Geological, Rock and Soil Geochemical Surveys and Trer
Money 1-46 Mineral Claims
Watson Lake Mining District
Yukon Territory
NTS 105 H/5 and 105 G/8
Latitude 61°25'N., Longitude 130°00'W
Including the Period July 5 to October 22, 1995

Prepared for

ATNA RESOURCES LTD.

By

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December 21, 1995

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SUMMARY

Geological mapping, rock chip sampling, a soil geochemical survey and hand trenching were conducted at the Money Claims during July and September 1995. Grid layout for a geophysical survey continued during October.

Fine grained, poorly laminated massive sulfides occur in two locations on the Money Claims. The southern showing which outcrops in Welcome North Creek has a true thickness of +2.2 metres and has returned geochemical values of 0.17% copper (1714 ppm) and 1.0 oz. silver per ton (35.8 ppm). A 1.3 metre chip sample near the same location returned 500 ppb gold. Shale, siltstone and cherty tuff on the eastwall and andesite toward the west are host rocks for the massive sulfide.

In the central part of the Money Claims, massive sulfides compose large float boulders in Boulder Creek. Pillowed andesite or basalt with interbedded siltstone and phyllite outcrop near the massive sulfide boulders. Chip samples of these boulders contain 1.1% copper (11,651 ppm), nearly 1.0 oz. per ton silver (31.9 ppm) and 220 ppb gold. Samples from a silicified and pyritic gossanous talus zone 100 metres southwest of the sulfide boulders returned up to 0.4% copper (3,768 ppm).

Several other gossanous zones are present northwest of the Boulder Creek Showing which contain significant copper values of up to 2.0% (20,388 ppm).

Information gathered during the 1995 season has been combined with previous exploration data to delineate future exploration targets.

Additional geological mapping, soil geochemical and geophysical surveys combined with diamond drilling are recommended. A budget of $166,800 would be required. Subsequent exploration including diamond drilling could require an expenditure of $247,200. The total of these two phases of exploration would amount to $414,000.

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MONEY CLAIMS

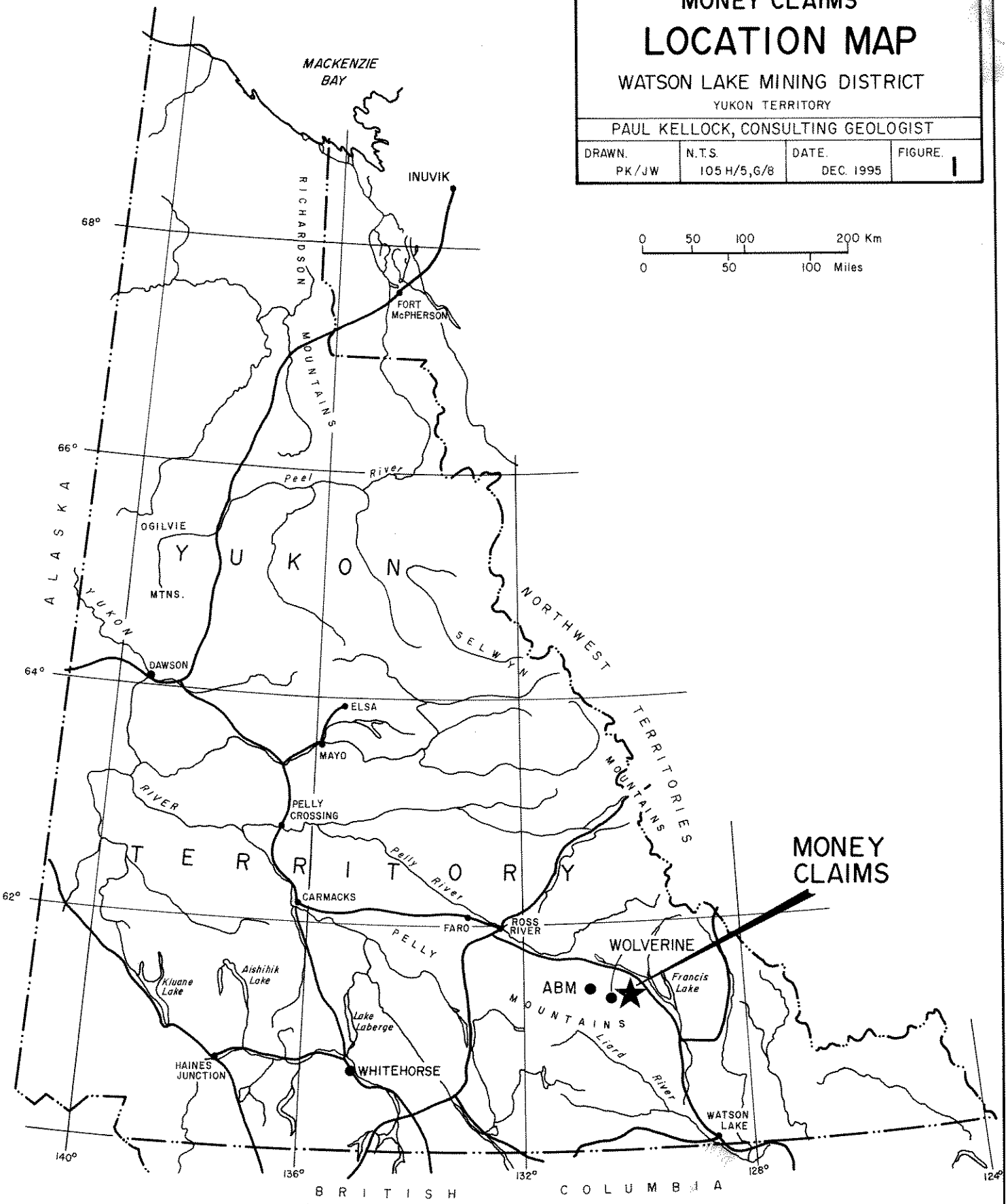
LOCATION MAP

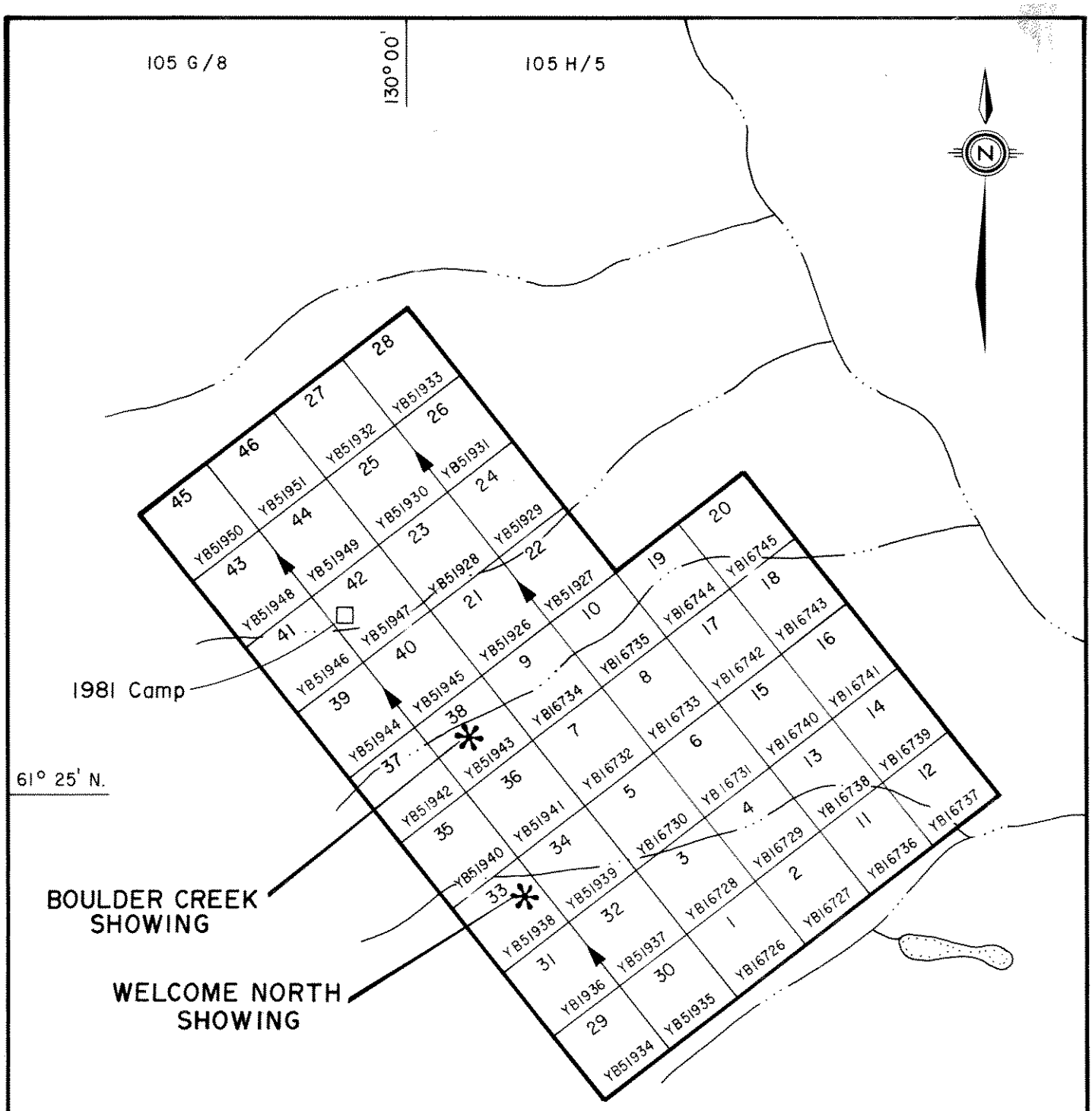
WATSON LAKE MINING DISTRICT

YUKON TERRITORY

PAUL KELLOCK, CONSULTING GEOLOGIST

DRAWN.	N.T.S.	DATE.	FIGURE.
PK/JW	105 H/5,G/8	DEC. 1995	1





SCALE 1/2 mile = 1 inch

0 1500 3000 4500 6000

FEET

ATNA RESOURCES LTD.

MONEY CLAIMS

CLAIM MAP

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

PAUL KALLOCK, CONSULTING GEOLOGIST

DRAWN.	N.T.S.	DATE.	FIGURE.
P.K./J.W.	105 H/5, G/8	DEC. 1995	2

PROPERTY, LOCATION, ACCESS

The Money 1 - 46 mineral claims consist of 46 claims totalling approximately 931 hectares. The claims are registered with the Watson Lake Mining Recorder. The claims are currently under option to Atna Resources Ltd. from YGC Resources Ltd.

Claim Name	Record No.	Expiry Date
Money 1 - 6	YB16726 - 16731	March 20, 2001*
Money 7 - 10	YB16732 - 16735	March 20, 2001*
Money 11 - 20	YB16736 - 16745	March 20, 2001*
Money 21 - 28	YB51926 - 51933	August 31, 2002*
Money 29 - 38	YB51934 - 51943	August 31, 2002*
Money 39 - 46	YB51939 - 51951	August 31, 2002*

*Pending acceptance of this report.

The Money 1 - 46 claims are located near Frances Lake in south central Yukon Territory 11 km southwest of the Robert Campbell Highway and 150 km northwest of Watson Lake. Coordinates which cross the central part of the property are latitude 61°25'N, longitude 130°00'W. Elevation ranges from 1,100 m in the southeast corner to 1900 m at peaks in the northwest corner of the claims. The claims are situated in the Watson Lake Mining District, NTS Map Sheets 105 H/5 and 105 G/8.

The Wolverine Lake massive sulfide deposit of Westmin Resources Limited and Atna Resources Ltd. is 5 km to the west. Cominco's ABM massive sulfide deposit is 30 km toward the northwest.

Access to the property is by helicopter with the nearest bases at Ross River and Watson Lake. Staging and resupply are from the Money Creek Camp, at Francis Lake adjacent to the Campbell Highway, 15 km east of the property.

HISTORY

Massive sulfides were discovered in 1980 by Welcome North Mines Ltd. and Esperanza Exploration Ltd. The property was optioned to Arbor Resources Inc. who carried out geophysical and geochemical surveys in the same year. In 1981 electromagnetic, magnetic and additional geochemical surveys were followed up with three diamond drill holes totalling 329 m funded by a joint venture with Esso Resources Canada Ltd. Later the property lapsed and was restaked by YGC Resources Ltd. in 1990, (Carne, 1991). Brief geochemical sampling and prospecting were carried out in August 1990 by YGC. Additional claims, Money 21 - 46, were staked in August 1994. The property was subsequently optioned to Atna Resources Ltd.

A programme of soil geochemistry, geological mapping and hand trenching was carried out between July 5 and July 14 and between September 10 to 15, 1995 and is the subject of this report. 6.1 km of slope-corrected grid was established from September 23 to October 1, 1995 and electromagnetic survey was completed by Delta Geoscience Ltd. in October 1995. Results of this survey are discussed in this report with text and geophysical data as an accompanying report.

REGIONAL GEOLOGY

Regional geology described by Mortensen, 1985 and by Stroshein, 1994 is summarized as follows:

Several distinct lithologic packages have been identified in the region:

1. A penetratively deformed layered metamorphic sequence (LMS) previously known as the Nasina Quartzite and Klondike Schist. This is an Early Paleozoic metamorphosed volcano-sedimentary assemblage within the Yukon Tanana Terrane (YTT). It was accreted to the North American continent by Late Triassic time and is bounded to the southwest by the Tintina Fault and to the northeast by the Finlayson Lake Fault Zone (Mortensen, 1985).

2. A sheared mafic-ultramafic igneous assemblage; a dismembered ophiolite sequence mapped as the Anvil-Campbell Allochthon (Templeman-Kluit, 1977) and now included in the Slide Mountain Terrane (Monger, 1984). These rocks are exposed in the Campbell Range.

3. Cretaceous and Tertiary volcanic/sub-volcanic and plutonic rocks.

Regionally the LMS is divided into three units totaling three km in thickness. They are as follows:

The Lower unit of Pre-Devonian age is made up of metasedimentary rocks. The middle unit is composed of interlayered metavolcanic and metasedimentary rocks. The metavolcanic rocks include mafic beds of green schist composed primarily of chlorite and commonly biotite, epidote and actinolite. The volcanic rocks have been dated at various localities to be of Devonian age. The upper unit of the LMS consists of light gray limestone interbedded with calcareous quartzite and has been dated as being from Early Pennsylvanian to Early Permian in age. Primary features within the LMS have been obliterated by the intense ductile deformation during Late Triassic to Early Jurassic time. The penetrative foliation is parallel to compositional layering.

Sheared mafic and ultramafic volcanic and plutonic rocks of the Slide Mountain Terrane overly the LMS and are preserved as klippen at elevations above approximately 1,400 m. The assemblage is made up of massive greenstone with associated sediments, mafic and ultramafic gabbroic rocks and serpentine matrix melange.

Late Cretaceous (91 Ma) quartz monzonite plutons intrude all older rock units in the region. Typically the intrusive bodies are elongated and cover and area of 50 to 100 square km.

The Wolverine Lake Massive Sulfide (Fettish) deposit is beleived to be located within the middle unit of the LMS. The Money Claims may lie within the same unit or in an overlying thrust plate composed of the Slide Mountain Terrane.

PROPERTY GEOLOGY

Property geology is shown on the 1:5,000 scale map in (Figure 3 in pocket). The soil geochemistry grid is also shown on the geology map. The baseline of the 1981 survey by Esso Resources Canada is also plotted. The baseline and generated anomalies of the 1995 geophysical survey are also shown on the geology map.

Included in the pocket of this report is a reproduction for figure 2, Compilation Map by Carne, 1991, YGC Resources Ltd. It shows the 1981 baseline and geochemical anomalies and claim boundaries as they were thought to be located prior to the 1995 field season. New survey data indicates that the sulfide showings lie within claims 34 and 38.

The entire area has been glaciated. Large boulders and glacial till mantle the eastern half of the claims. A large boulder terminal moraine covers the upper Camp Creek valley or cirque. Three eastern flowing creeks, Camp, Boulder and Welcome North Creeks cross the claims and empty onto a broad north-south valley, which is a tributory of Money Creek, along the eastern border of the property.

Outcrops are restricted to the western part of the claims; rubble, boulders and talus also cover much of this area. Furthermore, abundant lichen masks the color and texture of rocks making outcrop determination difficult.

Metamorphism grade of rocks exposed on the property is probably lower greenschist facies. Foliation is poorly developed in the volcanics where chlorite, epidote and hematite are common. In areas of sedimentary rock, foliation is appears to parallel bedding.

Stratigraphy

More than 90% of the outcrops at the Money claims are intermediate to mafic volcanics. Previous investigators have called these rocks, basalt. In outcrops, the volcanics are green, dark green or brownish green, suggesting more intermediate affinity, perhaps andesite. For the most part, the volcanics are fine grained. Feldspars and amphiboles are difficult to distinguish. Epidote, hematite and lesser calcite are common especially on pillow rinds. Pillow flows are particularly discernible where vertical cliffs afford clean, visible exposures.

Volcanic breccia, tuffs and calcite or crystalline limestone are less commonly seen within the andesite. Jointing or sheeting is common but was not felt to be restricted to a particular mappable, distinct unit.

Within the andesite and/or basalt flows, occasional outcrops of tuffaceous sediments, siltstone, slate, phyllite and/or chert can be found. These units are generally finely bedded or laminated. Maroon to green colors due to hematite, chlorite and epidote are most common. Hardness varies from soft, almost talcose to hard, cherty or siliceous. Continuity along strike of the sedimentary units appears to be strongest north of the Boulder Creek Showing where a sharp, straight, narrow gully extends 125 metres

up to a plateau. Maroon slate and light green siltstone in this gully appear to strike towards the massive sulfide float boulders.

In Welcome North Creek, adjacent to the massive sulfide outcrop, a sedimentary unit has at least 35 m of thickness. Here, however, the visible strike length is limited to less than 50 m due to talus and overlying volcanic flows.

There are at least two sedimentary horizons exposed in each of the three major creeks on the claims. However, rock exposures between creeks are sparse and possible folding makes correlation of sedimentary units speculative.

Finally, it should be noted that the massive sulfides themselves, banding especially those of Welcome North Creek, appear to be strataform. The crude banding and the east contact are both conformable with bedding in the adjacent sedimentary rock. Poorly layered massive sulfide float boulders in Boulder Creek are situated near a North-south sedimentary horizon within the volcanic flows.

Structure

Faulting is apparent 50 m east of the Boulder Creek Showing where shearing, bearing 310°, 50°N in the soft green andesite flow or tuff is approximately parallel in altitude to foliation . Limonite, manganese and malachite are present and ferricrete is developed over this narrow zone on the south side of Boulder Creek. In the 1981 drill log descriptions, sections with minor fault gouge were observed in each of the drill holes. They can not be correlated with any surface features.

A topographic linear exists between 1981 targets "E", "B" and "C", exhibited by gossans at "E" and "B" and slope change at "C", (Aird, 1981). This linear or fault(?) zone may extend southeast toward the Welcome North Showing and northwest diagonally across upper Camp Creek cirque toward sulfide bearing siliceous zones in the area of samples PK-MC-95-15, 16, or 19.

Strong folding was observed at only one location 275 m. downstream (east) from the Welcome North Showing. On the north stream bank green and brownish-gray, north-trending, metasediments dip from 50°E to 56°W, showing a subhorizontal axial plane.

Geological mapping has not established whether the sedimentory units are at differing stratigraphic positions or if they are repeated as a result of structural stacking by isoclinal folds and/or thrust faulting.

Mineralization

Stratiform massive sulfide mineralization is exposed in a single outcrop in Welcome North Creek. Hand trenching has exposed a minimum true width of 2.2 m. The crudely layered massive pyrite contains narrow siliceous seams parallel to the east wall which dips steeply to the east. Hanging wall (east wall) rocks include 1.5 m of green to black shale followed by 0.1 m of gossan (probably originally massive pyrite). Continuing eastward, presumably up-section, are 1.5 m of green blocky fractured

siltstone overlain by 15 m of maroon siltstone and slate which is gradational into 25 m of tan to cream-colored cherty tuff. West of the massive sulfides, 2 metres of overburden obscure bedrock adjacent to cliffs of andesite. Seven metres north of the massive sulfides, across Welcome North Creek, two large boulders of massive pyrite appear to have weathered nearly in-place or been slightly transported southward with talus and rubble from the stream bank.

The massive sulfides and associated sediments and tuffs at Welcome North Creek lie within a steeply incised valley with volcanic flows apparently bounding on three sides. One diamond drill hole cored in 1981 to test the showing did not encounter significant sulfide mineralization. Drill hole profiles, compiled from surface mapping and drill logs from the 1981 programme, have been drawn and are included in the back of this report.

At Boulder Creek , approximately 1.0 km northwest of the Welcome North Showing, more that a dozen large (up to 1.0 m in diameter) massive pyrite boulders are concentrated at one location in the stream bed. The boulders are near their origin, probably within a few metres of their source. Like the Welcome North Showing, the massive pyrite is fine to medium grained and displays crude banding both in texture and composition with minor chalcopyrite. Silica bands are fewer therefore sulfide content probably approaches 90% in some boulders.

Adjacent to the boulders, on the south stream bank are outcrops of light tan to light green weakly siliceous, fragmental(?) phyllite with foliation bedding 335° 72°N.

In 1981 two diamond drill holes were cored to test the Boulder Creek Showing. DDH-1, directed south of the boulders, encountered massive pyrite fragments at the contact with green laminar, fissile mafic tuff at 27m depth. This unit may correspond with the phyllite on the south bank near the massive pyrite boulders. More intriguing is the 8.0 m intersection of 20% pyrite with chalcopyrite in a mottled green and white tuff at 90 m depth. This intersection may correspond with the large gossan on the south side of Boulder Creek.

DDH 81-2, drilled from the same location as DDH 81-1 and bearing 295°, directly below the massive sulfide boulders, encountered 1.2 m of massive pyrite with chalcopyrite at 60 m and a much wider section of 15% - 25% sulfides at 81 to 112 m depth, which was over 30 m in core length.

On the south side of Boulder Creek valley, between 100 and 200 metres southwest of the Boulder Creek Showing is a large iron stained talus zone referred to as the Boulder Creek Gossan. At the upper portion it is over 100 m wide with an apron of talus which trails northerly 250 m down to Boulder Creek where it terminates just 30 m above the massive sulfide boulders. There are numerous cobbles of intensely silicified, pyritic material. More rarely, siliceous cobbles contain 3 - 5% chalcopyrite. Visually, the host rock of this sulfide mineralization appears to be a fine grained felsic volcanic or intrusive but the strong hydrothermal alteration probably masks a more intermediate original composition.

Another area which appears very similar to Boulder Creek Gossan occurs on the south side of the Camp Creek valley. This gossanous area is reflected by a 1981 VLF-EM target designated "E" and the 1995 Geophysical Target "A". An intensely silicified and pyritic core and less strongly altered andesite margin grade into chlorite and epidote altered pillowed andesite. Float samples from talus derived from the west side of the gossan contain chalcopyrite with copper values up to 3.3%.

Another gossan is present south of Camp Creek. It is a relatively small gossan zone being less than 40 m wide, but it also has strongly silicified, pyritic andesite with local chalcopyrite. It is coincident with the southeast extension at 1995 geophysical anomaly A.

Ferricrete (iron oxide cementing gravel) is extensively developed along the north bank of Welcome North Creek 50 m east of the massive sulfide showing. It forms a 2-3 m high bluff and extends at least 50 m downstream. Similar, although much smaller ferricrete development is present below the Boulder Creek Showing.

SOIL GEOCHEMISTRY

1995 soil sample locations and grid layout are shown on Figure 8 in the back pocket of this report. Grid was surveyed by hip chain and compass. Flagging was used to mark the lines and sample sites. Wooden pickets mark the baseline. A total of 30 km of grid line was established for the geochemical survey. A total of 586 samples were collected and analyzed for 32 elements by ICP plus an AA gold finish. Samples were collected from 25 to 50 cm below the surface with a mattock or long blade shovel. Analysis was carried out by Acme Analytical Laboratories Ltd. of Vancouver, B.C.

Copper

Subjectively using a value of 100 ppm (parts per million) copper as being significant, 103 of the total 586 sample sites are noteworthy. These are concentrated primarily in four anomalous areas.

Anomaly "A"	From 0+50 to 5+00S on the Baseline and possibly extending to line 8+00S, 1+00E to 2+50E, includes 14 samples with values up to 2109 ppm. This area includes the Boulder Creek Showing, the Boulder Creek Gossan and extends to within 350 m of the Welcome North Showing. This anomaly coincides with the 1981 survey but appears to extend farther south than the previous survey.
Anomaly "B"	From 2+50N to 5+50N on the Baseline, seven samples contain values between 100 and 278 ppm. These also fall within the 1981 geochemical anomaly which include targets "D" and "E".

Anomaly "C"	These high values are primarily located along line 2+00S, 10+00E to 21+00E but also include samples to the north and south. At least 30 samples are anomalous with a high of 2894 ppm. Several of the 1990 soil geochemical survey samples which were collected along the claim line appear to lie within this anomaly.
Anomaly "D"	Line 12+00S from 12+50E to 17+50E and extending north and south has 17 samples with 100 to 150 ppm copper. Two of the elevated copper soil geochemical samples from the 1990 survey appear to fall within this zone.

Several other small areas have copper values > 100 ppm. Some are east and south of the Welcome North Showing and several occur in the hills north of Camp Creek.

Gold

Only 12 soil samples contained over 10 ppb (parts per billion) gold. Highest value is 270 ppb Au. All high values are isolated, single point sources. Two high samples occur within copper anomaly "D". Another is present near Welcome North Creek, 300 m below the massive sulfide showing. One sample value of 19 ppb gold occurs in anomaly "A" coincident with 942 ppm copper. Finally, several single point high values occur north of Camp Creek.

Mercury

169 soil geochemical samples were analyzed for trace amounts of mercury. These include the baseline and lines 10+00N, 12+00N and 14+00N. Values range from 35 to 3,215 ppb. Sixteen samples contain more than 200 ppb mercury. At copper anomaly "A", four samples have anomalous mercury values. And at 0+50N the highest value of 3215 ppb Hg occurs adjacent to anomaly "A" (and along the projected north trend of the Boulder Creek massive sulfide).

On line 10+00N between 1+25E and 2+75E, four samples contain up to 570 ppb Hg. Northwest extension of this mercury may include 1595 ppb at 12+00N, 0+00E and 255 ppb at 12+00N, 1+25E.

ROCK GEOCHEMISTRY

34 rock samples were collected from various mineralized areas at the Money Claims. Locations have been plotted on the Geology Map. Analyses for 32 elements by ICP method plus AA gold finish were carried out by Acme Analytical Laboratories Ltd. of Vancouver, B.C. Analytical procedures and certificates of analysis are included in the Appendix as rock sample descriptions.

Welcome North Showing

Three rock chip samples were collected from the fine grained massive pyrite showing at 1,410 m elevation in Welcome North Creek. Sample PK-MC-95-25, a continuous channel sample, was collected after hand trenching had exposed 2.2 metres (true width) of sulfides. The sample contained approximately 80% pyrite and 20% interstitial or crudely banded quartz. Analyses returned 1,714 ppm (0.17%) copper and 35.8 ppm silver. Sample PK-MC-95-13, a 1.5 m chip sample from the eastern portion of the outcrop, collected prior to trenching contained 902 ppm copper, 26.0 ppm silver, 500 ppb gold and 3,420 ppb mercury. Grab sample PD-M-95-9 contained 3,101 ppm (0.31%) copper, 41.9 ppm silver and 460 ppb gold.

Boulder Creek Showing

Sample PK-MC-95-07 is a chip sample from one of more than a dozen large massive sulfide boulders up to 0.75 m in diameter, clustered in Boulder Creek a 1,435 m elevation. The sample of crudely layered pyrite with 5% chalcopyrite contained 11,651 ppm (1.2%) copper, 31.9 ppm silver, 220 ppb gold and 710 ppb mercury. Sample PD-M-95-8 representing chips from another one of the boulders contained 7,690 ppm (0.77%) copper, 26.3 ppm silver and 430 ppb gold.

Rock chip samples of outcrops from the general area of the massive sulfide float in Boulder Creek returned elevated copper values. Twenty metres toward the north, red jasperoid hosted in green pillowed andesite contains 610 ppm Cu. Fifty metres downstream toward the east sample PK-MC-95-21, a sheared tuff (?), contained 503 ppm Cu. However, the strongest altered zone and visually impressive area lies south of Boulder Creek and extends from 30 to 250 m up the talus slope from the massive sulfide boulders and is referred to as Boulder Creek Gossan. Abundant rusty brown silicified and limonitic float locally contains semi-massive sulfides such as sample PK-MC-95-10 which also displayed quartz with chalcopyrite. This sample returned 2,475 ppm (0.25%) copper. Seventy metres east of sample #10, sample PK-MC-95-03, strongly silicified and epidote bearing andesite float which had traces of malachite and limonite on fractures, contained 3,768 ppm (0.38%) copper.

Camp Creek Gossan "E"

The largest gossan on the south side of Camp Creek at 1,600 m elevation, corresponds to 1981 geophysical anomaly "E" (Aird,1981) and 1995 geophysical target "A". It appears to be a weak to moderate silicified andesite with several percent pyrite which gives the rocks and talus the prominent rusty color. Locally within the gossan are strongly silicified zones with up to 70% pyrite such as sample PK-MC-95-22 which contained 748 ppm copper and 99 ppb gold. In the talus below and west of the gossan, numerous chalcopyrite bearing float samples of silicified andesite which also contains abundant pyrite and local sphalerite show sulfides as disseminations and as stringers. Samples PD-M-95-1 through 95-7 and samples PK-MC-95-04 and 95-05 are float samples from this area. Values up to 33,025 ppm (3.3%) copper, 1,530 ppm (0.15%) zinc, 11.6 ppm silver and 31 ppb gold have been analyzed in these samples.

Camp Creek Gossan "D"

Three hundred metres east of gossan "E" is a smaller rusty zone in andesite outcrop and talus which probably corresponds to 1981 geophysical target "D" (Aird, 1981). Sample PK-MC-95-14 which contained 5,987 ppm (0.6%) copper showed moderately silicified andesite with strong surficial iron oxide, several percent pyrite and lesser chalcopyrite.

Several rock samples have been collected from areas outside of the four previously described targets. For example, in the Camp Creek cirque near the northwest corner of the Money claims, several silicified and/or narrow brecciated zones or boulders were sampled such as PK-MC-95-15 which contained 312 ppm Cu, 384 ppm Zn and 38 ppb Au. In other areas, narrow tuffaceous sedimentary beds such as PK-MC-95-17 in Camp Creek or PK-MC-95-24 in Welcome North Creek were sampled and found to be barren.

TRENCHING

Trenching with pick and shovel were carried out at the Welcome North and Boulder Creek massive sulfide showings. Maps of each of the trench areas are included in this report.

At Welcome North Creek, a 4 x 2 x 2 m trench expanded the exposure of massive pyrite outcrop to a true width of 2.2 m. Boulders and talus remain on the west side of the trench. The sulfide contact with green and black shales on the east wall is sharp. About 1.5 m into the east wall is a gossan bed with strong hematite boxwork structures. Above the narrow gossan, several small massive sulfide cobbles were found which appeared to be weathering in-situ, indicating the presence of a parallel sulfide bed or lense.

