott airborne mag and showing approximate intrusive contacts, Mo Java property, central B.C.

8.1.1 Soil Geochemical Sampling Procedure & Analytical Techniques

Soil samples were collected from the B horizon, at an average depth of approximately 15 to 20 centimetres. A mattock was used to dig the holes, and the soil was placed in standard Kraft paper soil sample bags that were labelled with sample numbers. Control on locations was provided by hand-held GPS, and sample sites were marked with flagging tape labelled with sample numbers. The soil samples were analyzed at ALS-Chemex Laboratories in North Vancouver, British Columbia. To evaluate reproducibility, 12 blank samples were collected from a common location, inserted in the sample sequence, and sent to the lab along with the samples collected from the property (Appendices II and III). The blank samples show very little variability, yielding very consistent analytical results (Appendix III). Along with the internal lab standards, the blank sample data suggest that the data from ALS-Chemex is of high quality.

9.0 Conclusions and Recommendations

The 2010 soil geochemical program on the Mo Java property has clearly confirmed the large-scale, high-tenor molybdenum-in-soil geochemical anomaly outlined by Kennecott in the mid 1990's. It is irregular in form but the central core has a diameter of at least 600 meters. It remains partially open on both the north and south ends, and to date sampling has mainly been restricted to a relatively small area near the Java pluton. The size and tenor of the anomaly clearly suggest that a fairly large-scale hydrothermal system is present, and the anomaly clearly warrants testing.

With these observations in mind, further soil sampling, prospecting, and reconnaissance mapping are strongly recommended for the property and surrounding area, as are grid-controlled geophysical surveys. In particular, over the main part of the anomaly, and for some distance beyond, a cut grid-based exploration program should be undertaken, possibly with a baseline parallelling the northeast-southwest long dimension of the Java pluton, and crosslines, spaced every one hundred meters, running northwest-

southeast. The grid would provide control and access for both in-fill soil geochemical sampling, geologic mapping, and ground geophysical surveys (Induced Polarization (IP)). The IP survey would be particularly useful, since there is a known association on the property of molybdenum with quartz-sulphide veins as well as with a possible halo of arsenical pyrite in altered intrusive rocks and hornfelsed sedimentary strata. This strongly suggests that IP would be a very useful exploration tool for drill targeting mineralized zones, whether they be stockworks, closely-spaced sheeted veins, or mineralization associated with disseminated and/or fracture-controlled sulphides. The IP work would be particularly helpful on the more poorly-exposed lower parts of the property, in the vicinity of Java Creek.

In support of this program, a camp should be established on the property, with mobilization by vehicle onto the reactivated logging road into the Java Creek cutblock. From there, the grid could be cut and the subsequent geological, geochemical, and geophysical work could proceed via foot.

10.0 References

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Appendix I.

Soil Geochemical Sample Locations

Appendix I. Soil Geochemical Sample Locations

SampleNo	UTM_E	UTM_N	Certificate No.
NHMO10S001	385637	5918672	VA10166037
NHMO10S002	385607	5918672	VA10166037
NHMO10S003	385572	5918676	VA10166037
NHMO10S004	385539	5918681	VA10166037
NHMO10S005	385513	5918676	VA10166037
NHMO10S006	385491	5918683	VA10166037
NHMO10S007	385462	5918678	VA10166037
NHMO10S008	385444	5918669	VA10166037
NHMO10S009	385417	5918685	VA10166037
NHMO10S010	385374	5918687	VA10166037
NHMO10S011	385373	5918685	VA10166037
NHMO10S012	385343	5918672	VA10166037
NHMO10S013	385315	5918680	VA10166037
NHMO10S014	385296	5918672	VA10166037
NHMO10S016	385273	5918666	VA10166037
NHMO10S017	385261	5918661	VA10166037
NHMO10S018	385225	5918674	VA10166037
NHMO10S019	385200	5918670	VA10166037
NHMO10S020	385178	5918671	VA10166037
NHMO10S021	385153	5918675	VA10166037
NHMO10S022	385127	5918675	VA10166037
NHMO10S023	385085	5918679	VA10166037
NHMO10S024	385084	5918679	VA10166037
NHMO10S025	385068	5918675	VA10166037
NHMO10S026	385038	5918669	VA10166037
NHMO10S027	385014	5918665	VA10166037
NHMO10S028	384998	5918660	VA10166037
NHMO10S029	384957	5918672	VA10166037
NHMO10S031	384937	5918668	VA10166037
NHMO10S032	384951	5918884	VA10166037
NHMO10S033	384976	5918880	VA10166037
NHMO10S034	384948	5919091	VA10166037
NHMO10S035	385038	5919097	VA10166037
NHMO10S036	385068	5919083	VA10166037
NHMO10S037	385098	5919092	VA10166037
MGMO10S001	385990	5919072	VA10166037
MGMO10S002	385971	5919067	VA10166037
MGMO10S003	385938	5919064	VA10166037
MGMO10S004	385910	5919082	VA10166037
MGMO10S005	385883	5919085	VA10166037
MGMO10S006	385852	5919085	VA10166037
MGMO10S007	385835	5919086	VA10166037
MGMO10S008	385800	5919080	VA10166037
MGMO10S009	385775	5919099	VA10166037
MGMO10S010	385754	5919077	VA10166037
MGMO10S011	385708	5919082	VA10166037

Appendix I. Soil Geochemical Sample Locations

MGMO10S012	385687	5919083	VA10166037
MGMO10S013	385662	5919100	VA10166037
MGMO10S014	385630	5919097	VA10166037
MGMO10S016	385599	5919098	VA10166037
MGMO10S017	385554	5919095	VA10166037
MGMO10S018	385550	5919100	VA10166037
MGMO10S019	385516	5919102	VA10166037
MGMO10S020	385484	5919081	VA10166037
MGMO10S021	385456	5919094	VA10166037
MGMO10S022	385424	5919107	VA10166037
MGMO10S023	385398	5919094	VA10166037
MGMO10S024	385364	5919091	VA10166037
MGMO10S025	385323	5919096	VA10166037
MGMO10S026	385292	5919107	VA10166037
MGMO10S027	385234	5919080	VA10166037
MGMO10S028	385223	5919090	VA10166037
MGMO10S029	385220	5919098	VA10166037
MGMO10S031	385157	5919118	VA10166037
MGMO10S032	385157	5919118	VA10166037
JOMO10S001	385889	5918869	VA10166037
JOMO10S002	385860	5918877	VA10166037
JOMO10S003	385833	5918879	VA10166037
JOMO10S004	385808	5918883	VA10166037
JOMO10S005	385783	5918887	VA10166037
JOMO10S006	385756	5918890	VA10166037
JOMO10S007	385727	5918899	VA10166037
JOMO10S008	385700	5918905	VA10166037
JOMO10S009	385672	5918895	VA10166037
JOMO10S010	385640	5918887	VA10166037
JOMO10S011	385606	5918887	VA10166037
JOMO10S012	385581	5918897	VA10166037
JOMO10S013	385553	5918886	VA10166037
JOMO10S014	385523	5918885	VA10166037
JOMO10S016	385497	5918889	VA10166037
JOMO10S017	385464	5918886	VA10178555
JOMO10S018	385432	5918881	VA10178555
JOMO10S019	385398	5918877	VA10178555
JOMO10S020	385370	5918873	VA10178555
JOMO10S021	385341	5918872	VA10178555
JOMO10S022	385314	5918871	VA10178555
JOMO10S023	385286	5918874	VA10178555
JOMO10S024	385260	5918875	VA10178555
JOMO10S025	385222	5918878	VA10178555
JOMO10S026	385198	5918880	VA10178555
JOMO10S027	385171	5918887	VA10178555
JOMO10S028	385146	5918889	VA10178555
JOMO10S029	385119	5918884	VA10178555

Appendix I. Soil Geochemical Sample Locations

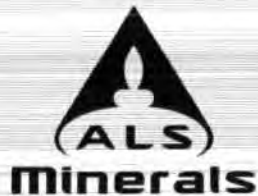
JOMO10S031	385092	5918887	VA10178555
JOMO10S032	385063	5918891	VA10166037
JOMO10S033	385039	5918899	VA10166037
JOMO10S034	385007	5918904	VA10166037
JOMO10S035	384965	5919088	VA10166037
JOMO10S036	384997	5919091	VA10166037
JOMOS037	384987	5919091	VA10166037
NPMO10S001	385885	5919475	VA10166037
NPMO10S002	385866	5919463	VA10166037
NPMO10S003	385837	5919479	VA10166037
NPMO10S004	385811	5919483	VA10166037
NPMO10S005	385786	5919491	VA10166037
NPMO10S006	385761	5919492	VA10166037
NPMO10S007	385727	5919488	VA10166037
NPMO10S008	385705	5919500	VA10166037
NPMO10S009	385666	5919468	VA10166037
NPMO10S010	385639	5919467	VA10166037
NPMO10S011	385604	5919469	VA10166037
NPMO10S012	385576	5919466	VA10166037
NPMO10S013	385546	5919458	VA10166037
NPMO10S014	385523	5919461	VA10166037
NPMO10S016	385487	5919455	VA10166037
NPMO10S017	385461	5919453	VA10166037
NPMO10S018	385436	5919453	VA10166037
NPMO10S019	385404	5919462	VA10166037
NPMO10S020	385386	5919453	VA10166037
NPMO10S021	385343	5919453	VA10166037
NPMO10S022	385325	5919460	VA10166037
NPMO10S023	385316	5919475	VA10166037
NPMO10S024	385289	5919468	VA10166037
NPMO10S025	385257	5919466	VA10166037
NPMO10S026	385222	5919468	VA10166037
NPMO10S027	385201	5919473	VA10166037
NPMO10S028	385170	5919468	VA10166037
NPMO10S029	385127	5919475	VA10166037
NPMO10S031	385093	5919475	VA10166037
NPMO10S032	385061	5919468	VA10166037
NPMO10S033	385032	5919472	VA10166037
NPMO10S034	384995	5919444	VA10166037
NPMO10S035	384940	5919269	VA10166037
NPMO10S036	384997	5919264	VA10166037
NPMO10S037	384997	5919264	VA10166037
NPMO10S038	384999	5919271	VA10166037
NPMO10S039	385030	5919269	VA10166037
NPMO10S040	385124	5919255	VA10166037
NPMO10S041	385124	5919255	VA10166037
NPMO10S042	385124	5919255	VA10166037

