

GEOCHEMICAL REPORT

87-531-16212  
6/88

KAM AND JEFF PROSPECT

(Kam 3,4,15-24 and Jeff 1-6 Mineral Claims)

Record No's: 4479-80, 4491-4500, 5480-5485

Sabiston Creek, Kamloops Mining Division.

Lat. 50 <sup>48'54"</sup>~~50~~ N / Long. 120 <sup>50'18"</sup>~~51~~ W.

Mapsheet 92-I-15W

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EMERALD STAR MINING EXPLORATION LTD.

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SUITE 106 - 525 SEYMOUR STREET, VANCOUVER, B.C.

V6B 3H9 689-2746

Owner: Canadian Nickel Company Ltd.

by:

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AUGUST 23, 1987

16,212

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

Geochemical Report  
KAM AND JEFF PROSPECT  
Sabiston Creek, Kamloops Mining Division.

SUMMARY

The Kam property, situated on Sabiston Creek, on the north shore of Kamloops Lake includes the Kam claims, 12 claims totalling 202 units and the Jeff claims, 6 two-post claims, included within the Kam claim block. The claims are owned by Canadian Nickel Company Ltd, and Emerald Star Mining Explorations Ltd. may earn a 50 % interest in the claims under a joint-venture agreement.

Around the turn of the century, the property was explored for mercury; numerous mercury prospects occur in a belt extending northwestward from Tunkwa Lake, south of Savona B.C. to Criss Creek, north of the Kam property. Placer gold was produced from Criss Creek and Deadman River, north and west of the Kam property, and Tranquille Creek to the east.

The property is situated in a northwesterly-trending feature known as the Quesnel Trough, filled mainly with basic to ultramafic Nicola volcanics, of late Triassic age, and characterized by gold deposits on the margins and copper-gold porphyry deposits within the central part. Mercury deposits in the Kamloops lake area are associated with north-west trending faults thought to be an extension of the Pinchi Fault, which hosted British Columbias most productive mercury deposit.

On the Kam property, Canadian Nickel Company has expended at least \$140,000 from 1982 to 1985 in the search for epithermal precious metal deposits associated with the extensive silica - carbonate alteration zones along major faults. Angular gold particles occur in till on the property, and are believed to have originated within 2 km. Percussion drilling and two diamond drill holes have not defined the source of the gold.

A large proportion of the property remains unexplored. Scattered anomalous gold values in rock are associated with mercury, arsenic, and antimony in association with granitoid intrusions and with faults along the contact of Nicola volcanics with younger conglomeratic units deposited in a fault graben.

A program of geological mapping and soil sampling was completed in late May and early June in 1987 to try and delineate areas where further exploration could effectively concentrate. The program was successful in outlining zones of cinnabar mineralization in carbonatized ultramafics or andesite volcanics of the Nicola Group, in fault contact with Nicola sedimentary units. Large areas with rusty soils coincide with zones of maximum alteration.

A total of 1132 soil and rock samples (1109 soils and 23 rocks), were taken by the writer, Geologists Carol I Ditson, B.Sc., Les Demczuk, (M.Sc.Equiv.) and sampler P.Boldon, between May 23 and June 10, 1987. The samples were taken along an extensive road system and on four separate small reconnaissance style grids. Samples were analysed for 30 elements by Vangeochem Labs Ltd., using ICP analytical method. Results for copper, silver, arsenic, antimony are shown on a series of maps which accompany this report.

On the road systems, soil samples taken at 50 meter intervals indicate large areas of moderately anomalous copper (100-200 ppm), with smaller areas where silver is weakly anomalous. These areas do not coincide. Weak arsenic and antimony anomalies are, however coincident.

Four geochemical grids all have large diffuse soil anomalies with moderate to high mercury. The anomalies coincide with silica carbonate altered serpentinized ultramafics along northwest fault zones. Copper anomalies of lesser extent and magnitude have scattered weakly to moderately anomalous arsenic. Gold values on the grids vary from 0 to 30 ppb. Values from 20-30 ppb are considered weakly anomalous.

Additional soil sampling at greater depths in the profile may help to define mineralized areas. Percussion drilling within the main anomalies is recommended, with diamond drilling to follow, if results warrant.

respectfully submitted

*Barry Price*

Barry Price, M.Sc.  
Consulting Geologist.



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LOCATION AND ACCESS:

The Kam and Jeff claims are situated in the Intermontane Physiographic province of British Columbia, approximately 40 kilometers northwest of Kamloops and directly north of Savona on the opposing shore of Kamloops Lake (refer to figure 1).

The claim group encompasses most of Eagle Hill and portions of the northeastern and southern slopes of Mount Uren. The property lies along the Sabiston Creek drainage and includes Copper Creek, Sabiston Lake and most of Sedge Lake.

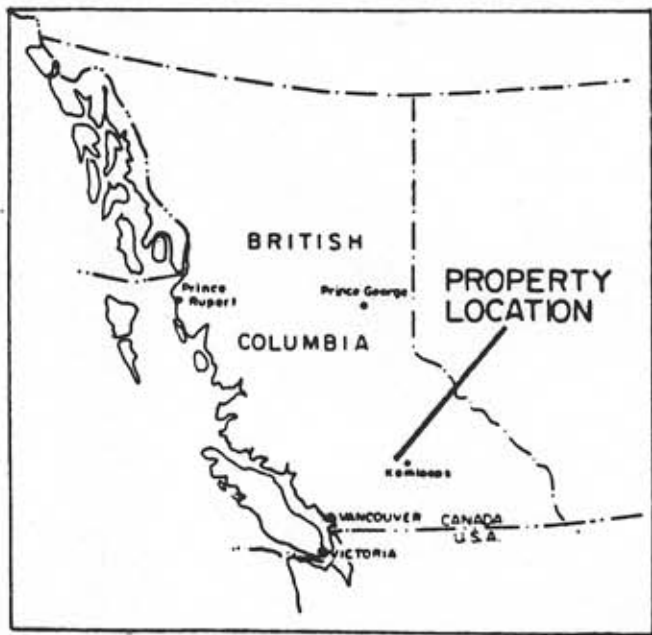
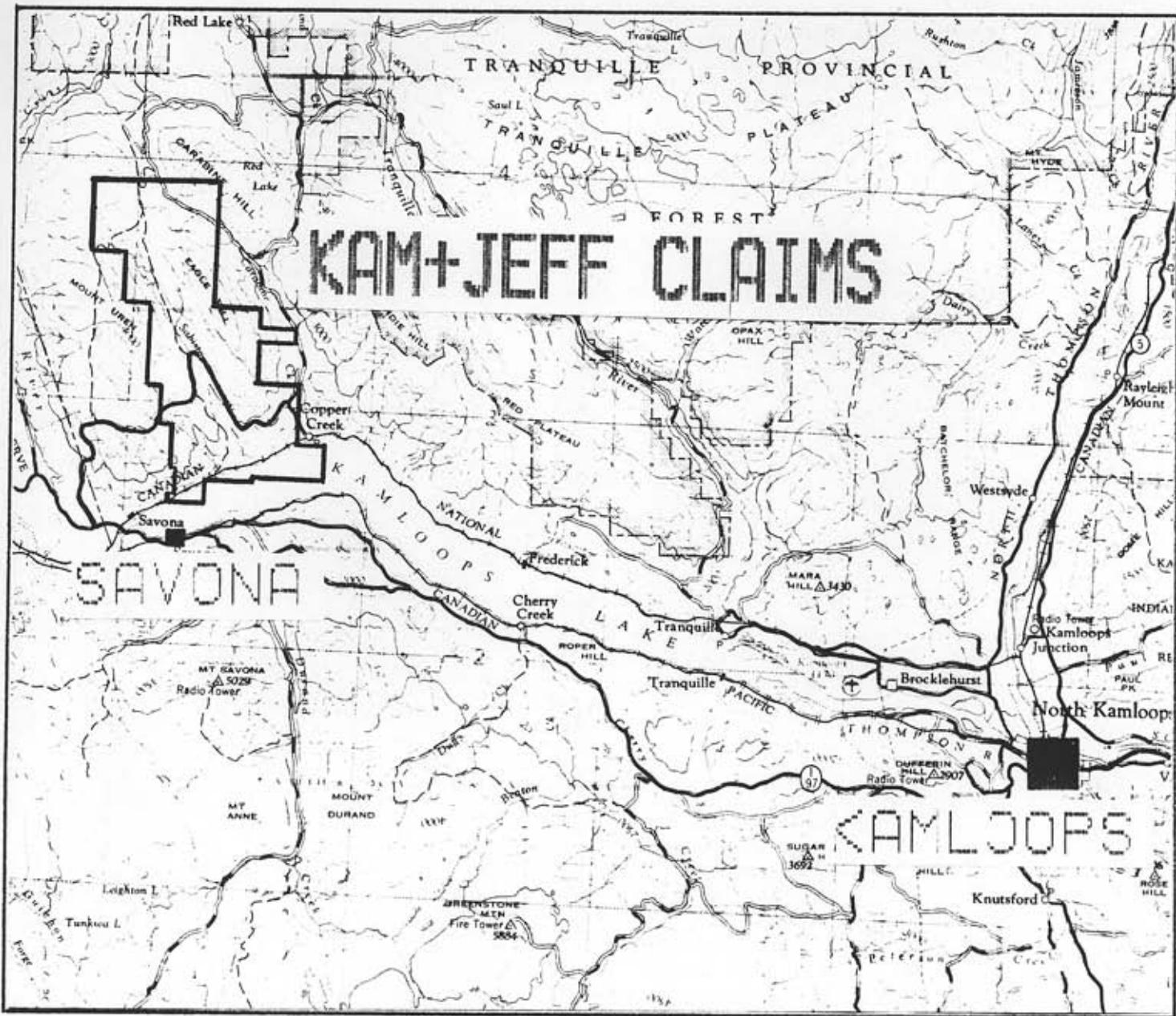
Access is via the Sabiston Creek gravel road, which extends from the Trans Canada Highway, about 1 km west of the bridge over the Thompson River, 3 km west of Savona B.C.

The gravel road heads northerly, then westerly, for a distance of about 12 kilometers to the western edge of the Kam 20 claim, then continues through the southern part of the property to the Railway siding at Copper Creek, on the shore of Kamloops Lake.

An extensive network of other secondary roads provides good access to most other portions of the property with the exception of Eagle Hill. Four-wheel drive is recommended for some of the roads because of mud in wet weather.

The property can be reached in about 4 hours driving time from Vancouver or 1 hour from Kamloops. All necessary supplies and services are available from Kamloops, which is serviced by several flights a day from Vancouver.

Surface rights to the property are owned by Indian Garden Ranch, near Savona, B.C.



SCALE: 1:250,000



**KAM AND JEFF PROSPECT**

for: EMERALD STAR MINING  
EXPLORATION LTD.

by: B. PRICE & C. DITSON

**PROPERTY LOCATION**

KAMLOOPS M.D., B.C.

N.T.S. 92I/15W

Date:

Drawn by: C.D.

Figure: 1



EMERALD STAR MINING  
 FIGURE 2  
 TOPOGRAPHY IN  
 KAM CLAIM AREA  
 921-15W  
 B. J. Price, M.Sc. 1986

PHYSIOGRAPHY, VEGETATION AND CLIMATE:

Topography on the Kam and Keff claims varies from gently sloping to locally very steep, particularly approaching the shores of Kamloops Lake. Elevations range from 350 meters at the lakeshore to 1450 meters atop Eagle Hill. The Sabiston Valley, wide and U-shaped at its headwaters, becomes steeply V-shaped as it approaches Kamloops Lake. Sabiston creek is the only water course on the property which contains running water year around.

Much of the claim area is heavily wooded with spruce, pine, hemlock, aspen and birch. At Lower elevations, on slopes bordering Kamloops Lake, the area is desert-like with grass, sagebrush, cactus and sparse mature pine, primarily in stream valleys. The claim area is used as open cattle range.

Climate is arid, with temperatures to 38 degrees in summer, and moderately cold in winter. Work could continue late in the season on showings at lower elevations adjacent to the lake.

During the summer, water for drilling must be trucked or pumped from one of the lakes.