Eight metres north of the massive sulfide exposure are two large massive sulfide boulders with 60-70% pyrite. A 2 x 1 x 1 m trench was excavated in the bank above these boulders and a small amount of limonite in andesite (?) was found.

At Boulder Creek a 4 x 1.5 x 1.5 m trench was excavated on the south stream bank adjacent to the massive sulfide boulders. Additional soft, green phyllite was exposed but no massive sulfides were found nor were maroon siltstone and slate which are more common in the gully 100 m north of the showing.

GEOPHYSICS

Between October 1 and 18, 1995 a Horizontal Co-Planar Loop Electromagnetic (Maxmin) survey was completed at the Money Claims by Delta Geoscience Ltd. The axial planes of conductor generated at 7,040 hz. have been plotted on the 1:5,000 geology map in the back of this report. The entire text and data of the geophysical survey accompany this report. Four anomalies A through D were selected by their

conductive signature. Of these four, A and C show coincident geological features of interest.

Anomaly C, which lies between Welcome North and Boulder Creek massive sulphide showing has a 325° bearing which is similar to bedding attitudes of sedimentary units associated with the massive sulfide showings. Boulder and Welcome Creek have incised drainage. There may be as much as 50 m between the valley floors where the showings are located to the edge of the gently sloping plateau which separates the two creeks. The depth to the top of Anomaly C was estimated to be 30 m.

Anomaly D and part of Anomaly A trend 275° which may reflect structural features more than stratigraphy. However, Anomaly A includes the two gossanous areas on the south side of Camp Creek and Anomaly E and D from the 1981 Geophysical Survey. It appears to widen and change direction toward the north end of the anomaly.

Anomaly D (from the 1995 Survey) is parallel to Welcome North Creek and trends perpendicular to attitude of the massive sulfide exposure.

DISCUSSION

The andesitic volcanics at the Money Claims appear to be of weak metamorphic grade, probably sub-greenschist. Numerous areas show undeformed pillowed lavas rimmed by epidote and hematite. This does not fit well with Mortensen's regional description of the layered metamorphic sequence which shows intense ductile deformation obliterating primary features. Foliation measurements on the property are not consistent with the shallow easterly dipping regional trend.

Extensive alluvial deposits in the area of line 2+00S suggests that the strong copper soil geochemical anomaly represents transported material from Boulder Creek.

Extensive ferricrete development at Welcome North Creek is probably derived from iron sulfides weathered from the massive sulfide showing.

The 1995 Geophysical Survey has delineated a series of weak conductors between the Boulder and Welcome North Showings. The top of the conductor was estimated to be 30 m. Dip appears to be moderate to sleeply east. Outcrop is sparse in this area. Float and talus are mostly andesite. The area is gently sloping and approximately 50 m above creek elevation at the showings. It is feasible that covered or "blind" stratiform sulfide bodies are responsible for this geophysical anomaly.

CONCLUSIONS

The eastern half of the Money Claim Group is mantled by a mix of glacial till and alluvial outflows from Camp, Boulder and Welcome North Creeks. The western half of the property has greater relief and numerous outcrops project through rubble and talus and are seen in numerous vertical cliffs. Over 90% of outcrops are composed of intermediate to mafic volcanic flows and pillowed lavas which may be part of the Middle Unit of the Layered Metamorphic Sequence of Devonian age or part of the overlying thrust sheet of the Slide Mountain Terrane. Within and between the volcanics are breccia and tuff and lesser siltstone, shale, slate and phyllite units. Orientation of bedding and foliation is generally northerly with moderate dips toward the east. Folding and faulting are in evidence but not conspicuous. Two occurrences of stratiform massive sulfide are present on the property. At Welcome North Creek crudely layered massive pyrite occurs at the interface between epidote altered andesite on the west and cherty maroon to green siltstone and tuff on the east. One km to the north, large, massive sulfide boulders are clustered in Boulder Creek. Host rocks, sulfide character and content is similar to the Welcome North Showing. Both sites were partially tested at depth by diamond drilling in 1981. Drilling results are in conclusive and additional drilling is warranted.

The soil geochemical surveys from 1981 and 1995 show anomalous copper values in the Boulder Creek area and at both gossans in Camp Creek. These are also delineated as geophysical targets "B", "D" and "E" in the 1981 exploration.

During the 1995 soil geochemical survey two large areas, Anomaly "C" and Anomaly "D" were found to contain high copper in soils. Anomaly "C" with values up to 2894ppm copper, is thought to be a result of outwash from the massive sulfide occurrence in Boulder Creek. Anomaly "D" is situated in the Welcome North outwash fan and may also be caused by alluvial concentrations.

Elevated gold values (greater than 10 ppb) in the 1995 survey were weak and broadly dispersed. Elevated mercury values however, had a close association with known mineral occurrences and could be of further use in other detailed geochemical sampling. Lead and zinc did not exhibit strong signatures.

The Horizontal Loop EM geophysical survey carried out in October 1995, accompanies this report. The survey has delineated several conductive zones. They occur as linear features in two different trends. The most intriguing zone "C" extends between the Welcome North and the Boulder Creek massive sulfide showings bearing 325°. This conductive zone may reflect the massive sulphide mineralization encountered in DDH 81-1 and 81-2. A bulbous western extension of this zone underlies the Boulder Creek Gossan.

Anomaly A, near Camp Creek coincides with two gossanous areas and appears to change direction and widen toward the north.

RECOMMENDATIONS

A geological setting of volcanics with intercalated sedimentary horizons; proximity to recently discovered statiform massive sulfides near Wolverine Lake and Finlayson Lake; the presence of stratiform massive sulfides with coincident geochemical and geophysical anomalies, make the Money Claims an attractive exploration property. An aggressive exploration programme utilizing geochemistry, geophysics, geological mapping and diamond drilling is recommended.

Soil geochemical and Horizontal Loop EM geophysical survey lines should be added to the area between Camp and Welcome North Creeks east of the present geophysical grid. Detailed geological mapping combined with rock geochemistry of intercalated tuff and sedimentary horizons may help delineate the association between these units and massive sulfide showings.

Drill targets include extensions of the Welcome North and Boulder Creek Showings, the 1981 geophysical target "B" and geophysical targets "A" and "C" generated in the 1995 survey. At least six drill holes amounting to 600 metres would be required.

Phase 2 exploration would consist of additional diamond drilling at targets generated in Phase1.

COST ESTIMATE

Exploration at Money Claims

Phase 1			
Geochemical Survey		$ 3,000	
Geophysical Survey		5,000	
Geological mapping and rock geochemical survey		3,000	
Diamond drilling, 600 m @ $120/m		72,000	
Assays		3,000	
Camp, support and food		3,000	
Helicopter support		35,000	
Vehicles, fuel		5,000	
Engineering, geological supervision		6,000	
Reporting		4,000	
		139,000	
Contingencies @ 20%		27,800	
	Sub-total		$166,800
Phase 2			
Diamond drilling, 1000 m @ $120/m		$ 120,000	
Assays		3,000	
Camp support and food		5,000	
Helicopter support		60,000	
Vehicle, fuel		5,000	
Engineering, geological supervision		8,000	
Reporting		5,000	
		206,000	
Contingencies @ 20%		41,200	
	Sub-total		247,200
Total Phases 1and 2			$414,000

Results of each Phase should be compiled into an engineering report; continuance to the subsequent Phase should be contingent upon favourable conclusions and recommendations from an Engineer.

Vancouver B.C. December 21, 1995

Paul Kallock, P.Geo.
Consulting Geologist

GEOLOGICAL ASSOCIATION OF CANADA
PAUL KALLOCK
FELLOW

STATEMENT OF EXPENDITURES
MONEY 1 - 46 MINERAL CLAIMS

CANADA) In the matter of an evaluation program on the
) Money 1 - 46 Mineral Claims

I, Paul Kallock, for Atna Resources Ltd., #900 - 409 Granville Street, Vancouver, British Columbia do solemnly declare that a program consisting of geological mapping, geochemcial geophysical and trenching survey work carried out on the Money 1 - 46 Mineral Claims during the period of July 2 to October 22, 1995.

The following expenses were incurred during the course of this work and in the compilation and reporting of the results. These expenses have been divided into two groups by work periods. The first expense period included fieldwork from July 2 to August 11, 1995 and is apportioned to the 3 Money Claim groups and ceritifcate of work filed with the Watson Lake Mining district on July 31, 1995 by Peter DeLancey, geologist.

The second work period from September 10 to October 22, 1995 in the total amount of $49,530.76 is to be applied for renewal in the maximum amount of $16,000 to each of groups, Money I, Money II and Money III. Certificates of work for this period are enclosed.

MONEY 1 - 46 MINERAL CLAIMS
July 2 - 15 and August 11, 1995
Geological Mapping, Rock and Soil Geochemistical
Survey and Trenching Investigations

PROFESSIONAL FEES AND WAGES :

Peter R. DeLancey, P.Geo.			
3 days @$300/day		$ 900.00	
Paul Kallock, P. Geo.			
13 days @$350/day		4,550.00	
William Kahlert, Field Assistant			
13 days @$150/day		1,950.00	
John Richmond, Geologist			
1 day @$100/day		100.00	$ 7,500.00

EXPENSES : (expenses prorated)

Equipment Rental			
Camp/Tool/Field Equipment			
13 days @$25/day	$ 325.00		
Chain Saw			
13 days @$8/day	104.00		
Generator			
13 days @$10/day	130.00		
VHF Radios (3 units)			
13 days @$3.5/unit/day	136.50	695.50	
Helicopters			
Mob/Demod/Supply		4,351.50	
Vehicle Rental			
Chevrolet Suburban 4 WD			
14 3/4 days @$60/day		885.00	
Assays		2,781.64	
Camp Supplies (Groceries)		251.37	
Telephone		39.70	
Travel			
Airfares	214.20		
Board & Room	396.18		
Gas	124.30		
Tire Repair	23.60	758.28	9,762.99
TOTAL :			$17,262.99

MONEY 1 - 46 MINERAL CLAIMS
For Field Work from September 10 to October 22, 1995
including Soil Geochemical Survey and Grid Layout
and Geophysical Survey with Grid Layout

PROFESSIONAL FEES AND WAGES :

Paul Kallock, P. Geo.			
8 days @$350/day		$ 2,800.00	
William Kahlert, Field Assistant			
37 days @$150/day		5,550.00	
Kris Carruthers, Field Assistant			
10 day @$150/day		1,500.00	$ 9,850.00

EXPENSES : (expenses prorated)

Equipment Rental			
Camp/Tool/Field Equipment			
37 days @$25/day	$ 925.00		
Generator			
37 days @$10/day	370.00		
Telephone radio			
37 days @$10/day	370.00		
VHF Radios (3 units)			
37 days @$3.5/unit/day	388.50	2,053.50	
Helicopters			
Mob/Demod/Supply		16,077.11	
Vehicle Rental			
Chevrolet Suburban 4 WD			
37 days @$60/day		2,220.00	
Geophysics		11,050.00	
Airfreight	799.06		
Assays		5,006.32	
Camp Supplies (Groceries)		284.73	
Expediting		418.52	
Travel			
Airfares	1,005.00		
Board & Room	372.55		
Gas	317.84		
Meals	226.13		
Transportation	50.00	1,971.52	39,880.76
TOTAL :			$49,730.76

Notes :

1. Wages are based on actual man days spent on the property.

2. Helicopter charged are based on actual hours flown.

3. Assay charges are based on actual numbers of samples from the property.

4. General expenses (all other costs) are prorated according to man days allocated to each property.

Declared before me at Vancouver in)
the Province of British Columbia this)
21st day of December 1995)

A Commissioner for Oaths for, or
Notary Public for the British Columbia

GEOLOGIST'S CERTIFICATE

I, Paul Kallock, do state that I am a Consulting Geologist, and reside at 29031 Pioneer Hwy. Stanwood, Washington, USA.

I further state that:

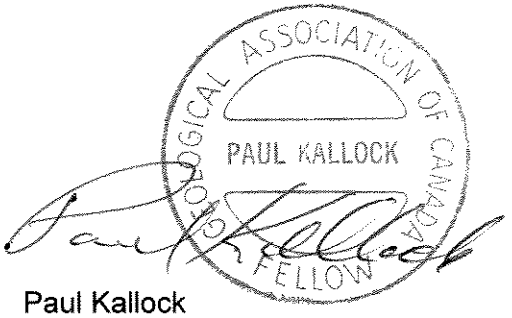
1. I have a Bachelor of Science degree in Geology from Washington State University. I am a Fellow of the Geological Association of Canada and a member of the American Institute of Mining Engineers.

2. I have engaged in mineral exploration since 1970, both for major mining and exploration companies and as an independent geologist.

3. I have authored the report entitled "Geological, Rock and Soil Geochemical Investigation, Money 1-46 Mineral Claims, Yukon Territory". The report is based on my fieldwork carried out on the property and on previously accumulated geologic data.

4. I have no direct or indirect interest in any manner in either the property or securities of Atna Resources Ltd. or its affiliates, nor do I anticipate to receive any such interest.

5. I consent to use this report in a prospectus or in a statement of material facts related to the raising of funds.



Vancouver, B.C.
December 21, 1995

Paul Kallock
Consulting Geologist

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APPENDIX

ROCK SAMPLE DESCRIPTIONS
Money Creek Project, Yukon

PKMC-95-01

Grab sample of dark green phyllitic metasediment, possibly tuffaceous; traces limonite;elev. 1330 m. Boulder Creek valley, southside

PKMC-95-02 2+00S, 0+75E

Chips of float boulders from gossan in Boulder Creek valley, south side; 25-30% fine to medium crystalline cubic pyrite in white siliceous strongly altered rock, abundant boxwork from leached pyrite.

PKMC-95-03 3+00S, 0+65E

Chips of float from andesite outcrop area east of gossan; strong quartz, epidote with traces malachite, weak limonite

PKMC-95-04 4+30N, 3+50W

Talus boulder with 3 - 5% chalcopyrite in 10 -15% total sulfides, mostly pyrite; fine grained silicified andesite (?) with moderate epidote and several percent malachite.

PKMC-95-05 4+25N, 3+20W

Located in talus float below Camp Creek gossan; 20% sulfides (not layered) in siliceous metavolcanic; 5% chalcopyrite, 15% pyrite; strong surfical limonite.

PKMC-95-06 1+70S, 1+25E

Grab sample from outcrop of red jasperoid, very siliceous with numerous hairline quartz stringers, hosted in green pillowed andesite.

PKMC-95-07 1+88S,1+25E

0.25 m chip sample along one edge of massive sulfide boulder in Boulder Creek; 15% chalcopyrite, 65% pyrite; generally fine grained, weakly layered.

PKMC-95-08 ~3+00S, 2+75E

5 -10% pyrite in intermediate tuff (?) showing flow (?) texture; small dark lithic clasts and rotated quartz clasts: from N-S 60 E gully, 150 m. southeast of DDH 1+2.

PKMC-95-09 0+00N, 2+60S

Grab of float of intensely silicified intrusive (?) from large gossan in Boulder Creek area; 20% disseminated cubic pyrite.

PKMC-95-10 2+50S, 0+55W

Chips of several float cobbles of semi-massive pyrite (40 - 50%) and several quartz rich cobbles with 3 - 5% chalcopyrite.

PKMC-95-11 0+45S, 0+90E

0.2 M chip sample of banded maroon and green siltstone with 5 cm of breccia at hanging wall contact with pillowed andesite.

PKMC-95-12 1+95S, 1+30E

Gray to greenish gray phyllite trending N 5°W 85°E with 3 - 4% pyrite; outcrop chip sample, 0.2 m, located 3 m south of Boulder Creek massive sulfide.

PKMC-95-13

Welcome North Creek massive sulfides at elev. 1410 m; grab sample of 1.5 m exposure, 80% pyrite, 20% quartz; south side of creek.

PKMC-95-14 3+00N, 0+25E

Grab sample of moderately siliceous green andesite with strong surficial iron oxide; 2 - 3% chalcopyrite, 3 - 5% pyrite.

PKMC-95-15

Head of Camp Creek cirque in saddle trending N70°W, hematitic andesite; weak limonite.

PKMC-95-16

Head of Camp Creek cirque; 50 m north of saddle; platy siliceous andesite, 3 - 5% disseminated pyrite, strong limonite; trends S60 E, 5 m wide felsenmeer.

PKMC-95-17 5+30N, 1+25W

South bank of Camp Creek, 1.0 m chip sample of cherty green phyllite, minor local folding.

PKMC-95-18

In Camp Creek cirque; grab sample of float boulders: pyritic greenish tan shale or argillite; pyrite to 3%.

PKMC-95-19

Small boulder train of talus of limonitic weathered siliceous gray breccia with very fine grained dark gray pyrite matrix, trace of chalcopyrite, boulders may average 20 - 25% sulfides; no visible similar outcrop; Elev. 1715 m north side of Camp Creek cirque.

PKMC-95-20 1+95S, 1+48E

18 m downstream from Boulder Creek VMS is ferricrete with jasperoid cobble; chips of one red cobble with 1% gray metallic.

PKMC-95-21 2+12S. 1+78E

N 50°W 50°N shear (?) zone approximately parallel to foliated green soft tuff (?): strong limonite, manganese, commonly with malachite; area shows overlying ferricrete.

PKMC-95-22 3+63N, 3+05W

Chip of 15 cm of massive pyrite; 60 - 70% pyrite, 30 - 40% quartz; veins and pods are discontinuous with irregular orientation; comes from a 2 m by 2 m siliceous bleached andesite or possibly cacite; target "E" 1981.

PKMC-95-23

Grab sample from a 4 m wide zone of andesite with localized iron oxide containing up to 10% pyrite; located 90 m upstream from Welcome North Creek massive sulfides.

PKMC-95-24

1.0 m wide chip sample from bed of maroon siltstone and slate trending N25°W 50°E, traces of black sphalerite in adjacent quartz, epidote vein; 40 m upstream from Welcome North Creek VMS.

PKMC-95-25

Chip sample across 2.2 m true width of 70 - 75% massive fine grained pyrite from outcrop exposure in trench of Welcome North Showing.

PDM-95-1

Near Camp Creek, south talus side, below rusted zone, (1981 target "E"), siliceous, pyritic andesite with minor chalcopyrite, local "bands" of fine grained pyrite.

PDM-95-2

Elev. 1,560 m; siliceous andesite with disseminated chalcopyrite, silicified and fractured.

PDM-95-3

Elev. 1560 m; lense of massive pyrite/chalcopyrite.

PDM-95-4

Elev. 1560 m; siliceous andesite (?), with disseminated pyrite and local sphalerite.

PDM-95-5

Near PKMC-95-05; silicified andesite with chalcopyrite and pyrite disseminations and stringers, local sphalerite.

PDM-95-6

Near PKMC-95-05; Semi-massive pyritic and silicified andesite (?).

PDM-95-7

Near PKMC-95-05; strongly silicified andesite breccia disseminated pyrite and minor chalcopyrite and sphalerite as good stockwork mineralization.

PDM-95-8

Boulder Creek massive sulfide boulders: 95%pyrite, 5% chalcopyrite; crudely banded, looks like pyrite replacement and silicification.

PDM-95-9

Welcome North Creek massive sulfide; crudely banded and siliceous, 2 m wide; similar setting to Boulder Creek massive sulfide.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Atna Resources Ltd. PROJECT BLUE SHEEP File # 95-3284 Page 1

900 - 409 Granville St., Vancouver BC V6C 1T2 Submitted by: Peter DeLancey

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
PD-M-95-1	4	614	37	379	.5	45	28	582	5.46	6	<5	<2	<2	9	3.1	<2	<2	128	2.91	.029	1	147	2.17	8	.40	<3	1.64	.02	.05	<2	8	1	4
PD-M-95-2	2	10411	18	99	3.5	32	20	689	4.15	<2	<5	<2	<2	11	2.7	<2	3	86	3.07	.023	1	93	2.27	6	.27	<3	1.72	.02	.01	2	7	<1	1
PD-M-95-3	8	33025	11	277	11.6	87	137	888	23.06	7	<5	<2	<2	3	.3	<2	<2	118	.24	.010	1	179	3.71	5	.27	<3	2.98	.01	.01	4	10	<1	29
PD-M-95-4	15	1452	19	1530	1.1	26	42	370	8.54	15	<5	<2	<2	5	6.8	<2	<2	85	.07	.005	<1	44	2.17	5	.27	<3	1.50	.01	.02	<2	6	<1	21
PD-M-95-5	<1	2330	9	681	1.4	26	44	777	8.05	<2	<5	<2	<2	4	9.3	<2	<2	79	.96	.019	1	52	3.33	19	.08	<3	2.28	<.01	.01	<2	<1	<1	4
PD-M-95-6	5	282	13	96	<.3	33	57	415	14.45	10	<5	<2	<2	1	<.2	<2	<2	69	.07	.004	<1	63	2.33	7	.14	<3	1.62	<.01	.01	<2	1	<1	6
PD-M-95-7	3	516	23	1037	.5	25	18	276	4.04	15	<5	<2	<2	1	2.6	<2	<2	71	.27	.017	<1	37	1.37	35	.32	<3	.99	.02	.08	<2	3	<1	9
PD-M-95-8	31	7690	73	332	26.3	12	7	<2	21.03	64	<5	<2	<2	1	.8	5	4	3	.01	<.001	<1	7	.02	3	<.01	<3	.02	<.01	.01	<2	2	<1	430
PD-M-95-9	30	3101	59	184	41.9	113	83	<2	20.62	85	<5	<2	<2	1	.4	5	3	2	.01	<.001	<1	9	.01	2	<.01	<3	.01	<.01	.01	2	2	<1	460
PD-BS-95-1	5	35	104	259	.8	12	2	590	1.17	12	<5	<2	9	21	2.1	<2	3	2	.18	.017	36	11	.04	80	<.01	8	.39	<.01	.29	<2	2	<1	11
PD-BS-95-2	<1	412	15595	11616	35.3	1915	39	6600	3.98	84	<5	<2	<2	586	71.5	15	10	12	13.14	.001	10	488	6.77	31	<.01	<3	.10	.01	.06	<2	16	<1	4
PD-BS-95-3	<1	174	66	139	2.0	2413	26	10415	3.55	28	<5	<2	<2	226	1.3	<2	<2	8	14.84	<.001	10	402	6.13	14	<.01	<3	.11	.01	.04	<2	19	<1	6
PD-BS-95-4	1	20	3428	5811	6.1	193	13	1371	1.99	22	<5	<2	7	26	34.4	2	<2	5	.64	.003	16	77	3.01	169	<.01	6	.53	<.01	.10	<2	4	<1	1
PD-BS-95-5	4	19	105	108	.4	201	21	1459	2.69	96	<5	<2	6	112	.7	<2	<2	4	3.08	.006	13	57	2.03	75	<.01	3	.51	<.01	.17	<2	2	<1	2
PD-BS-95-6	5	56	204	138	12.6	41	4	482	2.57	385	<5	<2	6	30	.4	24	<2	5	.45	.077	24	24	.20	99	<.01	7	.60	.01	.45	<2	2	<1	32
PD-BS-95-7	<1	278	21703	38926	57.3	1931	67	7052	5.24	118	6	<2	<2	204	259.7	39	9	1	10.45	.001	8	232	6.21	27	<.01	3	.24	.01	.06	<2	17	<1	3
PD-BS-95-8	<1	987	1053	5490	16.9	642	17	15662	2.29	1299	<5	<2	3	317	67.0	83	3	6	12.30	.001	18	285	5.30	62	<.01	6	.34	.01	.25	<2	30	<1	3
PD-BS-95-9	<1	44	15736	6679	36.1	2451	14	8533	2.24	383	5	2	<2	271	41.5	209	12	16	12.60	<.001	31	1524	6.60	19	<.01	<3	.92	<.01	.03	<2	19	<1	5
PD-BS-95-10	<1	44	852	774	23.9	1827	29	10821	3.35	587	7	<2	<2	312	6.8	48	5	12	13.67	.001	8	801	6.01	34	<.01	<3	.26	.01	.02	<2	19	<1	2
RE PD-BS-95-10	<1	47	878	803	25.1	1945	31	11270	3.50	614	<5	<2	<2	327	7.0	50	4	13	14.17	.001	9	845	6.23	36	<.01	<3	.27	.02	.03	<2	23	<1	2
PD-BS-95-11	<1	17	43	74	.4	1021	60	964	3.82	23	<5	<2	<2	15	.9	<2	2	40	.74	<.001	<1	1434	10.90	109	<.01	14	.61	.01	.01	<2	2	<1	1
PD-BS-95-12	<1	31	333	573	2.5	1696	28	8676	2.51	94	<5	<2	<2	207	5.5	<2	2	13	13.53	.001	16	907	6.47	35	<.01	<3	.55	.01	.05	<2	15	<1	1
PD-BS-95-13	<1	2784	7941	15351	41.7	476	14	13168	3.31	626	<5	<2	<2	241	185.3	69	6	4	11.75	.001	13	237	5.25	97	<.01	<3	.31	.01	.19	<2	20	<1	9
PD-BS-95-14	2	15	109	447	.6	436	9	1368	1.67	37	<5	<2	6	17	1.4	<2	<2	31	.40	.007	8	151	6.35	18	<.01	<3	3.34	<.01	.03	<2	<1	<1	1
STANDARD C/AU-R	18	57	36	124	6.3	69	29	1006	3.70	37	18	6	34	48	16.9	17	18	62	.47	.085	40	60	.87	171	.08	26	1.76	.06	.15	10	2	<1	480

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 5 1995 **DATE REPORT MAILED:** Sept 16/95 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Atna Resources Ltd. PROJECT MONEY CREEK File # 95-2358 Page 1

900 - 409 Granville St., Vancouver BC V6C 1T2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Au* ppb	Hg ppb
PK-MC-95-01	1	102	19	74	.4	30	6	709	3.50	23	<5	<2	8	5	.8	32	<2	24	.21	.052	9	16	.85	152	.06	5	1.39	<.01	.21	<2	<5	14	495
PK-MC-95-02	10	115	<3	72	<.3	28	121	141	14.95	12	<5	<2	4	2	.4	<2	<2	73	.01	.004	1	18	1.59	6	<.01	<3	.94	<.01	<.01	<2	<5	6	100
PK-MC-95-03	1	3768	<3	88	<.3	34	16	324	3.31	<2	<5	<2	<2	95	.6	<2	6	92	1.40	.035	<1	38	1.63	14	.45	<3	1.66	.02	<.01	<2	<5	3	40
PK-MC-95-04	4	20388	9	84	11.1	38	84	312	10.31	<2	<5	<2	2	93	1.7	<2	15	75	1.67	.011	<1	34	.87	4	.20	<3	.73	<.01	<.01	<2	<5	31	30
PK-MC-95-05	68	6573	9	57	4.1	41	100	254	17.46	25	<5	<2	5	3	<.2	<2	3	46	.15	.005	<1	40	1.33	4	.16	<3	.89	.01	.03	<2	<5	26	40
PK-MC-95-06	2	610	198	145	.6	113	50	2622	5.99	9	<5	<2	3	10	1.1	12	3	105	.16	.026	5	19	1.78	675	.04	<3	1.34	<.01	.01	<2	<5	14	230
PK-MC-95-07	27	11651	116	199	31.9	16	9	75	18.28	47	<5	<2	4	2	<.2	<2	5	4	.01	<.001	<1	8	.02	2	<.01	<3	.02	<.01	<.01	<2	<5	220	710
PK-MC-95-08	2	357	3	143	.5	62	31	386	5.66	<2	5	<2	<2	32	<.2	<2	6	63	.53	.015	<1	95	1.74	26	.41	<3	1.57	.01	.11	<2	<5	17	60
PK-MC-95-09	16	417	4	11	.6	8	22	43	4.65	20	<5	<2	2	1	1.8	8	2	26	.01	.004	1	10	.05	33	.01	<3	.07	<.01	.01	<2	<5	11	175
PK-MC-95-10	29	2475	11	45	.7	12	113	66	14.21	40	<5	<2	4	2	<.2	<2	<2	31	.01	.005	<1	17	.22	4	.01	3	.22	<.01	.01	<2	<5	15	90
RE PK-MC-95-10	28	2381	11	45	.7	12	108	58	13.78	35	<5	<2	3	2	<.2	<2	<2	30	.01	.004	<1	16	.21	4	.01	<3	.21	<.01	<.01	<2	<5	12	75
RRE PK-MC-95-10	26	2430	9	44	.6	10	104	62	13.16	33	<5	<2	3	2	<.2	<2	<2	29	.01	.004	<1	15	.21	4	.01	<3	.21	<.01	<.01	<2	<5	13	80
PK-MC-95-11	1	90	<3	37	<.3	26	5	323	1.24	<2	<5	<2	2	41	<.2	<2	3	35	1.13	.028	5	14	.59	233	.23	4	.79	.01	.18	<2	<5	1	20
PK-MC-95-12	14	127	54	29	4.6	12	<1	280	1.94	20	<5	<2	10	6	<.2	<2	8	16	.12	.033	11	10	.22	221	.28	6	.48	.01	.27	<2	<5	16	60
PK-MC-95-13	44	902	77	371	26.0	27	81	33	17.41	72	<5	<2	4	2	.2	<2	<2	10	<.01	.004	<1	13	.01	2	<.01	3	.02	<.01	.01	<2	<5	500	3420
PK-MC-95-14	4	5987	10	480	4.8	21	54	845	7.14	11	<5	<2	2	1	1.9	<2	7	97	.09	.007	<1	16	2.16	7	.10	<3	1.84	<.01	<.01	<2	<5	16	260
PK-MC-95-15	13	312	21	384	.5	169	21	442	15.21	130	<5	<2	12	5	.2	16	<2	113	.03	.144	20	36	.10	266	<.01	<3	.94	<.01	.11	<2	<5	38	285
PK-MC-95-16	1	237	12	150	2.0	39	23	1685	9.74	6	<5	<2	4	3	<.2	<2	4	146	.07	.013	<1	78	2.80	26	.30	<3	2.62	.01	.10	<2	<5	10	35
PK-MC-95-17	2	46	6	24	.3	18	4	561	1.02	4	<5	<2	3	1	.3	<2	<2	8	.02	.005	5	10	.24	96	.01	4	.33	<.01	.13	<2	<5	2	10
PK-MC-95-18	1	54	4	51	<.3	14	3	620	2.37	<2	<5	<2	8	2	.2	<2	2	20	.02	.031	8	14	.61	207	.11	4	.94	<.01	.23	<2	<5	5	30
PK-MC-95-19	6	189	16	124	.5	41	34	73	6.32	4	<5	<2	<2	3	<.2	<2	6	110	.85	.033	<1	21	.09	11	.47	<3	.40	.06	.03	<2	<5	12	115
PK-MC-95-20	3	424	<3	46	<.3	12	6	330	3.74	6	<5	<2	<2	14	1.2	<2	<2	32	.31	.009	<1	10	.01	909	.01	3	.04	<.01	.02	3	<5	4	15
RE PK-MC-95-20	3	421	<3	45	<.3	11	6	329	3.70	5	<5	<2	<2	14	1.4	<2	<2	32	.31	.009	<1	11	.01	1028	.01	5	.04	<.01	.02	2	<5	4	15
RRE PK-MC-95-20	4	424	<3	45	<.3	13	6	334	3.68	3	7	<2	<2	14	1.2	<2	<2	32	.35	.009	<1	12	.01	945	.01	<3	.04	<.01	.02	2	<5	2	10
PK-MC-95-21	1	503	<3	86	<.3	68	28	601	3.88	<2	<5	<2	<2	5	<.2	<2	6	111	.84	.045	<1	64	2.11	80	.50	4	1.58	.03	.14	<2	<5	2	35
PK-MC-95-22	32	748	12	93	1.4	22	50	293	17.03	23	<5	<2	4	2	<.2	<2	2	33	.02	.002	<1	15	1.50	3	.05	<3	.90	<.01	<.01	<2	<5	99	230
PK-MC-95-23	1	58	3	66	4.1	24	16	645	8.01	<2	<5	<2	3	16	<.2	<2	<2	164	.70	.047	<1	13	1.28	35	.89	<3	1.15	.02	.08	<2	<5	48	205
PK-MC-95-24	2	122	<3	65	<.3	35	7	744	2.01	<2	<5	<2	2	95	<.2	<2	2	51	1.55	.055	5	16	.85	1177	.22	4	1.15	.01	.10	<2	<5	15	65
PK-MC-95-25	36	1714	83	340	35.8	65	39	44	17.58	72	<5	<2	4	2	1.8	<2	<2	7	.02	.001	<1	13	.04	3	.01	<3	.06	<.01	.02	<2	<5	49	25
STANDARD C/AU-R	21	64	37	125	7.2	73	31	1049	3.61	43	22	6	39	52	18.1	17	23	63	.49	.089	41	59	.87	177	.08	29	1.53	.06	.14	11	<5	450	1890