Appendix I. Soil Geochemical Sample Locations

NPMO10S043	385150	5919261	VA10166037
NPMO10S044	385171	5919260	VA10166037
NPMO10S046	385198	5919258	VA10166037
NPMO10S047	385231	5919248	VA10166037
NPMO10S048	385256	5919259	VA10166037
NPMO10S049	385304	5919269	VA10166037
NPMO10S050	385325	5919253	VA10166037
NPMO10S051	385346	5919256	VA10166037
NPMO10S052	385295	5919212	VA10166037
NPMO10S053	385127	5918992	VA10166037
NPMO10S054	385205	5919020	VA10166037
NPMO10S055	385481	5919256	VA10166037
NPMO10S056	385494	5919254	VA10166037
NPMO10S057	385534	5919259	VA10166037
NPMO10S058	385575	5919256	VA10166037
NPMO10S059	385614	5919256	VA10166037
NPMO10S061	385646	5919262	VA10166037
NPMO10S062	385683	5919257	VA10166037
NPMO10S063	385715	5919259	VA10166037
NPMO10S064	385756	5919258	VA10166037
NPMO10S065	385794	5919270	VA10166037
NPMO10S066	385811	5919258	VA10166037
NPMO10S067	385838	5919263	VA10166037
NPMO10S068	385861	5919262	VA10166037
NPMO10S069	385897	5919265	VA10166037
NPMO10S070	385919	5919264	VA10166037
NPMO10S071	385963	5919267	VA10166037
NPMO10S072	385969	5919275	VA10166037
NPMO10S073	386003	5919268	VA10166037

Appendix II.

Soil and Blank Geochemical Sample Certificates of Analyses



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To: CJ. GREIG AND ASSOCIATES LTD.
729 OKANAGAN AVE E
PENTICTON BC V2A 3K7

Page: 1
Finalized Date: 15-NOV-2010
Account: GREIG

CERTIFICATE VA10166037

Project: Mojave
P.O. No.:
This report is for 165 Soil samples submitted to our lab in Vancouver, BC, Canada on 9-NOV-2010.

The following have access to data associated with this certificate:

C.J. GREIG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: CJ. GREIG AND ASSOCIATES LTD.
ATTN: C.J. GREIG
729 OKANAGAN AVE E
PENTICTON BC V2A 3K7

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

Signature:



Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 6 (A - C)
 Finalized Date: 15-NOV-2010
 Account: GREIG

Project: Mojava

CERTIFICATE OF ANALYSIS VA10166037

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
NPM010S001		0.26	0.3	0.99	12	<10	40	<0.5	<2	0.14	<0.5	4	15	6	1.44	10
NPM010S002		0.24	0.3	1.13	12	<10	80	<0.5	<2	0.27	<0.5	5	19	10	1.72	<10
NPM010S003		0.22	0.2	1.49	15	<10	60	<0.5	<2	0.11	<0.5	6	20	12	2.47	<10
NPM010S004		0.24	0.2	0.93	7	<10	90	<0.5	<2	0.27	<0.5	5	12	8	1.14	<10
NPM010S005		0.16	0.3	1.35	14	<10	80	<0.5	<2	0.37	<0.5	9	19	18	1.96	<10
NPM010S006		0.30	0.2	1.17	12	<10	70	<0.5	<2	0.31	<0.5	6	18	12	1.86	<10
NPM010S007		0.32	0.2	0.90	<2	<10	50	<0.5	<2	0.28	<0.5	5	12	10	1.59	<10
NPM010S008		0.16	0.2	0.70	14	<10	40	<0.5	<2	0.17	<0.5	3	12	8	1.32	<10
NPM010S009		0.26	0.5	1.03	18	<10	90	<0.5	<2	1.42	<0.5	5	15	24	1.62	<10
NPM010S010		0.18	<0.2	1.48	15	<10	50	<0.5	<2	0.14	<0.5	6	19	7	2.25	<10
NPM010S011		0.10	0.6	1.52	23	<10	130	0.5	<2	2.27	0.6	7	16	50	1.82	<10
NPM010S012		0.50	0.4	1.80	54	<10	100	0.5	<2	0.68	<0.5	9	27	77	2.83	<10
NPM010S013		0.24	0.3	0.98	31	<10	40	<0.5	<2	0.24	<0.5	5	17	10	1.93	<10
NPM010S014		0.44	0.3	1.52	215	<10	70	<0.5	<2	0.78	<0.5	11	26	64	2.76	<10
NPM010S015		0.20	1.3	1.37	110	<10	190	0.5	<2	2.36	1.3	23	17	53	5.12	<10
NPM010S016		0.36	0.9	1.89	617	<10	80	0.7	<2	0.66	<0.5	11	28	189	3.19	10
NPM010S017		0.30	0.7	1.57	355	<10	70	<0.5	<2	0.26	<0.5	7	24	21	3.47	10
NPM010S018		0.52	<0.2	1.53	202	<10	50	<0.5	<2	0.14	<0.5	6	21	14	3.10	10
NPM010S019		0.38	0.2	2.76	437	<10	90	0.5	<2	0.20	<0.5	22	33	94	4.57	10
NPM010S020		0.20	0.3	1.44	70	<10	70	<0.5	<2	0.15	<0.5	7	27	27	3.11	10
NPM010S021		0.26	0.3	2.60	123	<10	100	0.5	<2	0.19	<0.5	22	51	118	3.57	10
NPM010S022		0.18	0.2	0.50	7	<10	30	<0.5	<2	0.14	<0.5	3	10	7	1.01	<10
NPM010S023		0.16	0.2	1.92	33	<10	80	<0.5	<2	0.21	<0.5	10	28	18	2.88	10
NPM010S024		0.22	0.2	1.09	36	<10	60	<0.5	<2	0.18	<0.5	5	17	23	2.64	10
NPM010S025		0.26	0.2	0.84	16	<10	40	<0.5	<2	0.12	<0.5	4	23	7	2.32	10
NPM010S026		0.28	0.2	0.83	23	<10	30	<0.5	<2	0.14	<0.5	5	18	12	2.42	10
NPM010S027		0.30	0.4	1.03	212	<10	60	<0.5	<2	0.25	<0.5	7	16	22	2.88	10
NPM010S028		0.22	2.3	2.36	186	<10	130	0.8	<2	2.02	0.8	15	19	410	2.89	<10
NPM010S029		0.30	0.3	1.56	64	<10	90	<0.5	<2	0.68	<0.5	8	20	14	2.51	<10
NPM010S030		0.28	<0.2	0.87	<2	<10	50	<0.5	<2	0.27	<0.5	5	12	10	1.83	<10
NPM010S031		0.34	0.3	3.46	377	<10	150	0.5	<2	1.92	<0.5	17	34	14	5.18	10
NPM010S032		0.42	0.3	2.79	36	<10	170	<0.5	<2	0.89	<0.5	12	28	23	2.91	10
NPM010S033		0.52	0.3	2.48	17	<10	90	0.5	<2	0.30	<0.5	8	20	14	2.77	10
NPM010S034		0.40	0.2	2.14	57	<10	90	<0.5	<2	0.55	<0.5	10	21	19	2.57	10
NPM010S035		0.28	<0.2	1.25	28	<10	80	<0.5	<2	0.16	<0.5	6	30	22	2.84	10
NPM010S036		0.34	<0.2	0.65	3	<10	90	<0.5	<2	0.13	<0.5	3	15	8	1.50	<10
NPM010S037		0.26	<0.2	1.81	77	<10	90	<0.5	<2	0.19	<0.5	9	21	19	3.57	10
NPM010S038		0.30	<0.2	0.72	57	<10	70	<0.5	<2	0.14	<0.5	3	14	10	1.97	10
NPM010S039		0.34	<0.2	2.09	98	<10	130	<0.5	<2	0.26	<0.5	12	23	45	3.44	10
NPM010S040		0.18	<0.2	0.80	20	<10	90	<0.5	<2	0.16	<0.5	5	14	25	1.96	10



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Page: 2 - B
 Total # Pages: 6 (A - C)
 Finalized Date: 15-NOV-2010
 Account: GREIG