PROPERTY DEFINITION:

The claims, Kam 3-4, 15-24 and Jeff 1-6 are situated in the Kamloops Mining District. The Kam claims, staked using the modified grid system, consist of 202 units. The Jeff claims are 2-post claims, totalling 6 unit equivalents.

The property is held by Emerald Star Mining Company Ltd. under an option leading to a joint-venture agreement with the original owner; Canadian Nickel Company Ltd.



Claim details are itemized below, a claim map is included as figure 3.

TABLE I  
Kam and Jeff Claims  
 Kamloops M.D., Mapsheet 92-1-15W

<u>CLAIM</u>	<u>UNITS</u>	<u>REC. NO.</u>	<u>RECORD DATE</u>	<u>EXPIRY DATE</u>
Kam 3	20	4479	June 10, 1983	June 10, 1988
Kam 4	20	4480	June 10, 1983	June 10, 1988
Kam 15	20	4491	June 10, 1983	June 10, 1989
Kam 16	16	4492	June 10, 1983	June 10, 1990
Kam 17	3	4493	June 10, 1983	June 10, 1994
Kam 18	15	4494	June 10, 1983	June 10, 1990
Kam 19	20	4495	June 10, 1983	June 10, 1990
Kam 20	12	4496	June 10, 1983	June 10, 1991
Kam 21	18	4497	June 10, 1983	June 10, 1988
Kam 22	20	4498	June 10, 1983	June 10, 1990
Kam 23	18	4499	June 10, 1983	June 10, 1989
Kam 24	20	4500	June 10, 1983	June 10, 1991
TOTAL	202 units			
Jeff 1	1	5480	February 3, 1984	Feb 3, 1995
Jeff 2	1	5481	February 3, 1984	Feb 3, 1994
Jeff 3	1	5482	February 3, 1984	Feb 3, 1994
Jeff 4	1	5483	February 3, 1984	Feb 3, 1994
Jeff 5	1	5484	February 3, 1984	Feb 3, 1994
Jeff 6	1	5485	February 3, 1984	Feb 3, 1994
TOTAL	6 claims			

The Kam claims have been regrouped as follows:

<u>Group Name</u>	<u>Includes Claims</u>	<u>Units</u>
Group 1	Kam 19,20,21,22,24,Jeff 1-6	96
Group 2	Kam 3,4,15,16,17,18	94
Ungrouped	Kam 23	18

The claims are shown on British Columbia Department of Mines and Petroleum Resources Mineral Claim Map 92I/15W.

Some of the claims do not actually contain the full number of units represented above as a result of overlap; considerable portions of Kam 21, 22 and 23 extend into Kamloops Lake. In addition, the Jeff claims are located within the Kam 22, 23 and 24 claims and a group of crown grants, the Savona Gold group (Lots 922-930 inclusive), are contained within the Kam 23 and 24 claims.

# KAM AND JEFF PROSPECT

for: EMERALD STAR MINING  
EXPLORATION LTD.

by: B. PRICE & C. DITSON

## CLAIM MAP

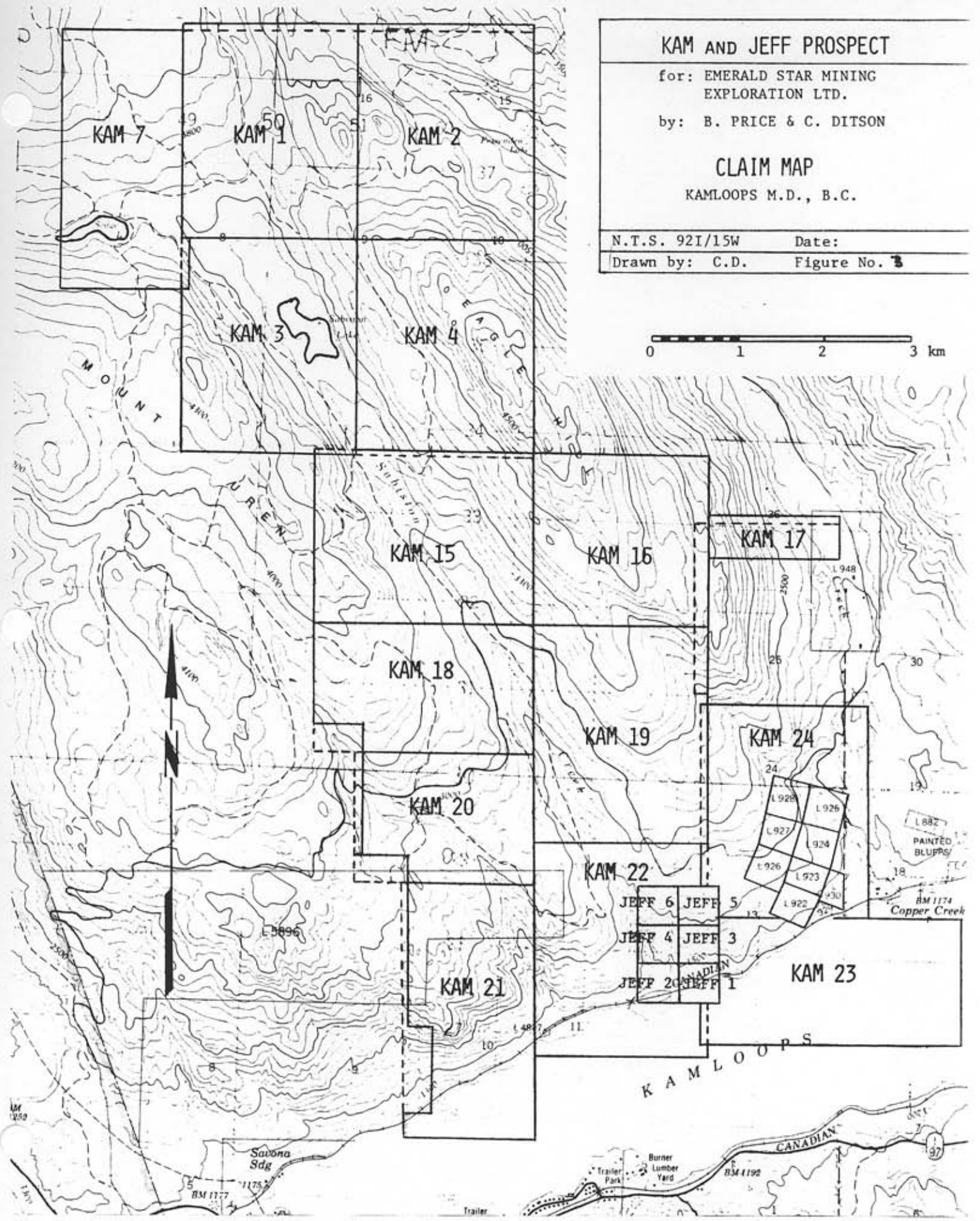
KAMLOOPS M.D., B.C.

N.T.S. 92I/15W

Date:

Drawn by: C.D.

Figure No. 3



The Savona Gold Group, mentioned above, does not comprise a portion of the property as ownership is held by other interests.

The south-facing slopes of the claims bordering on Kamloops Lake are considered grazing land and, as such, are operated by the Indian Garden Ranch. The Ranch is located on Tunkwa Lake Road, 4 kilometers south of the Trans Canada Highway, telephone 604-373-2542.

#### HISTORY

Early history of the area was described in an earlier report (Price, 1987), and need not be repeated. More recently, the Kam claims were staked in 1983 by Canadian Nickel Company Ltd., who discovered gold in heavy mineral samples taken from Sabiston Creek.

Recent work on the Sabiston Creek showings has been spurred by the development of new geologic models for epithermal gold-silver deposits in the southwestern United States, and application of this model to exploration for similar deposits in British Columbia and elsewhere in the world.

Exploration personnel from Canico became aware that the numerous hydrothermal mercury occurrences in the area could be a manifestation of zoning in epithermal ("fossil hotspring) gold deposits. Exploration was pursued intensively from 1982 to 1985., as is outlined below. (Quoted from Price, 1987).

1982 Exploration: In 1982, heavy mineral sampling, conducted by Canico yielded several anomalous instances of mercury and gold and resulted in staking of the Kam 1-24 claim group. Total expenditures on the claim block in 1982 are not known.

1983 Exploration: In 1983, Canico conducted extensive work over the above ground and, as a result, the Jeff 1-6 claims were staked and the Kam group reduced to 15 claims.

Exploration included cutting and flagging in excess of 30 km of grid lines, geological mapping, soil sampling (159 samples), rock sampling (84 samples), heavy mineral concentrate sampling (124 samples), at least 20 km of VLF surveys, altimeter surveys, and 7.6 km of IP and Resistivity geophysics.

The 1983 program involved 225 man days of work under the supervision of E.J. Debicki, F.G.A.C., (District Geologist), and W.O. Manson, B.Sc., (Project Geologist) at a total cost of \$58,954.30.

1984 Exploration: In the 1984 and 1985 field seasons, Canico continued exploration to determine the source of gold and mercury anomalies discovered in 1984. Work done in 1984 included: line cutting, prospecting, geological mapping, rock and stream sediment sampling, magnetometer, VLF and IP geophysical surveys, and overburden percussion drilling. In all, 146 man days were spent on the property and total cost of the program was \$72,426.50.

#### REGIONAL GEOLOGY (Figures 4 and 5)

The area of the Kam/Jeff claim group is situated within the Intermontaine Tectonic/physiographic province, bordered by the Fraser-Yalakom fault system on the west and the Louis Creek Fault on the east. The property lies central to this belt, which includes an important geologic feature called the Quesnel Trough.

The Quesnel Trough is a 30-60 kilometer wide belt of north-northeast trending Triassic Nicola Group volcanics and sediments enclosed between older Paleozoic Cache Creek and Harper Valley Formations on the west and east, respectively. The contacts between these units has been invaded by Triassic-Jurassic Coast Intrusions and by the much later Eocene Kamloops Group volcanics. A few patches of Jurassic Ashcroft sediments occur

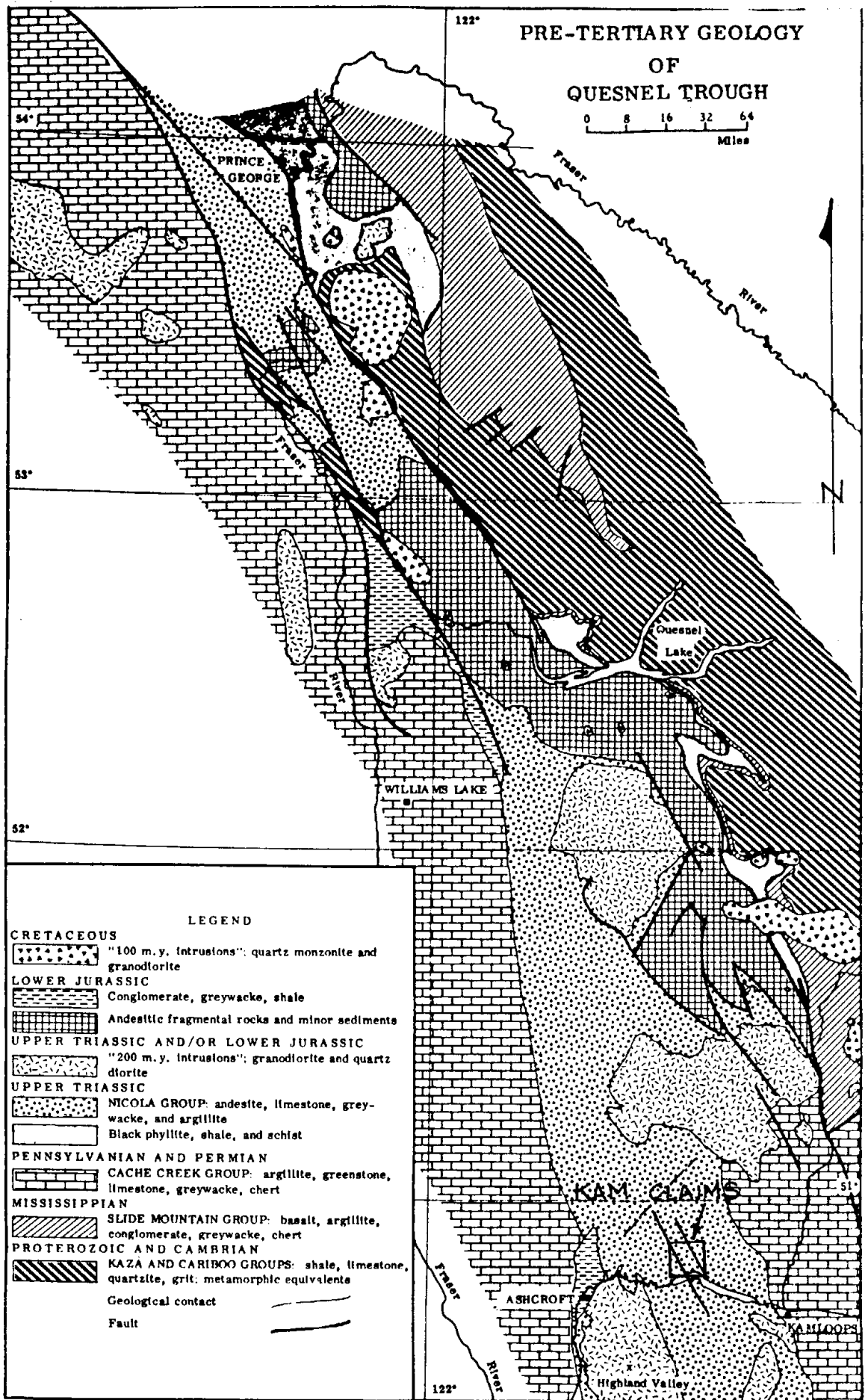


FIGURE 2 — Schematic map of the pre-Tertiary geology of the Quesnel Trough and surroundings. The Trough is defined by the occurrence of Upper Triassic and Lower Jurassic volcanic and sedimentary rocks and is bounded by Paleozoic or older rocks on either side.