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P6 SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
HG ANALYSIS BY FLAMELESS AA. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 17 1995 **DATE REPORT MAILED:** July 28/95 **SIGNED BY.....** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Au* ppb	Hg ppb
MC BL 0+00E 0+00S	1	86	8	63	<.3	32	13	346	3.23	<2	<5	<2	<2	14	<.2	<2	6	76	.62	.029	6	48	1.28	40	.33	<3	1.86	.01	.04	<2	<5	5	45
MC BL 0+00E 0+50S	1	167	6	104	<.3	47	28	922	5.98	<2	<5	<2	2	14	.3	<2	6	119	.90	.059	3	48	2.45	92	.33	<3	2.79	.01	.07	<2	<5	2	400
MC BL 0+00E 1+00S	1	183	6	88	<.3	79	42	1144	6.25	8	<5	<2	<2	11	1.4	5	<2	144	.83	.061	4	186	1.97	77	.07	<3	2.68	.01	.06	<2	<5	3	2005
MC BL 0+00E 1+50S	1	186	8	107	<.3	56	25	665	4.83	<2	<5	<2	<2	15	<.2	<2	6	112	.91	.051	<1	103	2.69	56	.35	<3	2.78	.01	.07	<2	<5	3	140
MC BL 0+00E 2+00S	3	2109	6	171	.4	42	54	668	10.21	<2	<5	<2	2	8	.4	<2	5	189	.39	.052	1	83	3.84	92	.22	<3	4.13	<.01	.04	<2	<5	5	175
MC BL 0+00E 2+50S	15	1563	11	95	.6	26	38	442	16.80	13	<5	<2	3	5	.2	9	2	224	.10	.066	1	49	2.56	25	.12	<3	3.11	<.01	.03	<2	<5	9	455
MC BL 0+00E 3+00S	31	942	13	124	.7	22	22	411	16.24	21	<5	<2	3	5	<.2	8	3	221	.10	.067	1	28	1.80	38	.19	<3	2.39	<.01	.04	<2	<5	19	210
MC BL 0+00E 3+50S	2	415	6	142	<.3	41	22	540	4.53	3	<5	<2	<2	10	.9	<2	5	82	.40	.052	<1	83	1.40	56	.20	<3	2.02	.01	.06	<2	<5	3	105
MC BL 0+00E 4+00S	2	155	10	79	<.3	38	18	605	4.16	6	<5	<2	2	13	.6	<2	4	91	.43	.048	8	70	1.29	74	.26	<3	2.12	.01	.07	<2	<5	2	195
MC BL 0+00E 4+50S	2	94	8	76	<.3	50	20	515	4.20	4	<5	<2	2	13	.4	<2	5	92	.52	.032	7	92	1.57	86	.25	4	2.58	.01	.04	<2	<5	2	105
MC BL 0+00E 5+00S	1	133	8	80	<.3	74	25	833	4.14	2	<5	<2	2	15	.6	<2	6	83	.65	.051	5	107	2.34	108	.23	<3	2.94	.01	.06	<2	<5	2	100
MC BL 0+00E 15+00N	2	99	12	76	<.3	61	21	718	4.87	7	<5	<2	2	17	.8	<2	3	123	.76	.072	10	108	1.86	180	.15	<3	3.16	.01	.06	<2	<5	2	140
MC BL 0+00E 14+50N	1	87	8	75	<.3	52	29	1336	5.75	7	<5	<2	2	10	1.3	<2	2	155	.38	.037	7	94	2.03	95	.09	<3	3.39	.01	.05	<2	<5	1	105
MC BL 0+00E 14+00N	1	96	9	71	<.3	45	19	656	3.75	<2	<5	<2	3	25	.7	<2	2	91	.65	.045	14	76	1.27	133	.16	3	2.38	.01	.05	<2	<5	2	70
MC BL 0+00E 13+50N	1	64	9	79	<.3	50	16	576	3.88	5	<5	<2	4	18	.7	<2	3	90	.73	.051	17	79	1.32	98	.17	4	2.45	.01	.05	<2	<5	11	105
MC BL 0+00E 13+00N	1	49	5	62	<.3	35	11	359	2.93	<2	<5	<2	3	15	.4	<2	3	70	.53	.036	17	62	1.03	89	.14	<3	1.84	.01	.04	<2	<5	10	45
MC BL 0+00E 12+50N	1	77	11	83	<.3	52	19	772	3.57	2	<5	<2	4	22	.9	<2	2	81	.81	.063	22	68	1.10	215	.15	4	2.25	.01	.06	<2	<5	6	45
MC BL 0+00E 11+50N	1	49	9	73	<.3	41	13	475	3.40	2	<5	<2	2	16	.5	2	3	82	.64	.048	14	55	1.09	111	.16	4	2.11	.01	.05	<2	<5	4	75
MC BL 0+00E 11+00N	1	69	7	78	<.3	54	23	688	5.06	2	<5	<2	<2	15	1.0	2	5	125	.93	.046	3	103	1.89	79	.20	4	2.89	.01	.04	2	<5	2	185
MC BL 0+00E 10+50N	1	48	10	61	<.3	28	10	377	2.93	5	<5	<2	4	17	.4	<2	3	70	.48	.057	15	44	.87	99	.14	3	1.51	.01	.04	2	<5	2	55
MC BL 0+00E 10+25N	2	49	7	86	<.3	31	13	468	3.62	7	<5	<2	<2	14	.6	<2	2	92	.33	.046	17	42	.68	141	.13	3	1.72	.01	.05	<2	<5	3	140
RE MC BL 0+00E 10+25N	2	47	8	83	<.3	30	13	458	3.55	8	<5	<2	2	13	.8	<2	2	90	.33	.044	17	42	.67	137	.13	4	1.69	.01	.05	2	<5	2	160
MC BL 0+00E 9+50N	1	75	7	77	<.3	46	16	647	4.16	6	<5	<2	2	21	.7	<2	<2	88	.52	.035	13	84	1.44	169	.11	3	2.29	.01	.05	2	<5	2	115
MC BL 0+00E 9+00N	1	82	5	73	<.3	52	20	641	4.57	4	<5	<2	<2	23	1.2	<2	<2	100	.81	.056	11	97	1.75	199	.10	<3	2.45	.01	.06	2	<5	3	140
MC BL 0+00E 8+50N	1	105	12	83	.3	52	21	866	4.40	6	<5	<2	<2	24	1.2	<2	<2	113	.92	.081	13	100	1.22	205	.09	4	2.25	.01	.08	<2	<5	2	105
MC BL 0+00E 8+00N	1	92	5	59	<.3	58	26	725	4.27	2	<5	<2	<2	18	1.2	2	<2	92	.76	.080	6	100	1.64	134	.05	<3	2.38	.01	.07	2	<5	3	120
MC BL 0+00E 7+50N	1	53	8	88	<.3	42	25	1075	4.82	2	<5	<2	<2	13	1.1	<2	4	126	.59	.046	4	86	1.35	126	.21	<3	2.20	.01	.08	<2	<5	1	85
MC BL 0+00E 7+00N	1	83	9	74	<.3	57	21	578	5.15	3	<5	<2	2	13	.4	<2	5	127	.75	.032	6	91	2.19	121	.27	3	2.94	<.01	.06	<2	<5	2	80
MC BL 0+00E 6+50N	1	53	9	105	<.3	59	21	905	5.38	4	<5	<2	2	14	1.3	2	<2	124	.65	.091	7	101	1.71	122	.14	<3	2.59	.01	.07	<2	<5	2	80
MC BL 0+00E 6+00N	1	78	9	86	<.3	69	23	655	5.31	5	<5	<2	<2	19	1.2	2	2	121	.69	.060	11	103	1.92	141	.10	3	3.15	.01	.06	<2	<5	1	135
MC BL 0+00E 5+50N	1	140	6	96	<.3	74	32	1014	4.90	<2	<5	<2	2	20	.9	<2	2	95	.80	.046	6	113	2.97	98	.15	<3	3.50	.01	.06	<2	<5	1	100
MC BL 0+00E 5+00N	1	180	7	127	<.3	68	37	1150	5.41	<2	<5	<2	2	21	.9	<2	2	115	.96	.034	8	107	3.15	82	.23	<3	3.57	<.01	.07	<2	6	1	90
MC BL 0+00E 4+50N	<1	195	15	124	<.3	60	29	1029	4.68	<2	<5	<2	3	26	.8	<2	3	94	.99	.045	17	83	2.57	93	.19	<3	3.19	.01	.05	<2	<5	3	100
MC BL 0+00E 4+00N	<1	278	5	239	<.3	85	34	805	4.87	<2	<5	<2	<2	33	.7	<2	5	107	1.98	.043	<1	126	3.97	91	.25	<3	4.59	.01	.05	<2	<5	2	130
MC BL 0+00E 3+50N	<1	262	5	80	<.3	54	49	1188	5.39	3	<5	<2	<2	59	.6	<2	3	123	1.73	.041	<1	78	3.49	104	.23	4	3.99	.01	.03	<2	<5	1	90
STANDARD C/AU-S/SO-15	21	67	38	134	7.6	73	30	1018	4.01	44	16	7	41	55	17.7	17	24	65	.52	.094	42	61	.93	174	.08	30	1.88	.06	.15	10	<5	44	1835

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Au* ppb	Hg ppb
MC BL 0+00E 3+00N	1	136	6	100	<.3	42	25	720	4.11	7	<5	<2	3	17	.4	<2	3	95	.70	.052	8	74	1.67	90	.29	<3	2.49	<.01	.05	<2	<5	4	65
MC BL 0+00E 2+50N	1	121	7	96	<.3	40	18	506	3.81	4	<5	<2	2	15	.4	<2	2	86	.63	.044	7	71	1.47	82	.27	3	2.07	.01	.04	<2	<5	3	55
MC BL 0+00E 2+00N	1	62	9	71	<.3	41	20	870	4.28	11	<5	<2	<2	13	1.1	<2	<2	87	.48	.055	9	78	1.34	109	.12	<3	2.21	<.01	.03	<2	<5	1	115
MC BL 0+00E 1+50N	2	95	10	83	<.3	42	23	1489	6.15	9	<5	<2	<2	13	.8	<2	2	154	.47	.090	8	104	1.34	116	.21	3	2.62	.01	.05	<2	<5	1	155
MC BL 0+00E 1+00N	1	86	6	63	<.3	38	15	450	3.16	2	<5	<2	2	13	.2	<2	3	68	.58	.032	7	62	1.24	72	.27	3	1.83	.01	.05	<2	<5	1	100
MC BL 0+00E 0+50N	1	81	6	60	<.3	38	16	508	3.85	4	<5	<2	<2	13	.5	<2	2	97	.58	.031	5	72	1.19	69	.25	<3	1.91	<.01	.04	<2	<5	1	3215
MC L14+00N 0+25E	1	64	7	68	<.3	36	12	411	3.26	7	<5	<2	4	18	.6	<2	<2	72	.55	.063	16	54	1.18	85	.15	3	2.03	.01	.04	<2	<5	3	55
MC L14+00N 0+50E	1	64	6	67	<.3	40	15	577	4.57	6	<5	<2	4	12	.7	<2	4	110	.59	.029	8	72	1.20	87	.24	3	2.30	<.01	.04	2	<5	2	120
RE MC L14+00N 0+50E	1	64	5	69	<.3	42	16	597	4.73	6	<5	<2	3	12	.5	<2	2	114	.63	.030	8	75	1.28	89	.24	<3	2.40	<.01	.03	<2	<5	1	145
MC L14+00N 0+75E	1	87	<3	97	<.3	59	31	1230	6.86	13	<5	<2	<2	10	1.1	<2	<2	167	.57	.050	4	107	2.12	69	.23	<3	3.36	<.01	.03	<2	<5	3	245
MC L14+00N 1+00E	1	58	7	66	<.3	42	16	533	3.50	7	<5	<2	4	15	.7	<2	2	80	.68	.051	13	65	1.11	97	.16	3	2.04	.01	.04	<2	<5	2	70
MC L14+00N 1+50E	1	117	<3	77	<.3	75	31	956	4.82	9	<5	<2	4	26	1.0	<2	<2	108	.87	.055	12	96	1.97	169	.18	3	2.93	.01	.05	<2	<5	2	65
MC L14+00N 1+75E	1	102	18	112	<.3	77	33	1307	4.98	13	<5	<2	3	16	1.5	<2	<2	112	.58	.061	39	87	1.71	172	.10	<3	2.75	.01	.09	<2	<5	2	110
MC L14+00N 2+00E	1	73	20	100	<.3	43	18	658	4.03	12	<5	<2	<2	15	1.3	<2	<2	90	.42	.063	41	58	1.08	196	.09	3	2.28	.01	.07	<2	<5	2	95
MC L14+00N 2+25E	1	83	9	86	<.3	47	33	981	4.44	8	<5	<2	3	16	1.0	<2	2	103	.69	.049	13	59	1.40	98	.20	<3	2.17	.01	.05	<2	<5	2	80
MC L14+00N 2+50E	1	61	9	116	<.3	43	21	1092	5.68	9	<5	<2	<2	11	1.3	<2	2	143	.42	.072	11	76	1.33	137	.18	<3	2.47	<.01	.05	<2	<5	1	390
MC L14+00N 2+75E	1	75	10	105	<.3	49	25	992	6.23	10	<5	<2	3	13	1.3	<2	2	156	.54	.055	14	76	1.56	138	.19	3	2.76	<.01	.09	<2	<5	2	105
MC L14+00N 3+00E	1	87	7	124	<.3	54	34	1502	6.40	20	<5	<2	2	16	1.2	<2	<2	153	.66	.088	14	84	1.72	157	.14	<3	3.07	.01	.08	<2	<5	3	135
MC L14+00N 3+25E	1	102	10	109	<.3	54	35	1633	6.52	14	<5	<2	2	18	1.6	<2	<2	151	.77	.075	17	55	1.96	201	.12	<3	3.33	.01	.06	<2	5	7	125
MC L14+00N 3+50E	1	92	5	97	.4	54	41	9270	7.62	29	<5	<2	13	28	2.0	2	3	198	.58	.076	14	57	2.00	579	.06	<3	3.12	.01	.04	<2	<5	4	185
MC L14+00N 3+50EA	1	105	<3	78	.3	56	62	6356	15.24	96	<5	<2	10	25	1.9	3	4	259	.57	.166	7	52	1.84	784	.01	<3	2.90	<.01	.02	<2	8	4	305
MC L14+00N 3+75E	1	87	7	92	<.3	45	22	1085	5.61	12	<5	<2	3	14	1.1	<2	2	153	.67	.050	14	66	1.61	187	.22	<3	2.98	.01	.05	<2	<5	15	95
MC L14+00N 4+00E	1	98	8	100	<.3	50	25	1267	5.48	10	<5	<2	2	19	1.5	<2	2	148	.84	.088	12	76	1.63	198	.15	<3	3.01	.01	.07	<2	<5	2	120
MC L14+00N 4+25E	1	73	7	59	<.3	22	9	675	3.12	8	<5	<2	<2	17	1.2	<2	<2	84	.65	.108	15	39	.58	203	.04	<3	1.77	.01	.09	<2	<5	2	90
MC L14+00N 4+50E	1	110	29	101	<.3	41	18	964	4.70	16	<5	<2	5	10	1.1	2	<2	99	.34	.046	20	52	.92	224	.10	<3	2.14	<.01	.07	<2	<5	2	75
MC L14+00N 4+75E	2	106	45	99	.3	36	38	1784	4.76	16	<5	<2	<2	15	1.0	<2	<2	109	.48	.111	48	61	.70	177	.09	4	2.26	<.01	.13	<2	<5	5	135
MC L14+00N 5+00E	1	63	9	81	<.3	38	15	646	4.43	10	<5	<2	<2	11	1.1	<2	2	110	.46	.056	10	68	1.03	143	.17	3	2.22	<.01	.06	<2	<5	3	95
MC L14+00N 5+25E	1	44	10	101	<.3	31	12	490	4.05	7	<5	<2	<2	13	.9	<2	<2	96	.39	.050	12	63	.85	134	.13	3	1.91	<.01	.07	<2	<5	3	80
MC L14+00N 5+50E	1	70	9	82	<.3	46	18	728	3.86	8	<5	<2	4	17	1.0	<2	<2	83	.58	.054	21	68	1.12	202	.14	3	2.31	.01	.07	<2	<5	2	75
MC L14+00N 5+75E	1	44	13	62	<.3	18	5	367	4.00	7	<5	<2	<2	8	1.0	2	<2	106	.26	.068	14	45	.35	99	.12	<3	1.84	<.01	.06	<2	<5	1	105
MC L14+00N 6+00E	1	72	7	79	<.3	54	19	808	4.11	5	<5	<2	4	17	1.0	<2	2	92	.81	.044	17	84	1.37	206	.18	4	2.59	.01	.06	<2	<5	4	55
MC L14+00N 6+25E	2	42	6	69	<.3	30	9	356	3.39	10	<5	<2	4	11	.6	3	<2	77	.35	.036	14	57	.72	101	.18	4	1.95	.01	.04	<2	<5	270	65
MC L14+00N 6+50E	2	47	9	84	<.3	31	11	922	5.43	8	<5	<2	3	10	.7	<2	2	116	.30	.106	14	86	.75	135	.19	<3	2.03	<.01	.07	<2	<5	<1	175
MC L14+00N 6+75E	1	44	14	77	<.3	20	9	761	5.30	7	<5	<2	6	7	.8	<2	2	116	.20	.077	12	53	.43	131	.17	<3	2.09	<.01	.08	<2	<5	1	75
MC L14+00N 7+25E	1	36	6	47	<.3	16	8	311	2.97	6	<5	<2	2	7	.8	2	<2	76	.31	.030	7	32	.41	77	.11	<3	1.30	.01	.03	<2	<5	<1	60
STANDARD C/AU-S/SO-15	20	64	42	130	7.1	69	32	1123	3.96	41	16	7	38	52	19.1	16	22	62	.51	.091	40	57	.90	177	.08	30	1.82	.06	.15	10	<5	45	1905

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Au* ppb	Hg ppb
MC L14+00N 7+50E	1	35	12	65	<.3	18	9	465	3.52	9	<5	<2	3	12	.9	3	<2	80	.25	.066	21	34	.38	168	.10	3	1.47	.01	.08	<2	5	3	55
MC L14+00N 7+75E	2	47	15	77	<.3	35	10	443	5.13	11	<5	<2	5	12	.9	4	3	97	.32	.067	17	59	.88	119	.16	4	1.97	<.01	.06	<2	<5	3	75
MC L14+00N 8+00E	1	35	15	88	<.3	21	7	420	4.17	13	<5	<2	3	11	.9	2	3	64	.17	.129	23	30	.44	147	.09	3	1.46	.01	.09	<2	<5	18	65
MC L12+00N 6+00W	2	63	8	77	<.3	38	14	668	4.03	7	<5	<2	<2	14	.8	<2	4	137	.62	.055	11	88	1.00	187	.19	4	2.18	.01	.05	<2	6	2	100
MC L12+00N 5+75W	2	80	11	71	<.3	37	14	600	4.08	10	<5	<2	<2	14	1.0	2	2	135	.56	.069	14	91	.90	245	.12	3	2.23	.01	.08	<2	<5	25	105
MC L12+00N 5+25W	1	77	5	75	<.3	51	21	686	4.35	8	<5	<2	3	19	1.0	2	2	105	.67	.063	14	86	1.53	102	.13	4	2.30	.01	.03	<2	6	1	255
MC L12+00N 5+00W	1	63	7	73	<.3	38	16	557	3.43	4	<5	<2	3	16	.5	<2	4	93	.68	.054	14	62	1.16	86	.20	4	1.97	.01	.03	<2	6	4	65
MC L12+00N 4+50W	2	79	9	72	<.3	36	19	1286	4.14	11	<5	<2	<2	10	1.0	2	2	131	.35	.101	14	92	.95	217	.07	4	2.76	.01	.05	<2	<5	1	125
MC L12+00N 4+25W	2	70	9	87	<.3	42	20	650	4.19	15	<5	<2	<2	15	.9	2	3	122	.40	.051	15	74	1.06	225	.12	3	2.67	.01	.06	<2	5	2	80
MC L12+00N 4+00W	1	68	6	77	<.3	37	16	542	3.11	9	<5	<2	5	23	.6	<2	3	77	.61	.081	21	56	.96	189	.12	3	1.68	.01	.05	<2	5	2	65
MC L12+00N 3+75W	1	48	7	72	<.3	30	12	484	2.55	7	<5	<2	5	22	.6	<2	3	67	.54	.075	22	45	.77	187	.11	3	1.45	.01	.05	<2	<5	6	35
MC L12+00N 3+50W	1	43	9	61	<.3	35	12	398	2.69	7	<5	<2	4	16	.5	<2	4	77	.59	.050	23	61	1.00	126	.15	3	1.88	.01	.03	<2	5	3	35
MC L12+00N 3+25W	1	50	3	58	<.3	39	19	535	2.90	6	<5	<2	3	18	.8	<2	3	84	.61	.057	18	71	1.27	123	.11	3	1.86	.01	.04	<2	5	1	35
MC L12+00N 3+00W	1	76	7	57	<.3	40	18	562	3.29	5	<5	<2	4	15	.3	<2	5	101	.75	.056	13	74	1.37	103	.21	3	2.21	.01	.03	<2	5	1	35
MC L12+00N 2+75W	1	89	5	61	<.3	44	15	412	3.21	8	<5	<2	3	15	.5	<2	4	89	.65	.059	16	69	1.43	106	.17	<3	2.23	.01	.04	<2	6	<1	45
MC L12+00N 2+50W	1	101	4	64	<.3	60	20	566	3.51	5	<5	<2	4	17	.7	<2	3	95	.85	.054	15	85	1.56	126	.19	3	2.33	.01	.04	<2	<5	<1	45
MC L12+00N 2+25W	1	60	5	62	<.3	32	14	536	3.33	6	<5	<2	2	17	.4	<2	3	95	.49	.048	13	48	.98	106	.20	3	1.76	.01	.04	<2	<5	2	60
MC L12+00N 2+00W	1	61	7	67	<.3	31	15	651	3.18	6	<5	<2	4	20	.2	<2	4	86	.59	.067	17	46	.95	119	.20	4	1.65	.01	.05	<2	<5	3	50
MC L12+00N 1+75W	1	59	9	113	<.3	38	22	927	3.72	9	<5	<2	2	15	.6	2	3	106	.62	.054	13	64	.97	140	.17	4	2.01	.01	.04	<2	6	4	75
MC L12+00N 1+25W	1	71	5	98	<.3	40	19	845	5.10	10	<5	<2	<2	11	.8	<2	6	157	.52	.068	6	91	1.29	141	.22	3	2.92	.01	.05	<2	7	<1	130
MC L12+00N 1+00W	2	80	5	106	<.3	59	26	762	4.79	11	<5	<2	2	16	.9	3	3	127	.59	.053	12	81	1.42	299	.15	4	3.32	.01	.08	<2	5	1	165
MC L12+00N 0+75W	1	69	7	75	<.3	53	23	840	4.74	8	<5	<2	<2	14	.8	<2	4	133	.79	.043	6	96	1.59	142	.19	<3	2.81	.01	.04	<2	6	4	340
MC L12+00N 0+50W	1	104	6	112	<.3	41	19	532	3.79	7	<5	<2	6	20	.5	2	3	94	.60	.081	22	57	1.17	122	.16	4	2.09	.01	.04	<2	<5	1	240
MC L12+00N 0+25W	1	77	5	75	<.3	57	25	862	4.36	7	<5	<2	2	14	.8	2	3	116	.84	.036	8	83	1.70	114	.19	<3	2.71	.01	.04	<2	6	<1	195
RE MC L12+00N 0+25W	1	80	6	77	<.3	59	25	870	4.46	6	<5	<2	2	15	.9	<2	2	119	.87	.038	9	85	1.75	116	.20	3	2.77	.01	.04	<2	6	2	185
MC L12+00N 0+00E	1	64	7	74	<.3	42	21	765	3.47	9	<5	<2	<2	16	.4	<2	3	93	.60	.065	16	63	1.08	141	.14	3	2.08	.01	.05	<2	6	23	1595
MC L12+00N 0+50E	1	72	10	84	<.3	45	18	803	3.97	9	<5	<2	<2	16	.9	2	2	112	.52	.083	17	76	1.05	190	.11	4	2.60	.01	.06	<2	<5	1	85
MC L12+00N 0+75E	1	73	5	74	<.3	47	22	967	3.74	4	<5	<2	3	15	.2	<2	4	104	.71	.064	14	66	1.29	115	.20	3	2.35	.01	.05	<2	7	1	70
MC L12+00N 1+25E	1	71	5	83	<.3	51	27	862	5.36	11	<5	<2	<2	11	.8	3	4	144	.48	.059	6	95	1.58	112	.13	3	3.01	.01	.04	<2	5	<1	255
MC L12+00N 1+50E	1	83	9	87	<.3	39	39	871	4.69	14	<5	<2	4	19	.6	3	4	102	.57	.053	19	45	1.07	127	.14	3	1.78	.01	.05	<2	5	7	75
MC L12+00N 1+75E	1	97	5	127	<.3	43	31	909	4.28	12	<5	<2	2	17	1.0	3	2	109	.46	.067	12	51	1.22	149	.12	3	2.20	.01	.05	<2	<5	2	90
MC L12+00N 2+00E	1	121	5	103	<.3	57	45	1273	5.65	9	<5	<2	2	16	.6	4	3	153	.68	.053	10	62	1.81	143	.16	3	2.77	.01	.04	<2	5	7	100
MC L12+00N 2+50E	1	87	11	236	<.3	45	33	906	4.95	12	<5	<2	2	17	.6	2	2	126	.59	.040	12	52	1.49	178	.12	<3	2.46	.01	.05	<2	6	2	105
MC L12+00N 2+75E	2	61	8	80	<.3	34	18	468	3.41	11	<5	<2	2	14	.6	3	2	86	.26	.027	19	36	.81	108	.12	<3	1.81	.01	.06	<2	<5	3	70
MC L12+00N 3+00E	1	94	15	120	<.3	44	33	897	4.54	15	<5	<2	2	17	.7	3	3	113	.47	.060	20	44	1.19	171	.13	3	2.21	.01	.06	<2	<5	5	80
STANDARD C/AU-S	19	60	34	120	6.7	66	31	1043	3.66	42	20	6	36	50	18.6	18	22	65	.48	.086	41	55	.84	167	.08	28	1.71	.06	.14	12	<5	46	1855