Project: Mojava

CERTIFICATE OF ANALYSIS VA10166037

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
Units		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
NPMO10S001		<1	0.03	10	0.14	115	1	0.01	7	360	11	0.01	<2	1	13	<20
NPMO10S002		<1	0.04	10	0.32	236	1	0.01	9	300	9	0.01	<2	2	27	<20
NPMO10S003		<1	0.03	10	0.28	191	2	0.01	12	670	9	0.01	<2	2	11	<20
NPMO10S004		<1	0.04	10	0.16	137	1	0.01	7	320	8	0.02	<2	2	29	<20
NPMO10S005		<1	0.05	10	0.32	461	1	0.01	11	440	10	0.02	<2	3	41	<20
NPMO10S006		<1	0.04	10	0.33	289	1	0.01	11	480	8	0.01	<2	3	27	<20
NPMO10S007		<1	0.14	10	0.20	160	<1	0.02	7	640	3	0.01	<2	2	21	<20
NPMO10S008		<1	0.04	10	0.10	151	2	0.01	5	550	10	0.02	<2	1	14	<20
NPMO10S009		<1	0.05	10	0.24	213	3	0.02	11	430	7	0.06	<2	2	79	<20
NPMO10S010		<1	0.03	10	0.19	141	1	0.01	10	340	9	0.02	<2	2	14	<20
NPMO10S011		<1	0.07	10	0.26	600	12	0.02	14	610	6	0.09	<2	3	133	<20
NPMO10S012		<1	0.08	20	0.39	574	9	0.02	20	480	10	0.02	<2	5	40	<20
NPMO10S013		<1	0.04	10	0.23	154	3	0.01	8	150	8	0.02	<2	2	17	<20
NPMO10S014		<1	0.10	10	0.44	744	4	0.02	23	830	10	0.02	2	4	49	<20
NPMO10S015		<1	0.04	20	0.19	2150	12	0.03	18	2120	4	0.40	<2	3	146	<20
NPMO10S016		<1	0.10	10	0.37	406	4	0.03	26	430	9	0.02	5	5	44	<20
NPMO10S017		<1	0.07	10	0.30	166	5	0.01	11	270	8	0.02	3	2	21	<20
NPMO10S018		<1	0.04	10	0.24	163	6	0.01	12	300	9	0.01	2	2	14	<20
NPMO10S019		1	0.12	10	0.64	360	18	0.02	37	580	6	0.02	3	5	22	<20
NPMO10S020		<1	0.08	10	0.31	159	17	0.01	13	400	9	0.03	<2	3	16	<20
NPMO10S021		<1	0.18	10	0.65	335	16	0.01	58	440	7	0.03	<2	5	24	<20
NPMO10S022		<1	0.04	10	0.07	108	5	0.01	4	230	9	0.01	<2	1	13	<20
NPMO10S023		1	0.06	10	0.28	326	6	0.01	21	1620	7	0.02	<2	3	20	<20
NPMO10S024		<1	0.07	10	0.19	205	17	0.01	8	790	8	0.03	<2	2	15	<20
NPMO10S025		<1	0.05	10	0.14	138	4	0.01	7	470	9	0.02	<2	2	12	<20
NPMO10S026		<1	0.09	10	0.19	143	6	0.01	8	330	6	0.02	<2	2	14	<20
NPMO10S027		<1	0.08	<10	0.24	172	17	0.01	9	450	6	0.03	2	2	24	<20
NPMO10S028		<1	0.09	20	0.43	2590	8	0.04	21	1030	6	0.09	2	5	111	<20
NPMO10S029		<1	0.05	10	0.36	774	1	0.02	11	280	8	0.02	<2	3	40	<20
NPMO10S030		<1	0.14	10	0.20	180	<1	0.02	8	630	3	0.01	<2	2	19	<20
NPMO10S031		<1	0.29	<10	0.97	1630	4	0.20	18	1870	3	0.08	<2	6	122	<20
NPMO10S032		<1	0.16	10	0.69	754	2	0.05	21	690	6	0.04	<2	5	58	<20
NPMO10S033		1	0.05	10	0.25	189	1	0.01	13	500	8	0.03	<2	3	28	<20
NPMO10S034		<1	0.11	10	0.50	223	2	0.03	12	410	7	0.03	<2	4	43	<20
NPMO10S035		<1	0.07	10	0.26	187	7	0.01	22	500	7	0.02	<2	3	18	<20
NPMO10S036		1	0.08	10	0.14	290	1	0.01	7	310	5	<0.01	<2	2	17	<20
NPMO10S037		1	0.11	10	0.34	421	2	0.01	13	1140	4	0.01	<2	4	18	<20
NPMO10S038		<1	0.09	10	0.14	245	3	0.01	5	410	5	0.01	<2	2	17	<20
NPMO10S039		1	0.08	10	0.53	316	4	0.02	19	760	4	0.02	<2	4	29	<20
NPMO10S040		<1	0.07	10	0.15	240	11	0.01	7	340	3	0.02	<2	2	20	<20



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Page: 2 - C
 Total # Pages: 6 (A - C)
 Finalized Date: 15-NOV-2010
 Account: GREIG

Project: Mojava

CERTIFICATE OF ANALYSIS VA10166037

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		0.01	10	10	1	10	2
NPMO10S001		0.09	<10	<10	41	<10	25
NPMO10S002		0.10	<10	<10	42	<10	34
NPMO10S003		0.09	<10	<10	55	<10	45
NPMO10S004		0.07	<10	<10	30	<10	33
NPMO10S005		0.08	<10	<10	45	<10	37
NPMO10S006		0.09	<10	<10	42	<10	33
NPMO10S007		0.07	<10	<10	34	<10	33
NPMO10S008		0.07	<10	<10	37	<10	28
NPMO10S009		0.06	<10	<10	34	<10	31
NPMO10S010		0.09	<10	<10	50	<10	50
NPMO10S011		0.04	<10	<10	35	<10	25
NPMO10S012		0.10	<10	<10	60	<10	41
NPMO10S013		0.10	<10	<10	58	<10	27
NPMO10S014		0.10	<10	<10	54	<10	49
NPMO10S015		0.02	<10	<10	45	<10	17
NPMO10S016		0.10	<10	<10	55	<10	37
NPMO10S017		0.12	<10	<10	85	<10	41
NPMO10S018		0.11	<10	<10	76	<10	34
NPMO10S019		0.17	<10	<10	96	<10	71
NPMO10S020		0.18	<10	<10	99	<10	34
NPMO10S021		0.15	<10	<10	74	<10	49
NPMO10S022		0.10	<10	<10	37	<10	15
NPMO10S023		0.12	<10	<10	88	<10	60
NPMO10S024		0.12	<10	<10	88	<10	31
NPMO10S025		0.13	<10	<10	78	<10	27
NPMO10S026		0.16	<10	<10	82	<10	29
NPMO10S027		0.13	<10	<10	91	<10	40
NPMO10S028		0.08	<10	<10	61	<10	79
NPMO10S029		0.10	<10	<10	48	<10	46
NPMO10S030		0.07	<10	<10	36	<10	32
NPMO10S031		0.18	<10	<10	97	<10	49
NPMO10S032		0.15	<10	<10	79	<10	44
NPMO10S033		0.10	<10	<10	63	<10	53
NPMO10S034		0.15	<10	<10	88	<10	38
NPMO10S035		0.15	<10	<10	93	<10	34
NPMO10S036		0.12	<10	<10	44	<10	21
NPMO10S037		0.14	<10	<10	87	<10	58
NPMO10S038		0.11	<10	<10	57	<10	32
NPMO10S039		0.14	<10	<10	81	<10	52
NPMO10S040		0.12	<10	<10	58	<10	26



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 729 OKANAGAN AVE E
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Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
NPM010S041		0.08	<0.2	0.93	44	<10	60	<0.5	<2	0.13	<0.5	3	14	13	2.22	10
NPM010S042		0.28	<0.2	1.44	71	<10	110	<0.5	<2	0.19	<0.5	7	20	38	2.97	10
NPM010S043		0.26	<0.2	0.93	117	<10	80	<0.5	5	0.16	0.6	4	13	79	2.66	10
NPM010S044		0.32	0.3	1.03	261	<10	100	<0.5	7	0.14	2.6	4	13	43	2.78	10
NPM010S045		0.36	<0.2	0.93	2	<10	70	<0.5	<2	0.27	<0.5	4	13	11	1.72	<10
NPM010S046		0.34	<0.2	1.37	44	<10	100	<0.5	<2	0.23	<0.5	8	23	24	2.55	<10
NPM010S047		0.28	<0.2	1.37	36	<10	80	<0.5	<2	0.20	<0.5	8	22	33	2.74	<10
NPM010S048		0.14	<0.2	0.83	15	<10	80	<0.5	<2	0.21	<0.5	3	14	12	1.46	10
NPM010S049		0.24	<0.2	0.60	12	<10	70	<0.5	<2	0.11	<0.5	2	13	6	1.57	<10
NPM010S050		0.30	<0.2	1.34	18	<10	90	<0.5	<2	0.21	<0.5	6	19	12	2.22	<10
NPM010S051		0.08	<0.2	1.27	13	<10	100	<0.5	<2	0.36	<0.5	6	17	15	1.74	<10
NPM010S052		0.30	<0.2	1.30	10	<10	90	<0.5	<2	0.22	<0.5	6	20	13	2.27	<10
NPM010S053		0.30	<0.2	0.91	11	<10	80	<0.5	<2	0.36	<0.5	6	14	8	1.41	<10
NPM010S054		0.44	<0.2	1.52	22	<10	120	<0.5	<2	0.31	<0.5	7	21	16	2.18	<10
NPM010S055		0.28	<0.2	0.92	<2	<10	80	<0.5	<2	0.27	<0.5	4	13	11	1.71	<10
NPM010S056		0.18	0.4	2.07	89	<10	150	0.5	<2	1.23	<0.5	8	29	58	2.90	<10
NPM010S057		0.34	0.6	1.72	398	<10	200	0.5	<2	1.26	0.7	13	24	33	9.76	<10
NPM010S058		0.34	<0.2	1.48	16	<10	110	<0.5	<2	0.48	<0.5	7	23	28	1.86	<10
NPM010S059		0.32	<0.2	2.07	16	<10	180	<0.5	<2	0.70	<0.5	5	25	30	2.06	10
NPM010S060		0.40	<0.2	0.84	<2	<10	60	<0.5	<2	0.26	<0.5	3	13	10	1.88	<10
NPM010S061		0.32	<0.2	1.55	12	<10	80	<0.5	<2	0.12	<0.5	5	22	11	2.05	<10
NPM010S062		0.30	<0.2	1.68	23	<10	80	<0.5	<2	0.11	<0.5	6	34	21	2.35	<10
NPM010S063		0.32	<0.2	2.15	31	<10	90	0.5	<2	0.13	<0.5	8	24	18	2.75	10
NPM010S064		0.36	<0.2	2.45	52	<10	230	0.5	<2	0.71	<0.5	10	31	27	2.64	10
NPM010S065		0.30	<0.2	0.91	<2	<10	60	<0.5	<2	0.27	<0.5	4	13	11	1.69	<10
NPM010S066		0.50	<0.2	1.58	33	<10	120	<0.5	<2	0.51	<0.5	9	27	34	2.82	<10
NPM010S067		0.40	0.5	2.32	366	<10	120	0.5	<2	0.20	<0.5	12	36	39	3.49	10
NPM010S068		0.44	<0.2	3.16	171	<10	250	0.6	<2	0.21	<0.5	17	54	58	4.33	10
NPM010S069		0.36	<0.2	3.39	48	<10	250	0.5	<2	0.44	<0.5	14	27	38	4.01	10
NPM010S070		0.40	<0.2	1.20	15	<10	110	<0.5	<2	0.38	<0.5	5	19	15	1.79	<10
NPM010S071		0.30	<0.2	1.23	17	<10	90	<0.5	<2	0.23	<0.5	5	18	15	1.96	<10
NPM010S072		0.36	0.9	2.14	27	<10	170	0.6	<2	0.87	<0.5	8	24	42	2.58	<10
NPM010S073		0.20	0.3	1.12	8	<10	100	<0.5	<2	0.36	<0.5	6	14	9	1.57	<10
NHMO10S001		0.34	<0.2	1.51	5	<10	110	<0.5	<2	0.28	<0.5	5	20	12	1.69	<10
NHMO10S002		0.38	<0.2	1.94	13	<10	110	<0.5	<2	0.14	<0.5	8	26	14	2.50	<10
NHMO10S003		0.36	<0.2	1.83	12	<10	150	<0.5	<2	0.17	<0.5	8	31	20	2.73	<10
NHMO10S004		0.42	<0.2	1.40	6	<10	100	<0.5	<2	0.18	<0.5	7	21	8	2.11	<10
NHMO10S005		0.48	<0.2	1.82	9	<10	120	<0.5	<2	0.18	<0.5	8	30	18	2.85	10
NHMO10S006		0.38	<0.2	1.39	30	<10	130	<0.5	<2	0.43	<0.5	9	25	22	2.60	<10
NHMO10S007		0.50	<0.2	1.67	43	<10	140	<0.5	<2	0.36	<0.5	10	24	28	2.81	<10