FIGURE 4. Regional Geology - Quesnel Trough.

sporadically across the map area as do various Cretaceous and/or tertiary intrusive and extrusive rocks.

Nicola and Ashcroft Formations have been folded and faulted along a north-northwest trending axis. Kamloops group volcanics, which unconformably cap these units, are relatively undeformed.

Mercury deposits, long known in this area, occur in a belt roughly 12 kilometers wide extending from Tunkwa Lake on the south to Criss Creek, a distance of about 36 kilometers. The mercury is present as cinnabar, primarily associated with dolomite in veins and stringers located within shear zones but sometimes occurs as small masses in chalcedony and silicified rock. Host rocks are volcanics of all ages that have been strongly silicified or altered by ankeritic carbonates.

Numerous copper deposits are present in the area, most associated with the Iron Mask Batholith, located only 12 kilometers from the Kam 23 claim. Nearly 200,000 tonnes of material, grading about 1.5% copper, was mined from this district between 1891 and 1928. This included several thousand tonnes of magnetite ore. The Afton Mine, prior to opening in 1975, announced proven ore reserves of 30 million tonnes grading 1% copper, 0.58 ppm gold (0.017 oz./ton), and 4.19 ppm silver, (0.122 oz./ton). The mine is continuing exploration, although the smelter operation is closed pending increased copper price.

Lode gold has been mined at Stump Lake and at Swakum Mountain, located about 35 kilometers southeast and south, respectively,

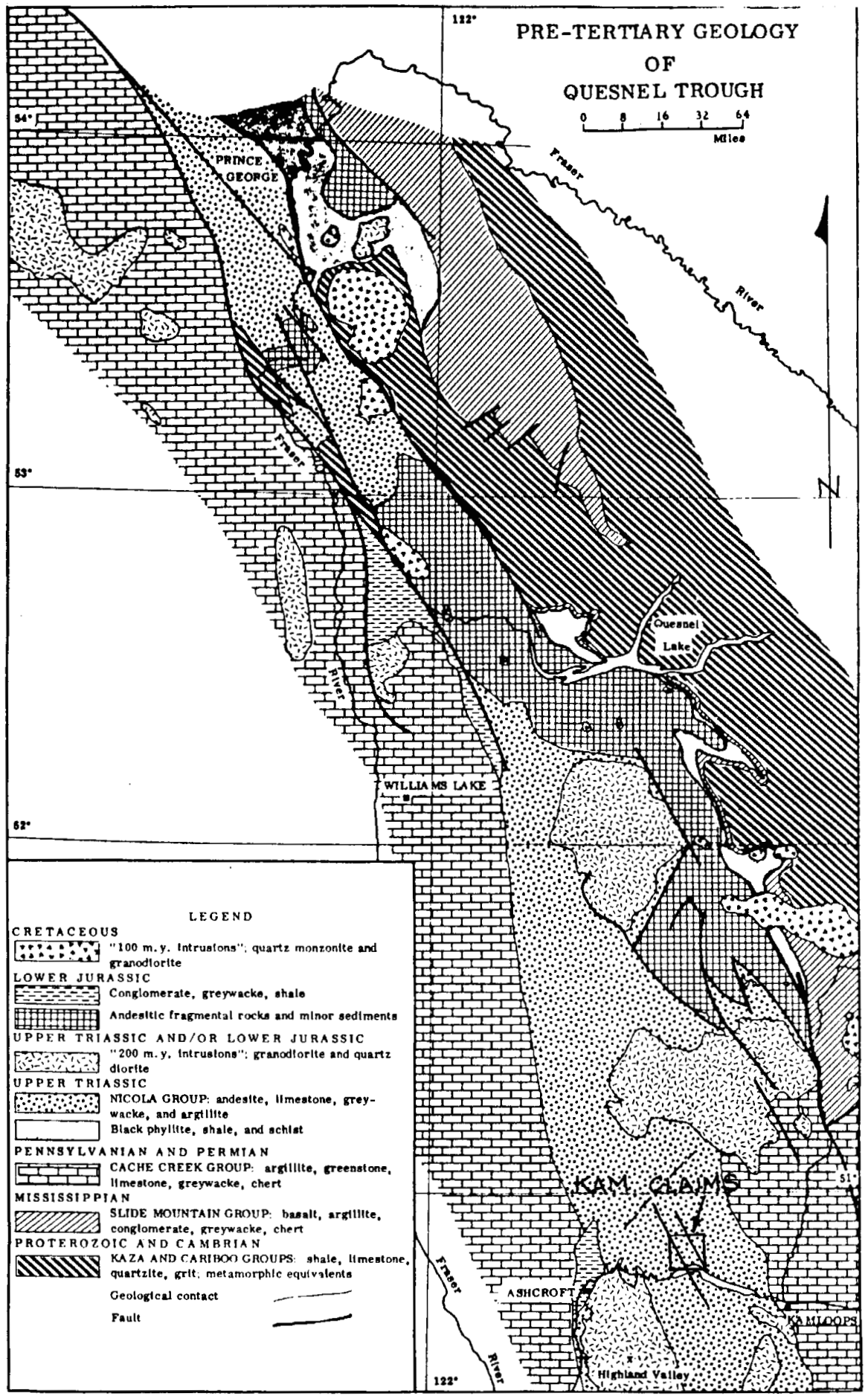


FIGURE 2 — Schematic map of the pre-Tertiary geology of the Quesnel Trough and surroundings. The Trough is defined by the occurrence of Upper Triassic and Lower Jurassic volcanic and sedimentary rocks and is bounded by Paleozoic or older rocks on either side.

FIGURE 4. Regional Geology - Quesnel Trough.

(CIM Bull., July 1970)

from the Kam 23 claim, and gold-silver exploration is presently being aggressively pursued on a number of epithermal prospects situated north of the Kam claims.

Regional geology is shown in Figure 4.

#### GEOLOGY OF THE KAM PROPERTY:

In this brief discussion of geology of the property, much of the information is a summary of previous reports by Debicki, (1985), and Manson, (1984).

The Kam property is underlain mainly by Volcanics and sediments of the Nicola Group, (Late Triassic), although the eastern part of the property is underlain by Ashcroft Formation clastic sediments (Early Jurassic). Small stocks of granite to granodiorite of Jurassic or Cretaceous age intrude the Ashcroft Formation, and small patches of Late Tertiary basalts unconformably overlie the older rocks.

#### NICOLA GROUP:

The Nicola group has been divided into six map units by Debicki as follows:

Unit 1a: ANDESITE; light to dark green, fine to medium grained, and massive to moderately jointed, locally brecciated.

Unit 1b: ANDESITE PORPHYRY; greenish to reddish brown, fine grained to aphanitic, Plagioclase phenocrysts occur as tabular laths less than 8 mm in length. Hematite common in matrix.

Unit 1c: ANDESITE ? LAPILLI TUFF: Green to reddish brown matrix which is medium to coarse grained. Fragments 2 mm to 32 mm. Moderately fractured and locally brecciated.

Unit 1d: ANDESITE AGGLOMERATE: Similar to 1c, but clasts 32 mm to 20 cm. Possibly derived from Unit 1b.

Unit 1e: BASALTIC TO ULTRAMAFIC FLOWS: Dark grey to dark green, massive and medium grained. Plagioclase, Hornblende (after Augite), and Olivine phenocrysts. Picrite phases present, these may be serpentized.

Unit 1f: ARGILLITE; black to dark brown, fine grained or aphanitic.



ASHCROFT FORMATION: (Unit 2):

The Ashcroft Formation is a multi-colored polymictic conglomerate with lenses of siltstone and sandstone. Clasts are resistant quartzite, chert, or quartz in a sandy matrix. The unit decomposes readily to rubble with loose clasts, often resembling till.

CRETACEOUS (?) INTRUSIONS: (Unit 3):

Granitoid stocks and plugs intrude the Ashcroft Formation, north of Sabiston Lake. The intrusive rocks are white to pink, porphyritic to equigranular, and do not appear to have contact alteration phenomena.

STRUCTURE:

The Nicola Group rocks trend northwesterly and have moderate to steep northeast or southwest dips. Small-scale folds are concordant with the regional strike and dip.

Major northwest-trending faults are common and trend at 332 degrees (slightly oblique to the strike). These are interpreted by Warren as "en echelon" faults related to or extensions of the Pinchi Fault System. The faults follow the major drainages of Deadman Creek, Sabiston Creek and Carabine Creek, and may be normal faults, but offset is unknown. The presence of considerable thickness of Ashcroft clastics on the east side of the property may indicate a "Graben" structure. On a smaller scale, cross faults of limited displacement are likely present.

Tight folding is present in the Ashcroft Formation; there may be an unconformity at the base of the formation.

ALTERATION:

Two common alteration types are:

1) : Carbonate-Silica alteration, with buff to yellow weathering carbonate including dolomite, ankerite, and calcite, massive to brecciated, with one or more stages of silica, (chalcedonic), and varying amounts of sericite, kaolinite and pyrite.

2) : Argillic alteration; buff to white weathering, may be gossanous. Varies in intensity from pervasive to local alteration of feldspars. Contains weathered pyrite cubes. Confined to one small area on the Jeff Claims. Quartz, dolomite and sericite may be present. Veins of quartz/ilmenite are present.

Several large carbonate-silica alteration zones extend from the shore of Kamloops Lake northward and northwestward, and are believed to occur intermittently along the trend of Sabiston valley throughout the entire claim block, a distance of at least 10 kilometers. Individual alteration zones have been mapped on the south grid, and these are known to be 1500 meters in strike length and up to 150 meters wide. Considerably more mapping will be necessary to outline all alteration zones on the property.

MINERALIZATION:

Mineralization recognized on the property early in its history was disseminated cinnabar in the Silica-carbonate and clay alteration zones. No production has come from the "Independence" vein, about 10 cm wide, exposed in a short adit at the south end of Jeff 1 claim, near the lakeshore west of Copper Creek. The adit has been driven north 40 degrees west on the vein for 18 feet, and thence north for 10 feet to cross-cut the zone, which is about 10 feet wide (Cockfield 1948). The vein is dolomite which contains thin films of cinnabar.

Approximately 1500 feet upstream is another group of workings, where an open cut has been made on a shear zone in the east bank of the dry gulch. Cockfield reports that the zone strikes north 10 degrees east and dips 70 degrees southwest and carries a narrow vein with malachite and azurite stain.