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Au* ppb	Hg ppb
MC L12+00N 3+25E	1	86	6	218	<.3	38	14	532	3.87	5	<5	<2	<2	14	1.2	<2	3	87	.42	.035	13	48	.92	106	.13	3	1.76	.01	.05	<2	<5	3	75
MC L12+00N 3+75E	1	80	7	121	<.3	43	48	2203	5.74	8	<5	<2	<2	29	1.9	<2	<2	138	.68	.086	11	65	2.24	148	.07	<3	3.42	<.01	.04	<2	<5	1	85
MC L12+00N 4+00E	1	73	<3	97	<.3	32	23	1063	5.73	<2	<5	<2	2	18	1.4	<2	4	147	1.32	.045	2	56	2.08	241	.27	<3	3.22	.01	.10	<2	<5	2	85
MC L12+00N 4+25E	1	70	5	101	<.3	49	23	1072	5.05	9	<5	<2	<2	13	1.1	<2	3	125	.56	.073	10	79	1.29	195	.15	3	2.57	.01	.06	<2	<5	1	100
MC L12+00N 4+50E	1	75	5	82	<.3	48	24	1031	4.86	4	<5	<2	<2	13	1.1	2	4	121	.60	.064	11	78	1.24	198	.17	3	2.58	.01	.06	<2	<5	3	115
MC L12+00N 5+00E	2	114	5	219	<.3	43	23	729	4.65	12	<5	<2	2	17	1.1	<2	<2	108	.42	.047	18	60	1.19	216	.10	<3	2.56	.01	.07	<2	<5	5	125
MC L12+00N 5+25E	2	200	8	353	<.3	54	26	919	5.32	9	<5	<2	3	20	1.8	<2	<2	124	.53	.061	16	69	1.57	175	.12	3	2.86	.01	.07	<2	<5	7	280
RE MC L12+00N 5+25E	1	188	6	335	<.3	51	24	874	5.04	8	<5	<2	2	19	1.8	<2	2	118	.51	.059	15	67	1.49	166	.12	<3	2.72	.01	.08	<2	<5	6	355
MC L12+00N 5+50E	2	94	7	101	<.3	49	22	1294	4.64	6	<5	<2	<2	17	.9	<2	<2	123	.62	.089	12	104	1.28	256	.13	3	2.68	.01	.08	<2	<5	2	135
MC L12+00N 5+50EA	1	59	5	155	<.3	36	11	572	5.39	6	<5	<2	3	13	1.3	<2	3	133	.40	.052	11	81	1.01	187	.18	<3	2.26	.01	.08	<2	<5	2	90
MC L12+00N 5+75E	1	51	8	103	<.3	31	8	517	5.34	3	<5	<2	2	10	1.1	<2	4	107	.30	.084	14	63	.72	166	.17	<3	2.02	<.01	.06	<2	<5	2	110
MC L12+00N 6+00E	1	48	8	81	<.3	31	8	459	4.81	4	<5	<2	4	9	1.0	<2	2	105	.27	.053	16	63	.66	144	.19	<3	1.84	.01	.06	<2	<5	2	90
MC L12+00N 6+50E	1	67	6	73	<.3	55	19	632	4.51	4	<5	<2	2	13	1.0	<2	3	102	.71	.035	12	78	1.39	142	.19	<3	2.52	<.01	.04	<2	<5	1	80
MC L12+00N 6+75E	2	46	6	79	<.3	38	12	408	4.15	6	<5	<2	5	16	1.3	<2	<2	94	.48	.038	19	67	.99	169	.14	<3	1.99	.01	.07	<2	<5	9	80
MC L12+00N 7+00E	1	63	6	71	<.3	31	15	689	4.11	2	<5	<2	<2	20	1.4	<2	3	108	.57	.054	10	66	1.13	190	.10	<3	2.10	.01	.05	<2	<5	<1	80
MC L12+00N 7+25E	1	43	<3	55	<.3	30	11	433	3.99	<2	<5	<2	2	11	1.1	<2	5	97	.42	.041	6	89	.97	129	.16	<3	1.80	.02	.04	<2	<5	<1	90
MC L12+00N 7+50E	1	70	7	78	<.3	54	19	780	4.39	7	<5	<2	4	16	1.4	<2	2	104	.62	.020	12	99	1.59	225	.11	<3	2.75	.01	.05	<2	<5	1	60
MC L12+00N 8+00E	2	53	19	136	<.3	19	9	545	5.22	7	<5	<2	5	41	1.1	<2	2	69	.51	.046	17	26	.70	354	.13	<3	3.09	.01	.09	<2	<5	1	70
MC L10+00N 6+00W	1	87	<3	73	<.3	65	19	670	4.32	<2	<5	<2	2	17	1.0	<2	4	105	1.17	.054	10	101	2.16	111	.26	<3	2.91	.01	.04	<2	<5	3	125
MC L10+00N 5+75W	1	105	5	79	<.3	68	24	744	4.28	<2	<5	<2	2	15	1.0	<2	5	99	1.01	.047	9	108	2.28	143	.22	3	3.02	.01	.05	<2	<5	<1	90
MC L10+00N 5+50W	1	108	<3	79	<.3	74	22	760	4.89	<2	<5	<2	2	16	1.3	<2	3	115	1.00	.053	9	117	2.21	185	.20	<3	3.38	.01	.05	<2	<5	<1	100
MC L10+00N 5+25W	1	122	<3	78	<.3	76	26	797	4.94	<2	<5	<2	2	14	.9	<2	5	125	1.17	.048	6	120	2.29	158	.30	<3	3.52	.01	.04	<2	<5	1	85
MC L10+00N 5+00W	1	69	8	84	<.3	40	15	527	3.95	6	<5	<2	2	15	1.2	<2	<2	94	.46	.037	13	76	1.14	168	.13	3	2.50	.01	.05	<2	<5	<1	90
MC L10+00N 4+75W	1	73	7	81	<.3	44	18	651	4.16	<2	<5	<2	3	14	1.0	<2	3	99	.62	.042	11	70	1.28	138	.17	3	2.24	.01	.05	<2	<5	1	85
MC L10+00N 4+50W	1	128	6	99	<.3	58	25	1078	5.18	2	<5	<2	<2	16	1.4	<2	3	122	.66	.079	15	109	1.66	313	.15	<3	3.11	.01	.07	<2	<5	2	105
MC L10+00N 4+25W	1	47	6	78	<.3	36	13	396	3.26	6	<5	<2	2	16	1.0	<2	2	70	.43	.049	21	53	.91	124	.10	3	1.76	.01	.05	<2	<5	5	65
MC L10+00N 4+00W	1	76	4	90	<.3	43	18	576	4.15	6	<5	<2	2	15	1.1	2	2	92	.47	.037	14	66	1.16	204	.10	3	2.29	.01	.06	<2	<5	6	75
MC L10+00N 3+75W	1	89	8	104	<.3	44	18	786	5.08	3	<5	<2	<2	15	1.3	<2	4	128	.66	.056	7	114	1.61	168	.19	<3	2.68	.01	.05	<2	<5	<1	95
MC L10+00N 3+50W	1	122	5	89	<.3	58	21	871	4.41	7	<5	<2	<2	16	1.4	<2	<2	92	.60	.040	15	76	1.25	223	.10	<3	2.42	.01	.05	<2	<5	1	250
MC L10+00N 3+25W	2	49	5	88	<.3	28	11	506	3.57	5	<5	<2	<2	12	.8	<2	2	85	.35	.043	15	59	.83	139	.13	4	1.81	.01	.05	<2	<5	<1	90
MC L10+00N 3+00W	1	113	4	88	<.3	63	31	1160	5.65	4	<5	<2	2	17	1.8	2	2	123	.66	.064	13	102	1.80	211	.10	<3	2.70	.01	.04	<2	<5	2	305
MC L10+00N 2+75W	2	107	11	96	<.3	62	27	1056	5.15	10	<5	<2	2	13	1.6	2	3	125	.46	.078	13	111	1.59	233	.12	<3	3.44	.01	.08	<2	<5	1	120
MC L10+00N 2+50W	2	86	7	88	<.3	53	21	807	4.27	5	<5	<2	2	15	1.2	<2	<2	103	.51	.071	15	88	1.22	279	.09	3	2.74	.01	.07	<2	<5	<1	90
MC L10+00N 2+25W	1	67	7	79	<.3	29	9	449	3.73	<2	<5	<2	<2	10	.8	<2	5	88	.33	.052	9	76	.84	78	.20	<3	2.23	.01	.04	<2	<5	<1	100
MC L10+00N 2+00W	1	61	3	72	<.3	34	9	443	5.97	<2	<5	<2	2	9	1.0	<2	6	138	.32	.067	7	85	.90	84	.32	<3	2.40	.01	.04	<2	<5	1	125
STANDARD C/AU-S/SO-15	21	65	37	129	7.0	73	30	1150	3.99	40	19	7	38	54	18.0	17	21	63	.51	.092	40	58	.91	188	.08	30	1.85	.06	.15	10	<5	46	1820

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Au* ppb	Hg ppb
MC L10+00N 1+75W	1	50	4	78	<.3	34	11	412	3.84	<2	<5	<2	<2	12	.9	2	6	100	.34	.067	9	70	.71	150	.20	<3	1.84	.01	.05	<2	<5	3	105
MC L10+00N 1+50W	1	68	8	96	<.3	63	18	803	3.62	4	<5	<2	<2	13	1.4	<2	3	86	.51	.079	12	95	1.14	197	.12	3	2.36	.01	.05	<2	<5	4	75
MC L10+00N 1+25W	1	55	9	67	<.3	30	9	406	3.97	<2	<5	<2	<2	10	1.1	2	4	103	.35	.047	12	65	.76	86	.18	3	2.12	.01	.04	2	<5	<1	100
MC L10+00N 1+00W	1	76	3	64	<.3	84	16	522	3.27	<2	<5	<2	2	17	1.0	2	4	73	.81	.058	13	99	1.38	136	.19	<3	2.12	.01	.04	<2	<5	1	125
MC L10+00N 0+75W	1	72	6	74	<.3	66	18	652	4.23	2	<5	<2	<2	15	1.4	2	4	106	.71	.076	17	99	1.25	219	.15	3	2.40	.01	.05	<2	<5	1	285
MC L10+00N 0+50W	1	78	6	80	<.3	61	18	755	4.05	5	<5	<2	3	19	1.2	2	4	101	.61	.065	18	82	1.30	239	.14	3	2.44	.01	.06	<2	<5	1	110
MC L10+00N 0+25W	1	63	4	86	<.3	47	19	669	5.31	<2	<5	<2	2	10	1.1	<2	6	129	.50	.055	7	95	1.39	126	.24	3	2.65	<.01	.05	<2	<5	<1	525
MC L10+00N 0+50E	1	65	7	95	<.3	42	19	799	4.37	3	<5	<2	<2	14	1.4	<2	4	117	.43	.071	11	67	.97	192	.14	<3	2.31	.01	.09	<2	<5	2	95
RE MC L10+00N 0+50E	1	66	7	98	<.3	43	19	820	4.44	<2	<5	<2	<2	15	1.3	2	4	119	.44	.072	11	66	.99	197	.15	<3	2.35	.01	.09	<2	<5	<1	95
MC L10+00N 0+75E	1	46	5	61	<.3	23	7	454	4.82	<2	<5	<2	2	8	.9	<2	6	130	.31	.061	9	55	.61	83	.26	<3	2.35	<.01	.03	<2	<5	3	150
MC L10+00N 1+25E	1	53	4	78	<.3	41	14	428	4.89	3	<5	<2	<2	14	1.5	<2	4	127	.56	.059	8	79	1.21	137	.18	<3	2.13	<.01	.05	<2	<5	2	300
MC L10+00N 1+50E	1	49	4	80	<.3	39	16	502	3.98	<2	<5	<2	<2	11	1.2	2	3	100	.51	.045	9	65	1.04	138	.15	3	2.14	<.01	.04	<2	<5	1	90
MC L10+00N 1+75E	1	71	4	94	<.3	54	23	843	5.29	<2	<5	<2	<2	12	1.3	<2	5	136	.64	.059	6	84	1.59	132	.19	3	2.90	<.01	.04	<2	<5	<1	490
MC L10+00N 2+00E	1	72	4	112	<.3	53	21	665	5.70	<2	<5	<2	3	10	1.3	<2	6	144	.53	.049	7	90	1.56	138	.25	<3	3.06	<.01	.04	<2	<5	1	140
MC L10+00N 2+25E	1	84	<3	85	<.3	69	31	831	6.13	<2	<5	<2	<2	12	1.7	<2	4	150	.72	.046	5	106	2.17	123	.18	<3	3.28	<.01	.04	<2	<5	1	570
MC L10+00N 2+50E	1	54	6	81	<.3	45	20	625	3.79	5	<5	<2	<2	12	1.2	3	3	84	.43	.054	14	61	1.05	106	.12	3	2.18	.01	.06	<2	<5	1	430
MC L10+00N 2+75E	1	54	7	132	<.3	39	19	664	4.48	3	<5	<2	<2	11	1.0	2	3	109	.35	.063	12	59	1.01	225	.12	3	2.47	<.01	.06	<2	<5	2	100
MC L10+00N 3+00E	1	69	10	102	<.3	46	19	733	4.21	7	<5	<2	<2	16	1.1	3	3	100	.57	.060	16	53	1.12	191	.13	3	2.33	.01	.07	<2	<5	5	85
MC L10+00N 3+25E	2	83	14	101	<.3	49	21	836	4.59	11	<5	<2	<2	15	1.4	<2	2	119	.37	.121	21	67	.98	275	.07	3	2.91	.01	.11	<2	<5	1	120
MC L10+00N 3+50E	2	87	19	136	<.3	53	23	598	4.92	9	<5	<2	3	13	1.1	4	4	108	.30	.036	12	60	1.15	139	.13	4	2.61	.01	.08	<2	<5	2	100
MC L10+00N 3+75E	1	112	11	186	<.3	60	36	1021	5.06	2	<5	<2	<2	20	1.3	<2	4	122	.68	.063	15	62	1.47	203	.15	3	2.58	.01	.07	<2	<5	3	90
MC L10+00N 4+25E	1	53	<3	145	<.3	29	11	783	5.92	<2	<5	<2	<2	9	1.3	<2	6	169	.44	.085	7	56	.87	100	.25	<3	2.19	<.01	.09	<2	<5	<1	135
MC L10+00N 4+75E	1	100	9	129	<.3	45	23	1152	5.48	<2	<5	<2	<2	16	1.9	3	6	164	.67	.083	11	72	.95	227	.20	3	2.30	.01	.06	<2	5	1	130
MC L10+00N 5+00E	1	90	7	169	<.3	53	26	665	4.67	9	<5	<2	<2	16	1.2	2	4	107	.40	.052	18	56	1.32	168	.10	3	2.62	.01	.08	<2	<5	2	100
MC L10+00N 5+25E	1	67	6	86	<.3	17	15	989	3.35	<2	<5	<2	<2	16	1.3	2	4	119	.41	.080	10	29	.39	171	.12	3	1.22	.01	.07	<2	<5	1	95
MC L10+00N 5+75E	1	73	5	101	<.3	36	13	415	3.43	<2	<5	<2	3	18	.8	2	3	75	.48	.044	19	46	1.03	140	.13	3	2.08	.01	.06	<2	<5	4	80
MC L10+00N 6+00E	1	49	11	112	<.3	33	13	654	4.11	<2	<5	<2	<2	13	1.3	2	4	94	.41	.048	15	52	.73	266	.11	<3	2.01	<.01	.09	<2	<5	3	90
MC L10+00N 6+25E	1	48	12	227	<.3	35	21	1127	4.61	7	<5	<2	<2	13	1.7	2	4	102	.43	.078	16	60	.82	325	.09	3	2.25	.01	.08	<2	<5	2	100
MC L10+00N 6+50E	1	60	8	111	<.3	40	14	582	4.62	5	<5	<2	<2	13	1.6	<2	3	107	.56	.083	9	72	.97	192	.14	4	2.23	.01	.06	<2	<5	1	145
MC L10+00N 7+25E	1	52	9	96	<.3	50	15	498	4.47	4	<5	<2	3	9	1.0	3	2	91	.29	.055	15	67	.95	113	.15	3	2.10	<.01	.07	<2	<5	2	100
MC L10+00N 7+50E	1	47	4	60	<.3	19	7	289	2.83	<2	<5	<2	<2	16	.7	3	3	77	.43	.051	11	28	.52	113	.13	3	1.44	.02	.03	<2	<5	1	75
MC L10+00N 8+00E	1	30	11	90	<.3	18	7	390	3.44	<2	<5	<2	<2	12	1.4	2	2	63	.18	.056	17	30	.41	170	.07	3	1.52	.01	.12	<2	<5	2	85
STANDARD C/AU-S	20	62	37	129	6.8	76	32	1095	3.81	41	17	7	37	51	19.0	18	22	61	.50	.090	43	53	.87	183	.08	29	1.78	.06	.15	11	<5	47	1810

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

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900 - 409 Granville St., Vancouver BC V6C 1T2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
MC 10+00N 8+50E	1	43	17	83	.4	37	12	395	6.01	11	<5	<2	8	16	.8	2	<2	108	.35	.083	15	70	.94	148	.17	<3	2.24	.01	.10	3	<5	1	4
MC 10+00N 9+00E	1	23	24	208	<.3	23	29	792	4.63	10	<5	<2	6	19	1.2	<2	<2	78	.35	.070	22	44	.57	375	.09	<3	2.14	.01	.18	<2	<5	<1	2
MC 10+00N 9+50E	1	40	12	90	.4	61	17	466	5.73	15	<5	<2	7	24	.7	<2	<2	119	.69	.071	14	116	1.30	223	.18	<3	2.57	.01	.12	<2	<5	2	1
MC 10+00N 10+00E	1	37	7	71	<.3	49	14	463	3.43	9	<5	<2	10	20	.5	<2	<2	73	.64	.014	20	72	1.23	157	.12	<3	2.05	.01	.08	<2	<5	<1	1
MC 3+00N 10+50E	1	176	17	108	.9	25	50	4238	3.22	7	<5	<2	7	18	1.7	<2	2	67	.70	.079	29	52	.49	260	.10	<3	2.79	.02	.11	2	<5	1	<1
MC 3+00N 11+00E	1	20	12	36	<.3	6	7	435	1.54	5	<5	<2	<2	9	1.1	<2	<2	35	.13	.038	6	14	.12	87	.07	<3	.64	.03	.07	2	<5	<1	1
MC 3+00N 11+50E	1	24	14	66	<.3	21	8	363	3.88	8	<5	<2	6	12	.9	2	<2	84	.25	.077	11	48	.46	123	.13	<3	1.56	.02	.09	2	<5	1	<1
MC 3+00N 12+00E	1	28	10	87	<.3	56	11	413	4.63	10	<5	<2	5	17	.9	<2	<2	106	.59	.061	11	108	.92	117	.17	<3	1.87	.02	.11	<2	<5	1	<1
MC 3+00N 12+50E	1	75	<3	25	.5	44	11	832	.99	3	<5	<2	2	39	.6	<2	<2	19	2.49	.124	10	51	.33	189	.02	<3	1.03	.03	.04	3	<5	<1	<1
MC 3+00N 13+00E	1	16	9	63	.3	27	4	271	2.97	4	<5	<2	6	11	1.0	2	<2	92	.26	.059	15	59	.36	82	.20	<3	1.53	.01	.07	2	<5	1	<1
MC 3+00N 13+50E	1	69	11	65	.6	66	15	615	2.85	4	<5	<2	4	28	.9	<2	<2	63	1.64	.065	15	104	.89	151	.10	<3	1.81	.02	.08	2	<5	<1	1
MC 3+00N 14+00E	1	125	10	69	.6	192	33	1006	3.14	7	<5	<2	3	37	1.2	<2	<2	66	2.43	.086	19	202	1.04	196	.08	<3	1.60	.02	.06	2	<5	1	1
RE MC 10+00E 8+00N	1	33	14	69	.3	33	8	276	5.15	9	<5	<2	7	12	.5	<2	<2	134	.33	.123	15	69	.69	134	.21	<3	2.33	.01	.08	<2	<5	2	<1
MC 3+00N 14+50E	<1	36	6	81	.4	230	24	538	6.19	8	<5	<2	4	17	.2	<2	<2	141	1.15	.070	5	317	2.77	109	.31	4	2.56	.01	.07	2	<5	3	<1
MC 3+00N 15+00E	1	129	9	52	.4	349	38	1026	3.62	13	<5	<2	7	42	.8	<2	<2	72	3.36	.108	11	382	2.46	144	.07	7	1.61	.01	.06	<2	<5	1	2
MC 3+00N 15+50E	<1	126	<3	59	.4	399	45	1007	4.52	9	<5	<2	7	36	.4	<2	<2	99	2.93	.107	8	484	4.33	131	.13	11	2.18	.02	.08	2	<5	2	<1
MC 3+00N 17+00E	1	136	<3	29	<.3	96	16	650	1.56	4	<5	<2	7	48	.5	<2	<2	38	3.69	.091	6	158	.76	142	.04	4	1.42	.03	.04	2	<5	1	<1
MC 3+00N 19+00E	5	34	14	110	.8	70	26	1416	5.28	11	<5	<2	4	12	.7	<2	<2	118	.53	.101	10	111	1.29	151	.18	<3	2.26	.01	.09	<2	<5	1	1
MC 3+00N 19+50E	1	66	8	58	.6	48	11	383	2.70	4	<5	<2	6	39	.8	2	<2	46	2.23	.068	12	56	.89	215	.09	<3	1.54	.01	.08	<2	<5	1	1
MC 3+00N 21+00E	4	22	13	75	<.3	36	14	518	3.40	10	<5	<2	4	12	<.2	4	<2	74	.30	.029	12	56	.73	212	.10	<3	1.77	.01	.08	2	<5	1	<1
MC 3+00N 21+50E	1	34	7	55	<.3	39	12	488	1.97	5	<5	<2	<2	24	.7	2	<2	41	1.09	.044	10	67	.74	129	.07	<3	1.29	.02	.08	2	<5	<1	2
MC 3+00N 23+50E	1	62	8	48	<.3	37	12	568	2.38	6	<5	<2	3	43	.5	<2	<2	50	1.63	.065	11	59	.81	309	.07	<3	1.93	.02	.07	2	<5	1	1
MC 3+00N 24+00E	1	24	7	76	.5	55	15	529	4.30	11	<5	<2	5	16	.8	<2	<2	91	.62	.034	12	96	1.33	478	.17	<3	2.44	.01	.08	<2	<5	1	1
MC 10+00E 9+50N	<1	36	6	77	.3	178	23	534	5.41	8	<5	<2	5	17	.3	<2	<2	105	.54	.040	13	266	2.24	188	.18	<3	2.42	.01	.11	<2	<5	1	1
MC 10+00E 9+00N	<1	34	9	93	.4	197	25	535	6.15	6	<5	<2	4	17	.3	<2	<2	129	.58	.048	9	283	2.26	134	.20	<3	2.78	.01	.11	<2	<5	1	2
MC 10+00E 8+50N	<1	53	9	155	.6	207	29	553	5.24	11	<5	<2	6	14	.8	<2	<2	94	.51	.046	11	241	2.94	126	.16	4	2.67	.01	.08	<2	<5	2	1
MC 10+00E 8+00N	1	31	12	66	.4	31	7	264	4.91	6	<5	<2	5	11	.6	2	<2	127	.31	.118	14	67	.65	127	.20	<3	2.20	.01	.08	2	<5	1	1
MC 10+00E 7+50N	1	29	10	73	<.3	38	19	593	4.37	9	<5	<2	4	11	.2	<2	<2	79	.20	.073	12	81	.73	134	.13	<3	1.99	.01	.08	<2	<5	1	<1
MC 10+00E 7+00N	<1	55	7	82	<.3	78	20	504	5.41	6	<5	<2	4	17	<.2	<2	<2	117	.55	.028	8	133	1.96	132	.25	<3	3.20	.01	.07	<2	<5	2	1
MC 10+00E 6+50N	1	22	10	45	.4	26	6	236	3.51	7	<5	<2	3	11	.4	<2	<2	72	.20	.069	11	51	.52	122	.13	<3	1.51	.02	.07	<2	<5	1	<1
STANDARD C/AU-S	20	58	36	129	6.4	70	33	1010	3.98	43	16	6	39	52	18.4	17	19	60	.52	.093	40	61	.91	190	.09	28	1.90	.06	.16	10	<5	1	51

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
- SAMPLE TYPE: SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 27 1995 **DATE REPORT MAILED:** Oct/7/95 **SIGNED BY** ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
MC 10+00E 6+00N	1	41	5	79	.3	32	16	757	5.63	12	<5	<2	2	13	.3	2	<2	162	.42	.066	6	106	1.24	90	.34	<3	2.63	.01	.08	<2	<5	<1	2
MC 10+00E 5+00N	1	81	<3	90	.3	74	29	675	6.10	13	<5	<2	<2	17	.3	<2	<2	130	.69	.024	4	144	2.62	149	.34	<3	4.04	<.01	.08	<2	<5	1	1
MC 10+00E 4+50N	1	67	3	91	<.3	64	28	652	5.54	11	<5	<2	4	20	.5	3	<2	117	.84	.024	5	128	2.43	144	.33	<3	3.51	.01	.09	<2	<5	1	<1
MC 10+00E 4+00N	1	39	9	101	.4	38	17	587	4.87	11	<5	<2	5	19	.5	5	<2	97	.48	.102	15	71	1.17	247	.18	<3	2.40	.01	.13	<2	<5	<1	<1
MC 10+00E 3+50N	1	77	6	128	.3	64	29	762	6.73	9	<5	<2	4	21	.5	<2	<2	149	.81	.065	4	138	2.74	137	.37	<3	4.06	.01	.08	<2	<5	1	1
MC 10+00E 3+00N	1	23	5	90	.4	18	11	545	3.17	4	<5	<2	4	11	.6	3	<2	64	.26	.093	10	37	.63	100	.14	<3	1.41	.02	.09	<2	<5	<1	1
MC 10+00E 2+50N	1	78	<3	96	.6	62	22	542	5.20	12	<5	<2	5	19	.3	2	<2	100	.73	.045	11	99	2.08	126	.21	3	3.23	.01	.08	<2	<5	<1	1
MC 10+00E 2+00N	1	40	5	98	.4	39	16	511	5.09	13	<5	<2	7	14	.4	4	<2	98	.47	.090	13	73	1.18	151	.16	<3	2.20	.01	.09	2	<5	<1	1
MC 10+00E 1+50N	1	25	7	93	.4	21	13	760	3.48	8	<5	<2	3	11	.4	4	<2	59	.25	.064	13	45	.63	118	.11	<3	1.57	.01	.08	<2	<5	<1	1
MC 10+00E 1+00N	2	39	10	89	.4	34	16	1230	6.29	13	<5	<2	8	13	.4	6	<2	108	.33	.143	16	71	.90	158	.16	<3	2.36	.01	.10	<2	<5	<1	1
MC 10+00E 0+50N	1	71	18	183	.4	34	36	2455	3.61	9	<5	<2	5	26	2.1	3	<2	92	1.31	.045	11	67	.81	200	.13	<3	2.10	.01	.11	<2	<5	<1	<1
MC 10+00E 0+00N	1	34	5	99	.3	31	11	523	5.15	10	<5	<2	5	17	.5	3	<2	91	.56	.048	13	61	.92	101	.19	3	2.12	.01	.09	<2	<5	<1	1
MC 10+00E 0+50S	2	278	6	123	.5	59	27	661	5.24	9	<5	<2	3	22	.3	2	<2	102	1.57	.064	12	115	2.20	103	.20	3	3.17	.01	.08	<2	<5	<1	3
MC 10+00E 1+00S	2	274	6	130	.3	52	30	694	5.57	11	<5	<2	4	13	.5	4	<2	101	.56	.038	12	99	2.09	87	.24	<3	2.98	.01	.07	<2	<5	1	2
MC 10+00E 1+50S	1	54	8	120	.3	52	22	924	5.60	12	<5	<2	8	14	.8	5	<2	114	.41	.072	12	93	1.38	120	.24	<3	2.57	.01	.09	<2	<5	<1	2
MC 10+00E 2+00S	1	104	7	109	.3	91	24	586	6.24	10	<5	<2	5	17	.4	2	<2	121	.43	.040	6	133	2.06	133	.26	<3	3.28	.01	.08	<2	<5	1	1
MC 10+00E 2+50S	1	41	10	104	.3	30	11	536	5.19	12	<5	<2	7	13	.8	5	<2	97	.28	.107	14	60	.82	112	.14	<3	2.71	.01	.10	<2	<5	<1	2
MC 10+00E 3+00S	1	44	11	103	.3	28	20	1007	5.15	9	<5	<2	6	13	.7	4	<2	90	.32	.130	12	59	.92	128	.17	<3	1.99	.01	.09	<2	<5	<1	5
MC 10+00E 3+50S	2	86	7	93	.4	23	13	353	4.59	8	<5	<2	5	14	1.2	5	<2	99	.37	.059	10	55	.75	142	.23	<3	1.76	.01	.11	<2	<5	<1	<1
MC 10+00E 4+00S	1	46	8	102	<.3	34	13	370	5.01	8	<5	<2	6	13	.9	6	<2	91	.34	.099	15	67	1.11	118	.18	<3	2.39	.01	.11	<2	<5	<1	1
MC 10+00E 4+50S	1	42	7	60	<.3	55	12	328	3.09	7	<5	<2	3	14	<.2	4	<2	71	.45	.030	15	95	1.06	184	.14	<3	2.23	.01	.07	<2	<5	<1	1
MC 10+00E 5+00S	1	35	7	85	<.3	45	14	505	6.40	9	<5	<2	6	12	.3	6	<2	151	.27	.110	13	111	.86	152	.26	<3	2.15	.01	.08	<2	<5	1	1
MC 10+00E 6+00S	1	32	9	86	.4	31	9	478	6.31	10	<5	<2	7	10	.8	11	<2	127	.32	.097	12	69	.73	163	.20	<3	2.18	<.01	.10	2	<5	1	1
MC 10+00E 6+50S	1	35	9	81	.3	39	13	497	4.67	8	<5	<2	6	12	<.2	4	<2	94	.39	.043	15	68	.92	232	.16	<3	2.22	.01	.11	<2	<5	1	2
RE MC 10+00E 6+50S	2	36	11	83	.4	42	13	516	4.82	9	<5	<2	8	12	.2	5	<2	98	.40	.046	15	72	.96	242	.16	<3	2.31	.01	.11	<2	<5	1	5
MC 10+00E 7+00S	1	26	11	115	<.3	26	17	1294	3.91	6	<5	<2	2	11	.7	4	<2	72	.27	.093	15	52	.63	158	.12	<3	1.82	.01	.10	<2	<5	1	1
MC 10+00E 7+50S	2	33	12	100	<.3	54	15	497	5.31	11	<5	<2	5	12	.5	4	<2	85	.37	.173	13	90	1.20	119	.16	<3	2.47	<.01	.10	<2	<5	1	1
MC 10+00E 8+50S	1	46	12	88	<.3	45	15	539	4.95	11	<5	<2	6	18	.3	6	<2	96	.76	.086	17	78	1.12	220	.17	<3	2.21	.01	.09	<2	<5	1	3
MC 10+00E 9+50S	<1	74	5	53	<.3	68	16	561	3.08	4	<5	<2	2	19	.3	3	<2	59	.74	.045	5	79	1.22	143	.14	<3	2.41	.03	.08	<2	<5	<1	2
MC 10+00E 10+00S	1	25	13	62	<.3	28	8	266	3.65	7	<5	<2	5	13	.8	4	<2	77	.39	.029	16	51	.62	126	.14	<3	1.59	.01	.11	<2	<5	<1	<1
MC 10+00E 10+50S	1	32	13	66	.3	34	15	863	4.30	6	<5	<2	6	12	.2	5	<2	86	.39	.048	13	60	.81	176	.14	<3	1.96	.01	.11	<2	<5	1	<1
MC 10+00E 11+00S	1	31	<3	65	.3	57	18	342	3.72	11	<5	<2	7	19	.5	2	<2	86	.71	.038	13	99	1.19	142	.19	<3	2.36	.01	.07	<2	<5	1	<1
MC 10+00E 11+50S	<1	67	9	56	.3	57	14	354	2.49	8	<5	<2	8	50	.2	2	<2	53	2.21	.069	19	102	1.21	243	.11	3	2.33	.01	.07	2	<5	<1	<1
MC 10+00E 13+00S	<1	156	5	90	<.3	57	29	741	4.27	6	<5	<2	4	19	.4	<2	<2	79	1.11	.051	6	104	2.04	119	.29	<3	2.66	.01	.07	<2	<5	2	1
MC 10+00E 13+50S	1	83	16	89	.8	38	21	763	3.71	3	<5	<2	2	14	.3	3	<2	80	.60	.056	6	79	1.31	99	.26	<3	2.05	.01	.08	<2	<5	1	4
STANDARD C/AU-S	22	61	38	136	6.6	69	35	1058	4.11	46	15	8	43	55	17.9	18	21	62	.53	.097	42	62	.95	179	.09	26	1.98	.06	.17	11	<5	2	45