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CERTIFICATE OF ANALYSIS VA10166037

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
NPM010S041		<1	0.08	10	0.20	173	11	0.01	5	370	5	0.01	<2	2	13	<20
NPM010S042		<1	0.06	10	0.30	203	13	0.01	13	910	14	0.01	<2	3	19	<20
NPM010S043		<1	0.09	10	0.21	102	31	0.01	9	340	5	0.02	4	2	24	<20
NPM010S044		<1	0.09	10	0.25	163	34	0.01	6	830	46	0.03	9	2	27	<20
NPM010S045		<1	0.14	10	0.21	162	<1	0.02	9	690	2	<0.01	<2	2	22	<20
NPM010S046		<1	0.12	10	0.32	262	6	0.01	18	390	12	0.01	<2	3	27	<20
NPM010S047		<1	0.06	10	0.34	224	6	0.01	19	590	7	0.01	<2	3	23	<20
NPM010S048		<1	0.04	10	0.16	96	6	0.01	7	210	4	0.02	<2	2	22	<20
NPM010S049		<1	0.04	10	0.08	109	2	0.01	4	560	6	0.01	<2	1	14	<20
NPM010S050		<1	0.04	10	0.29	227	4	0.01	13	580	3	0.01	<2	2	24	<20
NPM010S051		<1	0.05	10	0.30	314	3	0.01	11	480	5	0.01	<2	2	40	<20
NPM010S052		<1	0.04	10	0.23	164	2	0.01	14	360	5	0.02	<2	2	27	<20
NPM010S053		<1	0.03	10	0.20	303	2	0.01	8	260	4	0.01	<2	2	32	<20
NPM010S054		<1	0.05	10	0.31	327	3	0.02	14	500	2	0.01	<2	3	31	<20
NPM010S055		<1	0.14	20	0.21	165	<1	0.02	8	680	<2	<0.01	<2	2	22	<20
NPM010S056		<1	0.09	10	0.43	432	4	0.03	27	970	10	0.13	<2	4	79	<20
NPM010S057		<1	0.05	10	0.33	2240	9	0.03	23	1660	9	0.11	<2	4	97	<20
NPM010S058		1	0.04	10	0.38	319	1	0.02	20	570	7	0.07	<2	3	37	<20
NPM010S059		<1	0.04	10	0.26	227	2	0.02	19	510	10	0.10	<2	3	58	<20
NPM010S060		<1	0.13	10	0.19	157	<1	0.02	8	680	<2	<0.01	<2	2	21	<20
NPM010S061		<1	0.03	10	0.26	149	2	0.01	11	510	5	0.01	<2	2	14	<20
NPM010S062		<1	0.03	10	0.24	153	4	0.01	16	1030	5	0.02	<2	2	13	<20
NPM010S063		<1	0.04	10	0.27	249	4	0.01	15	1700	7	0.01	<2	3	15	<20
NPM010S064		1	0.06	10	0.33	787	9	0.02	20	870	8	0.04	<2	3	52	<20
NPM010S065		<1	0.14	10	0.20	163	<1	0.02	9	700	<2	<0.01	<2	2	23	<20
NPM010S066		<1	0.06	10	0.38	749	22	0.02	17	670	8	0.01	<2	6	47	<20
NPM010S067		<1	0.13	10	0.37	198	5	0.01	29	1130	4	0.02	2	4	26	<20
NPM010S068		<1	0.31	10	0.52	467	3	0.01	29	1570	6	0.02	2	7	29	<20
NPM010S069		2	0.39	10	1.12	243	1	0.02	21	620	2	0.01	<2	6	56	<20
NPM010S070		<1	0.06	10	0.32	203	3	0.01	11	400	6	0.01	<2	3	36	<20
NPM010S071		<1	0.05	10	0.32	196	5	0.02	12	310	7	<0.01	<2	3	22	<20
NPM010S072		<1	0.07	20	0.38	820	9	0.03	19	650	6	0.03	<2	5	79	<20
NPM010S073		<1	0.05	10	0.22	202	1	0.03	8	500	7	0.02	<2	2	36	<20
NHMO10S001		<1	0.03	10	0.25	168	<1	0.03	12	590	4	0.01	<2	2	26	<20
NHMO10S002		<1	0.04	10	0.28	263	<1	0.02	15	790	4	0.01	2	3	15	<20
NHMO10S003		<1	0.05	10	0.38	230	<1	0.02	17	680	5	0.01	<2	4	20	<20
NHMO10S004		<1	0.03	10	0.27	542	<1	0.02	11	470	5	<0.01	<2	3	18	<20
NHMO10S005		<1	0.06	10	0.34	206	2	0.02	20	950	4	0.01	<2	3	20	<20
NHMO10S006		<1	0.07	10	0.38	348	<1	0.03	15	710	4	0.01	<2	4	39	<20
NHMO10S007		<1	0.08	10	0.42	376	1	0.03	16	780	4	0.01	<2	3	34	<20



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
NPM010S041		0.14	<10	<10	68	<10	42
NPM010S042		0.11	<10	<10	71	<10	61
NPM010S043		0.12	<10	<10	70	<10	44
NPM010S044		0.12	<10	<10	64	<10	132
NPM010S045		0.07	<10	<10	38	<10	37
NPM010S046		0.10	<10	<10	66	<10	57
NPM010S047		0.11	<10	<10	66	<10	47
NPM010S048		0.10	<10	<10	50	<10	31
NPM010S049		0.10	<10	<10	49	<10	29
NPM010S050		0.10	<10	<10	57	<10	40
NPM010S051		0.10	<10	<10	44	<10	35
NPM010S052		0.09	<10	<10	58	<10	38
NPM010S053		0.10	<10	<10	43	<10	27
NPM010S054		0.10	<10	<10	54	<10	35
NPM010S055		0.07	<10	<10	38	<10	36
NPM010S056		0.05	<10	<10	50	<10	47
NPM010S057		0.04	<10	<10	71	<10	40
NPM010S058		0.06	<10	<10	43	<10	43
NPM010S059		0.04	<10	<10	39	<10	35
NPM010S060		0.06	<10	<10	37	<10	34
NPM010S061		0.09	<10	<10	53	<10	38
NPM010S062		0.08	<10	<10	57	<10	40
NPM010S063		0.09	<10	<10	59	<10	76
NPM010S064		0.07	<10	<10	59	<10	61
NPM010S065		0.07	<10	<10	38	<10	36
NPM010S066		0.10	<10	<10	56	<10	43
NPM010S067		0.05	<10	<10	68	<10	62
NPM010S068		0.06	<10	<10	101	<10	69
NPM010S069		0.20	<10	<10	106	<10	63
NPM010S070		0.10	<10	<10	45	<10	33
NPM010S071		0.10	<10	<10	48	<10	37
NPM010S072		0.08	<10	<10	57	<10	35
NPM010S073		0.09	<10	<10	42	<10	36
NHMO10S001		0.11	<10	<10	46	<10	36
NHMO10S002		0.12	<10	<10	59	<10	47
NHMO10S003		0.13	<10	<10	66	<10	44
NHMO10S004		0.10	<10	<10	54	<10	42
NHMO10S005		0.10	<10	<10	70	<10	52
NHMO10S006		0.11	<10	<10	61	<10	47
NHMO10S007		0.09	<10	<10	64	<10	54