An additional 50 feet upstream on the same gulch, an adit driven 100 feet northeasterly has a 12 foot crosscut 50 feet from the portal and a short crosscut in either direction at the face. Small stringers of dolomite are present, but Cockfield observed no cinnabar at this locality.

Additional showings are thought to exist westerly upslope from Sabiston Lake, where the Rose M claim was staked in 1940. Cinnabar was noted by Cockfield in Volcanics and sediments on the Jane and Plaza claims, (in 1940), on the ridge between Carabine Creek and Sabiston Creek. These showings evidently occurred in rocks of the Ashcroft Formation, and have to be re-discovered by detailed prospecting.

Economic potential of the claims lies not with the mercury mineralization, but with the possibility of additional gold or silver mineralization in epithermal veins or alteration zones.

#### 1987 EXPLORATION PROGRAM:

The geochemical program was started May 20, 1987 and was completed June 4, 1987. A total of 1109 rock geochemical samples and 23 soil samples were taken, some along a network of roads and the balance on small grids centered on baselines 0, 1, 2, and 3, as shown on the accompanying maps. Samples were submitted to

Vangeochem Labs Ltd., North Vancouver, B.C., prior to record date June 10.

Sampling was done by geologists Carol Ditson, B.Sc., and Les Demczuk, and prospector Philip Boldon, Supervised by the writer.

DISCUSSION:

In 1982, reconnaissance stream-sediment and heavy mineral concentrate samples were taken throughout a large area north of Kamloops Lake. Several sample sites contained anomalous mercury and gold. These were clustered in a linear fashion along Sabiston Creek and along the east side of Mt. Uren, and in a smaller cluster 1-2 km north of Sabiston Lake, on the west flank of Eagle Hill. Additional sampling in 1983 and 1984 confirmed these anomalous locations.

In 1983, A line of soil samples in Sabiston Valley, (Line 7000 S), was concentrated by heavy mineral methods (Gold Wheel Concentrator). Nine of sixteen samples treated in this fashion contained from 1,000 to 9,999 ppb. gold, and 2 contained greater than 10,000 ppb gold. Seven of the samples had mercury in excess of 10,000 ppm. Arsenic values were low, (6-26 ppm). In addition, a gold anomaly on Ln 7000S was covered by a small soil-sampling grid, and soil anomalies for gold (20-110 ppb) and mercury (to 4200 ppb) support the heavy mineral results.

Additional work in this area in 1984 involved detailed geological mapping and drilling of a series of 9 percussion drill holes along the access road, near the origin of Grid "3". These holes intersected broad carbonate alteration zones with traces of cinnabar. Penetration into bedrock was limited - 5 to 15 meters.

Maximum values in percussion drilling samples were 11 ppb Au; 0.4 ppm Ag; 133 ppm As; 25 ppm Sb; and 50,000 ppb Hg. No explanation was evident for the heavy mineral concentrate values of 70,400 ppb gold and 380,000 ppb Mercury. Gold particles were noted in the till overburden; evidently the gold has been transported from its origin; detailed studies of the gold morphology by M.W.Milner, consulting geomorphologist revealed that gold is present only in the upper of two layers of till. Two types of gold particles are present: angular particles and worn and flat particles, which may indicate mixing of gold from two separate sources, near and far. Milner feels that the angular gold is from a bedrock source no more than 1-2 kilometers distant and likely from the vicinity of the Nicola/Ashcroft contact, east of Sabiston Creek.

Initial work in 1987 was done along the road network on the north end of the property. A number of strong silica carbonate alteration zones were seen in road cuts, and cinnabar-rich float was seen in a number of localities, (but not in outcrop). Outcrop is relatively scarce in the northern area, except on the northeastern side of the property, where dioritic intrusions have strongly hornfelsed the rock, particularly in the vicinity of the Ashcroft Sediments, making them extremely siliceous, hard and resistant. No alteration accompanies the hornfelsing, and for this reason sampling was limited in this area.

On the west side of the Sabiston Valley, from the main access road northward, carbonatization is common, probably related to the

Grid Baseline 1 extends southward from an old access road, to the west of Grid "0" , along a similar area of rusty soil and previously mapped carbonate alteration.

Grid Baseline "2" is a short line along a steep gully south of the Copper Creek road and above the Lake, east of Grid "0". A small coloration anomaly in rock exists here, but no mineralization was seen.

Grid Baseline "3" extends northward from the Copper Creek road through a relatively flat area of sage and scattered pines, under which gold was found in till by Canico geologists. Soil lines at 50 meter intervals and samples at 25 meter intervals test the zone.

#### RESULTS:

The only elements plotted on the accompanying grid and traverse maps are Arsenic (As), Antimony (Sb), Copper (Cu), Silver, (Ag), and Gold (Au) and Mercury (Hg). The following levels are used as an arbitrary guide to determining anomalous levels:

#### GEOCHEMICAL PARAMETERS

<u>ELEMENT</u>	<u>As</u>	<u>Sb</u>	<u>Cu</u>	<u>Ag</u>	<u>Au</u>	<u>Hg</u>
<u>Detect. Limit</u>	3 ppm	2 ppm	1 ppm	0.1 ppm	5 ppb	5 ppb
<u>Background</u>	0-5 ppm	0-4 ppm	25 ppm	0.1 ppm	5-10	<200
<u>Anomalous</u>	10 ppm	> 5 ppm	>60 ppm	>0.4 ppm	20	>500
<u>Very Anomalous</u>	> 20 ppm	>20 ppm	>200 ppm	>1.0 ppm	50	>1000

Other elements which may be useful as pathfinders are Bismuth (Bi), Manganese (Mn), Barium (Ba), Strontium (Sr), Calcium (Ca), Iron (Fe), Cobalt (Co) and Nickel (Ni).

For comparison, rock geochemical results from Canico reports (1982-1986) are shown below:

TABLE II  
1982-86 ROCK GEOCHEMICAL SAMPLES  
KAM/JEFF CLAIMS - KAMLOOPS M.D.

SAMPLE	LOCATION	AREA OF ADITS - JEFF CLAIMS			
		AU (ppb)	AS (ppm)	SB (ppm)	HG (ppb)
46086	8365S/600W	5	181	16	19,000
46087	8320S/570W	5	41	39	3,300,000
46090	8320S/570W	5	29	22	64,000
46098	8000S/440W	5	1764	1546	4,500,000
46100	7985S/430W	15	22	5	880,000
38602	7945S/400W	5	46	95	72,000
38623	8000S/440W	15	8903	2	19,000,000
38623	REASSAY	15	1000	650	>5000
38667	8025S/470W	5	3517	4	15000
38668	8345S/100W	5	3160	60	100000
38629	8310S/100W	5	1868	8	7900
38631	8345S/100W	5	1577	18	28000
38642	8445S/60W	5	710	34	5900

ASHCROFT CONGLOMERATE - COPPER CREEK AREA

SAMPLE	LOCATION	AU (ppb)	AS (ppm)	SB (ppm)	HG (ppb)
38647	8225S/045E	5	1986	2 *	11600
38647	REASSAY B.	<5	1000	170	>5000

ASHCROFT CONGLOMERATE - SABISTON LAKE AREA

SAMPLE	LOCATION	AU (ppb)	AS (ppm)	SB (ppm)	HG (ppb)
38673	TRAV 1/90M	155	92	2	220
38673*	RESAMPLE	5	106	4	110
38903	TRAV 1/80M	195	80	2	40

TYPICAL NICOLA VOLCANICS

SAMPLE	LOCATION	AU (ppb)	AS (ppm)	SB (ppm)	HG (ppb)
46054	7530S/545W	5	14	2	200
42299	6500S/085W	5	2	2	420
38595	5250S/800W	5	3	2	5
45467	6315S/1260W	5	12	2	10

Soil sampling along the road systems in the north part of the property indicate large areas of moderately anomalous copper (100-200 ppm), with smaller areas where silver is weakly anomalous. These areas do not coincide. Weak arsenic and antimony anomalies are, however coincident. The copper anomalies coincide with carbonatized ultramafics or volcanics. In the road traverses it is apparent that all anomalous areas are clustered along the west side of the Sabiston Creek Fault.

Four geochemical grids all have large diffuse soil anomalies with moderate to high mercury, The anomalies coincide with silica carbonate altered serpentinitized ultramafics along northwest fault zones. Copper anomalies of lesser extent and magnitude have scattered weakly to moderately anomalous arsenic. Gold values on the grids vary from 0 to 30 ppb. Values from 20 -30 ppb are considered weakly anomalous.

The best anomalies are considered those on Grid "1" and Grid "3". The anomaly on Grid "2" is smaller, and the anomaly on Grid "0" is diffused and no strong target areas are defined. Considering the style of mineralization seen, copper and mercury appear to be the most definitive elements.

The area of Grid "3" overlies an area in which gold was found in the till. Anomalous mercury in soils over a wide area here suggests a broad alteration zone at depth, with carbonatized serpentinites. This could be the source of the particulate gold.



Additional soil sampling at greater depths in the profile may help to define mineralized areas. Percussion drilling within the main anomalies is recommended, with diamond drilling to follow, if results warrant.

Geology and geochemical anomalies should be compiled, and on this basis, sites for prospecting, further sampling, and percussion drill-holes may be chosen.

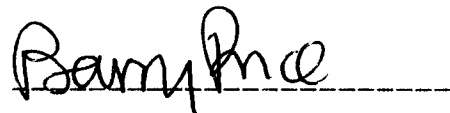
RECOMMENDATIONS:

Percussion drilling of major anomalies, using angle holes (45 to 60 degrees) up to 250 feet deep is recommended for targets with corresponding mercury +/- arsenic +/- antimony +/- gold targets.

Diamond drilling should be done only to test depth potential of those zones which show potential from surface exploration and percussion drilling.

A suggested exploration budget for the second and third phases of exploration of the property is presented on the following page.

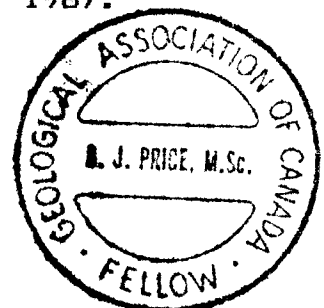
respectfully submitted



Barry J. Price, M.Sc.

Consulting Geologist.

AUGUST 23, 1987.



SUGGESTED EXPLORATION BUDGET:PHASE II.

Percussion drilling, 2000 ft @ \$16/ft	\$32,000.00
Geochemical analyses, 200 x \$15.00	3,000.00
Geological supervision, 10 days @ \$250	2,500.00
Meals and Accommodation 30 man days X \$70	2,100.00
Vehicle Rental	1,500.00
Expendable Field Supplies	500.00
Mobilization	2,000.00
Report preparation, Drafting, etc.	2,500.00
Contingency	4,000.00
	=====
TOTAL	\$50,100.00

PHASE III

Diamond Drilling 2000 ft @ \$30/ft all incl.	60,000.00
Geological Supervision, Reports etc	10,000.00
Support, accommodation, meals etc	10,000.00
	=====
TOTAL	\$80,000.00

RESPECTFULLY SUBMITTED

*Barry Price*

Barry Price, M.Sc.  
 Consulting Geologist  
 August 23, 1987.



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ITEMIZED COST STATEMENT

EMERALD STAR MINING EXPLORATIONS LTD.  
 STE 106 - 525 Seymour St.,  
 Vancouver, B.C.