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
MC 10+00E 14+00S	1	90	12	84	.4	48	19	527	4.06	4	<5	<2	2	18	<.2	<2	<2	79	.81	.029	5	91	1.53	115	.30	<3	2.31	.01	.06	<2	<5	2	3
MC 10+00E 14+50S	1	107	3	96	<.3	55	19	467	4.44	3	<5	<2	2	18	<.2	<2	<2	79	.78	.040	6	95	1.63	126	.30	<3	2.56	.01	.05	<2	<5	1	3
MC 10+00E 15+00S	1	66	7	61	<.3	37	11	318	3.02	<2	<5	<2	<2	16	.3	<2	2	60	.74	.035	6	71	1.07	121	.25	<3	1.72	.02	.06	<2	<5	1	1
MC 10+00E 16+00S	<1	34	7	68	<.3	85	16	582	3.60	2	<5	<2	4	17	.3	<2	<2	70	.64	.025	11	113	1.70	123	.22	<3	2.39	.01	.07	2	<5	1	1
MC 10+00E 16+50S	1	36	6	67	<.3	67	15	597	5.23	5	<5	<2	2	14	.2	<2	<2	106	.44	.057	8	120	1.44	108	.33	<3	2.86	.01	.06	<2	<5	1	1
MC 10+00E 17+00S	1	19	6	87	.3	27	9	579	3.87	5	<5	<2	4	14	<.2	2	<2	86	.38	.104	10	63	.72	83	.30	<3	1.78	.01	.07	<2	<5	1	<1
MC 10+00E 17+50S	1	42	7	73	<.3	64	18	578	4.62	3	<5	<2	3	16	<.2	<2	<2	90	.46	.030	6	106	1.60	121	.37	<3	2.71	.01	.07	<2	<5	1	1
MC 10+00E 18+00S	<1	30	6	65	<.3	40	12	509	3.32	<2	<5	<2	<2	20	<.2	<2	<2	62	.56	.052	3	85	1.27	98	.36	<3	1.87	.01	.07	<2	<5	2	<1
MC 10+00E 18+50S	1	23	12	49	<.3	25	8	318	3.20	<2	<5	<2	3	16	<.2	<2	<2	85	.42	.035	7	59	.81	135	.35	<3	1.82	.01	.07	<2	<5	1	2
MC 10+00E 19+00S	1	30	4	84	<.3	40	13	410	5.47	5	<5	<2	3	17	.5	<2	<2	115	.47	.107	6	86	1.13	115	.36	<3	2.22	.01	.10	<2	<5	1	<1
MC 10+00E 19+50S	<1	30	<3	69	<.3	39	16	662	3.34	<2	<5	<2	3	19	<.2	<2	<2	61	.61	.048	8	73	1.24	120	.32	<3	1.90	.01	.07	<2	<5	1	1
MC 10+00E 20+00S	1	19	11	75	<.3	41	12	469	3.84	<2	<5	<2	2	16	.3	2	<2	87	.52	.044	9	77	.99	121	.31	<3	2.03	.01	.09	<2	<5	1	1
MC 0+00S 10+50E	1	36	16	76	<.3	28	9	497	4.50	7	<5	<2	4	15	.7	5	3	98	.51	.116	14	56	.73	107	.21	<3	1.86	.01	.12	2	<5	1	2
MC 0+00S 11+00E	1	32	16	57	<.3	17	4	365	5.65	6	<5	<2	4	20	.5	3	<2	116	.28	.125	14	37	.37	122	.18	<3	2.04	.01	.09	2	<5	<1	<1
MC 0+00S 11+50E	1	18	7	75	<.3	26	8	446	4.09	3	<5	<2	2	11	.3	3	<2	101	.35	.082	8	53	.65	76	.20	<3	1.74	.02	.09	<2	<5	<1	<1
MC 0+00S 12+00E	1	21	9	52	<.3	20	5	214	2.73	3	<5	<2	4	11	.4	3	<2	80	.24	.036	15	41	.41	76	.15	<3	1.57	.01	.06	2	<5	1	1
MC 0+00S 12+50E	<1	1	<3	5	<.3	2	1	22	.43	<2	<5	<2	<2	9	<.2	<2	<2	12	.05	.004	<1	3	.03	8	.03	<3	.11	.05	.02	2	<5	<1	1
RE MC 0+00S 12+50E	<1	1	<3	5	<.3	2	1	24	.44	<2	5	<2	<2	9	<.2	<2	<2	12	.05	.004	<1	4	.03	8	.03	<3	.11	.05	.03	2	<5	<1	<1
MC 0+00S 13+00E	1	30	15	107	.4	194	17	551	6.81	8	<5	<2	2	11	.6	<2	<2	153	.39	.106	10	278	1.67	160	.22	<3	2.45	.01	.08	<2	<5	1	4
MC 0+00S 13+50E	2	22	10	102	.4	87	9	447	5.65	5	<5	<2	6	10	.2	3	<2	130	.22	.115	14	132	.90	86	.20	<3	2.29	.01	.06	<2	<5	1	<1
MC 0+00S 14+00E	1	173	3	82	<.3	30	18	623	2.99	2	<5	<2	<2	14	.4	<2	<2	56	.88	.036	6	58	1.00	85	.15	<3	1.50	.03	.06	<2	<5	<1	1
MC 0+00S 14+50E	1	180	12	139	.4	52	20	711	5.17	7	<5	<2	4	14	<.2	<2	<2	87	.71	.052	21	80	1.75	104	.26	<3	2.45	.01	.07	<2	<5	2	2
MC 0+00S 15+00E	1	36	13	82	<.3	344	33	625	6.13	6	<5	<2	3	17	<.2	2	<2	93	.55	.043	9	392	3.15	227	.19	5	2.65	.01	.11	<2	<5	1	2
MC 0+00S 15+50E	1	27	<3	96	.3	121	19	533	4.20	3	<5	<2	<2	12	<.2	<2	<2	77	.42	.081	6	171	1.51	156	.15	3	2.08	.02	.07	<2	<5	1	1
MC 0+00S 16+00E	1	51	10	150	.4	125	48	1651	5.14	2	<5	<2	2	19	2.0	4	<2	100	.59	.106	12	236	1.19	256	.20	<3	2.15	.01	.10	<2	<5	1	1
MC 0+00S 17+50E	1	29	<3	64	<.3	109	20	485	4.71	3	<5	<2	5	13	.5	<2	<2	94	.42	.035	10	149	1.62	173	.17	<3	2.63	.01	.07	<2	<5	<1	1
MC 0+00S 18+00E	3	23	6	77	<.3	70	11	406	3.90	7	<5	<2	5	13	<.2	2	<2	84	.42	.026	15	102	1.31	148	.18	<3	1.99	.01	.07	<2	<5	1	1
MC 0+00S 18+50E	3	24	5	73	<.3	104	12	394	4.12	8	<5	<2	4	11	<.2	<2	<2	84	.37	.052	12	142	1.53	101	.17	3	1.86	.01	.07	<2	<5	<1	1
MC 0+00S 19+00E	<1	69	6	82	<.3	96	27	764	5.41	<2	<5	<2	<2	12	<.2	<2	<2	100	1.06	.028	1	141	2.74	56	.36	3	3.55	.01	.06	<2	<5	3	<1
MC 0+00S 20+00E	1	132	4	99	.4	125	30	753	5.63	2	<5	<2	4	27	<.2	<2	<2	105	1.41	.047	8	155	2.87	145	.31	3	3.92	.01	.08	<2	<5	2	3
MC 0+00S 21+00E	3	52	7	69	.8	55	11	424	2.69	5	<5	<2	5	30	.5	2	<2	37	.90	.067	19	67	.84	259	.06	<3	1.57	.02	.09	<2	<5	<1	4
MC 0+00S 21+50E	1	49	5	64	.3	41	14	411	3.51	2	<5	<2	2	23	<.2	<2	<2	76	.71	.017	6	77	1.34	122	.20	<3	2.16	.02	.06	<2	<5	<1	1
MC 0+00S 22+00E	1	75	10	109	<.3	73	24	749	5.11	7	<5	<2	7	18	<.2	<2	<2	92	.68	.032	13	100	2.16	164	.25	<3	3.24	.01	.08	<2	<5	1	1
MC 0+00S 22+50E	2	60	7	61	<.3	42	16	721	2.24	5	<5	<2	2	77	.3	<2	<2	37	2.11	.062	8	59	.70	265	.06	3	1.54	.02	.08	<2	<5	1	<1
MC 0+00S 23+00E	1	90	12	66	.6	50	12	832	2.76	6	<5	<2	3	55	.2	<2	<2	58	1.61	.089	12	86	.91	316	.03	3	1.95	.01	.07	<2	<5	<1	2
STANDARD C/AU-S	22	61	38	143	6.5	73	32	1141	4.25	42	18	7	41	55	19.5	16	20	59	.49	.098	42	60	.89	192	.09	26	1.87	.06	.17	10	<5	1	50

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
MC 2+00S 10+50E	1	34	12	102	<.3	26	10	389	4.71	4	<5	<2	5	15	1.1	<2	<2	80	.38	.144	13	48	.73	177	.13	<3	2.04	.01	.09	<2	<5	1	1
MC 2+00S 11+00E	2	225	<3	153	<.3	67	42	968	6.13	2	<5	<2	4	17	1.3	<2	<2	110	.87	.053	8	130	2.61	123	.31	4	3.57	.01	.08	<2	<5	3	2
MC 2+00S 11+50E	2	78	<3	162	.3	62	17	537	4.72	3	<5	<2	5	12	1.5	<2	<2	92	.45	.045	11	119	1.59	123	.21	<3	2.56	.01	.08	<2	<5	1	<1
MC 2+00S 12+00E	2	431	4	146	.8	63	34	823	6.09	3	<5	<2	6	18	.5	<2	<2	102	.90	.042	16	126	2.51	190	.21	3	3.93	.01	.07	<2	<5	2	8
MC 2+00S 12+50E	1	74	5	120	.4	86	26	584	4.50	4	<5	<2	3	15	1.0	3	2	82	.61	.059	9	149	1.59	122	.17	5	2.44	.02	.10	<2	<5	2	<1
MC 2+00S 13+00E	1	632	7	101	.8	42	50	2002	3.61	3	<5	<2	3	14	1.9	4	<2	85	.36	.070	15	112	.77	184	.11	3	2.16	.02	.09	<2	<5	1	1
MC 2+00S 13+50E	2	581	<3	164	.8	68	52	1033	6.49	4	<5	<2	4	19	.6	<2	2	109	1.22	.056	15	133	2.57	167	.22	<3	3.99	.01	.06	<2	<5	2	5
MC 2+00S 14+00E	2	43	5	138	.5	113	14	471	5.59	<2	<5	<2	4	11	1.3	3	<2	111	.28	.065	11	206	1.32	124	.19	3	1.96	.01	.09	<2	<5	1	2
MC 2+00S 14+50E	2	486	<3	97	.3	71	26	587	4.68	8	<5	<2	<2	29	.8	<2	<2	103	2.23	.068	6	152	1.94	160	.20	3	2.93	.01	.07	<2	<5	2	3
MC 2+00S 15+00E	1	688	<3	103	.8	32	15	362	2.03	3	<5	<2	6	40	1.4	<2	<2	43	3.46	.054	7	77	.84	152	.10	4	1.46	.02	.04	<2	<5	1	2
MC 2+00S 15+50E	1	1512	3	198	1.2	57	41	1383	3.94	3	<5	<2	5	38	2.4	<2	<2	78	2.83	.107	21	100	1.59	253	.08	<3	3.02	.02	.04	<2	<5	1	2
MC 2+00S 16+00E	2	1109	<3	180	.4	68	48	903	5.97	6	<5	<2	3	19	1.4	<2	2	105	1.02	.052	12	126	2.64	145	.19	<3	4.14	.01	.06	<2	<5	2	3
MC 2+00S 16+50E	2	2894	<3	206	.6	192	56	1045	6.33	6	<5	<2	5	24	.9	<2	5	101	1.23	.083	15	184	3.19	184	.25	4	5.08	.01	.08	<2	<5	3	5
MC 2+00S 17+00E	1	298	4	221	.4	46	37	1129	4.65	4	<5	<2	<2	11	2.1	2	<2	85	.44	.033	7	105	1.65	144	.16	3	3.03	.02	.09	<2	<5	1	1
MC 2+00S 17+50E	1	573	<3	145	.5	68	41	1407	5.30	<2	<5	<2	4	24	.9	<2	<2	92	1.64	.067	15	122	2.34	181	.17	<3	3.63	.01	.06	<2	<5	2	2
MC 2+00S 18+00E	4	286	<3	130	.5	61	34	949	6.67	6	<5	<2	6	15	1.2	2	<2	113	.85	.037	9	127	2.57	92	.31	<3	3.62	.01	.05	2	<5	3	2
MC 2+00S 18+50E	2	299	<3	126	.5	67	31	1066	6.00	4	<5	<2	3	24	.7	<2	<2	100	1.41	.042	10	132	2.62	152	.24	<3	3.73	.01	.05	<2	<5	2	2
MC 2+00S 19+00E	2	358	<3	129	.4	74	29	825	5.95	3	<5	<2	2	21	.4	<2	<2	94	1.23	.052	11	141	2.73	152	.21	<3	3.88	.01	.06	<2	<5	2	3
MC 2+00S 19+50E	1	278	<3	109	.6	70	25	869	4.51	3	<5	<2	4	23	.6	<2	<2	77	1.42	.061	15	120	2.10	143	.17	<3	3.05	.01	.06	<2	<5	2	3
MC 2+00S 20+00E	2	215	9	90	.8	91	29	868	3.88	8	<5	<2	7	31	.9	3	<2	63	1.78	.068	16	95	1.32	291	.10	3	2.55	.01	.11	<2	<5	2	4
MC 2+00S 20+50E	1	208	12	57	.8	56	14	888	2.08	<2	<5	<2	3	39	.8	<2	<2	38	2.10	.102	12	73	.80	193	.04	4	1.63	.02	.06	<2	<5	1	2
RE MC 2+00S 20+00E	3	226	10	91	1.1	94	30	889	3.93	8	<5	<2	6	33	.4	3	2	64	1.86	.071	17	99	1.32	303	.09	3	2.61	.01	.11	<2	<5	1	4
MC 2+00S 21+00E	1	379	3	119	.7	79	24	642	4.52	6	<5	<2	5	26	.6	<2	<2	82	1.55	.072	18	157	2.34	185	.13	<3	3.49	.01	.07	<2	<5	1	4
MC 2+00S 21+50E	1	300	<3	95	.7	74	23	962	3.68	2	<5	<2	5	37	.5	3	<2	67	2.08	.082	17	122	1.70	205	.09	3	2.89	.02	.06	<2	<5	2	3
MC 2+00S 22+00E	2	58	<3	85	.5	51	15	502	3.84	4	<5	<2	11	20	.7	2	<2	63	1.01	.028	23	77	1.67	270	.18	<3	2.45	.01	.07	<2	<5	1	1
MC 2+00S 22+50E	2	28	12	82	.3	34	12	395	3.22	7	<5	<2	4	20	1.4	2	<2	67	.67	.026	18	85	.97	248	.11	<3	2.11	.01	.12	<2	<5	1	1
MC 2+00S 24+00E	2	29	<3	94	.3	54	17	526	5.29	4	<5	<2	5	14	1.4	<2	<2	101	.54	.035	12	102	1.75	161	.24	3	3.25	.01	.08	<2	<5	2	2
MC 2+00S 24+50E	2	34	5	81	<.3	75	18	503	4.12	7	<5	<2	4	15	.9	3	<2	76	.70	.026	13	111	1.77	217	.17	3	2.70	.01	.08	<2	<5	2	1
MC 2+00S 25+00E	1	17	11	101	.3	27	20	1380	3.45	3	<5	<2	2	18	1.7	<2	<2	74	.63	.121	11	81	.75	211	.14	<3	1.60	.01	.09	<2	<5	1	<1
MC 2+00S 25+50E	3	81	19	145	1.0	64	25	1552	5.28	14	<5	<2	5	21	1.6	2	<2	85	.38	.127	20	95	.92	842	.06	<3	3.18	.01	.19	<2	<5	1	1
MC 2+00S 26+00E	5	42	20	117	.7	48	37	2188	6.50	25	<5	<2	4	16	1.5	6	2	104	.29	.097	17	92	.80	504	.07	3	2.75	.01	.17	<2	<5	1	1
MC 2+00S 26+50E	2	28	7	83	.5	55	13	479	3.67	8	<5	<2	8	14	.3	3	<2	53	.29	.045	21	78	1.02	349	.07	3	2.05	.01	.09	<2	<5	1	1
MC 2+00S 27+00E	2	39	8	85	<.3	79	15	526	3.40	10	<5	<2	9	17	.7	3	<2	37	.31	.036	19	99	1.16	271	.04	<3	1.63	.01	.07	<2	<5	<1	2
MC 2+00S 27+50E	1	32	4	72	.5	61	12	417	2.98	10	<5	<2	7	22	.5	3	<2	49	.62	.034	17	85	1.11	407	.11	3	1.68	.01	.08	<2	<5	1	2
MC 2+00S 28+00E	1	42	7	95	.5	110	16	661	3.10	13	<5	<2	6	31	.8	3	<2	42	.73	.073	19	115	1.51	303	.10	3	1.42	.01	.09	<2	<5	<1	4
STANDARD C/AU-S	21	59	36	133	6.5	65	33	1106	4.05	41	18	8	40	53	19.2	16	23	56	.54	.094	40	62	.93	179	.09	26	1.98	.06	.16	10	<5	2	45

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
MC 4+00S 10+50E	1	34	8	75	<.3	35	12	343	5.01	9	<5	<2	3	16	.5	<2	<2	113	.43	.059	10	75	.95	201	.19	<3	2.51	.01	.06	<2	<5	1	2
MC 4+00S 11+00E	2	32	18	95	<.3	45	15	597	6.08	11	<5	<2	6	10	.7	<2	<2	131	.27	.139	13	101	.93	127	.19	<3	2.33	.01	.07	2	<5	1	<1
MC 4+00S 11+50E	1	63	11	91	<.3	40	15	503	5.17	6	<5	<2	3	10	1.5	<2	<2	122	.36	.132	8	86	.95	114	.25	<3	1.87	.01	.08	<2	<5	1	<1
MC 4+00S 12+00E	2	33	14	101	<.3	52	12	371	5.32	7	<5	<2	6	13	1.1	<2	<2	117	.35	.156	12	101	.94	138	.17	<3	1.91	.01	.10	<2	<5	1	1
MC 4+00S 12+50E	1	163	11	87	.3	63	25	803	3.78	6	<5	<2	3	20	<.2	<2	<2	78	.76	.052	17	103	1.33	283	.15	<3	2.42	.01	.07	<2	<5	1	2
MC 4+00S 13+00E	2	263	17	179	.5	106	34	1245	6.07	6	<5	<2	3	12	1.8	<2	3	150	.26	.096	11	140	.75	286	.09	<3	3.25	.01	.07	<2	<5	<1	<1
MC 4+00S 13+50E	<1	48	4	74	<.3	99	20	563	4.54	6	<5	<2	3	15	.6	<2	<2	96	.74	.023	9	138	2.14	189	.25	<3	2.82	.01	.05	<2	<5	2	<1
MC 4+00S 14+00E	1	23	8	101	<.3	98	16	540	4.54	4	<5	<2	3	12	.5	<2	<2	88	.34	.089	13	191	1.43	114	.14	<3	1.80	.01	.08	2	<5	1	<1
MC 4+00S 14+50E	1	26	9	100	<.3	180	21	534	6.22	5	<5	<2	5	13	.5	<2	3	116	.42	.048	11	325	2.54	107	.23	3	2.50	.01	.07	<2	<5	1	<1
MC 4+00S 15+00E	1	232	5	88	<.3	60	21	485	4.06	4	<5	<2	3	22	.4	<2	3	89	1.15	.064	11	113	1.81	204	.18	<3	2.74	.01	.04	<2	<5	2	12
MC 4+00S 15+50E	1	260	9	117	.4	92	28	700	4.97	3	<5	<2	5	24	.7	<2	<2	94	1.12	.056	13	149	2.26	255	.19	<3	3.20	.01	.06	<2	<5	2	3
MC 4+00S 16+00E	2	296	13	130	<.3	83	33	724	6.33	8	<5	<2	4	14	.7	<2	<2	127	.82	.028	16	164	3.09	164	.23	<3	4.90	.01	.05	<2	<5	3	2
MC 4+00S 16+50E	1	162	6	99	<.3	71	26	1051	4.21	2	<5	<2	3	12	.6	<2	<2	87	.54	.031	10	135	2.03	198	.16	<3	3.12	.02	.05	<2	<5	<1	1
MC 4+00S 17+00E	1	178	10	135	<.3	87	30	719	5.83	2	<5	<2	6	19	.4	<2	<2	113	1.08	.034	12	161	2.87	240	.21	<3	4.37	.01	.06	<2	<5	3	2
MC 4+00S 17+50E	1	172	8	96	<.3	72	21	530	3.82	5	<5	<2	2	31	.2	<2	<2	71	1.77	.071	13	113	1.91	297	.09	<3	3.13	.02	.05	<2	<5	1	3
MC 4+00S 19+00E	1	97	15	104	.3	63	16	756	3.18	10	<5	<2	6	30	.8	<2	<2	64	1.61	.058	14	104	1.43	293	.10	<3	2.29	.01	.07	<2	<5	1	3
MC 4+00S 20+00E	<1	24	10	52	<.3	60	11	314	2.44	5	<5	<2	3	15	.5	<2	<2	51	.41	.034	11	99	.96	145	.09	3	1.48	.02	.10	<2	<5	<1	3
MC 4+00S 21+00E	4	42	12	103	.6	82	27	856	5.09	9	<5	<2	10	14	<.2	3	<2	84	.40	.038	17	104	1.32	248	.13	3	2.60	.01	.07	<2	<5	<1	4
MC 4+00S 21+50E	2	24	9	67	<.3	34	10	341	3.35	7	<5	<2	8	15	.6	<2	<2	68	.43	.024	20	61	1.08	212	.14	<3	1.88	.01	.08	<2	<5	1	3
MC 4+00S 22+00E	3	39	11	84	<.3	50	14	442	4.82	8	<5	<2	5	13	.6	<2	<2	107	.52	.036	13	91	1.58	162	.22	<3	2.88	.01	.07	<2	<5	1	1
MC 4+00S 22+50E	5	37	11	111	<.3	76	16	600	4.60	11	<5	<2	8	13	.3	2	<2	91	.48	.054	14	114	1.51	147	.17	4	2.27	.01	.08	<2	<5	<1	3
MC 4+00S 23+00E	1	62	10	83	<.3	57	13	498	2.77	6	<5	<2	5	30	<.2	<2	<2	55	1.33	.042	18	75	1.15	246	.13	<3	1.94	.01	.07	<2	<5	1	1
MC 4+00S 23+50E	2	27	15	110	<.3	58	18	618	4.35	10	<5	<2	9	16	.9	3	<2	90	.47	.042	15	116	1.32	191	.18	<3	1.96	.01	.09	<2	<5	1	2
RE MC 4+00S 23+50E	3	26	16	111	<.3	56	18	620	4.36	9	<5	<2	6	16	.9	2	<2	90	.46	.041	16	116	1.33	191	.18	<3	1.97	.01	.09	<2	<5	1	1
MC 4+00S 24+00E	1	20	8	82	<.3	38	13	481	3.22	8	<5	<2	7	19	.4	<2	<2	70	.54	.027	16	86	1.08	286	.15	<3	1.71	.01	.09	<2	<5	1	3
MC 6+00S 10+50E	1	19	10	85	<.3	26	7	334	3.66	3	<5	<2	4	12	1.3	4	<2	98	.36	.041	15	56	.49	201	.15	<3	2.01	.01	.09	<2	<5	1	1
MC 6+00S 11+00E	1	46	11	69	<.3	75	16	435	3.47	2	<5	<2	7	25	<.2	<2	<2	70	.93	.058	18	100	1.42	291	.11	<3	2.46	.01	.07	<2	<5	1	6
MC 6+00S 11+50E	1	20	10	93	<.3	47	10	431	4.39	5	<5	<2	4	14	1.0	3	<2	95	.60	.099	15	100	.69	130	.16	<3	1.39	.01	.08	<2	<5	1	<1
MC 6+00S 12+50E	<1	27	8	102	<.3	166	15	380	4.99	4	<5	<2	6	13	.7	3	<2	114	.41	.065	12	257	1.89	108	.15	3	1.92	.01	.10	<2	<5	<1	<1
MC 6+00S 13+00E	1	83	20	104	.5	66	13	528	3.34	6	5	<2	7	31	.4	4	<2	52	1.40	.076	15	95	1.36	211	.09	3	2.28	.01	.06	<2	<5	2	<1
MC 6+00S 14+00E	<1	167	9	77	.4	162	20	494	3.02	2	<5	<2	8	37	<.2	3	<2	64	1.47	.062	21	162	1.74	256	.15	4	2.25	.01	.08	<2	<5	1	3
MC 6+00S 15+00E	1	55	6	80	<.3	93	16	607	3.38	2	<5	<2	6	27	.4	2	<2	79	1.24	.045	9	138	1.77	152	.26	4	2.30	.01	.07	<2	<5	2	2
MC 6+00S 17+00E	<1	93	9	86	.5	81	22	661	4.09	3	<5	<2	9	23	<.2	3	<2	88	.99	.046	15	116	1.86	238	.25	3	2.75	.01	.08	<2	<5	1	2
MC 6+00S 18+00E	4	22	6	92	.8	41	8	252	4.05	6	<5	<2	5	10	1.6	8	<2	136	.36	.036	12	72	.53	159	.23	<3	1.77	.01	.07	<2	<5	1	<1
MC 6+00S 18+50E	6	44	16	134	1.1	90	33	1078	6.80	21	<5	<2	8	10	.9	6	<2	127	.30	.095	10	129	1.38	137	.16	<3	2.62	.01	.08	<2	<5	1	3
STANDARD C/AU-S	21	58	38	129	5.9	68	33	1012	4.02	41	18	8	38	51	18.3	18	22	62	.50	.092	40	61	.92	189	.09	28	1.89	.06	.15	10	<5	2	51

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
MC 6+00S 19+00E	10	36	17	164	.5	78	16	716	6.91	16	<5	<2	5	13	2.6	5	3	116	.33	.132	11	135	1.24	133	.27	3	2.28	.01	.09	<2	<5	<1	2
MC 6+00S 19+50E	15	44	15	103	<.3	103	17	402	3.72	15	<5	<2	8	31	.2	4	<2	55	.77	.062	14	104	1.65	162	.14	4	1.71	.01	.07	<2	<5	<1	6
RE MC 6+00S 19+50E	15	45	13	102	<.3	103	17	401	3.73	16	<5	<2	7	31	<.2	4	<2	55	.77	.063	14	105	1.65	162	.14	5	1.72	.01	.06	<2	<5	<1	3
MC 6+00S 20+00E	6	41	13	76	<.3	65	12	324	3.52	9	<5	<2	8	16	1.0	4	<2	68	.45	.017	18	90	1.18	178	.15	4	2.04	.01	.06	<2	<5	<1	2
MC 6+00S 20+50E	6	72	15	109	<.3	115	18	367	3.73	12	<5	<2	8	29	.9	4	<2	63	.82	.062	21	120	1.56	190	.17	4	2.04	.01	.07	<2	<5	<1	4
MC 6+00S 22+00E	<1	31	13	67	.5	45	11	346	2.92	3	<5	<2	9	21	<.2	2	<2	53	.73	.047	19	71	1.32	202	.19	3	1.85	.01	.06	<2	<5	<1	1
MC 6+00S 22+50E	1	21	15	58	<.3	37	8	297	3.19	7	<5	<2	4	20	.5	4	<2	76	.69	.016	11	77	1.12	185	.21	3	1.90	.01	.06	<2	5	1	1
MC 6+00S 23+00E	2	19	13	58	.3	37	7	266	3.16	7	<5	<2	7	12	.2	3	<2	66	.39	.020	17	67	.94	197	.15	3	1.92	.01	.07	<2	<5	<1	1
MC 6+00S 23+50E	3	23	13	72	<.3	41	9	340	3.60	9	<5	<2	7	12	1.2	5	<2	80	.43	.040	15	73	.86	197	.20	4	1.73	.01	.08	<2	<5	1	1
MC 6+00S 24+00E	2	44	11	80	.5	105	16	436	4.04	11	<5	<2	6	11	.4	<2	<2	61	.39	.031	15	136	1.39	142	.14	5	2.13	.01	.06	<2	<5	<1	3
MC 8+00S 0+00E	1	60	12	81	<.3	41	13	604	5.57	12	<5	<2	7	12	.6	<2	<2	106	.30	.045	12	88	1.35	106	.23	<3	2.36	.01	.08	<2	<5	1	2
MC 8+00S 0+50E	1	38	12	74	.3	31	10	690	5.62	10	<5	<2	3	10	.8	2	<2	107	.26	.063	10	76	1.09	137	.18	3	2.38	.01	.07	<2	<5	1	1
MC 8+00S 1+00E	1	116	11	82	.6	53	24	626	4.34	8	<5	<2	8	19	.4	3	<2	79	.79	.066	16	97	1.79	154	.23	3	2.74	.01	.07	3	5	1	2
MC 8+00S 1+50E	<1	114	5	73	.4	49	25	612	4.07	8	<5	<2	3	17	<.2	<2	<2	80	.75	.051	9	99	1.95	134	.33	3	2.70	.01	.06	<2	<5	1	1
MC 8+00S 2+00E	1	133	9	94	<.3	53	27	918	5.10	11	<5	<2	2	15	.5	2	<2	102	.45	.065	13	127	1.97	200	.26	3	3.39	.01	.09	<2	<5	1	2
MC 8+00S 2+50E	<1	109	8	109	<.3	60	28	782	5.15	5	<5	<2	3	15	<.2	2	<2	95	.59	.045	10	124	2.44	97	.23	<3	3.16	.01	.05	<2	<5	1	1
MC 8+00S 3+00E	1	73	11	94	<.3	31	10	469	5.66	6	<5	<2	5	10	.9	2	<2	94	.28	.127	13	67	1.04	86	.26	<3	2.36	.01	.08	<2	<5	1	1
MC 8+00S 3+50E	<1	59	10	66	<.3	38	13	430	3.58	8	<5	<2	8	13	.7	<2	<2	64	.45	.032	14	70	1.42	78	.22	<3	2.19	.01	.07	<2	<5	<1	1
MC 8+00S 4+00E	1	36	9	96	<.3	29	9	474	5.12	9	<5	<2	8	9	1.0	3	<2	94	.20	.054	15	65	1.03	121	.23	3	2.72	.01	.07	2	<5	1	1
MC 8+00S 4+50E	1	42	10	125	<.3	35	11	763	5.20	10	<5	<2	3	13	.9	3	2	100	.36	.093	11	84	1.03	153	.16	3	2.42	.01	.09	<2	<5	1	1
MC 8+00S 5+00E	2	33	11	98	.4	39	12	371	5.16	12	<5	<2	8	17	.4	<2	<2	90	.34	.091	23	79	.95	193	.15	4	2.31	.01	.10	<2	<5	<1	2
MC 8+00S 6+50E	1	54	14	90	.3	34	11	406	6.42	6	<5	<2	7	10	.8	4	<2	123	.35	.092	12	80	1.04	126	.27	4	2.91	.01	.07	<2	<5	1	1
MC 8+00S 7+00E	1	103	10	71	.3	85	23	633	4.06	10	<5	<2	4	21	.5	<2	<2	66	.77	.046	18	120	2.27	169	.09	<3	3.02	.01	.06	<2	<5	<1	3
MC 8+00S 7+50E	1	40	12	79	<.3	30	13	901	5.95	10	<5	<2	8	13	1.1	<2	<2	116	.31	.171	16	65	.75	129	.16	4	2.08	.01	.07	<2	<5	1	2
MC 8+00S 8+50E	2	25	14	124	.4	21	8	400	5.45	6	<5	<2	8	11	1.3	2	<2	91	.20	.090	20	50	.52	184	.15	3	2.19	.01	.08	<2	<5	<1	1
MC 8+00S 9+00E	1	27	10	88	.3	22	18	1405	2.85	7	<5	<2	4	12	1.0	4	<2	63	.29	.041	16	60	.53	222	.12	<3	2.14	.01	.08	<2	<5	<1	1
MC 8+00S 10+50E	1	34	13	91	<.3	40	12	420	4.43	7	<5	<2	6	14	.9	<2	<2	70	.38	.090	13	75	.91	119	.16	3	2.06	.01	.08	<2	<5	<1	1
MC 8+00S 11+00E	2	26	14	75	<.3	26	8	369	4.77	6	<5	<2	5	12	.8	<2	<2	98	.26	.071	17	54	.61	117	.21	4	1.62	.01	.10	<2	<5	<1	1
MC 8+00S 11+50E	<1	38	11	88	<.3	82	21	512	4.01	6	<5	<2	5	18	.4	<2	<2	67	.70	.049	12	128	1.84	152	.26	3	2.31	.01	.09	<2	<5	<1	1
MC 8+00S 12+00E	1	76	11	73	.6	64	17	743	3.75	10	<5	<2	3	23	.7	<2	<2	76	.81	.074	14	113	.97	237	.12	4	1.75	.02	.08	<2	<5	1	1
MC 8+00S 12+50E	1	47	13	100	<.3	107	19	643	5.05	10	<5	<2	5	20	.7	<2	<2	90	.93	.060	13	171	1.77	242	.19	4	2.44	.01	.12	<2	<5	1	1
MC 8+00S 14+50E	1	164	10	81	.6	135	33	1257	3.68	8	<5	<2	7	53	.4	<2	<2	70	1.91	.108	41	170	1.79	453	.10	4	3.91	.01	.10	<2	<5	1	2
MC 8+00S 16+50E	<1	60	10	92	.4	129	13	438	3.46	3	<5	<2	7	25	.2	2	<2	68	1.09	.056	15	222	2.99	205	.20	5	2.62	.01	.09	<2	<5	1	4
MC 8+00S 17+25E	1	34	11	89	<.3	275	31	666	5.73	11	<5	<2	3	11	.3	<2	<2	98	.49	.034	9	342	3.59	156	.21	6	2.67	.01	.10	<2	<5	1	2
MC 8+00S 17+75E	1	43	5	79	<.3	233	31	756	4.51	9	<5	<2	2	19	.2	<2	<2	80	.97	.028	10	274	3.35	145	.24	8	2.46	.01	.06	<2	<5	2	130
STANDARD C/AU-S	21	62	37	133	6.4	69	30	1044	4.07	43	14	7	40	54	18.8	19	17	57	.53	.094	41	65	.94	198	.09	27	1.96	.06	.15	10	<5	1	48