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
NHMO10S008		0.32	0.3	1.68	14	<10	130	0.5	<2	0.37	<0.5	8	24	20	2.58	<10
NHMO10S009		0.32	<0.2	1.12	11	<10	130	<0.5	<2	0.33	<0.5	7	22	16	2.44	<10
NHMO10S010		0.50	<0.2	1.39	12	<10	100	<0.5	<2	0.20	<0.5	7	22	16	2.59	<10
NHMO10S011		0.42	<0.2	1.29	11	<10	100	<0.5	<2	0.25	<0.5	6	19	15	2.21	<10
NHMO10S012		0.36	0.2	1.51	9	<10	120	<0.5	<2	0.22	<0.5	10	51	28	2.63	<10
NHMO10S013		0.46	<0.2	1.25	20	<10	110	<0.5	<2	0.58	<0.5	7	35	21	2.31	<10
NHMO10S014		0.36	<0.2	1.09	16	<10	110	<0.5	<2	0.27	<0.5	7	20	15	2.14	<10
NHMO10S015		0.34	<0.2	0.88	<2	<10	70	<0.5	<2	0.27	<0.5	4	12	9	1.62	<10
NHMO10S016		0.40	<0.2	1.18	13	<10	110	<0.5	<2	0.55	<0.5	5	17	9	1.94	<10
NHMO10S017		0.40	<0.2	1.37	10	<10	90	<0.5	<2	0.20	<0.5	4	18	6	2.56	10
NHMO10S018		0.36	0.3	2.33	12	<10	170	0.5	<2	0.30	<0.5	8	23	11	3.05	10
NHMO10S019		0.60	<0.2	2.40	16	<10	160	0.5	<2	0.23	<0.5	10	24	11	3.06	10
NHMO10S020		0.50	0.2	2.30	15	<10	210	<0.5	<2	0.26	<0.5	10	25	13	3.10	10
NHMO10S021		0.36	<0.2	2.21	33	<10	180	0.5	<2	0.35	<0.5	8	29	20	3.96	10
NHMO10S022		0.56	<0.2	2.61	20	<10	280	0.5	<2	0.50	<0.5	16	33	17	3.51	10
NHMO10S023		0.38	0.2	1.65	9	<10	110	<0.5	<2	0.28	<0.5	8	23	11	3.07	10
NHMO10S024		0.50	<0.2	1.20	7	<10	100	<0.5	<2	0.17	<0.5	6	25	9	2.23	10
NHMO10S025		0.38	<0.2	1.19	11	<10	90	<0.5	<2	0.23	<0.5	6	24	10	2.96	10
NHMO10S026		0.32	<0.2	1.23	11	<10	80	<0.5	<2	0.28	<0.5	4	24	8	2.98	10
NHMO10S027		0.40	0.2	1.39	16	<10	90	<0.5	<2	0.21	<0.5	5	20	13	2.79	10
NHMO10S028		0.40	<0.2	1.46	20	<10	80	<0.5	<2	0.17	<0.5	5	20	10	2.83	10
NHMO10S029		0.44	<0.2	1.17	17	<10	110	<0.5	<2	0.36	<0.5	7	21	14	2.18	<10
NHMO10S030		0.28	<0.2	0.96	<2	<10	80	<0.5	<2	0.29	<0.5	4	12	10	1.74	<10
NHMO10S031		0.54	<0.2	1.50	25	<10	90	<0.5	<2	0.26	<0.5	7	23	13	2.82	<10
NHMO10S032		0.26	0.2	1.70	85	<10	100	<0.5	<2	0.72	<0.5	8	22	15	2.55	10
NHMO10S033		0.38	<0.2	0.72	16	<10	90	<0.5	<2	0.18	<0.5	3	18	8	2.14	<10
NHMO10S034		0.36	0.7	2.89	128	<10	130	<0.5	2	1.67	<0.5	14	20	151	4.28	10
NHMO10S035		0.44	<0.2	1.84	28	<10	140	<0.5	3	0.38	<0.5	11	22	31	3.02	10
NHMO10S036		0.40	<0.2	2.43	42	<10	160	<0.5	3	0.66	<0.5	19	22	84	3.37	10
NHMO10S037		0.44	<0.2	1.93	26	<10	90	<0.5	2	0.30	<0.5	11	17	37	3.15	10
MGM010S001		0.16	0.6	2.09	23	<10	170	1.4	2	2.19	0.8	11	26	42	2.86	<10
MGM010S002		0.26	0.3	2.30	12	<10	200	0.6	3	1.02	0.6	14	33	24	3.00	10
MGM010S003		0.46	<0.2	1.01	9	<10	100	<0.5	<2	0.47	<0.5	8	25	15	2.13	<10
MGM010S004		0.20	0.3	1.77	19	<10	160	<0.5	2	0.56	<0.5	11	26	28	2.79	<10
MGM010S005		0.32	<0.2	0.95	9	<10	70	<0.5	2	0.25	<0.5	6	17	8	1.77	<10
MGM010S006		0.46	<0.2	1.03	14	<10	90	<0.5	<2	0.44	<0.5	7	24	13	2.06	<10
MGM010S007		0.44	<0.2	1.28	10	<10	120	<0.5	2	0.43	<0.5	8	27	15	2.05	<10
MGM010S008		0.36	0.3	1.50	17	<10	120	<0.5	2	0.34	<0.5	7	22	12	1.83	<10
MGM010S009		0.44	0.2	1.43	10	<10	120	<0.5	2	0.27	<0.5	6	20	15	1.77	<10
MGM010S010		0.40	0.2	1.63	38	<10	160	<0.5	3	0.34	<0.5	9	19	37	2.48	<10



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1	Th ppm 20
NHMO10S008		<1	0.05	10	0.36	561	<1	0.03	15	860	5	0.01	<2	4	35	<20
NHMO10S009		<1	0.04	10	0.31	277	<1	0.03	14	430	3	<0.01	<2	3	33	<20
NHMO10S010		<1	0.04	10	0.35	265	1	0.02	17	490	3	0.01	<2	3	21	<20
NHMO10S011		<1	0.04	10	0.31	200	1	0.03	14	590	4	0.01	<2	3	29	<20
NHMO10S012		<1	0.10	10	0.49	397	6	0.03	32	540	4	0.01	<2	4	24	<20
NHMO10S013		<1	0.07	10	0.51	282	14	0.03	16	540	4	0.01	<2	4	48	<20
NHMO10S014		<1	0.04	10	0.30	199	13	0.02	12	510	4	<0.01	<2	2	26	<20
NHMO10S015		<1	0.14	10	0.20	152	<1	0.03	7	610	2	<0.01	<2	2	22	<20
NHMO10S016		<1	0.04	10	0.28	226	4	0.03	10	280	5	0.01	<2	2	45	<20
NHMO10S017		<1	0.05	10	0.18	210	2	0.02	8	1020	5	0.01	<2	2	19	<20
NHMO10S018		<1	0.08	10	0.38	456	1	0.03	14	1910	7	0.01	<2	3	30	<20
NHMO10S019		<1	0.07	10	0.44	699	1	0.03	18	1020	5	0.01	<2	3	25	<20
NHMO10S020		<1	0.07	10	0.50	322	<1	0.03	17	890	5	0.01	<2	4	30	<20
NHMO10S021		1	0.08	10	0.47	262	1	0.03	15	1310	7	0.03	<2	4	41	<20
NHMO10S022		<1	0.10	10	0.75	1290	<1	0.03	22	860	8	0.02	<2	5	45	<20
NHMO10S023		<1	0.07	10	0.40	622	<1	0.02	11	1420	7	0.01	<2	3	20	<20
NHMO10S024		1	0.08	10	0.32	211	<1	0.02	10	360	5	<0.01	<2	3	14	<20
NHMO10S025		1	0.06	<10	0.26	227	<1	0.03	9	510	6	0.03	<2	2	28	<20
NHMO10S026		<1	0.06	10	0.26	222	<1	0.02	7	500	7	0.02	<2	3	26	<20
NHMO10S027		<1	0.04	10	0.22	171	<1	0.02	9	830	6	0.02	2	2	28	<20
NHMO10S028		<1	0.04	10	0.22	181	<1	0.03	8	860	4	0.02	<2	2	21	<20
NHMO10S029		<1	0.07	10	0.34	272	<1	0.03	12	270	5	0.01	<2	3	35	<20
NHMO10S030		<1	0.15	10	0.21	161	<1	0.03	7	640	2	0.01	<2	2	24	<20
NHMO10S031		<1	0.10	10	0.37	212	1	0.03	15	340	3	0.01	<2	3	26	<20
NHMO10S032		<1	0.06	10	0.31	363	<1	0.03	14	400	5	0.02	<2	3	44	<20
NHMO10S033		<1	0.06	<10	0.16	121	1	0.02	6	250	4	0.01	<2	2	17	<20
NHMO10S034		1	0.38	10	1.33	710	3	0.09	14	1330	5	0.08	<2	7	93	<20
NHMO10S035		<1	0.11	10	0.46	249	5	0.02	17	570	4	0.02	<2	3	31	<20
NHMO10S036		<1	0.16	10	0.72	471	8	0.04	18	580	4	0.04	<2	4	60	<20
NHMO10S037		<1	0.11	10	0.59	238	7	0.02	11	310	4	0.02	<2	4	25	<20
MGMO10S001		<1	0.05	40	0.37	2940	5	0.03	15	1990	4	0.16	<2	2	174	<20
MGMO10S002		<1	0.08	20	0.68	2320	3	0.03	19	1180	6	0.07	<2	4	91	<20
MGMO10S003		<1	0.07	10	0.35	314	1	0.03	14	770	2	0.01	<2	3	42	<20
MGMO10S004		<1	0.06	10	0.40	1310	30	0.02	18	800	5	0.03	<2	3	55	<20
MGMO10S005		<1	0.03	10	0.33	183	11	0.01	11	470	4	0.01	<2	2	19	<20
MGMO10S006		<1	0.06	10	0.30	335	21	0.02	11	640	5	0.02	<2	3	34	<20
MGMO10S007		<1	0.06	10	0.34	304	17	0.02	12	590	6	0.02	<2	3	35	<20
MGMO10S008		<1	0.06	10	0.34	206	12	0.02	13	530	6	0.03	<2	2	33	<20
MGMO10S009		<1	0.05	10	0.39	196	5	0.02	11	390	8	0.03	<2	2	30	<20
MGMO10S010		<1	0.06	10	0.39	235	8	0.02	13	550	3	0.02	<2	3	39	<20