Kam and Jeff Project, Sabiston Creek Area:FIELD WORK: MAY 20 - JUNE 4 1987Consulting Fees: B.Price, M.Sc. Project Manager

May 20-24, 5 days @ 350/day	\$1,750.00
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L.Demczuk, Geologist, 15 days @ \$225/day	3,375.00
C.Ditson, Geologist, 14 days @ \$150/day	2,100.00
P.Bolden, Sampler, 14 days @ \$100/day	1,400.00

Subtotal	8,625.00
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<u>Management Fee:</u> (Rapitan Resources Inc.)	1,031.25
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Vehicle Rentals:

L.Demczuk, 4-w.d. Cherokee, 14 days @ \$50/day	700.00
Island Arc Ford pickup, 14 days @ \$35	490.00

Subtotal	1,190.00
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Disbursements:

B.Price Expenses: (List attached)	\$ 791.78
Rapitan Resources Inc Lakeside Motel	\$768.24
Expendable Field Suppl.	337.98
C.Ditson Expenses	288.00
L.Demczuk Expenses	75.96
Telephone (Estimate)	40.00

Subtotal	\$2,301.96
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Geochemical Analyses:

Vangeochem Inv.# 870501 NA ( 221 soils, 23 rocks)	\$2,930.05
Vangeochem Inv.# 870550 NA (888 soils)	\$6,526.80

Miscellaneous:

Air Photos (H.Hamilton)	95.86
Image Reproduction	3.49
B.Price Telephone	26.27

Service Charge on disbursements in excess of Advance. 5% x 3,148.21	157.41
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THIRD INVOICE: SEPT 1/87

Consulting Fees: B.Price, M.Sc. Project Manager

Report Writing Aug 19-25	6 days @ \$350	\$2,100.00
Word Processing		100.00

Disbursements:

Vangeochem Labs, Inv. # 870933	3,944.00 Est
( 464 soils - Au, Hg) est \$8.50 ea.	
R.W.R. Drafting Maps	1,000.00 Est
Van Cal Reproductions	400.00 Est
Copy Time	40.00 Est

Subtotal	\$7,584.00 Est
	379.20

Service charge on \$7584

TOTAL THIS INVOICE \$7,963.20

SUMMARY

PREVIOUS BILLING	13,305.62
SECOND INVOICE	10,449.19
THIS INVOICE	7,963.00

	TOTAL	\$31,718.44
Amount claimed per Work Filing		29,900.00

Respectfully submitted

*Barry Price*

Barry Price, M.Sc.  
Consulting Geologist.



CERTIFICATE

I, Barry J.Price, with business address at 3447 W.7th Avenue, Vancouver, B.C. do hereby certify that:

1) I am a Consulting Geologist registered with the Geological Association of Canada as a Fellow and I am entitled to use their seal, which has been affixed to this report. I am a member of the Canadian Institute of Mining, the Society of Exploration Geologists, and several other professional organizations.

2) I hold a B.Sc. (Honors) Degree in Geology (1965) and a M.Sc. in Geology (1972), both from the University of British Columbia., Vancouver, B.C.

3) I have practised my profession as a geologist continuously since 1965, having worked in Canada, The United States of America, Mexico, and the Republic of the Phillipines, for a number of large and small companies and consulting firms, including Manex Mining Ltd., J.R.Woodcock and Associates, Archer Cathro and Associates and P.A.Christopher and Associates.

4) I have based this report on available geological data on the property and adjacent properties and mineral deposits, and on my personal knowledge of the area, accumulated since 1974, and personally worked on the subject property, and supervised Geologists C.I.Ditson, B.Sc., and Les Demczuk, (M.Sc.Equiv), and sampler P.Boldon, who worked on the property.

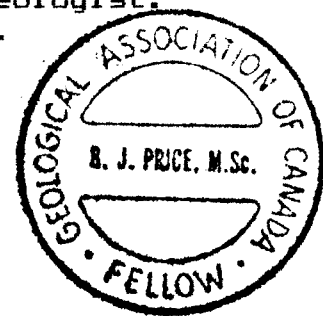
5) I have no interest in the claims described in the report nor in the securities of Emerald Star Mining Explorations Ltd., and will receive only normal consulting fees for the preparation of this report.

6) I do not have any interest in any mineral claims within 25 km. of the Kam and Jeff claims.

7) I consent to the use of this report by Emerald Star Mining Explorations Ltd., for whatever purposes they deem necessary.

Barry Price

Barry James Price, M.Sc.  
Consulting Geologist,  
Aug 23, 1987.



## APPENDIX 1

### GEOCHEMICAL PROCEDURES AND ANALYTICAL METHODS

Rock samples were chips of 2-5 cm size filling a kraft gusseted soil sample envelope, or small plastic bags of about 1 kg capacity. These were taken when quartz veining or noticeable alteration or mineralization were present.

Soil samples were of sub-organic layer; "B" horizon where possible, but often of till in the project area. Approximately 0.2 to 0.5 kg were dug and placed with a stainless steel scoop into gusseted kraft soil sample bags.

Samples were shipped by Greyhound Bus Lines to Vancouver, and were analyzed by ICP (induction coupled plasma) methods by Vangeochem Labs., North Vancouver. Analytical procedures are noted on the geochemical result tabulations in the appendix.



APPENDIX II  
GEOCHEMICAL ANALYSES

VANGEOCHEM AB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH: (604)984-5211 TELEX:04-352578  
 BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH: (604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MO,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.  
 IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: RAPITAN RESOURCES  
 ATTENTION:  
 PROJECT:

REPORT#: PA  
 JOB#: 870553  
 INVOICE#: NA

DATE RECEIVED: 87/06/10  
 DATE COMPLETED: 87/06/11  
 COPY SENT TO: 2

ANALYST *W. Jones*

PAGE 1 OF 2

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CK-1	.1	.39	51	ND	152	ND	6.87	.4	16	52	46	4.02	.16	3.03	1122	3	.01	18	.05	85	ND	ND	3	ND	267	ND	ND	170
CK-2	.1	7.29	ND	ND	884	ND	6.53	.1	15	13	26	2.99	.05	1.44	745	1	.01	4	.06	9	ND	ND	ND	ND	347	ND	ND	63
CK-3B	.1	.20	ND	ND	4174	ND	28.94	.1	7	14	17	1.45	.01	2.58	2900	2	.01	6	.01	30	ND	ND	ND	ND	363	ND	ND	55
CK-4	.1	8.51	ND	ND	111	ND	12.70	.4	11	14	45	2.06	.01	1.36	761	1	.01	2	.03	91	ND	ND	ND	ND	88	ND	ND	141
CK-5A	.1	.22	ND	ND	2003	ND	12.70	.1	29	33	1032	2.61	.01	7.13	1430	3	.01	11	.01	81	ND	ND	ND	ND	416	ND	ND	174
CK-6	.1	.14	ND	ND	2193	ND	15.51	.6	12	31	25	4.11	.01	2.04	2589	1	.01	5	.02	77	ND	ND	ND	ND	250	ND	5	138
CK-7	.1	.56	26	ND	576	ND	4.32	.2	19	64	84	5.48	.08	2.42	1618	3	.01	48	.15	43	ND	ND	ND	ND	121	ND	ND	135
CK-8	.1	.83	ND	ND	1075	ND	3.26	.1	14	40	47	4.46	.12	1.52	1015	1	.01	7	.07	23	ND	ND	5	ND	123	ND	10	71
CK-9	.1	1.83	3	ND	56	ND	3.86	.1	12	56	40	4.15	.08	1.41	909	1	.01	17	.07	34	ND	ND	ND	ND	73	ND	5	101
CK-10	.1	.24	5	ND	581	ND	7.74	.1	20	53	368	3.95	.01	4.71	1096	2	.01	40	.03	47	ND	ND	ND	ND	298	ND	5	104
CK-11A	.1	1.17	ND	ND	706	ND	9.31	.1	14	31	55	4.73	.01	2.27	1327	3	.01	6	.05	27	ND	ND	ND	ND	138	ND	ND	73
CK-11B	.1	.78	ND	ND	26	ND	10.29	.1	9	90	34	2.33	.01	3.20	1744	5	.01	19	.05	37	ND	ND	ND	ND	211	ND	8	52
CK-18	.1	.42	ND	ND	1108	ND	17.61	.1	14	11	24	5.31	.01	6.98	1164	1	.01	22	.04	51	ND	ND	ND	ND	573	ND	ND	125
CK-21	.1	.44	87	ND	2653	ND	15.79	.1	5	14	51	2.90	.01	.37	790	2	.01	9	.05	25	ND	ND	ND	ND	220	ND	5	77
CK-66	.1	.59	25	ND	491	ND	6.67	.1	11	23	51	4.60	.01	2.55	1328	1	.01	13	.09	33	ND	ND	3	ND	155	ND	ND	99
CK-68	.1	.48	ND	ND	720	ND	9.44	.1	17	34	29	5.06	.01	4.16	1883	2	.01	45	.02	43	ND	ND	ND	ND	89	ND	ND	133
CK-72	.1	.51	3	ND	195	ND	2.07	.2	14	27	48	3.43	.08	.85	708	1	.01	28	.07	28	ND	ND	14	ND	56	3	8	98
CK-75	.1	.33	129	ND	57	ND	13.02	.1	15	4	26	5.40	.01	6.09	1842	ND	.01	7	.01	35	ND	ND	14	ND	91	ND	ND	95
CK-77	.1	.45	37	ND	111	ND	20.18	.1	28	47	117	5.48	.01	2.47	1892	1	.01	37	.01	29	ND	ND	16	ND	77	ND	ND	107
CK-85	.1	.40	27	ND	1406	ND	14.42	.1	18	6	290	5.02	.01	6.05	1159	ND	.01	19	.02	38	ND	ND	4	ND	190	ND	ND	127
CK-94	.1	.48	ND	ND	284	ND	9.90	.1	14	17	18	3.27	.01	4.67	1270	1	.01	14	.02	23	ND	ND	ND	ND	150	ND	ND	69
CK-96	.1	.39	ND	ND	94	ND	10.63	.1	20	15	8	3.94	.01	4.78	1239	1	.01	20	.01	14	ND	ND	27	ND	155	ND	ND	81
CK-103	.1	1.05	9	ND	422	ND	6.76	.1	13	19	20	3.74	.01	1.41	953	ND	.01	13	.04	18	ND	ND	6	ND	105	ND	9	50
CK-117	.1	.23	3	ND	279	ND	8.23	.1	17	9	19	4.58	.01	3.83	1768	1	.01	11	.01	8	ND	ND	ND	ND	63	ND	6	93
CK-122	.1	.23	14	ND	90	ND	9.28	.1	12	15	23	4.14	.01	2.92	1167	1	.01	13	.02	18	ND	ND	7	ND	115	ND	ND	59
CK-167	.1	1.34	148	ND	155	ND	8.04	.1	23	177	45	4.30	.01	3.22	1053	1	.01	75	.07	15	ND	ND	12	ND	114	ND	13	57
CK-182	.1	.22	ND	ND	73	ND	15.01	.1	24	30	9	3.23	.01	8.18	716	ND	.01	77	.01	22	ND	ND	ND	ND	237	ND	ND	74
CK-258	.1	.29	80	ND	902	ND	6.18	.2	6	20	29	3.12	.01	2.55	819	1	.01	22	.05	51	ND	ND	8	ND	94	ND	ND	100
CK-259	.1	3.21	ND	ND	85	ND	3.17	.1	20	33	14	4.34	.06	1.84	740	2	.01	12	.16	25	ND	ND	ND	ND	47	ND	ND	45
CK-274	.1	.11	ND	ND	105	ND	13.43	.1	2	5	4	3.85	.01	7.22	2064	ND	.01	5	.01	21	ND	ND	ND	ND	70	ND	ND	127
DK-10	.1	.37	47	ND	1401	ND	12.32	.1	8	18	44	3.85	.01	3.12	1244	1	.01	13	.05	14	ND	ND	ND	ND	282	ND	ND	61
DK-11	.1	2.22	ND	ND	3240	ND	12.61	.1	13	11	35	3.88	.01	1.45	2622	ND	.01	13	.04	1	ND	ND	ND	ND	266	ND	ND	39
DK-12	.1	.25	ND	ND	2986	ND	10.05	.1	11	52	17	2.95	.01	4.75	949	4	.01	11	.01	25	ND	ND	ND	ND	176	ND	ND	53
DK-13	.1	.20	ND	ND	277	ND	9.16	.1	14	29	31	3.30	.01	4.10	738	1	.01	19	.01	24	ND	ND	ND	ND	218	ND	ND	66
DK-14	.1	.39	11	ND	172	ND	16.91	.1	3	16	11	1.54	.01	2.22	222	1	.01	13	.03	12	ND	ND	ND	ND	1001	ND	6	16
DK-15	.1	1.78	ND	ND	502	ND	15.55	.1	9	11	41	2.70	.01	1.08	951	1	.01	13	.07	8	ND	ND	ND	ND	171	ND	5	44
DK-16	.1	.73	28	ND	194	ND	4.33	.1	8	18	27	3.91	.05	1.30	828	2	.01	5	.06	2	ND	ND	3	ND	55	ND	3	82
DK-17	.1	.29	ND	ND	25	ND	13.60	.1	7	16	27	2.90	.01	5.15	746	ND	.01	30	.01	9	ND	ND	ND	ND	155	ND	ND	53
DK-18	.1	.01	ND	ND	792	ND	28.28	.1	ND	5	73	.61	.01	.30	1818	1	.01	1	.01	37	ND	ND	ND	ND	830	ND	ND	11
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL I	AS PPM	AU PPM	BA PPM	BI PPM	CA I	CD PPM	CO PPM	CR PPM	CU PPM	FE I	K I	MG I	MN PPM	MO PPM	NA I	NI PPM	P I	PB PPM	PD PPM	PT PPM	SB PPM	SM PPM	SR PPM	U PPM	W PPM	ZN PPM
DK-19	.1	.08	41	ND	2417	ND	13.33	.1	16	24	9	4.02	.01	6.48	2729	ND	.01	18	.01	38	ND	ND	ND	ND	376	ND	ND	112
DK-20	.1	.16	7	ND	609	ND	13.19	.1	27	111	210	3.74	.01	7.63	1361	ND	.01	168	.01	28	ND	ND	7	ND	735	ND	ND	35
DK-21	.1	.34	ND	ND	3318	ND	10.71	.1	7	25	22	2.95	.01	5.08	3741	ND	.01	8	.05	29	ND	ND	ND	ND	786	ND	3	60
DK-22	.1	.10	ND	ND	3040	ND	9.19	.1	17	25	21	3.49	.01	4.02	1466	ND	.01	24	.02	21	ND	ND	ND	ND	392	ND	4	70
DK-23	.1	.64	ND	ND	3744	ND	14.86	.1	5	84	23	1.16	.01	1.29	1153	ND	.01	30	.02	5	ND	ND	ND	ND	467	ND	ND	20
DK-24	.1	1.67	ND	ND	781	ND	8.01	.1	15	24	71	4.54	.01	1.10	1156	ND	.01	7	.14	ND	ND	ND	ND	ND	232	ND	ND	64
DK-25	.1	.34	13	ND	78	ND	10.42	.1	11	35	24	3.24	.01	4.67	747	ND	.01	14	.02	21	ND	ND	3	ND	317	ND	ND	52
DK-26	.1	.40	9	ND	73	ND	8.75	.1	11	39	28	3.18	.01	4.29	781	2	.01	15	.02	15	ND	ND	5	ND	221	ND	ND	50
DK-27	.1	.25	13	ND	35	ND	10.58	.1	10	28	15	2.86	.01	5.49	651	ND	.01	21	.01	26	ND	ND	ND	ND	246	ND	ND	54
DK-28	.1	1.06	13	ND	52	ND	3.49	.1	19	37	57	5.30	.05	.63	724	2	.01	22	.10	2	ND	ND	ND	ND	97	ND	ND	52
DK-29	.1	2.41	3	ND	95	3	2.17	.1	20	50	18	4.25	.02	1.60	571	2	.01	31	.10	11	ND	ND	ND	ND	123	ND	ND	59
DK-30	.1	1.06	ND	ND	70	ND	12.38	.1	10	81	22	2.06	.01	1.37	758	ND	.01	31	.03	6	ND	ND	ND	ND	94	ND	ND	36
DK-31	.1	3.70	ND	ND	20	ND	8.10	.1	12	67	38	2.32	.01	1.75	371	2	.01	103	.04	ND	ND	ND	ND	ND	69	ND	ND	28
DK-32A	.1	3.40	ND	ND	104	3	5.00	.1	30	40	33	6.41	.02	2.58	1102	ND	.01	22	.15	ND	ND	ND	ND	ND	236	ND	ND	77
DK-32B	.1	1.85	ND	ND	719	ND	9.00	.2	17	46	34	3.89	.01	2.86	1654	ND	.01	28	.08	8	ND	ND	ND	ND	176	ND	ND	48
DK-33	.1	.13	ND	ND	41	ND	33.78	.1	ND	6	6	.36	.01	.12	2441	ND	.01	2	.01	12	ND	ND	ND	ND	132	ND	ND	13
DK-34	.1	.64	4	ND	39	ND	4.16	.1	19	44	34	3.85	.02	1.20	1312	3	.01	16	.08	4	ND	ND	ND	ND	146	ND	ND	96
DK-35	.1	.38	57	ND	2720	ND	10.05	.1	17	37	199	3.08	.01	4.12	1284	ND	.01	35	.06	16	ND	ND	ND	ND	285	ND	ND	62
DK-36S	.1	.41	9	ND	453	ND	1.61	.1	3	40	37	1.46	.05	.41	306	1	.01	5	.03	14	ND	ND	3	ND	181	6	ND	38
DK-36B	.1	2.62	ND	ND	583	ND	.75	.1	62	147	52	4.45	.13	14.63	865	ND	.01	991	.02	13	ND	ND	ND	ND	102	ND	ND	45
DK-37	.1	1.82	6	ND	121	ND	.76	.1	71	184	38	4.67	.01	16.85	893	ND	.01	1161	.01	23	ND	ND	ND	ND	170	ND	ND	47
NO NAME	.1	.46	3	ND	79	ND	10.46	.1	13	52	32	3.13	.01	2.92	1800	ND	.01	31	.04	9	ND	ND	ND	ND	401	ND	ND	43
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LTD LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578  
 BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.  
 IS= INSUFFICIENT SAMPLE. ND= NOT DETECTED. -- NOT ANALYZED