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
MC 8+00S 18+00E	2	112	6	86	.3	223	22	1386	3.60	11	<5	<2	4	49	<.2	<2	<2	61	1.24	.076	25	163	1.55	334	.12	3	2.43	.01	.09	<2	<5	<1	7
MC 8+00S 18+50E	3	88	3	109	.4	151	22	911	4.37	15	<5	<2	6	36	.2	<2	<2	66	.89	.073	17	130	1.75	222	.19	5	2.48	.01	.09	<2	<5	<1	5
MC 8+00S 19+00E	4	64	<3	99	.6	112	15	488	3.76	11	<5	<2	7	30	<.2	2	<2	63	.68	.058	21	110	1.49	189	.20	3	2.06	.01	.07	<2	<5	<1	3
MC 8+00S 19+50E	6	44	<3	83	.6	94	13	401	3.31	11	<5	<2	7	25	.4	2	<2	55	.55	.056	17	101	1.36	112	.17	4	1.70	.01	.07	<2	<5	<1	6
MC 8+00S 20+00E	7	33	4	86	.4	68	13	313	4.46	11	<5	<2	6	17	.5	2	<2	77	.37	.019	14	93	1.08	220	.16	<3	2.25	.01	.11	<2	<5	<1	1
MC 8+00S 21+00E	1	28	<3	89	.3	58	15	451	4.41	10	<5	<2	6	20	<.2	<2	<2	78	.51	.026	14	90	1.41	194	.22	3	2.93	.01	.08	<2	<5	<1	1
MC 8+00S 21+50E	4	29	10	136	.4	60	16	545	5.63	18	<5	<2	6	18	.4	2	<2	90	.43	.142	16	96	1.32	211	.16	3	2.94	.01	.10	<2	<5	<1	1
MC 8+00S 22+00E	1	30	8	73	.5	52	15	573	3.60	12	<5	<2	6	19	<.2	<2	<2	63	.47	.049	18	77	1.19	185	.17	3	2.15	.01	.08	<2	<5	<1	<1
MC 8+00S 22+50E	2	25	6	90	.3	51	12	403	3.93	12	<5	<2	6	23	.6	2	<2	67	.49	.024	20	75	1.29	233	.14	<3	2.40	.01	.08	<2	<5	<1	1
MC 8+00S 23+00E	1	26	<3	81	<.3	52	13	592	3.56	12	<5	<2	2	20	<.2	<2	<2	64	.56	.057	16	78	1.17	182	.17	3	2.08	.01	.08	<2	<5	<1	1
MC 8+00S 23+50E	2	31	9	71	.6	57	13	391	3.84	9	<5	<2	9	17	<.2	<2	<2	69	.45	.017	17	85	1.21	173	.18	5	2.53	.01	.05	<2	<5	<1	3
MC 8+00S 24+00E	<1	53	10	73	.7	56	13	495	3.43	6	<5	<2	6	26	.6	<2	<2	64	.73	.040	18	82	1.16	346	.19	3	2.25	.01	.08	<2	<5	<1	1
MC 10+00S 0+00E	1	82	<3	77	<.3	47	19	488	3.81	7	<5	<2	5	22	<.2	<2	<2	70	.58	.057	15	84	1.43	127	.24	<3	2.59	.01	.07	<2	<5	<1	2
MC 10+00S 0+50E	1	28	4	75	.3	26	12	468	4.02	9	<5	<2	8	16	<.2	3	<2	82	.25	.041	19	58	.73	116	.17	3	2.11	.01	.10	<2	<5	<1	<1
MC 10+00S 1+00E	<1	55	5	71	.4	36	15	493	4.00	6	<5	<2	5	17	.3	<2	<2	90	.47	.030	13	78	1.25	150	.30	<3	2.37	.01	.09	<2	5	1	2
RE MC 10+00S 1+00E	1	55	<3	68	<.3	36	14	473	3.87	9	<5	<2	4	16	.3	<2	<2	87	.46	.029	12	75	1.21	146	.30	3	2.30	.01	.08	<2	<5	1	<1
MC 10+00S 2+00E	1	61	4	64	.3	38	14	389	3.15	7	<5	<2	8	21	<.2	<2	<2	59	.54	.058	17	66	1.24	95	.23	<3	1.92	.01	.05	<2	<5	<1	2
MC 10+00S 2+50E	1	62	7	114	<.3	53	18	624	5.65	11	<5	<2	2	16	.2	<2	2	107	.64	.069	9	95	1.52	92	.22	<3	3.27	.01	.06	<2	<5	<1	2
MC 10+00S 3+00E	1	76	<3	77	<.3	43	20	477	3.62	6	<5	<2	5	21	<.2	<2	<2	75	.71	.047	10	79	1.55	77	.36	3	2.19	.01	.04	<2	<5	1	2
MC 10+00S 3+50E	<1	79	5	99	<.3	36	14	571	5.56	9	<5	<2	3	17	.4	<2	<2	106	.52	.080	12	74	1.23	160	.25	<3	2.66	.01	.08	<2	<5	<1	<1
MC 10+00S 4+00E	<1	38	8	83	.4	23	9	661	5.25	5	<5	<2	2	13	<.2	3	<2	104	.24	.108	11	56	.70	92	.21	<3	2.27	.01	.07	<2	<5	1	<1
MC 10+00S 4+50E	1	46	8	103	.6	30	10	471	6.03	7	<5	<2	4	12	.3	2	<2	114	.32	.094	10	67	.94	90	.25	<3	2.57	.01	.09	<2	<5	<1	1
MC 10+00S 5+00E	1	45	11	110	<.3	30	11	646	5.85	6	<5	<2	5	12	.5	2	<2	109	.26	.087	11	64	1.00	121	.25	<3	2.55	.01	.07	<2	<5	1	1
MC 10+00S 5+50E	1	53	6	91	.4	42	13	458	5.22	7	<5	<2	6	15	.2	<2	<2	108	.32	.058	17	79	1.06	142	.24	<3	2.88	.01	.07	<2	<5	<1	1
MC 10+00S 6+00E	1	39	8	121	.4	34	12	705	6.16	8	<5	<2	3	14	.3	<2	<2	111	.30	.129	12	72	1.06	123	.21	<3	2.72	.01	.08	<2	<5	<1	<1
MC 10+00S 6+50E	1	39	9	94	.4	32	14	636	4.77	3	<5	<2	4	17	.6	4	<2	93	.39	.057	9	78	1.08	123	.25	3	2.54	.01	.07	<2	<5	1	<1
MC 10+00S 7+00E	1	36	6	60	.3	46	10	350	3.22	6	<5	<2	7	22	<.2	2	<2	68	.51	.060	20	79	.96	128	.15	4	1.87	.01	.05	<2	<5	<1	1
MC 10+00S 7+50E	<1	27	11	97	.3	51	12	451	4.69	3	<5	<2	3	16	.2	2	<2	93	.45	.076	12	81	.80	158	.15	3	2.16	.02	.08	<2	<5	<1	<1
MC 10+00S 8+00E	1	27	10	82	.5	88	15	381	4.59	4	<5	<2	6	16	.5	3	<2	94	.39	.038	16	129	1.37	146	.20	<3	2.68	.01	.08	<2	<5	1	1
MC 10+00S 8+50E	<1	38	10	108	.5	52	15	637	3.98	5	<5	<2	6	27	.2	2	<2	75	.63	.090	21	78	.89	168	.16	3	2.12	.01	.07	<2	<5	1	6
MC 10+00S 9+00E	1	42	13	142	.4	37	13	407	6.49	6	<5	<2	6	11	1.0	<2	<2	124	.31	.054	13	69	.86	210	.30	4	2.99	.01	.11	<2	6	2	<1
MC 10+00S 9+50E	1	35	14	77	<.3	35	10	368	5.39	4	<5	<2	7	12	.6	2	<2	115	.37	.045	16	61	.73	214	.15	3	2.97	.01	.12	<2	<5	1	<1
MC 10+00S 10+50E	1	26	9	55	.6	30	8	289	4.30	4	<5	<2	6	13	.4	2	<2	86	.28	.036	14	56	.63	112	.15	4	1.83	.01	.10	<2	<5	1	2
MC 10+00S 11+00E	1	28	12	56	.3	24	9	330	5.75	5	<5	<2	5	16	.6	2	<2	109	.24	.089	13	54	.53	133	.18	4	1.90	.01	.09	<2	<5	1	<1
MC 10+00S 11+50E	1	43	6	60	.3	69	14	298	3.75	4	<5	<2	5	19	.3	<2	<2	74	.65	.028	14	97	1.15	147	.17	3	2.65	.01	.07	<2	<5	<1	1
STANDARD C/AU-S	22	62	35	138	6.5	73	31	1047	4.20	42	17	7	42	62	19.3	18	21	59	.49	.097	42	61	.87	178	.09	26	2.07	.06	.17	9	<5	1	47

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
MC 10+00S 12+00E	<1	45	<3	73	<.3	88	21	557	4.49	3	<5	<2	4	25	<.2	<2	<2	90	1.36	.037	10	131	2.18	150	.28	4	3.21	.01	.06	2	<5	2	2
MC 10+00S 18+50E	1	150	<3	114	.5	84	26	658	4.17	3	<5	<2	4	24	<.2	<2	<2	80	1.15	.044	13	146	2.23	205	.28	<3	3.27	.01	.06	<2	<5	2	5
MC 10+00S 19+00E	<1	155	<3	110	<.3	73	26	732	4.53	<2	<5	<2	<2	19	<.2	2	<2	76	1.09	.056	8	142	2.39	160	.26	<3	3.44	.01	.06	<2	<5	1	3
MC 10+00S 19+50E	5	93	7	115	.4	95	18	566	4.28	9	<5	<2	5	27	<.2	4	<2	72	.83	.060	22	127	1.75	239	.19	3	2.73	.01	.09	<2	<5	<1	5
MC 10+00S 20+00E	6	55	5	101	.5	93	14	488	3.54	4	<5	<2	8	27	<.2	4	<2	59	.64	.063	24	102	1.37	168	.17	3	1.82	.01	.07	<2	<5	1	5
RE MC 10+00S 20+00E	6	56	5	102	.4	90	14	493	3.57	7	<5	<2	7	27	.5	5	<2	59	.65	.065	24	102	1.37	171	.17	3	1.83	.01	.07	<2	5	1	5
MC 10+00S 20+50E	7	52	7	96	.5	93	14	430	3.44	5	<5	<2	7	25	<.2	3	<2	58	.56	.047	23	109	1.40	181	.16	3	1.88	.01	.07	<2	<5	1	4
MC 10+00S 21+00E	5	42	<3	87	.4	66	10	339	3.09	2	<5	<2	5	23	<.2	4	<2	55	.55	.060	23	93	1.17	152	.15	3	1.92	.01	.08	<2	<5	<1	3
MC 10+00S 21+50E	3	30	<3	72	.3	48	10	408	3.66	6	<5	<2	4	15	<.2	3	<2	70	.49	.039	14	83	1.21	118	.22	3	2.07	.01	.07	<2	<5	1	2
MC 10+00S 22+00E	3	27	7	83	.3	53	12	415	3.85	11	<5	<2	7	16	.7	5	<2	65	.52	.053	18	88	1.19	166	.17	3	2.24	.01	.08	2	<5	1	2
MC 10+00S 22+50E	3	40	6	94	.5	58	12	396	3.93	11	<5	<2	5	34	.3	5	<2	70	.82	.043	19	97	1.13	512	.13	<3	2.40	.01	.10	<2	<5	1	1
MC 10+00S 23+50E	1	45	<3	113	.4	71	17	536	3.58	5	<5	<2	9	33	<.2	2	<2	58	.77	.073	24	99	1.48	455	.15	3	2.42	.01	.10	<2	<5	1	3
MC 12+00S 0+00E	1	80	5	106	<.3	45	16	513	5.16	7	<5	<2	3	12	<.2	3	<2	100	.44	.055	14	81	1.34	113	.26	3	3.11	.01	.08	<2	<5	1	1
MC 12+00S 0+50E	2	49	7	95	<.3	36	11	402	3.45	6	<5	<2	12	22	<.2	3	3	56	.40	.088	26	46	.81	142	.14	4	2.02	.01	.10	2	<5	1	2
MC 12+00S 1+00E	1	59	3	96	<.3	53	21	773	5.92	4	<5	<2	<2	14	<.2	2	<2	120	.69	.061	11	100	1.78	85	.22	3	3.42	.01	.07	<2	<5	2	1
MC 12+00S 1+50E	2	45	5	143	<.3	36	18	1114	6.29	6	<5	<2	<2	16	<.2	5	<2	99	.43	.126	17	71	.93	192	.15	<3	2.75	.01	.10	<2	<5	1	3
MC 12+00S 2+00E	<1	96	3	94	<.3	55	21	727	5.13	5	<5	<2	4	15	<.2	4	<2	93	.59	.066	10	99	1.91	112	.33	3	3.04	.01	.12	<2	<5	1	1
MC 12+00S 2+25E	2	47	4	110	<.3	37	14	518	5.29	5	<5	<2	6	15	<.2	5	<2	110	.35	.059	16	90	1.29	109	.30	<3	2.52	.01	.08	<2	<5	2	2
MC 12+00S 3+00E	<1	66	<3	83	<.3	39	18	503	5.08	<2	<5	<2	<2	14	<.2	<2	<2	113	.77	.041	3	106	1.59	74	.42	<3	3.09	.02	.05	<2	<5	1	<1
MC 12+00S 3+50E	1	60	<3	71	<.3	50	17	439	4.22	4	<5	<2	2	20	<.2	4	<2	74	.63	.032	4	108	1.73	96	.34	<3	2.79	.01	.05	<2	5	<1	1
MC 12+00S 4+00E	1	61	<3	76	<.3	41	15	349	3.73	5	<5	<2	4	18	<.2	3	<2	71	.58	.047	14	67	1.33	100	.25	3	2.03	.01	.05	2	<5	1	1
MC 12+00S 4+50E	1	51	<3	74	.5	34	12	447	4.09	3	<5	<2	7	17	.2	4	<2	80	.37	.045	18	76	1.09	114	.21	3	2.38	.01	.08	<2	<5	<1	2
MC 12+00S 5+00E	1	73	4	60	<.3	24	7	230	2.61	<2	<5	<2	4	16	.5	3	<2	62	.50	.032	17	60	.77	130	.18	3	1.73	.01	.07	<2	<5	1	2
MC 12+00S 5+50E	1	106	7	86	.4	38	12	309	3.12	3	<5	<2	5	17	.7	<2	<2	73	.47	.077	24	81	1.06	258	.12	3	3.02	.01	.09	<2	<5	1	3
MC 12+00S 6+00E	2	56	3	94	.3	78	17	511	4.58	7	<5	<2	6	16	<.2	3	<2	85	.38	.067	13	125	1.40	136	.26	<3	3.01	.01	.07	<2	<5	1	<1
MC 12+00S 6+50E	1	48	<3	101	.3	125	20	459	6.09	<2	<5	<2	<2	14	<.2	<2	<2	149	1.05	.123	4	210	2.24	118	.32	3	4.46	.01	.08	<2	5	2	<1
MC 12+00S 7+00E	1	40	3	78	<.3	38	12	566	5.53	4	<5	<2	3	21	<.2	5	<2	113	.54	.077	8	101	1.28	175	.26	<3	3.03	.01	.06	2	<5	2	1
MC 12+00S 7+50E	1	34	5	93	.3	35	13	456	6.00	4	<5	<2	2	15	<.2	3	<2	155	.59	.078	9	93	1.00	245	.37	<3	2.82	.01	.09	<2	<5	2	<1
MC 12+00S 8+00E	1	47	5	94	<.3	45	17	492	6.51	5	<5	<2	5	17	.3	4	<2	124	.49	.068	11	116	1.22	158	.28	<3	3.05	.01	.09	<2	<5	1	1
MC 12+00S 8+50E	1	28	<3	97	<.3	28	10	471	5.37	3	<5	<2	5	13	.3	<2	<2	106	.27	.088	12	72	.92	110	.29	<3	2.23	.01	.09	2	<5	1	<1
MC 12+00S 9+00E	1	39	<3	111	<.3	47	14	410	6.14	3	<5	<2	4	13	<.2	4	<2	128	.52	.063	6	120	1.36	106	.43	<3	3.02	.01	.06	<2	6	2	3
MC 12+00S 9+50E	<1	91	<3	88	<.3	91	30	659	5.74	<2	<5	<2	4	35	<.2	<2	<2	130	1.29	.033	9	125	2.59	214	.40	4	4.23	.01	.06	2	<5	1	1
MC 12+00S 11+50E	<1	102	<3	78	<.3	60	24	691	4.18	2	<5	<2	3	24	<.2	<2	<2	81	1.22	.037	6	116	2.05	103	.33	3	2.90	.01	.05	2	<5	2	2
MC 12+00S 12+00E	1	65	<3	72	<.3	40	16	526	3.70	2	<5	<2	<2	16	<.2	<2	<2	81	.77	.028	3	93	1.50	61	.32	3	2.35	.01	.05	<2	<5	2	2
MC 12+00S 12+50E	<1	132	<3	93	.3	66	30	783	4.63	4	<5	<2	3	20	.4	<2	<2	87	1.29	.045	4	124	2.17	89	.41	<3	3.02	.01	.06	<2	<5	2	1
STANDARD C/AU-S	21	61	37	137	6.4	72	31	1036	4.12	40	16	8	38	55	19.5	16	19	58	.54	.095	42	62	.97	181	.09	26	2.05	.06	.17	10	<5	3	49

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
MC 12+00S 13+00E	<1	133	7	74	<.3	53	24	704	3.64	<2	<5	<2	3	18	.2	<2	<2	69	.98	.039	5	91	1.73	78	.30	3	2.45	.01	.05	<2	<5	1	4
MC 12+00S 13+50E	1	122	5	81	.3	50	21	529	3.92	4	<5	<2	3	16	.4	<2	<2	73	.74	.039	5	89	1.78	84	.29	<3	2.54	.01	.05	<2	<5	1	221
MC 12+00S 14+00E	<1	116	3	83	<.3	49	21	563	3.70	<2	<5	<2	<2	17	.3	<2	<2	67	.84	.038	6	89	1.81	114	.27	<3	2.45	.01	.06	<2	<5	2	3
MC 12+00S 14+50E	<1	123	3	81	.6	55	22	573	3.83	<2	<5	<2	3	17	.5	<2	<2	71	.93	.043	4	96	1.87	88	.30	3	2.59	.01	.06	<2	6	2	3
MC 12+00S 15+00E	<1	128	6	77	.3	53	23	666	4.07	<2	<5	<2	3	17	.5	<2	<2	74	.91	.036	5	96	1.92	89	.30	<3	2.70	.01	.05	<2	<5	1	5
MC 12+00S 15+50E	1	133	4	78	.5	53	22	610	4.10	4	<5	<2	2	19	.3	<2	<2	75	.97	.039	5	92	1.91	96	.32	<3	2.61	.01	.05	<2	<5	3	22
MC 12+00S 17+50E	<1	116	6	80	.4	54	21	468	3.66	<2	<5	<2	2	18	<.2	<2	<2	68	.90	.041	7	93	1.84	117	.28	<3	2.62	.01	.05	<2	<5	2	7
MC 12+00S 18+00E	1	37	10	74	.4	60	14	416	3.80	3	<5	<2	6	13	<.2	<2	<2	68	.40	.012	13	86	1.50	105	.19	<3	2.55	.01	.08	<2	<5	1	1
MC 12+00S 18+50E	1	33	5	60	.6	48	11	382	2.90	<2	<5	<2	8	17	<.2	<2	<2	53	.53	.029	17	74	1.30	105	.21	<3	1.83	.01	.05	<2	<5	1	1
MC 12+00S 19+00E	3	51	7	84	<.3	72	15	535	3.71	5	<5	<2	7	18	.2	<2	<2	63	.51	.029	18	89	1.54	167	.19	3	2.31	.01	.06	2	<5	1	3
MC 12+00S 19+50E	4	55	<3	81	.5	73	14	458	3.54	6	<5	<2	6	19	.3	<2	<2	62	.48	.027	19	85	1.41	159	.18	<3	2.17	.01	.07	<2	<5	1	3
MC 12+00S 20+00E	5	52	5	89	.5	79	12	420	3.37	7	<5	<2	10	24	<.2	<2	2	57	.52	.046	25	83	1.29	171	.17	3	1.88	.01	.07	<2	<5	1	4
MC 12+00S 20+50E	2	37	9	69	.3	49	13	452	3.87	5	<5	<2	6	15	.6	<2	<2	77	.49	.041	11	78	1.38	122	.25	3	2.49	.01	.06	2	<5	1	<1
MC 12+00S 21+00E	1	33	<3	75	.6	44	13	426	4.53	3	5	<2	6	14	<.2	<2	<2	94	.46	.038	9	96	1.29	116	.29	3	3.05	.01	.06	<2	5	2	1
RE MC 12+00S 21+00E	1	34	5	76	.4	46	14	436	4.67	4	<5	<2	4	14	.3	<2	<2	97	.46	.038	9	100	1.32	120	.30	<3	3.13	.01	.05	<2	<5	1	<1
MC 12+00S 21+50E	1	37	5	75	.6	65	17	502	4.23	4	<5	<2	5	16	<.2	<2	<2	79	.49	.025	11	98	1.59	185	.25	3	2.91	.01	.07	<2	<5	2	1
MC 12+00S 22+00E	3	34	7	102	1.1	77	17	435	4.41	7	<5	<2	5	15	.6	<2	<2	78	.46	.043	12	100	1.36	259	.18	<3	2.88	.01	.08	<2	<5	1	1
MC 12+00S 22+50E	2	26	10	79	.8	54	12	395	4.39	7	<5	<2	6	13	.8	<2	<2	81	.31	.029	14	88	1.17	275	.19	3	2.88	.01	.09	2	<5	1	<1
MC 12+00S 23+00E	2	17	9	81	.4	43	11	424	3.44	7	<5	<2	6	15	.8	<2	<2	71	.40	.028	16	74	1.10	298	.16	3	2.37	.01	.07	2	<5	1	14
MC 12+00S 23+50E	1	13	8	63	.4	30	7	270	3.21	4	<5	<2	8	15	.5	<2	<2	64	.31	.031	17	60	.82	308	.14	<3	2.05	.01	.07	<2	<5	1	1
MC 12+00S 24+00E	1	16	15	95	.5	37	8	432	4.38	9	<5	<2	4	12	.6	3	<2	75	.21	.139	17	66	.78	271	.08	3	2.03	.01	.10	<2	<5	<1	<1
MC 13+00S 2+00E	2	259	3	266	.6	58	23	800	6.13	3	<5	<2	<2	11	<.2	2	<2	90	.39	.053	4	112	2.33	62	.17	<3	3.07	.02	.07	<2	<5	1	2
MC 14+00S 0+00E	<1	33	5	57	.5	27	8	333	3.66	2	<5	<2	4	11	.3	2	<2	78	.31	.034	9	58	.78	53	.25	<3	2.09	.01	.07	<2	<5	2	<1
MC 14+00S 0+50E	1	59	4	58	.5	29	11	314	2.69	5	<5	<2	9	20	<.2	2	<2	50	.53	.053	21	45	.95	119	.17	3	1.69	.01	.06	<2	<5	1	<1
MC 14+00S 1+00E	1	32	8	65	.8	25	8	320	5.72	7	<5	<2	3	11	.4	2	<2	140	.36	.080	10	62	.71	83	.30	<3	2.00	.01	.07	<2	<5	2	<1
MC 14+00S 1+50E	1	29	6	87	.4	20	8	375	3.31	2	<5	<2	2	13	1.3	3	2	83	.40	.071	9	48	.52	90	.23	<3	1.32	.01	.12	<2	<5	2	1
MC 14+00S 2+00E	1	96	4	64	<.3	30	19	599	3.53	6	<5	<2	<2	12	.2	<2	<2	78	.40	.059	7	66	1.15	98	.23	<3	2.13	.01	.07	<2	<5	1	1
MC 14+00S 2+50E	1	72	<3	62	<.3	32	14	466	2.95	3	<5	<2	<2	13	<.2	<2	<2	58	.37	.055	5	76	1.26	71	.17	<3	1.95	.02	.07	<2	<5	<1	<1
MC 14+00S 3+00E	1	53	3	89	<.3	38	15	587	4.00	3	<5	<2	3	14	.6	<2	<2	72	.34	.068	8	84	1.16	76	.30	<3	2.00	.01	.10	<2	<5	1	<1
MC 14+00S 3+50E	1	79	4	103	<.3	32	13	341	3.24	2	<5	<2	2	16	.2	<2	<2	67	.48	.038	11	63	1.10	128	.22	<3	1.99	.02	.07	<2	<5	1	2
MC 14+00S 4+00E	<1	124	4	159	.4	50	17	455	3.69	3	<5	<2	5	17	<.2	2	<2	68	.49	.051	13	76	1.69	100	.23	3	2.43	.01	.06	<2	<5	1	<1
MC 14+00S 4+50E	<1	18	<3	18	.3	9	4	99	.96	<2	<5	<2	<2	7	<.2	<2	<2	19	.19	.016	1	20	.39	35	.07	<3	.64	.03	.04	<2	<5	1	<1
MC 14+00S 5+00E	2	64	12	65	1.0	32	12	347	3.73	<2	<5	<2	2	14	<.2	5	<2	78	.53	.030	3	73	1.16	155	.25	<3	2.27	.01	.07	<2	<5	1	169
MC 14+00S 5+50E	1	95	6	79	.7	39	16	488	3.67	<2	<5	<2	3	16	<.2	2	<2	74	.64	.031	6	78	1.39	170	.25	<3	2.39	.01	.08	<2	<5	5	6
MC 14+00S 6+00E	1	89	7	91	.4	52	18	539	4.79	2	<5	<2	3	15	<.2	10	<2	86	.48	.029	6	104	1.57	122	.31	<3	2.92	.01	.06	<2	5	2	2
STANDARD C/AU-S	21	60	37	136	6.4	71	31	1070	4.12	42	20	8	41	55	18.4	17	21	58	.48	.095	42	60	.96	184	.09	26	2.06	.06	.16	9	<5	3	48