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CERTIFICATE OF ANALYSIS VA10166037

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
NHMO10S008		0.09	<10	<10	59	<10	59
NHMO10S009		0.11	<10	<10	60	<10	36
NHMO10S010		0.10	<10	<10	64	<10	36
NHMO10S011		0.09	<10	<10	53	<10	31
NHMO10S012		0.15	<10	<10	71	<10	40
NHMO10S013		0.14	<10	<10	61	<10	34
NHMO10S014		0.10	<10	<10	51	<10	30
NHMO10S015		0.07	<10	<10	34	<10	33
NHMO10S016		0.09	<10	<10	48	<10	25
NHMO10S017		0.10	<10	<10	60	<10	29
NHMO10S018		0.10	<10	<10	81	<10	110
NHMO10S019		0.11	<10	<10	65	<10	100
NHMO10S020		0.11	<10	<10	72	<10	89
NHMO10S021		0.15	<10	<10	102	<10	65
NHMO10S022		0.18	<10	<10	86	<10	148
NHMO10S023		0.14	<10	<10	73	<10	95
NHMO10S024		0.18	<10	<10	66	<10	51
NHMO10S025		0.19	<10	<10	88	<10	57
NHMO10S026		0.20	<10	<10	95	<10	47
NHMO10S027		0.13	<10	<10	71	<10	45
NHMO10S028		0.11	<10	<10	69	<10	40
NHMO10S029		0.12	<10	<10	54	<10	32
NHMO10S030		0.08	<10	<10	36	<10	35
NHMO10S031		0.13	<10	<10	67	<10	34
NHMO10S032		0.11	<10	<10	60	<10	47
NHMO10S033		0.15	<10	<10	70	<10	26
NHMO10S034		0.20	<10	<10	109	<10	91
NHMO10S035		0.14	<10	<10	71	<10	42
NHMO10S036		0.14	<10	<10	85	<10	43
NHMO10S037		0.19	<10	<10	96	<10	54
MGM010S001		0.02	<10	<10	59	<10	25
MGM010S002		0.09	<10	<10	69	<10	47
MGM010S003		0.11	<10	<10	53	<10	35
MGM010S004		0.07	<10	<10	57	<10	40
MGM010S005		0.08	<10	<10	42	<10	30
MGM010S006		0.11	<10	<10	50	<10	35
MGM010S007		0.11	<10	<10	52	<10	41
MGM010S008		0.10	<10	<10	43	<10	47
MGM010S009		0.10	<10	<10	43	<10	44
MGM010S010		0.12	<10	<10	59	<10	33



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Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
MGM010S011		0.22	0.2	1.89	23	<10	80	<0.5	3	0.13	<0.5	7	24	18	2.88	10
MGM010S012		0.42	0.3	1.56	18	<10	100	<0.5	3	0.15	<0.5	7	18	14	2.14	<10
MGM010S013		0.34	0.2	1.39	15	<10	90	<0.5	2	0.19	<0.5	7	15	9	1.92	10
MGM010S014		0.32	0.2	1.61	14	<10	90	<0.5	2	0.14	<0.5	7	22	15	2.33	<10
MGM010S015		0.30	<0.2	0.91	<2	<10	70	<0.5	2	0.27	<0.5	5	12	9	1.65	<10
MGM010S016		0.30	<0.2	1.55	13	<10	110	<0.5	2	0.16	<0.5	5	16	11	1.47	10
MGM010S017		0.44	0.2	1.63	27	<10	100	<0.5	3	0.12	<0.5	6	20	13	2.32	<10
MGM010S018		0.34	0.2	1.67	17	<10	70	<0.5	<2	0.12	<0.5	5	20	11	2.37	10
MGM010S019		0.38	<0.2	1.95	26	<10	90	<0.5	<2	0.12	<0.5	6	20	14	2.75	<10
MGM010S020		0.42	0.2	1.59	28	<10	110	<0.5	3	0.16	<0.5	7	18	23	2.04	<10
MGM010S021		0.38	0.2	1.40	25	<10	120	<0.5	3	0.59	<0.5	7	16	16	1.71	<10
MGM010S022		0.30	<0.2	1.69	14	<10	90	<0.5	2	0.16	<0.5	7	23	15	2.70	<10
MGM010S023		0.48	<0.2	1.92	49	<10	200	0.5	3	0.55	<0.5	11	24	99	2.79	10
MGM010S024		0.28	0.5	1.75	23	<10	150	0.5	3	0.84	<0.5	8	28	61	1.62	<10
MGM010S025		0.46	0.2	1.30	34	<10	110	<0.5	2	0.58	<0.5	7	23	27	2.54	<10
MGM010S026		0.28	0.2	1.28	39	<10	80	<0.5	2	0.79	<0.5	6	19	22	2.11	<10
MGM010S027		0.44	<0.2	0.99	12	<10	80	<0.5	2	0.41	<0.5	7	20	11	2.14	<10
MGM010S028		0.52	<0.2	1.20	21	<10	100	<0.5	2	0.40	<0.5	7	19	15	2.06	<10
MGM010S029		0.36	0.2	0.77	7	<10	60	<0.5	3	0.17	<0.5	4	14	7	1.47	<10
MGM010S030		0.30	<0.2	0.86	<2	<10	60	<0.5	2	0.27	<0.5	4	12	8	1.67	<10
MGM010S031		0.34	0.2	1.70	33	<10	120	<0.5	<2	0.37	<0.5	12	27	26	2.62	10
MGM010S032		0.38	<0.2	1.50	20	<10	100	<0.5	2	0.43	<0.5	8	19	29	2.32	<10
JOM0S001		0.40	<0.2	1.28	7	<10	100	<0.5	2	0.33	<0.5	6	23	13	2.05	<10
JOM0S002		0.38	0.2	1.80	11	<10	130	<0.5	<2	0.42	<0.5	8	22	18	2.33	10
JOM0S003		0.40	<0.2	1.56	10	<10	110	<0.5	2	0.17	<0.5	7	27	15	2.39	<10
JOM0S004		0.46	<0.2	1.14	10	<10	120	<0.5	<2	0.47	<0.5	6	23	13	2.17	<10
JOM0S005		0.32	<0.2	1.24	7	<10	130	<0.5	<2	0.42	<0.5	6	21	12	1.93	<10
JOM0S006		0.40	<0.2	1.51	12	<10	90	<0.5	2	0.23	<0.5	7	33	24	2.54	<10
JOM0S007		0.38	<0.2	1.87	14	<10	160	<0.5	2	0.30	<0.5	11	41	50	3.00	10
JOM0S008		0.42	<0.2	1.64	12	<10	100	<0.5	<2	0.21	<0.5	9	35	32	2.80	<10
JOM0S009		0.40	<0.2	1.45	5	<10	60	<0.5	2	0.15	<0.5	5	21	6	2.50	10
JOM0S010		0.38	<0.2	1.99	10	<10	100	<0.5	<2	0.15	<0.5	7	26	12	2.86	10
JOM0S011		0.40	<0.2	1.23	5	<10	80	<0.5	2	0.14	<0.5	4	17	6	1.61	10
JOM0S012		0.26	<0.2	2.21	11	<10	130	<0.5	2	0.14	<0.5	8	28	14	2.90	10
JOM0S013		0.50	<0.2	1.43	9	<10	120	<0.5	2	0.16	<0.5	7	20	12	2.36	<10
JOM0S014		0.32	0.2	1.33	6	<10	80	<0.5	3	0.14	<0.5	3	15	7	1.64	10
JOM0S015		0.32	<0.2	1.01	<2	<10	70	<0.5	2	0.28	<0.5	5	13	9	1.79	<10
JOM0S016		0.28	0.2	1.53	18	<10	150	<0.5	2	0.45	<0.5	6	18	22	2.05	10
JOM0S031		0.22	<0.2	1.56	10	<10	130	<0.5	2	0.78	<0.5	8	20	17	2.25	<10
JOM0S032		0.28	<0.2	0.93	<2	<10	70	<0.5	2	0.28	<0.5	5	13	9	1.75	<10