COMPANY: RAPITAN RESOURCES  
 ATTENTION:  
 PROJECT: KAM

REPORT#: PA  
 JOB#: 870501  
 INVOICE#: NA

DATE RECEIVED: 87/05/28  
 DATE COMPLETED: 87/06/07  
 COPY SENT TO:

ANALYST *W. P. Jones*

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
PK-2	.1	1.50	ND	ND	265	ND	.56	.1	9	19	32	4.65	.07	.40	1074	1	.01	15	.06	6	ND	ND	ND	ND	32	ND	ND	86
PK-3	.1	.30	ND	ND	74	ND	14.36	.1	27	130	82	3.52	.01	2.27	1055	ND	.01	131	.08	7	ND	ND	ND	ND	295	ND	ND	39
PK-4	.1	4.30	ND	ND	243	ND	.93	.6	29	99	143	7.86	.08	2.11	1701	1	.01	53	.15	ND	ND	ND	ND	76	ND	ND	87	
PK-5	.1	3.29	ND	ND	54	ND	1.72	.1	61	103	306	13.76	.14	1.87	2239	1	.01	116	.17	1	ND	ND	ND	ND	66	ND	ND	93
PK-6	.2	2.87	ND	ND	128	8	1.68	.4	28	47	154	5.45	.12	2.06	651	1	.01	40	.16	6	ND	ND	ND	6	56	ND	ND	85
PK-7	.1	3.62	ND	ND	55	ND	1.77	.5	29	72	189	6.58	.06	2.17	775	2	.01	48	.08	3	ND	ND	ND	ND	47	ND	ND	87
PK-8	.1	3.59	ND	ND	50	ND	2.11	.4	34	72	168	6.86	.07	2.00	1225	1	.01	48	.08	3	ND	ND	ND	ND	46	ND	ND	81
PK-9	.3	3.45	ND	ND	51	ND	1.82	.2	25	40	175	6.58	.08	1.33	880	2	.01	27	.10	7	ND	ND	ND	ND	57	ND	ND	95
PK-10	.1	4.05	ND	ND	22	ND	9.07	.1	28	14	100	4.25	.01	.96	1045	2	.01	15	.08	9	ND	ND	ND	ND	140	ND	ND	64
PK-11	.2	3.64	ND	ND	83	ND	2.45	.1	31	58	121	5.27	.07	1.86	1148	2	.01	47	.08	8	ND	ND	ND	1	47	ND	ND	85
PK-12	.1	.19	ND	ND	18	ND	16.32	.1	8	14	10	3.33	.01	8.17	1165	ND	.01	25	.01	3	ND	ND	ND	ND	118	ND	ND	25
PK-13	.1	2.43	ND	ND	129	ND	.83	.2	18	78	92	4.87	.03	1.01	465	1	.01	47	.06	4	ND	ND	ND	ND	53	ND	ND	56
PK-14	.1	2.42	ND	ND	60	ND	13.39	.1	20	15	64	4.37	.01	1.45	1329	1	.01	16	.05	8	ND	ND	ND	ND	171	ND	ND	58
PK-15	.5	2.17	10	ND	188	7	1.04	.1	22	75	78	5.12	.03	1.03	838	2	.01	45	.14	20	ND	ND	5	4	58	ND	ND	83
PK-17	.6	2.97	25	ND	122	5	.79	.3	17	69	59	5.08	.02	.76	618	3	.01	42	.10	22	ND	ND	5	2	48	ND	ND	88
PK-18	.6	3.13	9	ND	185	7	.94	.6	21	70	73	5.16	.01	1.11	520	3	.01	43	.07	20	ND	ND	4	5	55	ND	7	77
PK-19	.5	3.90	ND	ND	109	5	1.45	.6	24	48	73	5.54	.01	1.64	635	3	.01	34	.06	14	ND	ND	ND	2	48	ND	ND	77
PK-20	.8	2.95	17	ND	151	11	.88	.4	21	69	63	5.19	.01	1.01	481	3	.01	50	.13	26	ND	ND	7	5	68	ND	ND	86
PK-21	.1	2.06	3	ND	173	ND	.86	.1	25	75	151	6.94	.01	.86	1233	3	.01	47	.16	9	ND	ND	ND	ND	73	ND	ND	70
PK-23	.4	3.18	ND	ND	214	ND	.69	.5	20	68	59	5.33	.01	.86	546	3	.01	50	.10	20	ND	ND	ND	1	81	ND	ND	91
PK-24	.1	2.70	3	ND	176	ND	2.72	.2	25	64	77	5.49	.01	.96	955	2	.01	41	.07	20	ND	ND	ND	ND	122	ND	ND	87
PK-25	.5	3.84	10	ND	175	8	.89	.8	25	67	91	6.26	.01	.93	617	4	.01	48	.06	26	ND	ND	ND	ND	76	ND	ND	87
PK-27	.1	1.37	6	ND	121	ND	10.57	.3	24	51	87	4.62	.05	1.98	749	1	.01	32	.08	16	ND	ND	ND	ND	304	ND	ND	51
PK-28	.3	3.04	7	ND	227	ND	1.37	.1	35	98	138	8.33	.01	.85	1328	3	.01	51	.15	449	ND	ND	ND	ND	68	ND	ND	136
PK-30	.2	4.47	ND	ND	250	6	1.20	.1	17	33	85	5.02	.01	1.26	725	3	.01	23	.11	10	ND	ND	ND	ND	154	ND	ND	90
PK-31	.2	4.90	ND	ND	244	3	1.33	.2	24	44	117	5.77	.01	1.72	726	3	.01	37	.12	10	ND	ND	ND	ND	138	ND	ND	88
PK-32	.4	4.85	ND	ND	157	9	2.22	.4	32	37	112	6.23	.01	2.47	915	3	.01	29	.07	15	ND	ND	ND	ND	113	ND	8	78
PK-33	.6	3.77	13	ND	299	5	1.08	.4	23	39	105	7.41	.01	.97	639	4	.01	33	.10	28	ND	ND	4	ND	62	ND	ND	85
PK-34	.5	3.83	7	ND	281	5	1.12	.5	22	35	98	6.30	.01	1.16	576	4	.01	26	.07	28	ND	ND	3	ND	88	ND	ND	94
PK-35	.1	3.49	ND	ND	133	ND	1.82	.1	20	32	67	4.33	.01	1.28	714	2	.01	23	.04	6	ND	ND	ND	ND	124	ND	ND	70
PK-36	.1	4.26	ND	ND	216	ND	1.16	.4	23	48	65	5.12	.01	1.41	547	2	.01	27	.06	6	ND	ND	ND	ND	154	ND	ND	73
PK-37	.1	3.44	17	ND	192	8	.93	.4	25	68	48	5.47	.01	1.67	759	2	.01	74	.07	12	ND	ND	ND	ND	128	ND	ND	139
PK-38	.4	4.16	ND	ND	113	6	1.20	.4	23	36	57	4.40	.01	.89	1028	3	.01	30	.06	27	ND	ND	ND	ND	80	ND	8	132
PK-39	.5	4.00	ND	ND	138	6	1.28	.6	21	48	72	5.30	.01	1.14	506	3	.01	33	.08	13	ND	ND	ND	ND	84	ND	ND	84
PK-40	.5	3.64	4	ND	78	9	1.66	.5	23	43	121	5.20	.01	1.08	528	2	.01	33	.10	8	ND	ND	ND	ND	81	ND	ND	104
PK-41	.2	3.02	15	ND	350	ND	1.00	.3	20	42	105	6.30	.01	.86	500	3	.01	32	.05	19	ND	ND	3	ND	61	ND	ND	111
PK-42	.1	3.07	ND	ND	254	ND	.75	.1	18	34	48	4.67	.01	.56	571	2	.01	22	.05	8	ND	ND	ND	ND	52	ND	ND	99
PK-43	.1	3.00	ND	ND	241	ND	1.10	.2	22	56	85	4.92	.01	1.12	701	ND	.01	30	.06	ND	ND	ND	ND	54	ND	ND	89	
PK-44	.1	2.70	ND	ND	163	ND	1.82	.3	18	33	80	4.89	.01	.64	791	ND	.61	23	.12	3	ND	ND	ND	ND	62	ND	ND	110
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SM PPM	SR PPM	U PPM	V PPM	ZN PPM
PL-45	.1	3.47	ND	ND	137	4	1.18	.1	17	35	103	4.82	.11	1.31	706	ND	.01	23	.08	6	ND	ND	ND	ND	72	ND	ND	76
PL-46	.1	3.11	ND	ND	150	ND	1.03	.1	18	44	77	4.25	.13	.86	392	ND	.01	25	.06	5	ND	ND	ND	ND	69	ND	ND	62
PL-47	.1	2.87	ND	ND	86	ND	5.19	.1	18	71	106	3.70	.06	1.43	868	ND	.01	33	.08	ND	ND	ND	ND	ND	102	ND	ND	57
PL-49	.1	2.95	ND	ND	313	ND	.94	.1	15	31	51	3.79	.15	.66	1001	ND	.01	23	.08	8	ND	ND	ND	ND	57	ND	ND	109
PL-50	.1	2.97	ND	ND	162	ND	1.36	.1	20	38	116	5.55	.11	1.18	571	ND	.01	25	.10	5	ND	ND	ND	ND	68	ND	ND	60
PL-51	.1	2.61	ND	ND	190	ND	1.06	.2	14	40	59	3.89	.10	.71	904	ND	.01	21	.05	7	ND	ND	ND	ND	53	ND	ND	85
PL-52	.1	3.13	ND	ND	232	ND	1.67	.1	15	43	87	4.75	.17	.91	920	ND	.01	25	.12	9	ND	ND	ND	ND	73	ND	ND	104
PL-53	.1	3.16	ND	ND	160	ND	.86	.1	15	40	50	3.97	.12	.79	381	ND	.01	31	.05	5	ND	ND	ND	ND	56	ND	ND	55
PL-54	.1	2.58	ND	ND	212	3	.86	.1	14	28	39	3.25	.13	.83	984	ND	.01	22	.03	8	ND	ND	ND	ND	58	3	ND	65
PL-55	.1	1.87	27	ND	154	ND	7.29	.1	13	24	168	2.87	.02	1.87	579	1	.01	18	.08	97	ND	ND	4	ND	236	ND	5	57