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
MC 14+00S 6+50E	2	163	5	89	.4	45	19	636	4.14	3	<5	<2	3	19	<.2	<2	<2	75	.76	.055	8	93	1.61	233	.21	<3	2.91	.02	.08	<2	<5	1	3
MC 14+00S 7+00E	<1	96	<3	87	<.3	38	13	387	3.52	<2	<5	<2	2	19	.4	<2	<2	77	.78	.033	10	84	1.29	245	.23	<3	2.61	.01	.08	2	<5	1	2
MC 14+00S 7+50E	1	46	5	70	.5	29	11	383	4.89	4	<5	<2	3	13	<.2	<2	<2	105	.49	.094	5	73	1.05	101	.31	3	2.40	.01	.04	2	<5	2	1
MC 14+00S 8+00E	<1	70	<3	81	.4	32	12	454	4.20	<2	<5	<2	3	13	.3	<2	<2	93	.59	.079	6	83	1.19	85	.29	3	2.39	.01	.06	<2	<5	2	3
MC 14+00S 8+50E	1	57	7	70	<.3	25	9	267	3.22	3	<5	<2	2	12	.3	<2	3	94	.59	.049	4	68	.94	126	.33	3	2.18	.01	.06	2	<5	2	<1
MC 14+00S 9+00E	1	70	6	88	<.3	37	13	458	4.73	6	<5	<2	<2	12	<.2	2	<2	102	.51	.064	3	78	1.32	102	.34	<3	2.45	.01	.07	<2	<5	1	1
MC 14+00S 9+50E	<1	72	4	88	<.3	38	15	431	4.42	5	<5	<2	<2	15	<.2	2	<2	87	.62	.040	7	80	1.43	144	.30	3	2.52	.01	.04	<2	<5	2	3
MC 14+00S 10+50E	1	84	<3	76	.4	42	16	385	3.58	3	<5	<2	<2	19	.4	<2	<2	73	.95	.027	5	89	1.57	105	.32	3	2.42	.01	.05	<2	<5	1	11
MC 14+00S 11+00E	<1	106	<3	83	<.3	47	19	509	4.09	3	<5	<2	5	19	.2	<2	<2	79	.96	.029	6	98	1.64	120	.32	4	2.67	.01	.04	2	<5	2	1
MC 14+00S 11+50E	1	80	6	49	<.3	24	10	301	2.35	2	<5	<2	<2	17	.3	<2	<2	55	.70	.028	7	58	.80	124	.16	3	1.78	.03	.04	2	<5	1	1
MC 14+00S 12+00E	<1	99	3	109	<.3	54	23	612	4.70	<2	<5	<2	4	17	.9	<2	2	84	.89	.040	5	104	1.80	106	.32	3	2.85	.01	.06	<2	<5	2	4
MC 14+00S 12+50E	1	86	<3	101	<.3	56	23	545	4.52	<2	<5	<2	4	20	<.2	<2	<2	80	1.01	.036	6	102	1.96	97	.33	4	2.88	.01	.05	<2	<5	2	2
MC 14+00S 13+00E	<1	150	<3	94	.3	60	22	550	4.38	2	<5	<2	4	21	<.2	<2	2	80	1.08	.050	9	108	1.97	154	.28	3	3.07	.01	.05	<2	<5	2	3
MC 14+00S 13+50E	1	52	5	101	<.3	70	19	577	5.27	7	<5	<2	6	14	<.2	<2	<2	94	.45	.043	8	120	1.91	126	.35	3	3.40	.01	.06	<2	<5	2	1
MC 14+00S 14+00E	<1	48	3	88	<.3	76	18	547	5.73	3	<5	<2	5	15	.3	<2	<2	102	.46	.042	9	129	1.85	136	.32	3	3.07	.01	.07	2	<5	2	1
MC 14+00S 14+50E	1	69	5	64	<.3	28	9	265	2.63	2	<5	<2	<2	20	.4	<2	<2	56	.75	.044	13	59	.76	270	.20	3	1.92	.02	.07	2	<5	1	<1
MC 14+00S 15+00E	<1	33	<3	63	<.3	57	14	420	3.95	4	<5	<2	3	16	.2	2	<2	81	.50	.038	9	92	1.45	146	.20	3	2.78	.01	.08	<2	<5	2	1
MC 14+00S 15+50E	1	41	5	78	<.3	47	16	484	4.96	4	<5	<2	6	15	<.2	<2	<2	94	.48	.038	8	87	1.45	141	.35	3	2.93	.01	.07	2	<5	2	2
MC 14+00S 16+25E	1	52	3	71	<.3	39	11	337	3.27	3	<5	<2	5	19	.5	<2	<2	83	.80	.024	9	82	1.24	156	.31	3	2.24	.01	.07	2	<5	2	1
MC 14+00S 17+50E	<1	58	<3	57	<.3	58	16	432	4.09	3	<5	<2	3	19	<.2	2	<2	72	.78	.061	3	101	1.74	82	.37	4	2.58	.01	.04	2	6	3	1
MC 14+00S 18+00E	<1	96	3	81	<.3	60	20	538	3.79	4	<5	<2	5	22	.4	<2	2	70	1.00	.043	11	94	1.97	189	.36	5	2.61	.01	.07	<2	<5	2	1
MC 14+00S 18+50E	<1	150	3	107	<.3	69	29	879	4.75	<2	<5	<2	4	23	<.2	<2	<2	85	1.24	.056	8	121	2.33	157	.29	<3	3.35	.01	.06	<2	<5	2	2
RE MC 14+00S 18+50E	<1	146	<3	105	<.3	68	28	861	4.64	4	<5	<2	3	23	<.2	<2	<2	83	1.22	.054	8	119	2.27	154	.30	<3	3.28	.01	.06	<2	<5	2	2
MC 14+00S 19+00E	<1	143	<3	109	<.3	67	24	525	4.26	<2	<5	<2	3	19	<.2	<2	3	78	.92	.047	9	123	2.24	189	.25	3	3.42	.01	.06	<2	<5	2	2
MC 14+00S 19+50E	<1	55	10	78	<.3	60	18	653	4.61	4	<5	<2	5	16	.3	<2	<2	83	.60	.019	8	88	1.93	153	.35	3	2.98	.01	.08	<2	<5	2	1
MC 14+00S 20+00E	1	35	7	55	<.3	32	9	345	2.97	5	<5	<2	7	18	.6	<2	4	69	.58	.021	13	64	1.02	150	.25	4	2.05	.01	.07	<2	<5	1	3
MC 14+00S 20+50E	<1	50	3	74	<.3	52	17	717	3.96	4	<5	<2	6	18	<.2	<2	<2	71	.73	.026	10	77	1.76	139	.32	3	2.48	.01	.06	<2	<5	2	2
MC 14+00S 21+00E	1	30	9	75	<.3	38	14	520	3.58	2	<5	<2	5	17	.5	2	<2	76	.65	.026	10	78	1.34	155	.28	3	2.29	.01	.07	2	<5	1	<1
MC 14+00S 21+50E	1	34	7	71	<.3	43	13	487	4.35	3	<5	<2	5	16	.5	3	<2	86	.46	.027	9	80	1.32	152	.27	4	2.68	.01	.07	<2	<5	1	<1
MC 14+00S 22+00E	1	11	7	89	.7	20	7	312	2.66	3	<5	<2	5	15	.6	<2	<2	72	.41	.023	16	49	.55	282	.20	3	2.07	.01	.07	<2	<5	1	4
MC 14+00S 22+50E	<1	15	<3	78	.4	33	10	385	3.29	5	<5	<2	4	16	.6	<2	<2	79	.59	.030	13	66	1.02	239	.24	3	2.34	.01	.09	<2	<5	1	2
MC 14+00S 23+00E	2	26	6	87	<.3	51	13	490	4.06	8	<5	<2	5	14	.4	2	<2	76	.52	.041	14	86	1.42	225	.20	4	2.71	.01	.07	2	<5	2	<1
MC 14+00S 23+50E	1	18	9	73	<.3	36	10	395	3.63	7	<5	<2	4	18	.6	2	<2	72	.57	.052	13	68	1.16	300	.19	3	2.12	.01	.07	<2	<5	1	<1
MC 14+00S 24+00E	1	27	16	124	<.3	48	16	1306	4.45	7	<5	<2	5	16	1.2	<2	2	71	.51	.174	15	86	1.27	187	.18	3	2.03	.01	.09	<2	<5	1	<1
STANDARD C/AU-S	21	61	36	135	6.3	73	30	1033	4.11	45	19	8	40	55	19.4	16	21	58	.54	.096	42	58	.96	184	.10	28	2.02	.06	.16	11	<5	2	46

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
MC 16+00S 2+00E	<1	24	8	102	.3	23	10	484	3.45	3	<5	<2	2	17	1.0	<2	<2	79	.42	.052	9	74	.84	146	.37	<3	1.85	.01	.08	<2	<5	<1	4
MC 16+00S 2+50E	1	26	6	94	.5	20	10	455	2.93	4	<5	<2	2	15	.9	<2	<2	67	.41	.086	5	64	.76	96	.33	<3	1.62	.01	.09	<2	<5	<1	4
MC 16+00S 3+00E	1	36	3	55	.4	27	8	279	2.27	8	<5	<2	5	18	.5	<2	<2	44	.41	.047	16	55	.85	118	.14	4	1.58	.01	.06	2	<5	<1	4
MC 16+00S 3+50E	<1	39	5	140	.6	42	27	1184	4.59	<2	<5	<2	<2	14	1.1	<2	<2	99	.85	.082	2	83	1.97	115	.49	3	2.58	.01	.08	<2	8	1	1
RE MC 16+00S 3+50E	1	38	4	137	.3	38	26	1139	4.45	2	<5	<2	<2	14	.9	<2	<2	97	.83	.083	2	82	1.87	117	.49	<3	2.50	.01	.07	<2	5	1	1
MC 16+00S 4+00E	1	39	6	144	.6	36	23	704	4.75	7	<5	<2	<2	13	1.5	4	<2	88	.41	.093	8	70	1.54	144	.32	3	2.62	.01	.07	<2	<5	<1	<1
MC 16+00S 5+00E	1	29	3	15	.4	9	5	321	.71	2	<5	<2	3	24	.3	2	<2	18	2.28	.075	4	25	.28	164	.03	3	.79	.03	.03	2	<5	<1	1
MC 16+00S 5+50E	1	87	<3	38	.4	33	11	226	1.55	4	<5	<2	4	27	.3	<2	<2	32	2.82	.093	13	94	.83	208	.07	4	1.53	.01	.04	2	<5	<1	3
MC 16+00S 6+00E	<1	48	<3	46	.3	26	8	223	1.97	4	<5	<2	2	28	1.1	2	<2	44	1.32	.061	11	69	.89	192	.17	<3	1.62	.01	.05	2	<5	<1	2
MC 16+00S 6+50E	1	20	3	60	<.3	22	8	302	2.01	3	<5	<2	2	16	.9	<2	<2	53	.53	.040	7	77	.60	207	.27	<3	1.60	.01	.09	<2	<5	<1	2
MC 16+00S 7+00E	<1	20	3	55	<.3	108	18	419	3.77	<2	<5	<2	<2	14	<.2	<2	<2	68	.82	.064	4	116	1.22	138	.22	<3	2.73	.01	.09	<2	<5	<1	1
MC 16+00S 7+50E	<1	26	5	49	.4	50	13	299	3.80	3	<5	<2	4	16	1.0	<2	<2	75	.43	.043	8	103	1.26	109	.29	<3	2.08	.01	.09	<2	<5	<1	1
MC 16+00S 8+00E	<1	37	5	44	.4	61	16	321	3.17	4	<5	<2	<2	16	.7	<2	<2	69	.68	.018	6	113	1.55	78	.20	<3	2.44	.01	.08	2	<5	<1	<1
MC 16+00S 8+50E	1	27	8	75	.5	29	10	326	2.91	5	<5	<2	5	14	.6	2	<2	65	.36	.050	12	61	.99	99	.26	<3	1.67	.01	.08	2	<5	<1	5
MC 16+00S 9+00E	1	78	7	30	.6	26	9	605	1.82	4	<5	<2	3	37	.8	3	<2	39	1.59	.082	13	53	.48	284	.06	<3	1.59	.03	.05	3	<5	<1	1
MC 16+00S 9+50E	1	43	10	72	.3	75	17	591	4.84	5	<5	<2	5	15	1.2	<2	<2	93	.47	.037	9	129	1.91	113	.26	<3	2.89	.01	.08	<2	<5	1	1
MC 16+00S 10+50E	<1	66	3	82	.4	32	19	1489	3.07	2	<5	<2	<2	18	1.0	2	2	64	.72	.089	9	81	.91	196	.12	<3	1.94	.03	.07	<2	<5	<1	1
MC 16+00S 11+00E	1	57	8	102	<.3	53	21	567	4.43	6	<5	<2	5	16	.5	<2	<2	76	.61	.041	8	98	1.75	148	.31	3	2.83	.01	.07	<2	<5	1	1
MC 16+00S 11+50E	1	42	8	80	<.3	62	17	482	5.55	6	<5	<2	2	13	1.2	<2	<2	102	.40	.055	6	127	1.54	103	.33	<3	3.10	.01	.05	<2	<5	1	1
MC 16+00S 12+00E	<1	40	4	106	.6	60	19	467	4.08	3	<5	<2	5	18	1.1	<2	<2	76	.83	.050	10	104	1.75	106	.33	<3	2.46	.01	.08	<2	<5	1	3
MC 16+00S 12+50E	1	27	8	74	.8	31	10	326	3.20	2	<5	<2	10	16	.8	<2	<2	66	.42	.042	17	63	.98	110	.20	3	1.88	.01	.09	<2	<5	<1	6
MC 16+00S 13+50E	1	69	5	71	<.3	33	10	241	2.45	4	<5	<2	3	21	.6	<2	<2	51	.61	.025	8	65	.86	117	.16	3	1.78	.03	.07	<2	<5	<1	1
MC 16+00S 14+00E	1	136	7	101	.8	62	27	650	4.20	4	<5	<2	5	30	.2	<2	<2	79	1.24	.057	11	122	1.92	204	.24	<3	3.14	.01	.06	<2	<5	1	3
MC 16+00S 14+50E	1	109	11	90	.9	56	19	442	4.03	2	<5	<2	6	21	1.0	<2	<2	75	.98	.043	10	113	1.83	167	.28	<3	2.99	.01	.06	<2	<5	<1	4
MC 16+00S 15+00E	<1	54	9	80	.4	72	21	504	4.13	5	<5	<2	7	17	.9	<2	<2	78	.79	.033	10	114	1.82	123	.29	4	2.97	.01	.07	<2	<5	1	1
MC 16+00S 16+50E	<1	29	7	62	.6	20	7	322	1.68	<2	<5	<2	3	23	.7	<2	<2	38	1.10	.022	8	57	.77	126	.20	3	1.31	.02	.08	<2	<5	1	<1
MC 16+00S 17+00E	1	24	15	127	.6	24	42	1445	3.92	4	<5	<2	<2	12	1.0	<2	<2	82	.38	.066	10	66	.68	140	.22	<3	2.18	.01	.08	<2	<5	1	4
MC 16+00S 17+50E	<1	50	6	73	<.3	63	24	599	4.61	5	<5	<2	6	15	.4	<2	<2	87	.55	.023	6	111	1.89	142	.38	<3	3.48	.01	.06	<2	<5	1	1
MC 16+00S 18+00E	1	33	5	80	.5	55	13	459	5.30	5	<5	<2	5	14	1.4	<2	<2	89	.43	.098	10	116	1.33	73	.30	<3	2.38	.01	.08	<2	<5	1	1
MC 18+00S 0+00E	1	20	6	54	.3	16	9	334	2.46	2	<5	<2	4	13	.6	2	<2	53	.33	.048	7	60	.57	96	.28	<3	1.26	.01	.07	<2	<5	1	1
MC 18+00S 0+50E	<1	37	4	63	.4	31	13	359	3.09	2	<5	<2	4	21	1.0	2	<2	56	.58	.076	4	84	1.17	108	.37	3	1.82	.01	.07	<2	<5	2	<1
MC 18+00S 1+00E	1	18	10	62	.5	18	6	247	2.17	3	<5	<2	5	12	.5	<2	<2	49	.33	.058	10	55	.60	57	.27	<3	1.34	.01	.05	<2	5	1	<1
MC 18+00S 1+50E	1	29	6	50	.3	15	7	404	2.53	<2	<5	<2	5	11	.5	<2	<2	55	.24	.045	6	54	.62	68	.28	3	1.50	.02	.05	2	<5	1	<1
MC 18+00S 2+00E	<1	57	<3	65	<.3	48	18	368	3.95	<2	<5	<2	3	26	.5	<2	<2	65	.56	.026	3	113	1.65	82	.50	<3	2.84	.01	.04	<2	6	2	2
MC 18+00S 2+50E	1	127	6	76	.4	44	17	686	5.03	4	<5	<2	6	20	.6	<2	<2	87	.65	.076	8	125	1.58	125	.47	<3	2.76	.01	.06	<2	<5	2	1
STANDARD C/AU-S	21	60	35	132	6.5	67	33	1003	4.06	44	14	7	40	54	19.0	15	21	57	.54	.094	41	63	.95	177	.09	25	1.96	.06	.17	10	<5	1	51

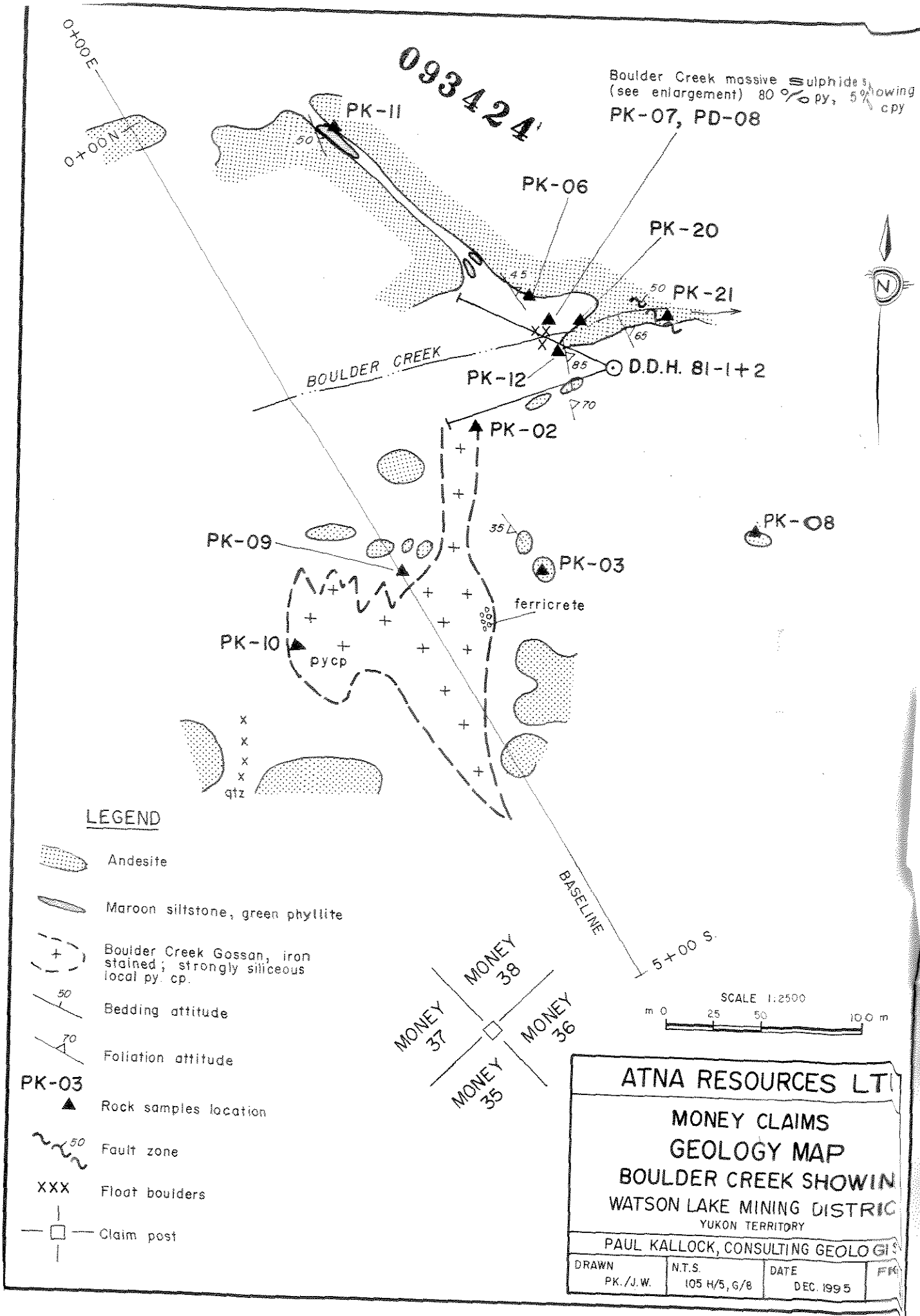
Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
MC 18+00S 3+00E	1	36	5	109	<.3	33	13	608	4.11	3	<5	<2	5	14	<.2	<2	<2	81	.33	.064	8	87	1.24	116	.40	3	2.49	.01	.08	<2	<5	2	2
MC 18+00S 3+50E	1	60	<3	80	<.3	42	15	425	3.31	5	<5	<2	6	18	.4	2	<2	59	.51	.071	10	73	1.34	104	.23	3	2.24	.01	.07	<2	<5	2	7
MC 18+00S 4+00E	1	28	<3	67	.5	25	8	348	3.00	3	<5	<2	9	14	.3	<2	<2	58	.38	.093	13	60	.87	108	.26	<3	1.83	.01	.05	<2	<5	1	1
MC 18+00S 4+50E	1	37	6	70	.3	34	11	373	3.21	2	<5	<2	4	16	.5	3	<2	55	.45	.043	10	73	1.24	97	.28	3	2.03	.01	.06	<2	<5	2	1
MC 18+00S 5+00E	2	51	11	109	.7	35	23	501	3.85	8	<5	<2	15	16	.2	<2	<2	70	.29	.067	37	59	1.07	187	.13	3	2.56	.01	.09	<2	<5	1	1
MC 18+00S 5+50E	1	28	14	60	.4	24	8	335	2.24	<2	<5	<2	8	11	.3	2	<2	43	.25	.028	23	40	.78	102	.13	<3	1.59	.01	.09	<2	<5	<1	5
MC 18+00S 6+00E	1	51	8	75	<.3	59	16	462	4.26	8	<5	<2	8	12	.8	<2	<2	67	.40	.023	14	86	1.73	183	.15	3	3.06	.01	.08	<2	<5	1	2
MC 18+00S 6+50E	1	38	6	68	.6	48	14	362	2.85	5	<5	<2	9	15	.4	<2	<2	53	.45	.029	13	90	1.38	114	.20	<3	2.12	.01	.07	<2	<5	1	1
MC 18+00S 7+00E	<1	31	7	62	<.3	29	15	1359	2.91	<2	<5	<2	4	17	<.2	<2	<2	58	.54	.032	13	61	.99	170	.15	<3	2.25	.02	.09	<2	<5	1	1
MC 18+00S 7+50E	1	52	<3	54	<.3	36	11	515	3.41	<2	<5	<2	5	22	<.2	<2	<2	85	1.07	.039	15	88	1.16	217	.29	<3	2.66	.01	.05	<2	<5	1	1
MC 18+00S 8+00E	<1	57	3	78	<.3	49	17	484	3.86	5	<5	<2	3	19	<.2	<2	<2	74	.58	.023	5	93	1.74	123	.35	<3	2.60	.01	.06	<2	<5	2	1
RE MC 18+00S 10+50E	<1	35	3	61	<.3	33	12	406	3.00	3	<5	<2	5	15	.3	<2	<2	65	.56	.037	5	61	1.21	78	.32	<3	1.94	.01	.06	<2	<5	2	1
MC 18+00S 8+50E	<1	87	<3	70	.3	38	17	557	3.22	3	<5	<2	6	25	<.2	<2	2	66	1.85	.043	6	75	1.53	216	.29	3	2.35	.01	.06	<2	<5	2	1
MC 18+00S 9+00E	<1	102	<3	106	.3	80	20	634	4.41	6	<5	<2	7	19	<.2	<2	<2	76	.97	.042	12	126	2.52	203	.30	<3	3.23	.01	.05	<2	<5	2	2
MC 18+00S 9+50E	1	37	6	58	.5	40	16	392	3.95	3	<5	<2	6	18	.4	2	<2	81	.47	.020	4	87	1.56	101	.46	<3	2.46	.01	.08	<2	<5	2	1
MC 18+00S 10+50E	1	34	9	60	<.3	31	11	402	2.98	4	<5	<2	4	15	.2	<2	<2	66	.57	.038	6	62	1.19	79	.34	<3	1.93	.01	.06	<2	<5	1	1
MC 18+00S 11+00E	<1	50	4	100	.4	40	14	412	3.51	3	<5	<2	8	18	.4	<2	<2	72	.52	.016	12	72	1.35	168	.26	3	2.43	.01	.09	<2	<5	1	1
MC 18+00S 11+50E	<1	31	8	92	.5	42	15	445	3.68	<2	<5	<2	6	15	.3	2	<2	74	.56	.045	9	72	1.52	96	.35	3	2.28	.01	.08	<2	<5	1	1
MC 18+00S 12+00E	<1	22	3	77	.3	27	9	312	2.75	<2	<5	<2	6	15	.2	<2	<2	62	.48	.039	10	51	.95	83	.31	3	1.72	.01	.09	<2	<5	1	1
MC 18+00S 12+50E	<1	56	<3	107	.5	63	19	565	5.49	5	<5	<2	5	15	.4	<2	<2	94	.47	.029	6	105	1.97	100	.40	3	3.21	.01	.08	<2	<5	2	1
MC 18+00S 13+00E	<1	22	5	57	.5	21	7	235	1.90	<2	<5	<2	6	15	.3	2	<2	41	.41	.018	11	44	.74	77	.20	<3	1.34	.02	.08	<2	<5	<1	2
MC 18+00S 13+50E	1	26	4	83	.4	26	10	353	2.53	<2	<5	<2	6	14	.6	3	<2	53	.43	.038	11	56	.93	88	.23	<3	1.62	.02	.07	<2	<5	1	1
MC 18+00S 14+00E	1	34	4	71	.5	63	12	372	5.55	23	<5	<2	7	12	.2	<2	<2	95	.39	.110	8	111	1.10	106	.25	<3	2.56	.01	.07	<2	<5	1	1
MC 18+00S 14+50E	1	32	7	67	<.3	46	15	479	4.14	4	<5	<2	5	16	<.2	2	<2	83	.47	.023	7	78	1.54	181	.35	3	2.75	.01	.07	<2	<5	2	1
MC 18+00S 15+00E	<1	22	5	51	.6	25	7	382	2.41	3	<5	<2	5	11	.2	3	<2	55	.36	.059	8	53	.79	109	.21	<3	1.67	.01	.07	<2	<5	1	1
MC 18+00S 15+50E	<1	34	4	59	.3	35	11	462	3.89	4	<5	<2	5	15	<.2	<2	<2	84	.41	.039	7	73	1.18	153	.34	<3	2.40	.01	.05	<2	<5	2	7
MC 18+00S 16+00E	1	26	10	62	.4	26	12	460	2.48	<2	<5	<2	5	13	.4	<2	<2	55	.41	.023	9	59	.89	142	.23	<3	1.66	.02	.06	<2	<5	1	4
MC 18+00S 16+50E	<1	42	7	80	<.3	53	16	524	5.19	3	<5	<2	5	19	.2	<2	<2	104	.63	.063	6	90	1.69	190	.33	3	2.78	.01	.08	<2	<5	2	2
MC 18+00S 17+00E	<1	129	9	106	.9	72	19	566	3.12	2	<5	<2	7	46	.7	<2	<2	55	1.40	.096	19	93	1.46	450	.12	3	2.81	.01	.07	<2	<5	1	3
MC 18+00S 17+50E	<1	77	5	86	.6	63	21	797	3.98	3	<5	<2	9	29	<.2	<2	2	73	1.15	.054	11	99	2.08	267	.28	<3	3.05	.01	.07	<2	<5	1	2
MC 18+00S 18+00E	<1	112	4	128	.5	57	18	928	2.83	4	<5	<2	8	46	.7	<2	<2	47	1.89	.096	14	83	1.36	363	.10	3	2.57	.02	.08	<2	<5	1	2
MC 20+00S 0+00E	1	22	3	73	.4	22	8	292	3.11	2	<5	<2	4	13	1.0	2	<2	66	.27	.077	8	57	.78	114	.26	<3	1.62	.01	.06	<2	6	1	1
MC 20+00S 0+50E	1	27	10	126	.7	30	18	957	4.27	3	<5	<2	4	15	.5	2	<2	95	.50	.070	6	70	.94	230	.42	4	1.96	.01	.16	<2	<5	2	1
MC 20+00S 1+00E	<1	30	8	96	.3	36	15	501	3.75	4	<5	<2	4	16	.6	<2	<2	69	.54	.064	6	91	1.43	203	.33	<3	2.29	.01	.09	<2	<5	2	<1
MC 20+00S 1+50E	1	25	9	112	.4	21	26	2183	3.41	3	<5	<2	3	10	.3	3	<2	68	.31	.113	4	58	.79	126	.25	<3	1.68	.02	.09	<2	<5	<1	1
STANDARD C/AU-S	21	61	37	135	6.9	72	31	1047	4.12	43	18	8	43	55	19.3	19	20	58	.49	.097	42	58	.96	181	.09	28	2.03	.06	.18	11	<5	1	48

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppm	Au* ppb
MC 20+00S 2+00E	1	67	12	105	<.3	35	22	610	3.26	4	<5	<2	5	17	<.2	<2	<2	56	.43	.072	9	71	1.24	176	.19	3	2.25	.01	.09	<2	<5	1	2
MC 20+00S 2+50E	1	30	6	113	.3	26	12	405	2.66	<2	<5	<2	4	17	1.3	<2	<2	46	.53	.032	10	62	1.04	159	.26	3	1.66	.01	.09	<2	<5	1	1
MC 20+00S 3+00E	1	35	9	123	.6	41	22	704	5.16	7	<5	<2	8	19	.7	<2	3	104	.56	.078	11	57	2.28	249	.39	3	3.10	.01	.11	<2	5	2	<1
MC 20+00S 3+50E	<1	27	7	77	.5	31	12	422	3.77	<2	<5	<2	7	18	<.2	<2	<2	73	.52	.053	12	55	1.64	172	.26	4	2.30	.01	.12	<2	<5	2	1
RE MC 20+00S 7+50E	1	17	9	72	.4	17	8	1031	1.66	2	5	<2	9	14	.6	2	<2	34	.47	.029	13	38	.56	115	.15	3	1.25	.02	.08	<2	<5	1	<1
MC 20+00S 4+00E	<1	52	4	60	.4	38	16	495	3.17	<2	<5	<2	2	16	.6	3	<2	96	.48	.036	1	103	1.86	75	.41	3	2.87	.02	.06	2	7	3	2
MC 20+00S 5+00E	1	40	10	66	.5	32	11	348	3.93	4	5	<2	7	17	.4	<2	<2	70	.44	.034	10	70	1.17	140	.31	<3	2.43	.01	.07	<2	<5	1	2
MC 20+00S 5+50E	1	29	15	130	.4	31	12	437	4.10	3	<5	<2	9	16	1.2	4	<2	76	.42	.072	14	74	1.13	154	.31	3	2.26	.01	.09	<2	<5	1	1
MC 20+00S 6+00E	1	41	7	74	.3	43	16	400	4.10	<2	<5	<2	5	19	<.2	2	2	68	.54	.039	5	100	1.58	113	.47	3	2.74	.01	.04	<2	9	2	1
MC 20+00S 7+00E	1	48	11	105	.3	49	18	495	4.45	4	<5	<2	4	13	.3	<2	<2	80	.49	.032	7	93	1.71	101	.38	3	2.88	.01	.07	<2	<5	1	1
MC 20+00S 7+50E	<1	16	8	68	<.3	17	7	981	1.56	<2	<5	<2	5	13	.7	<2	<2	31	.44	.027	12	34	.52	108	.14	<3	1.15	.02	.06	<2	<5	<1	<1
MC 20+00S 8+00E	1	32	7	79	.4	36	13	383	3.80	2	<5	<2	5	14	.2	2	<2	71	.56	.089	6	75	1.35	80	.33	3	2.08	.01	.08	<2	<5	1	1
MC 20+00S 8+50E	1	28	14	71	.4	26	13	508	3.71	4	<5	<2	8	14	.3	<2	<2	83	.33	.072	10	60	.97	93	.45	3	1.82	.01	.09	<2	7	2	1
MC 20+00S 9+00E	1	55	6	94	.5	73	28	702	3.72	<2	<5	<2	8	18	.5	<2	<2	77	.64	.033	12	108	1.66	219	.26	3	2.79	.01	.10	<2	<5	2	1
MC 20+00S 9+50E	1	15	7	44	<.3	21	7	229	2.19	<2	<5	<2	4	12	.2	2	<2	53	.40	.030	11	42	.59	103	.22	3	1.37	.01	.08	<2	<5	1	1
STANDARD C/AU-S	21	61	37	134	6.4	71	31	1031	4.07	42	18	7	42	54	19.2	15	19	57	.53	.095	42	58	.95	178	.09	28	1.97	.06	.15	10	<5	2	46

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

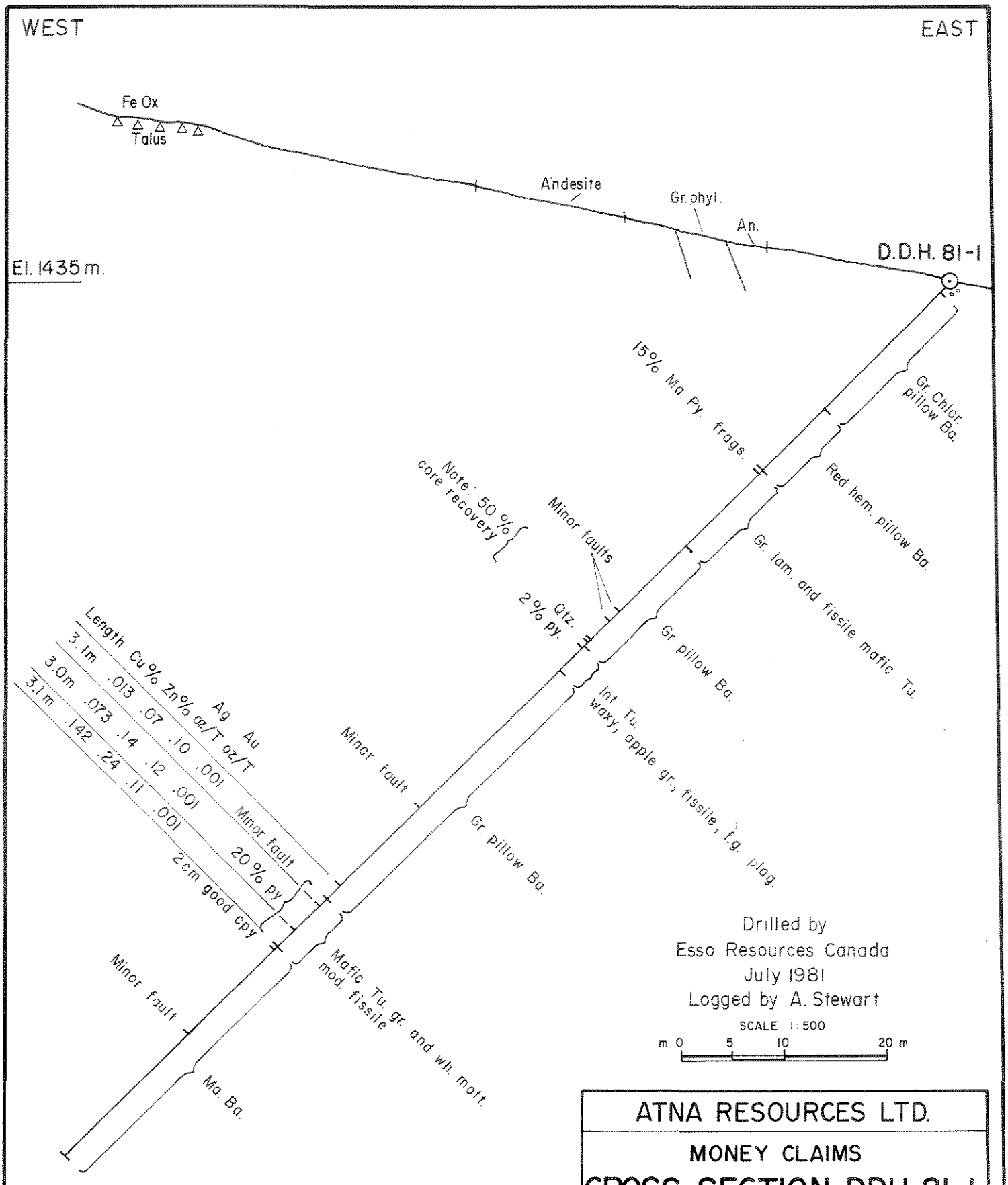


ATNA RESOURCES LTD.