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
MGM010S011		<1	0.04	10	0.28	173	11	0.01	12	1120	6	0.02	<2	3	13	<20
MGM010S012		<1	0.04	10	0.23	173	4	0.01	9	740	5	0.02	<2	3	15	<20
MGM010S013		<1	0.04	10	0.25	219	4	0.01	7	430	6	0.03	<2	2	19	<20
MGM010S014		<1	0.04	10	0.33	188	4	0.01	12	650	6	0.01	<2	3	14	<20
MGM010S015		<1	0.14	10	0.20	153	<1	0.02	6	640	2	0.01	<2	2	21	<20
MGM010S016		<1	0.03	10	0.18	103	4	0.01	9	480	7	0.02	<2	1	20	<20
MGM010S017		<1	0.03	10	0.23	160	5	0.01	10	940	5	0.02	<2	2	13	<20
MGM010S018		<1	0.04	10	0.23	142	4	0.01	10	1030	6	0.02	<2	2	11	<20
MGM010S019		<1	0.03	10	0.22	160	5	0.01	11	1420	5	0.02	<2	3	12	<20
MGM010S020		<1	0.04	10	0.27	146	15	0.01	11	620	7	0.02	<2	3	16	<20
MGM010S021		<1	0.05	10	0.30	251	13	0.02	10	600	7	0.03	<2	2	45	<20
MGM010S022		<1	0.04	10	0.30	164	4	0.01	11	1040	6	0.04	<2	2	15	<20
MGM010S023		<1	0.12	10	0.56	351	10	0.02	17	910	7	0.05	<2	4	40	<20
MGM010S024		<1	0.04	10	0.37	191	13	0.02	24	710	9	0.21	<2	5	54	<20
MGM010S025		<1	0.06	10	0.36	369	32	0.02	12	570	4	0.03	<2	4	43	<20
MGM010S026		<1	0.05	10	0.26	345	18	0.02	11	280	5	0.03	<2	3	54	<20
MGM010S027		<1	0.05	10	0.36	310	10	0.02	11	590	5	0.01	<2	3	32	<20
MGM010S028		<1	0.04	10	0.31	282	15	0.01	11	390	3	0.01	<2	3	33	<20
MGM010S029		<1	0.03	10	0.19	137	5	0.01	6	180	4	0.01	<2	2	15	<20
MGM010S030		<1	0.14	10	0.20	149	<1	0.02	7	680	<2	0.01	<2	2	20	<20
MGM010S031		<1	0.06	10	0.40	328	4	0.02	14	550	6	0.04	<2	3	37	<20
MGM010S032		<1	0.06	10	0.46	258	3	0.02	11	280	3	0.03	<2	3	35	<20
JOM0S001		<1	0.05	10	0.33	225	1	0.02	14	580	6	<0.01	<2	3	32	<20
JOM0S002		1	0.05	10	0.38	534	<1	0.02	15	490	4	0.01	<2	4	36	<20
JOM0S003		<1	0.04	10	0.30	186	1	0.02	14	760	4	<0.01	<2	3	18	<20
JOM0S004		<1	0.06	10	0.30	291	<1	0.03	13	680	2	<0.01	<2	3	40	<20
JOM0S005		<1	0.05	10	0.28	256	<1	0.03	12	670	3	0.01	<2	3	39	<20
JOM0S006		<1	0.07	10	0.39	213	4	0.02	19	800	3	0.02	<2	3	23	<20
JOM0S007		<1	0.16	10	0.63	553	7	0.03	26	620	4	0.03	<2	5	38	<20
JOM0S008		<1	0.08	10	0.40	209	4	0.02	23	780	4	0.02	<2	4	20	<20
JOM0S009		<1	0.03	10	0.19	222	1	0.01	8	900	7	<0.01	<2	2	13	<20
JOM0S010		<1	0.04	10	0.29	234	1	0.01	13	1280	5	<0.01	<2	3	14	<20
JOM0S011		<1	0.03	10	0.19	125	1	0.01	7	450	5	<0.01	<2	2	14	<20
JOM0S012		<1	0.04	10	0.31	200	1	0.02	17	1380	5	0.01	<2	3	15	<20
JOM0S013		<1	0.03	10	0.24	288	1	0.02	13	690	3	<0.01	<2	3	17	<20
JOM0S014		<1	0.03	10	0.14	102	3	0.01	6	960	5	<0.01	<2	2	15	<20
JOM0S015		<1	0.15	10	0.21	168	<1	0.02	7	650	<2	<0.01	<2	2	23	<20
JOM0S016		<1	0.05	10	0.35	169	7	0.02	10	470	5	0.01	<2	3	44	<20
JOM0S031		<1	0.06	10	0.35	499	29	0.02	12	410	5	0.02	<2	4	54	<20
JOM0S032		<1	0.14	10	0.21	163	<1	0.02	7	640	<2	<0.01	<2	2	22	<20



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Project: Mojava

CERTIFICATE OF ANALYSIS VA10166037

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti	Ti	U	V	W	Zn
		%	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2
MGM010S011		0.10	<10	<10	62	<10	49
MGM010S012		0.10	<10	<10	49	<10	42
MGM010S013		0.11	<10	<10	49	<10	36
MGM010S014		0.11	<10	<10	51	<10	40
MGM010S015		0.07	<10	<10	34	<10	32
MGM010S016		0.06	<10	<10	38	<10	28
MGM010S017		0.09	<10	<10	50	<10	32
MGM010S018		0.09	<10	<10	52	<10	41
MGM010S019		0.08	<10	<10	61	<10	37
MGM010S020		0.10	<10	<10	45	<10	34
MGM010S021		0.08	<10	<10	42	<10	38
MGM010S022		0.09	<10	<10	63	<10	43
MGM010S023		0.10	<10	<10	69	<10	55
MGM010S024		0.06	<10	<10	62	<10	43
MGM010S025		0.11	<10	<10	57	<10	30
MGM010S026		0.08	<10	<10	51	<10	27
MGM010S027		0.11	<10	<10	50	<10	29
MGM010S028		0.10	<10	<10	52	<10	30
MGM010S029		0.10	<10	<10	42	<10	22
MGM010S030		0.07	<10	<10	35	<10	32
MGM010S031		0.10	<10	<10	67	<10	49
MGM010S032		0.12	<10	<10	59	<10	34
JOM0S001		0.14	<10	<10	53	<10	34
JOM0S002		0.11	<10	<10	58	<10	37
JOM0S003		0.12	<10	<10	61	<10	32
JOM0S004		0.12	<10	<10	57	<10	33
JOM0S005		0.11	<10	<10	52	<10	30
JOM0S006		0.14	<10	<10	63	<10	43
JOM0S007		0.16	<10	<10	76	<10	42
JOM0S008		0.13	<10	<10	66	<10	36
JOM0S009		0.11	<10	<10	60	<10	33
JOM0S010		0.12	<10	<10	65	<10	46
JOM0S011		0.12	<10	<10	44	<10	26
JOM0S012		0.12	<10	<10	62	<10	56
JOM0S013		0.11	<10	<10	57	<10	35
JOM0S014		0.09	<10	<10	43	<10	22
JOM0S015		0.08	<10	<10	37	<10	35
JOM0S016		0.10	<10	<10	51	<10	37
JOM0S031		0.10	<10	<10	50	<10	31
JOM0S032		0.07	<10	<10	37	<10	34



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CERTIFICATE OF ANALYSIS VA10166037

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm
JOMOS033		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
JOMOS034		0.28	0.2	1.55	17	<10	90	<0.5	3	0.28	<0.5	7	18	14	2.29	10
JOMOS035		0.54	0.2	1.21	51	<10	70	<0.5	2	0.39	<0.5	7	20	13	2.44	<10
JOMOS036		0.44	0.3	1.78	70	<10	100	<0.5	2	0.85	<0.5	11	23	32	2.92	<10
JOMOS037		0.44	0.2	1.70	65	<10	100	<0.5	2	0.94	<0.5	7	19	13	2.75	10
		0.40	0.2	2.79	37	<10	180	<0.5	2	0.56	<0.5	19	24	76	3.95	10



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CERTIFICATE OF ANALYSIS VA10166037

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1	Th ppm 20
JOM0S033		1	0.05	10	0.24	171	24	0.01	9	350	5	<0.01	<2	3	26	<20
JOM0S034		<1	0.05	10	0.28	195	1	0.02	11	260	4	0.01	<2	2	30	<20
JOM0S035		<1	0.10	10	0.44	493	3	0.03	13	270	5	0.01	<2	5	57	<20
JOM0S036		<1	0.07	10	0.35	176	3	0.02	11	340	4	0.03	<2	3	62	<20
JOM0S037		<1	0.18	10	0.84	430	9	0.05	17	450	3	0.02	<2	6	52	<20



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CERTIFICATE OF ANALYSIS VA10166037

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		0.01	10	10	1	10	2
JOM0S033		0.10	<10	<10	59	<10	27
JOM0S034		0.12	<10	<10	64	<10	38
JOM0S035		0.13	<10	<10	63	<10	48
JOM0S036		0.13	<10	<10	71	<10	32
JOM0S037		0.22	<10	<10	118	<10	63



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CERTIFICATE VA10178555

Project: Mo Java
P.O. No.:
This report is for 14 Soil samples submitted to our lab in Vancouver, BC, Canada on 1-DEC-2010.

The following have access to data associated with this certificate:
C.J. GREIG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS VA10178555

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm
JoMoS017		0.40	0.4	1.26	31	<10	110	<0.5	<2	0.27	<0.5	6	16	28	2.10	<10
JoMoS018		0.40	0.4	1.79	39	<10	120	<0.5	<2	0.19	<0.5	7	20	23	2.84	<10
JoMoS019		0.48	0.4	1.43	38	<10	100	<0.5	<2	0.28	<0.5	6	19	23	2.50	<10
JoMoS020		0.50	0.4	1.62	36	<10	110	<0.5	<2	0.30	<0.5	8	19	20	2.71	<10
JoMoS021		0.46	0.2	1.44	25	<10	70	<0.5	<2	0.12	<0.5	6	14	10	2.40	<10
JoMoS022		0.38	<0.2	1.58	26	<10	130	<0.5	2	0.17	<0.5	7	18	16	2.51	<10
JoMoS023		0.32	0.2	1.68	55	<10	80	<0.5	2	0.15	<0.5	5	16	10	2.90	10
JoMoS024		0.34	0.6	2.25	101	<10	150	0.5	2	0.23	<0.5	8	22	25	4.25	10
JoMoS025		0.24	0.4	0.69	130	<10	150	<0.5	<2	3.74	2.3	4	8	76	1.61	<10
JoMoS026		0.22	<0.2	1.05	27	<10	70	<0.5	2	0.14	<0.5	4	13	11	2.23	<10
JoMoS027		0.46	<0.2	1.57	39	<10	110	<0.5	<2	0.29	<0.5	7	15	19	2.61	<10
JoMoS028		0.38	<0.2	2.69	21	<10	230	<0.5	2	1.45	<0.5	12	17	47	3.54	10
JoMoS029		0.42	<0.2	1.86	18	<10	160	<0.5	<2	0.34	<0.5	10	18	27	2.74	<10
JoMoS030		0.40	<0.2	1.60	42	<10	100	<0.5	<2	0.27	<0.5	8	16	19	2.65	10



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CERTIFICATE OF ANALYSIS VA10178555