PL-56	.1	2.40	3	ND	89	5	1.45	.1	17	46	85	4.09	.10	1.03	558	ND	.01	33	.08	1039	ND	ND	ND	ND	62	ND	ND	48
PL-57	.1	2.41	ND	ND	115	ND	1.29	.1	16	35	73	3.87	.11	.96	568	ND	.01	25	.05	21	ND	ND	ND	ND	61	ND	ND	51
PL-58	.1	1.75	5	ND	102	ND	7.11	.1	13	26	69	2.88	.02	1.10	544	ND	.01	19	.14	13	ND	ND	3	ND	180	ND	ND	36
PL-60	.1	2.13	ND	ND	105	ND	6.30	.1	15	30	61	3.50	.02	1.33	643	ND	.01	22	.08	7	ND	ND	ND	ND	190	ND	ND	42
PL-61	.1	3.58	ND	ND	208	ND	.70	.1	13	29	41	3.42	.08	.72	793	ND	.01	22	.07	8	ND	ND	ND	ND	56	ND	ND	131
PL-62	.1	4.85	ND	ND	67	ND	.94	.2	19	117	146	8.14	.12	1.51	364	ND	.01	33	.05	ND	ND	ND	ND	ND	55	ND	ND	63
PL-64	.1	3.52	ND	ND	180	ND	.86	.2	18	57	77	5.59	.12	1.11	440	ND	.01	38	.07	5	ND	ND	ND	ND	54	ND	ND	74
PL-65	.1	3.37	ND	ND	184	ND	.65	.1	19	48	37	4.23	.13	.72	441	ND	.01	31	.04	11	ND	ND	ND	ND	49	ND	ND	69
PL-67	.1	2.65	ND	ND	82	ND	1.11	.1	16	45	79	4.74	.10	1.03	456	ND	.01	33	.08	10	ND	ND	ND	ND	62	ND	4	50
PL-69	.1	3.09	ND	ND	116	ND	.76	.1	16	41	63	4.37	.14	1.12	450	1	.01	35	.05	13	ND	ND	ND	ND	56	ND	ND	63
PL-70	.1	3.57	ND	ND	125	ND	.94	.1	19	52	68	4.98	.12	1.36	609	ND	.01	35	.05	5	ND	ND	ND	ND	59	ND	ND	69
PL-71	.1	3.75	ND	ND	107	ND	.97	.1	17	54	71	5.41	.14	1.12	504	ND	.01	33	.04	6	ND	ND	ND	ND	55	ND	ND	68
PL-72	.1	3.82	ND	ND	116	3	1.16	.1	17	49	66	4.99	.15	1.26	481	ND	.01	27	.07	4	ND	ND	ND	ND	71	ND	ND	65
PL-73	.1	3.58	ND	ND	170	ND	.86	.1	16	43	62	4.58	.11	1.21	571	ND	.01	30	.04	4	ND	ND	ND	ND	64	ND	ND	65
PL-74	.1	3.47	ND	ND	167	ND	.72	.1	15	39	44	4.20	.13	.72	467	1	.01	28	.05	8	ND	ND	ND	ND	56	ND	ND	72
PL-75	.1	3.25	ND	ND	106	ND	.81	.1	16	46	56	4.41	.12	.88	435	ND	.01	32	.06	6	ND	ND	ND	ND	52	ND	ND	56
PL-77	.1	2.12	ND	ND	108	ND	3.16	.1	16	34	64	3.84	.08	1.06	634	ND	.01	26	.08	4	ND	ND	ND	ND	87	ND	ND	42
PL-79	.1	3.02	ND	ND	144	ND	.68	.1	14	43	48	4.12	.15	.69	546	ND	.01	26	.06	8	ND	ND	ND	ND	43	ND	ND	112
PL-80	.1	3.20	ND	ND	138	ND	.93	.1	16	47	72	4.76	.13	.91	421	ND	.01	29	.08	5	ND	ND	ND	ND	57	ND	ND	64
PL-81	.1	2.83	7	ND	179	ND	4.19	.2	19	38	81	4.19	.10	1.35	786	ND	.01	32	.12	5	ND	ND	ND	ND	92	ND	ND	63
PL-82	.1	2.72	ND	ND	140	3	.86	.1	14	36	43	3.72	.15	.70	584	1	.01	28	.07	14	ND	ND	ND	ND	53	ND	ND	109
PL-83	.1	2.54	ND	ND	163	ND	.68	.1	13	33	32	3.41	.15	.64	594	ND	.01	26	.04	9	ND	ND	ND	ND	44	ND	ND	108
BK-1	.1	2.40	ND	ND	25	ND	10.19	.1	23	49	234	4.20	.01	3.47	724	ND	.01	31	.12	10	ND	ND	ND	ND	601	ND	9	43
BK-2	.1	1.83	ND	ND	156	ND	2.32	.1	13	41	66	3.34	.11	.81	556	ND	.01	32	.08	9	ND	ND	ND	ND	103	ND	ND	59
BK-3	.1	3.02	ND	ND	151	ND	.91	.4	21	59	71	5.45	.12	1.11	699	ND	.01	50	.10	12	ND	ND	ND	ND	64	ND	ND	67
BK-4	.1	1.18	ND	ND	100	ND	12.00	.1	11	21	90	2.31	.01	2.37	389	ND	.01	23	.05	6	ND	ND	4	ND	570	ND	4	24
BK-5	.1	2.75	ND	ND	63	ND	1.73	.1	20	36	135	4.48	.11	1.20	783	ND	.01	29	.13	9	ND	ND	ND	ND	67	ND	3	73
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BK-6	.1	2.14	18	ND	90	ND	.75	.1	20	62	152	4.58	.08	1.27	864	1	.01	48	.08	13	ND	ND	3	ND	57	ND	ND	85
BK-7	.1	2.68	ND	ND	102	ND	3.45	.2	22	49	103	4.39	.08	2.27	1079	1	.01	36	.07	4	ND	ND	ND	ND	117	ND	ND	67
BK-8	.1	3.05	ND	ND	64	ND	4.40	.2	25	56	162	4.65	.08	2.87	1032	ND	.01	54	.11	2	ND	ND	ND	ND	79	ND	4	70
BK-9	.1	2.08	10	ND	184	ND	2.91	.4	17	59	61	3.77	.11	1.18	709	1	.01	47	.10	10	ND	ND	ND	ND	90	ND	ND	74
BK-10	.1	2.52	ND	ND	211	ND	.70	.4	16	58	53	3.95	.13	.85	670	1	.01	41	.08	9	ND	ND	ND	ND	60	ND	ND	101
BK-11	.1	1.10	8	ND	181	ND	8.50	.1	11	37	65	2.62	.01	.96	376	ND	.01	25	.13	7	ND	ND	ND	ND	174	ND	ND	42
BK-12	.1	2.64	ND	ND	165	ND	1.04	.4	17	52	61	3.89	.10	1.21	717	1	.01	36	.06	7	ND	ND	ND	ND	59	ND	ND	77
BK-13	.1	3.28	ND	ND	78	ND	3.30	.6	26	70	148	5.12	.13	2.68	1970	ND	.01	54	.07	12	ND	ND	ND	ND	82	ND	4	71
BK-14	.1	3.07	ND	ND	271	3	.68	.4	15	42	53	3.90	.11	.66	1372	1	.01	31	.08	7	ND	ND	ND	ND	54	ND	ND	148
BK-15	.1	3.89	ND	ND	63	7	1.62	.1	26	15	283	7.05	.11	2.62	1142	1	.01	16	.12	8	ND	ND	ND	ND	49	ND	4	102
BK-16	.1	3.66	4	ND	109	ND	1.43	.3	19	19	221	5.32	.14	.73	703	1	.01	19	.11	1	ND	ND	ND	ND	72	ND	ND	87
BK-17	.1	2.96	ND	ND	99	ND	.86	.1	16	43	71	4.29	.13	.80	389	1	.01	28	.08	6	ND	ND	ND	ND	60	ND	5	79
BK-18	.1	3.50	ND	ND	212	ND	1.38	.8	16	36	81	3.99	.13	.78	480	1	.01	30	.05	8	ND	ND	ND	ND	82	ND	ND	79
BK-19	.1	3.14	ND	ND	157	ND	.86	.5	16	35	79	3.82	.12	.88	724	1	.01	29	.10	4	ND	ND	ND	ND	59	ND	ND	131
BK-20	.1	2.66	ND	ND	151	ND	3.59	.1	17	43	73	4.17	.12	1.31	484	1	.01	34	.04	6	ND	ND	ND	ND	127	ND	ND	63
BK-21	.1	3.69	ND	ND	136	ND	.96	.3	19	47	75	4.45	.13	1.13	641	1	.01	41	.08	11	ND	ND	ND	ND	65	ND	ND	88
BK-22	.1	3.42	7	ND	110	8	.96	.2	21	50	117	4.83	.13	1.38	511	2	.01	44	.12	7	ND	ND	4	ND	59	ND	6	69
BK-23	.1	3.48	ND	ND	162	3	1.64	.4	18	44	48	4.12	.13	.93	496	1	.01	35	.07	12	ND	ND	3	ND	55	4	ND	77
BK-24	.1	3.84	15	ND	78	6	1.08	.8	28	60	108	6.01	.12	1.97	575	1	.01	65	.08	10	ND	ND	ND	ND	72	ND	ND	77
BK-25	.1	4.57	ND	ND	114	5	2.45	.1	28	111	128	5.70	.14	2.50	883	1	.01	69	.10	5	ND	ND	ND	ND	71	ND	7	88
BK-26	.1	3.00	9	ND	95	ND	2.67	.4	19	63	75	4.15	.13	1.04	507	1	.01	50	.10	7	ND	ND	ND	ND	72	ND	ND	74
BK-27	.1	2.98	ND	ND	83	ND	1.37	.1	17	64	64	4.59	.12	1.01	432	1	.01	38	.07	10	ND	ND	ND	ND	70	ND	ND	73
BK-28	.1	3.75	ND	ND	128	ND	1.67	.6	19	48	73	4.35	.15	1.01	518	1	.01	39	.08	8	ND	ND	ND	ND	72	ND	ND	94
BK-29	.1	2.48	ND	ND	86	ND	6.25	.6	17	40	73	3.91	.08	1.02	532	1	.01	31	.08	10	ND	ND	ND	ND	105	ND	ND	81
BK-30	.1	2.16	ND	ND	157	ND	3.95	.4	14	47	55	4.07	.11	.77	461	1	.01	33	.06	6	ND	ND	ND	ND	82	ND	ND	71