MONEY CLAIMS
GEOLOGY MAP
BOULDER CREEK SHOWING
WATSON LAKE MINING DISTRICT
YUKON TERRITORY

PAUL KALLOCK, CONSULTING GEOLOGIST

DRAWN	N.T.S.	DATE	FIG.
PK./J.W.	105 H/5, G/8	DEC. 1995	



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MONEY CLAIMS

CROSS-SECTION DDH 81-1

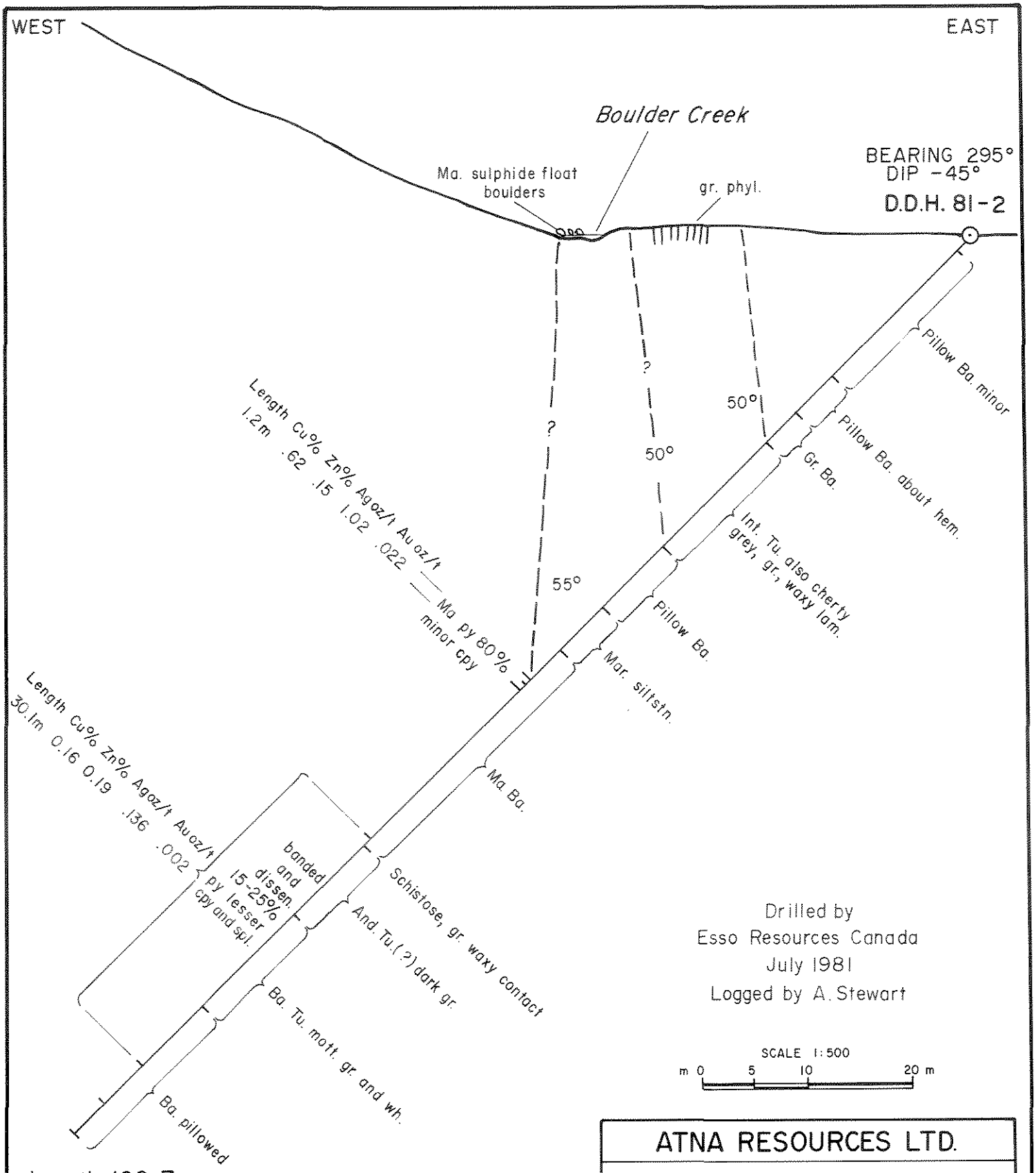
FACING NORTH

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

PAUL KALLOCK, CONSULTING GEOLOGIST

DRAWN	N.T.S.	DATE	FIGURE.
PK./J.W.	105 H/5, G/8	DEC. 1995	5



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MONEY CLAIMS

CROSS-SECTION DDH 81-2

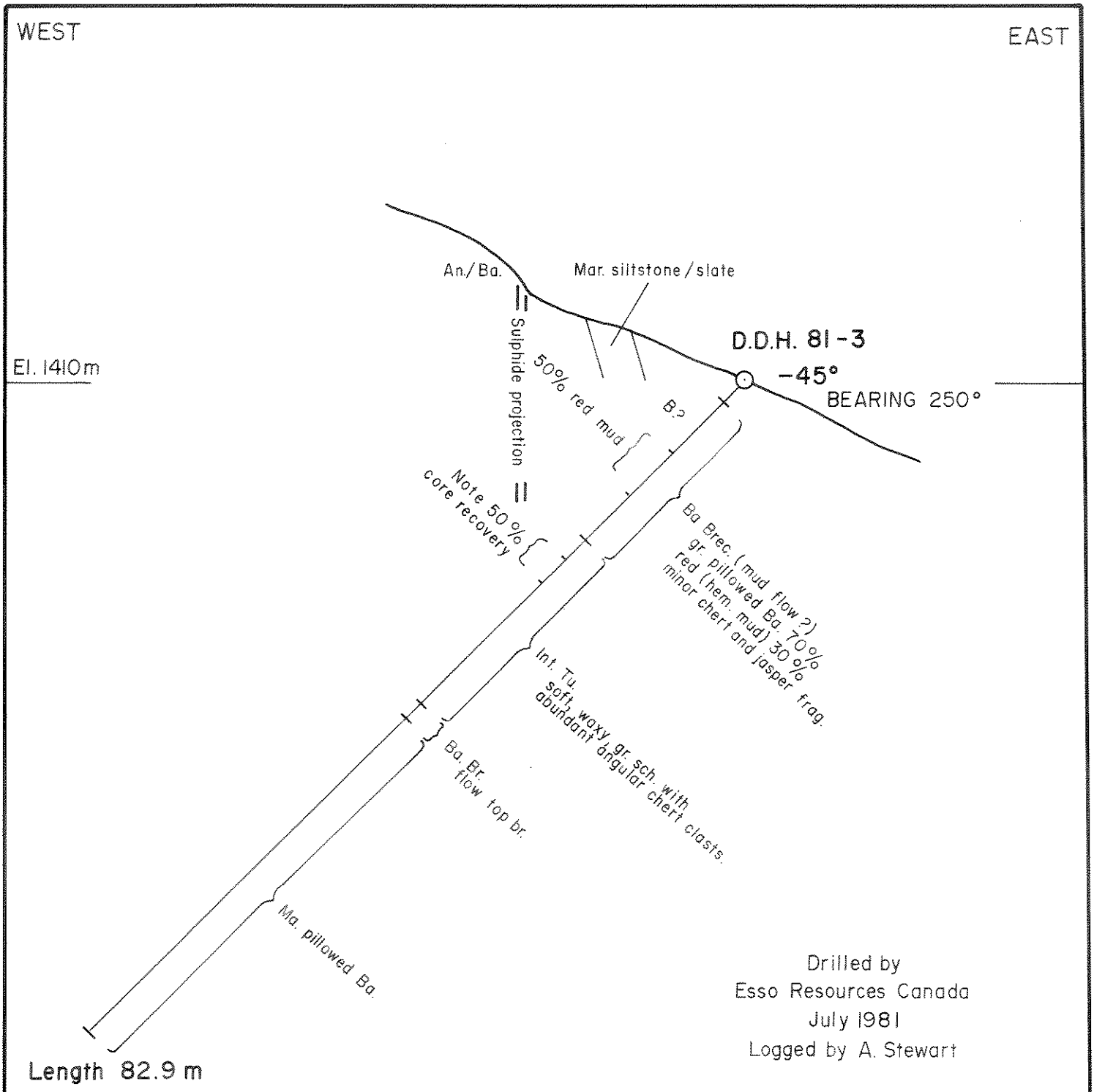
FACING NORTH

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

PAUL KALLOCK, CONSULTING GEOLOGIST

DRAWN	N.T.S.	DATE	FIGURE.
PK./J.W.	105 H/5, G/8	DEC. 1995	6



Drilled by
Esso Resources Canada
July 1981
Logged by A. Stewart

SCALE 1:500

m 0 5 10 20 m

ATNA RESOURCES LTD.

MONEY CLAIMS

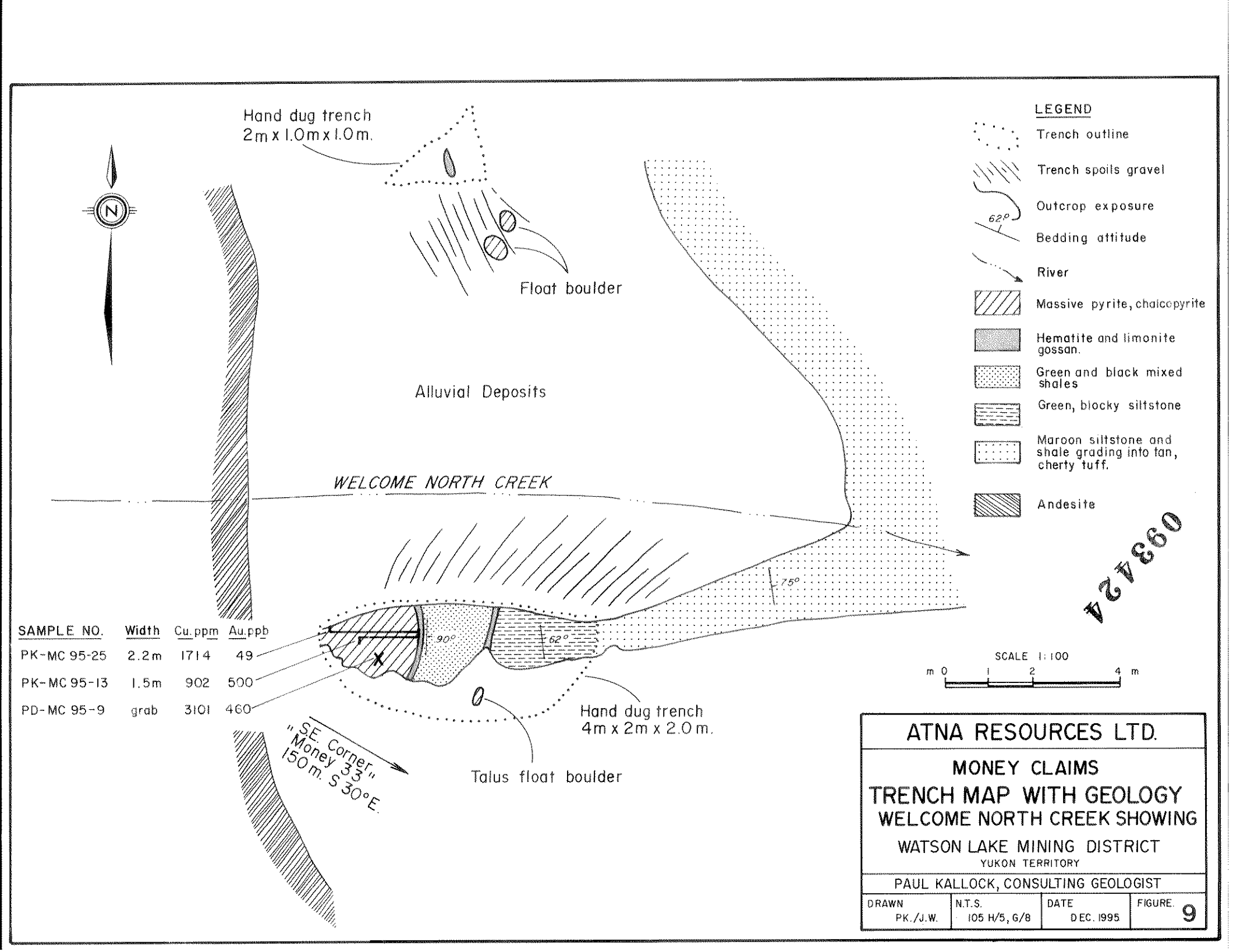
CROSS-SECTION DDH 81-3

FACING NORTH

WATSON LAKE MINING DISTRICT
YUKON TERRITORY

PAUL KALLOCK, CONSULTING GEOLOGIST

DRAWN	N.T.S.	DATE	FIGURE.
PK./J.W.	105 H/5, G/8	DEC. 1995	7



ATNA RESOURCES LTD.

MONEY CLAIMS

TRENCH MAP WITH GEOLOGY

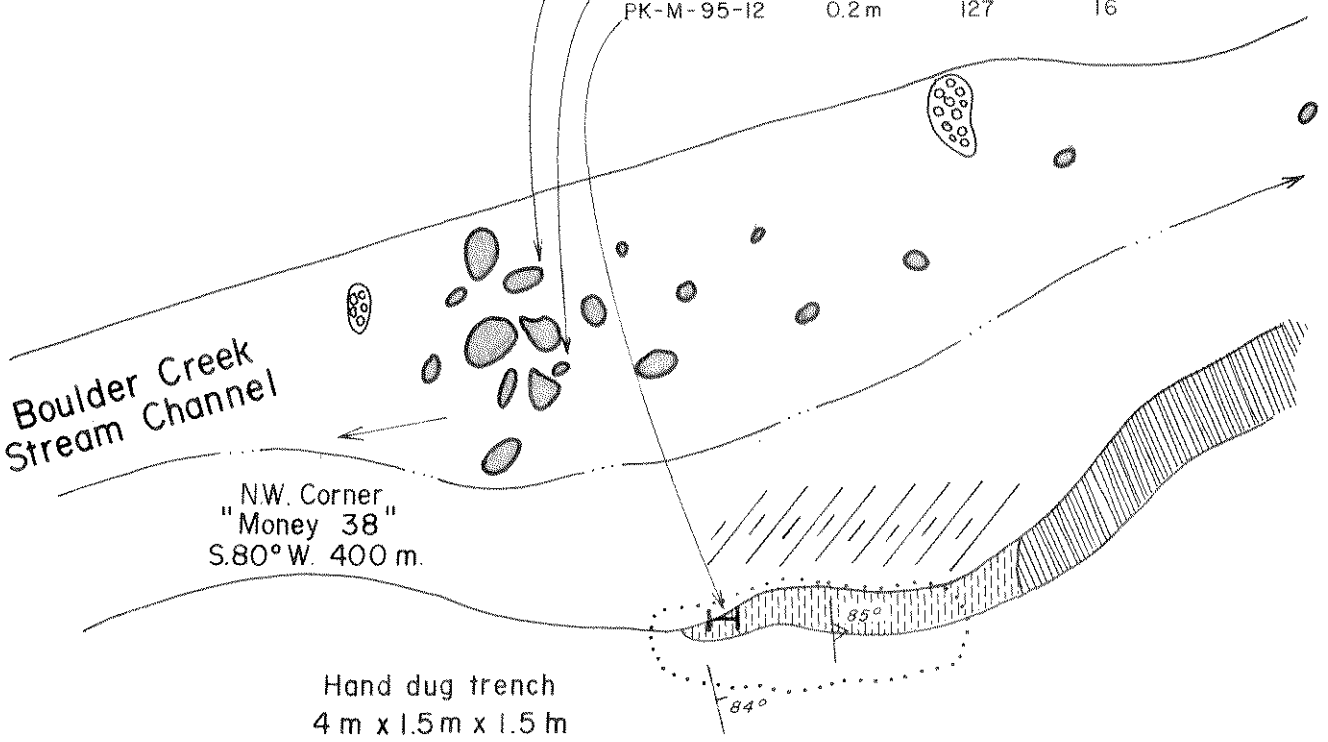
WELCOME NORTH CREEK SHOWING

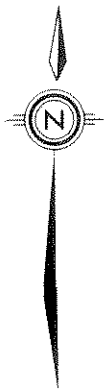
WATSON LAKE MINING DISTRICT
YUKON TERRITORY

PAUL KALLOCK, CONSULTING GEOLOGIST

DRAWN	N.T.S.	DATE	FIGURE.
PK./J.W.	105 H/5, G/8	DEC. 1995	9

Sample No.	Width	Cu. ppm	Au. ppb
PD-M-95-08	grab	7690	430
PK-M-95-07	grab	11,651	220
PK-M-95-12	0.2 m	127	16





SCALE 1:500

m 0 5 10 20 m

Legend

- Ferricrete developed in stream bed.
- Andesite
- Phyllite, soft, pale green and weakly pyritic; tuffaceous (?)
- Massive sulphide float boulders 80% Py. Note: other float boulder lithologies not shown.
- 85° Attitude of metamorphic foliation.
- Trench outline
- Trench spoils - gravel
- Outcrop

ATNA RESOURCES LTD.

MONEY CLAIMS

TRENCH MAP WITH GEOLOGY

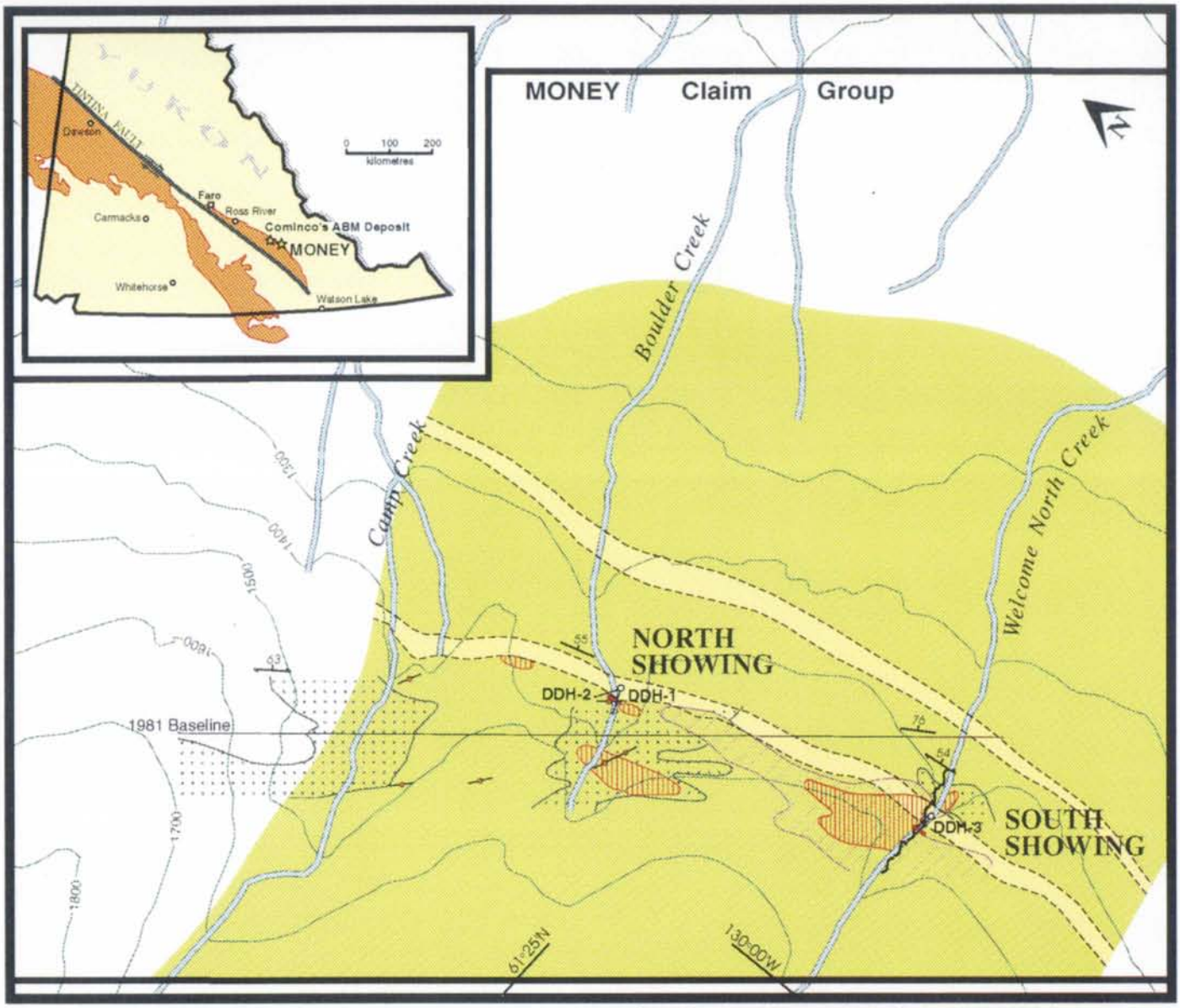
BOULDER CREEK SHOWING

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

PAUL KALLOCK, CONSULTING GEOLOGIST

DRAWN	N.T.S.	DATE	FIGURE.
PK./J.W.	105 H/5, G/8	DEC. 1995	10



Diamond Drill Holes

Hole #	Depth (metres)	Width (metres)	Cu (%)	Zn (%)	Au (g/t)	Ag (g/t)	Zone
1	84.4 - 93.6	9.2	0.08	0.15	0.03	3.8	Footwall Alt.
2	59.8 - 61.0	1.2	0.62	0.15	0.75	35.0	Sulphide Rock
2	81.4 - 114.9	33.5	0.14	0.18	0.07	4.5	Footwall Alt.

Grab Samples

Sample #	Cu (%)	Zn (ppm)	Au (g/t)	Ag (g/t)	Zone
22764 (1994)	0.13	29	0.10	0.3	Footwall Alt.
22765 (1994)	0.72	355	0.50	40.3	Sulphide Rock
22766 (1994)	0.11	163	0.50	25.6	Sulphide Rock

- Basalt
- Andesite
- Copper Soil Anomaly - >100 ppm (1981)
- EM Anomaly
- Magnetic Anomaly
- Gossan
- Stratiform Sulphide Rock
- Approximate Geologic Contact
- Fault
- Bedding Attitude
- Foliation
- Diamond Drill Hole

after Archer, Cathro (1991)

ATNA RESOURCES LTD.

MONEY PROPERTY

Watson Lake M.D., Yukon

COMPILATION MAP

NTS : 105-H/5 Figure 11

130° 00' W

61° 25' N.

BASELINE 0+00 E

14+00 N.

12+00 N.

10+00 E

10+00 N.

Campbell Highway
12 km

3+00 N.

0+00 S.

2+00 S.

4+00 S.

6+00 S.

8+00 S.

10+00 S.

12+00 S.

14+00 S.

16+00 S.

18+00 S.

20+00 S.

10+00 E.

"STRIKE"
82B3

Camp Creek

Boulder Creek

Welcome North Creek

1981 CAMP

PK-15, 16, 18 & 19
toward West

PK-17

PK-14
py, cp

PD 1-4
PK-04

PD 5-7
PK-05

PK-22
py, cp

PK-111

Boulder Creek Massive Sulfide
Showing (see enlargement)

PK-07, PD-8
PK-06
PK-20
PK-21
DDH 81-1, 2
PK-12
phyl + tuff
PK-02
PK-08
PK-09
PK-03
PK-101

PK-01
phyl
tuff

sh + ch

Baseline 1995 Soil Geochemical Survey

Baseline 1995 Geophysical Survey

Baseline 1981 Survey

PK-4
PK-23

50 phyl + slst

fer

py, slst, ch

DDH
81-3

Welcome North Massive Sulfide Showing
(See enlargement) PK-09
PK-13
PK-25

Baseline 10+00E
1995 Soil Geochemical
Survey

Till

Bog

Silt + organics

organics

High organics

Silt

Slst

qtz

sh, ch

gr

tuff
ch. + phyl.

A

B

C

D

EXPLANATION

SYMBOLS

- PK-04 ▲ — Rock geochemical sample number and location
- Stream
- Ridge
- 1995 Grid survey line
- Claim boundary
- Outcrop location; partially defined
- Float cobbles or boulders
- Claim posts location, Money claims showing numbers
- (B) — Geophysical anomaly, 1981
- A — Geophysical anomaly, 1995, showing conductor axes
- 75 — Bedding attitude
- 65 — Foliation attitude
- DDH 81-3 — Diamond drill hole location - 1981

STRATIGRAPHY

- Iron stained talus; siliceous, limonitic, pyritic
- Ferricrete; iron oxide cemented gravels

PALEOZOIC

- Andesite and/or basalt; massive to brecciated; local pillowed flows
- Intra flows, tuffs, siltstone, phyllite, slate, chert

ABBREVIATIONS

fer	Ferricrete
sl	Slate
phyl	Phyllite
slst	Siltstone
sh	Shale
ch	chert
gr	Greywacke
py	Pyrite
cp	Chalcopyrite
qtz	Quartz

ROCK GEOCHEMISTRY

SAMPLE NUMBER	COPPER p.p.m.	GOLD p.p.b.
PK-MC-95-01	102	14
-02	115	6
-03	3768	3
-04	20388	31
-05	6573	26
-06	610	14
-07	11651	220
-08	357	17
-09	417	11
-10	2475	15
-11	90	1
-12	127	16
-13	902	500
-14	5987	16
-15	312	38
-16	237	10
-17	46	2
-18	54	5
-19	189	12
-20	424	4
-21	503	2
-22	748	99
-23	58	48
-24	122	15
-25	1714	49
PD-M-95-1	614	4
-2	10411	1
-3	33025	29
-4	1452	21
-5	2330	4
-6	282	6
-7	516	8
-8	7690	430
-9	3101	460

093424

SCALE 1:5000

0 100 200 300 400 500

METRES

Dwg (1)

ATNA RESOURCES LTD.

MONEY CLAIMS

GEOLOGY MAP

WATSON LAKE MINING DISTRICT
YUKON TERRITORY

PAUL KALLOCK, CONSULTING GEOLOGIST

DRAWN	N.T.S.	DATE.	FIGURE
P.K / J.W.	105 H/5, G/8	DEC. 1995	3

130° 00' W.

61° 25' N.

BASELINE 0+00 E.

10+00 E.

Campbell Highway
12 km

Camp Creek

Boulder Creek

Welcome North Creek

Note: Sample of 100% recent volcanic ash.

"A"

"B"

"C"

"D"

0+00 N

0+00 S.

2+00 S.

4+00 S.

6+00 S.

8+00 S.

10+00 S.

12+00 S.

14+00 S.

16+00 S.

18+00 S.

20+00 S.

10+00 E.

3+00 N.

10+00 N.

12+00 N.

14+00 N.

130° 00' W.

61° 25' N.

093424

LEGEND

Copper (ppm) >=120 ppm

Soil Sample location

Mercury (ppb) >=200 ppb

Gold (ppb) >=10 ppb

"B" 1995 Copper ≥ 100 ppm Soil Geochemical Anomaly

1995 Mercury ≥ 200 ppb

SCALE 1:5000

0 100 200 300 400 500

METRES

Dwg (2)

ATNA RESOURCES LTD.

MONEY CLAIMS

SOIL GEOCHEMICAL SURVEY MAP

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

PAUL KALLOCK, CONSULTING GEOLOGIST

DRAWN.	N.T.S.	DATE.	FIGURE
P.K. / J.W.	105 H/5, G/8	DEC. 1995	8