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1	Th ppm 20
JoMaS017		<1	0.04	10	0.30	168	12	0.01	10	480	9	<0.01	2	2	27	<20
JoMaS018		<1	0.05	10	0.28	176	10	0.01	13	990	8	<0.01	<2	3	18	<20
JoMaS019		<1	0.06	10	0.25	173	6	0.01	10	510	8	<0.01	2	2	31	<20
JoMaS020		<1	0.06	10	0.34	299	9	0.02	12	700	8	<0.01	2	3	26	<20
JoMaS021		<1	<0.01	10	0.17	137	2	0.01	10	780	6	<0.01	<2	2	12	<20
JoMaS022		<1	0.01	10	0.28	274	1	0.01	12	660	4	<0.01	<2	2	19	<20
JoMaS023		<1	0.01	10	0.16	250	9	0.01	5	1460	5	<0.01	<2	2	13	<20
JoMaS024		<1	0.03	10	0.44	459	23	0.01	14	1020	7	0.01	2	3	29	<20
JoMaS025		<1	0.02	10	0.24	942	58	0.02	7	1050	3	0.18	<2	1	201	<20
JoMaS026		<1	<0.01	10	0.15	108	5	<0.01	3	720	4	<0.01	<2	2	13	<20
JoMaS027		<1	0.02	10	0.33	290	7	0.01	7	680	4	<0.01	<2	3	26	<20
JoMaS028		<1	0.18	10	0.79	1360	24	0.04	14	890	<2	0.05	<2	4	100	<20
JoMaS029		1	0.05	10	0.44	274	9	0.02	11	460	<2	<0.01	<2	4	32	<20
JoMaS030		<1	0.03	10	0.33	310	6	0.01	9	740	3	<0.01	<2	3	24	<20



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CERTIFICATE OF ANALYSIS VA10178555

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		0.01	10	10	1	10	2
JoMoS017		0.10	<10	<10	52	<10	30
JoMoS018		0.11	<10	<10	63	<10	45
JoMoS019		0.10	<10	<10	59	<10	39
JoMoS020		0.11	<10	<10	65	<10	43
JoMoS021		0.09	<10	<10	57	<10	36
JoMoS022		0.10	<10	<10	60	<10	38
JoMoS023		0.08	<10	<10	64	<10	47
JoMoS024		0.09	<10	<10	89	<10	83
JoMoS025		0.03	<10	10	26	<10	39
JoMoS026		0.07	<10	<10	57	<10	34
JoMoS027		0.11	<10	<10	63	<10	40
JoMoS028		0.16	<10	<10	89	<10	42
JoMoS029		0.14	<10	<10	66	<10	37
JoMoS030		0.11	<10	<10	63	<10	41

Appendix III.

Blank Geochemical Sample Data

Appendix III. Blank Geochemical Sample Data

SampleNo	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg
	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
NHMO10S015	<0.2	0.88	<2	<10	70	<0.5	<2	0.27	<0.5	4	12	9	1.62	<10	<1	0.14	10	0.2
NHMO10S030	<0.2	0.96	<2	<10	80	<0.5	<2	0.29	<0.5	4	12	10	1.74	<10	<1	0.15	10	0.21
MGMO10S015	<0.2	0.91	<2	<10	70	<0.5	2	0.27	<0.5	5	12	9	1.65	<10	<1	0.14	10	0.2
MGMO10S030	<0.2	0.86	<2	<10	60	<0.5	2	0.27	<0.5	4	12	8	1.67	<10	<1	0.14	10	0.2
JOMO10S015	<0.2	1.01	<2	<10	70	<0.5	2	0.28	<0.5	5	13	9	1.79	<10	<1	0.15	10	0.21
JOMO10S032	<0.2	0.93	<2	<10	70	<0.5	2	0.28	<0.5	5	13	9	1.75	<10	<1	0.14	10	0.21
NPMO10S030	<0.2	0.87	<2	<10	50	<0.5	<2	0.27	<0.5	5	12	10	1.63	<10	<1	0.14	10	0.2
NPMO10S045	<0.2	0.93	2	<10	70	<0.5	<2	0.27	<0.5	4	13	11	1.72	<10	<1	0.14	10	0.21
NPMO10S060	<0.2	0.84	<2	<10	60	<0.5	<2	0.26	<0.5	3	13	10	1.68	<10	<1	0.13	10	0.19
NPMO10S055	<0.2	0.92	<2	<10	60	<0.5	<2	0.27	<0.5	4	13	11	1.71	<10	<1	0.14	20	0.21
NPMO10S065	<0.2	0.91	<2	<10	60	<0.5	<2	0.27	<0.5	4	13	11	1.69	<10	<1	0.14	10	0.2
NPMO10S007	0.2	0.9	<2	<10	50	<0.5	<2	0.28	<0.5	5	12	10	1.59	<10	<1	0.14	10	0.2

Appendix III. Blank Geochemical Sample Data

SampleNo	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
NHMO10S015	152	<1	0.03	7	610	2	<0.01	<2	2	22	<20	0.07	<10	<10	34	<10	33
NHMO10S030	161	<1	0.03	7	640	2	0.01	<2	2	24	<20	0.08	<10	<10	36	<10	35
MGMO10S015	153	<1	0.02	6	640	2	0.01	<2	2	21	<20	0.07	<10	<10	34	<10	32
MGMO10S030	149	<1	0.02	7	680	<2	0.01	<2	2	20	<20	0.07	<10	<10	35	<10	32
JOMO10S015	168	<1	0.02	7	650	<2	<0.01	<2	2	23	<20	0.08	<10	<10	37	<10	35
JOMO10S032	163	<1	0.02	7	640	<2	<0.01	<2	2	22	<20	0.07	<10	<10	37	<10	34
NPMO10S030	160	<1	0.02	8	630	3	0.01	<2	2	19	<20	0.07	<10	<10	36	<10	32
NPMO10S045	162	<1	0.02	9	690	2	<0.01	<2	2	22	<20	0.07	<10	<10	38	<10	37
NPMO10S060	157	<1	0.02	8	680	<2	<0.01	<2	2	21	<20	0.06	<10	<10	37	<10	34
NPMO10S055	165	<1	0.02	8	680	<2	<0.01	<2	2	22	<20	0.07	<10	<10	38	<10	36
NPMO10S065	163	<1	0.02	9	700	<2	<0.01	<2	2	23	<20	0.07	<10	<10	38	<10	36
NPMO10S007	160	<1	0.02	7	640	3	0.01	<2	2	21	<20	0.07	<10	<10	34	<10	33

Appendix IV.
Cost Statement

COST STATEMENT

2010 Soil Geochemical Sampling Program, Mo Java Property, Knewstubb Lake Area, by C.J. Greig

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*	
Roy Greig/Sampler	15-Aug	1	\$400.00	\$400.00	
Nick Harrichhausen/Sampler	15-Aug	1	\$350.00	\$350.00	
Neil Prowse/Sampler	15-Aug	1	\$350.00	\$350.00	
James Olson/Sampler	15-Aug	1	\$350.00	\$350.00	
Mairi Greig/Sampler	15-Aug	1	\$350.00	\$350.00	
			\$0.00	\$0.00	
				\$1,800.00	\$1,800.00
Office Studies	List Personnel (note - Office only, do not include field days)				
			\$0.00	\$0.00	
Jeff Rowe/Geologist	Draughting	0.5	\$500.00	\$250.00	
Roy Greig/Sampler	download gps, digitize notes	0.5	\$200.00	\$100.00	
Charles Greig (Geo)	Report preparation, research	2.0	\$600.00	\$1,200.00	
Holly Bidlake/Sampler	sample prep/shipment	1.0	\$350.00	\$350.00	
			\$650.00	\$0.00	
			\$0.00	\$0.00	
				\$1,900.00	\$1,900.00
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Soil		179.0	\$27.50	\$4,922.50	
				\$4,922.50	\$4,922.50
Transportation		No.	Rate	Subtotal	
truck rental (4x4 crew cab)		3.00	\$85.00	\$255.00	
kilometers		1900.00	\$0.45	\$855.00	
Other					
				\$1,110.00	\$1,110.00
Accommodation & Food	Rates per day				
trailer rental	\$150/day	2.00	\$150.00	\$300.00	
Meals	Per diem rate (\$50/day/person)	3.00	\$250.00	\$750.00	
				\$1,050.00	\$1,050.00
Miscellaneous					
Telephone			\$0.00	\$0.00	
Other (Specify)					
				\$0.00	\$0.00
Equipment Rentals					
Field Gear (Specify)			\$0.00	\$0.00	
Other (Specify)					
				\$0.00	\$0.00
Freight, soil samples					
			\$0.00	\$0.00	
			\$0.00	\$0.00	
				\$0.00	\$0.00
TOTAL Expenditures					\$10,782.50

Appendix V.

Statement of Qualifications

I, Charles James Greig, of 250 Farrell St., Penticton, British Columbia, Canada, hereby certify that:

1. I am a graduate of the University of British Columbia with a B.Comm. (1981), a B.Sc. (Geological Sciences, 1985), and an M.Sc. (Geological Sciences, 1989), and have practiced my profession continuously since graduation.
2. I have been employed in the geoscience industry for 30 years, and have explored for gold and base metals in North, Central, and South America, and Africa for both senior and junior mining companies. I also have a number of years of experience in regional-scale government geological mapping.
3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia (license #27529).
4. I am a “Qualified Person” as defined by National Instrument 43-101.
5. I am not aware of any material fact or material change with respect to the subject matter of the technical report that is not reflected in the technical report, the omission to disclose which makes the technical report misleading.
6. I am the President and sole shareholder of C.J. Greig & Associates Ltd., a privately owned British Columbia corporation.
7. I am the author of the report entitled: “2010 Soil Geochemical Sampling Program, Mo Java Property,” dated February 2011. I supervised the work program reported on herein. I am the sole owner of the mineral title constituting the Mo Java property.

Dated at Penticton, British Columbia, this 11th day of February, 2011.

Respectfully submitted,

“Charles James Greig”

Charles James Greig, P.Geol