BK-31	.1	1.80	9	ND	176	ND	3.91	.3	13	44	58	3.45	.08	.86	533	1	.01	32	.10	7	ND	ND	ND	ND	120	ND	ND	60
BK-32	.1	4.48	ND	ND	171	ND	1.56	.3	18	33	72	4.05	.11	.98	816	1	.01	31	.08	3	ND	ND	ND	ND	101	ND	ND	108
BK-33	.1	3.66	ND	ND	186	ND	.83	.5	22	53	93	5.70	.13	1.37	556	2	.01	63	.08	6	ND	ND	ND	ND	55	ND	ND	165
BK-34	.1	2.66	11	ND	136	ND	4.27	.5	15	37	65	4.10	.10	.78	477	1	.01	30	.08	5	ND	ND	ND	ND	94	ND	ND	84
BK-35	.1	3.48	7	ND	80	ND	1.12	.5	26	36	85	5.00	.12	.98	929	1	.01	29	.08	11	ND	ND	ND	ND	118	ND	ND	95
BK-36	.1	2.96	ND	ND	129	ND	.97	.2	17	39	82	4.08	.10	.93	583	1	.01	27	.05	10	ND	ND	ND	ND	77	ND	ND	105
BK-37	.1	2.87	4	ND	114	ND	1.04	.4	19	49	104	4.83	.12	.97	702	1	.01	34	.07	14	ND	ND	ND	ND	71	ND	ND	79
BK-38	.1	2.55	ND	ND	220	ND	.51	.1	15	53	53	4.57	.11	.71	444	1	.01	38	.06	9	ND	ND	ND	ND	46	ND	ND	94
BK-39	.1	2.48	4	ND	189	ND	.70	.2	16	51	68	4.55	.11	.70	532	1	.01	34	.07	10	ND	ND	ND	ND	45	ND	ND	71
BK-40	.1	2.51	ND	ND	167	ND	.86	.3	16	52	78	4.75	.11	.75	540	1	.01	36	.11	7	ND	ND	ND	ND	47	ND	ND	66
BK-41	.1	4.28	ND	ND	217	ND	1.12	.1	19	42	168	6.10	.14	.94	578	1	.01	32	.11	5	ND	ND	ND	ND	69	ND	ND	83
BK-42	.1	4.05	11	ND	229	ND	1.50	.4	19	29	167	5.45	.15	.88	663	2	.01	22	.10	5	ND	ND	ND	ND	61	ND	ND	89
BK-43	.1	3.53	ND	ND	165	ND	1.56	.6	20	33	152	5.44	.14	.93	634	1	.01	25	.11	5	ND	ND	ND	ND	63	ND	ND	82
BK-44	.1	4.62	ND	ND	208	ND	1.50	.4	15	31	144	4.45	.12	.76	512	1	.01	24	.07	4	ND	ND	ND	ND	76	ND	ND	85
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPH	AL %	AS PPH	AU PPH	BA PPH	BI PPH	CA %	CD PPH	CO PPH	CR PPH	CU PPH	FE %	K %	M6 %	MN PPH	MO PPH	NA %	NI PPH	P %	PB PPH	PD PPH	PT PPH	SB PPH	SN PPH	SR PPH	U PPH	W PPH	ZN PPH
BK-45	.1	2.54	9	ND	231	ND	.93	.4	20	63	104	5.49	.10	.85	821	1	.01	41	.10	12	ND	ND	3	ND	56	ND	ND	80
BK-46	.1	4.87	ND	ND	164	ND	2.12	.5	19	22	222	5.14	.13	.98	639	1	.01	21	.06	ND	ND	ND	ND	ND	114	ND	ND	66
BK-47	.1	2.27	ND	ND	283	ND	1.56	.5	17	47	56	4.25	.14	.85	686	1	.01	32	.06	12	ND	ND	4	ND	85	ND	ND	76
BK-48	.1	2.75	ND	ND	272	ND	.41	.1	14	41	36	3.82	.08	.56	430	1	.01	26	.07	6	ND	ND	3	ND	38	ND	ND	110
BK-49	.1	2.40	3	ND	244	4	.52	.5	17	52	49	4.69	.08	.77	565	1	.01	36	.07	10	ND	ND	4	ND	42	ND	ND	75
BK-50	.1	2.61	ND	ND	204	ND	4.79	.4	18	35	77	3.99	.07	1.36	635	ND	.01	49	.10	2	ND	ND	ND	ND	196	ND	ND	70
BK-51	.1	2.09	ND	ND	190	ND	.52	.1	15	45	38	4.12	.08	.75	414	1	.01	31	.06	6	ND	ND	3	ND	43	ND	ND	76
BK-52	.1	2.33	ND	ND	346	ND	.54	.5	11	30	27	2.79	.07	.52	1010	1	.01	22	.14	12	ND	ND	ND	ND	53	4	ND	195
BK-53	.1	2.11	9	ND	233	ND	.60	.3	17	50	46	4.25	.11	.75	760	1	.01	40	.08	16	ND	ND	6	ND	51	4	ND	96
BK-54	.1	2.38	4	ND	227	ND	.34	.3	13	37	27	3.29	.07	.54	530	1	.01	21	.05	8	ND	ND	ND	ND	36	ND	ND	109
BK-55	.1	2.37	12	ND	203	ND	.56	.1	17	52	58	4.37	.13	.78	567	ND	.01	40	.06	8	ND	ND	3	ND	51	5	ND	80
BK-56	.1	1.72	5	ND	254	ND	2.52	.1	18	59	52	4.00	.07	1.06	785	ND	.01	49	.11	6	ND	ND	ND	ND	111	ND	ND	72
BK-57	.1	1.54	12	ND	246	ND	.59	.1	16	49	53	4.12	.04	.80	797	ND	.01	45	.10	5	ND	ND	ND	ND	57	ND	ND	68
BK-58	.1	2.25	9	ND	208	ND	.50	.3	17	70	70	4.85	.05	.89	623	ND	.01	57	.06	4	ND	ND	3	ND	52	ND	ND	69
BK-59	.1	2.41	8	ND	209	ND	.54	.2	18	63	55	4.75	.07	.85	637	ND	.01	47	.07	5	ND	ND	ND	ND	55	ND	ND	81
BK-60	.1	2.47	3	ND	275	ND	.76	.5	17	52	49	4.37	.07	.77	895	ND	.01	38	.07	6	ND	ND	ND	ND	59	ND	ND	106
BK-61	.1	3.22	ND	ND	447	ND	.59	1.1	19	32	31	3.89	.15	1.02	1921	1	.01	26	.07	6	ND	ND	ND	ND	76	ND	ND	144
BK-62	.1	2.74	25	ND	198	ND	.51	.3	19	53	53	4.25	.08	1.08	538	ND	.01	47	.13	3	ND	ND	4	ND	53	ND	ND	81
BK-63	.1	3.25	ND	ND	316	ND	.38	.5	15	51	32	3.60	.05	.73	611	1	.01	45	.12	7	ND	ND	4	ND	44	ND	ND	128
BK-64	.1	2.16	ND	ND	238	ND	.32	.1	7	20	34	1.67	.01	.32	214	2	.01	75	.22	7	ND	ND	ND	ND	28	4	ND	85
BK-65	.1	3.27	24	ND	273	ND	.65	.8	23	46	57	3.83	.17	.77	962	1	.01	39	.07	10	ND	ND	7	ND	67	ND	ND	142
BK-66	.1	1.68	ND	ND	163	ND	.29	.3	9	25	22	2.24	.03	.40	423	ND	.01	21	.03	4	ND	ND	ND	ND	43	ND	ND	127
BK-67	.1	2.41	5	ND	234	ND	.30	.1	11	29	25	2.70	.02	.48	392	1	.01	27	.07	6	ND	ND	ND	ND	53	ND	ND	134
BK-68	.1	2.33	4	ND	215	ND	.32	.4	13	41	24	3.25	.03	.63	749	ND	.01	26	.06	3	ND	ND	3	ND	41	ND	ND	118
BK-69	.1	2.54	ND	ND	191	ND	.44	.1	15	46	35	3.79	.08	.63	453	ND	.01	36	.07	7	ND	ND	ND	ND	42	ND	ND	93
BK-70	.1	1.66	ND	ND	156	ND	.36	.1	14	45	25	3.25	.03	.54	493	1	.01	28	.02	7	ND	ND	ND	1	48	ND	ND	67
BK-71	.1	2.50	ND	ND	322	ND	.40	.1	13	43	26	3.18	.07	.56	751	ND	.01	31	.17	6	ND	ND	ND	ND	62	ND	ND	131
BK-72	.1	1.95	ND	ND	229	ND	.46	.4	14	44	31	3.32	.08	.55	926	ND	.01	29	.08	ND	ND	ND	ND	ND	62	ND	ND	118
BK-73	.1	2.41	ND	ND	246	ND	.35	.1	12	43	29	3.34	.07	.53	531	ND	.01	30	.08	5	ND	ND	ND	ND	45	ND	3	141
BK-74	.1	2.00	10	ND	226	ND	.52	.5	14	51	33	3.54	.04	.55	629	1	.01	36	.13	7	ND	ND	ND	ND	52	ND	ND	97
BK-75	.1	2.08	22	ND	158	ND	.35	.1	16	65	39	4.20	.06	.72	444	ND	.01	46	.08	5	ND	ND	3	ND	39	ND	ND	78
BK-76	.1	1.87	8	ND	147	ND	.40	.1	16	56	31	3.84	.04	.61	398	ND	.01	37	.10	3	ND	ND	ND	ND	42	ND	ND	85
BK-77	.1	1.95	16	ND	176	ND	.44	.2	16	63	40	4.10	.08	.68	588	ND	.01	42	.08	9	ND	ND	ND	ND	50	ND	ND	93
BK-78	.1	1.82	12	ND	153	3	.34	.1	16	53	32	3.90	.05	.61	446	1	.01	40	.08	8	ND	ND	3	ND	40	ND	7	82
BK-79	.1	2.09	15	ND	183	ND	.40	.3	16	59	37	4.17	.06	.68	454	ND	.01	40	.07	7	ND	ND	ND	ND	45	ND	ND	81
BK-80	.1	1.77	21	ND	204	ND	.50	.2	16	59	46	4.39	.06	.71	556	ND	.01	42	.14	6	ND	ND	3	ND	62	ND	ND	74
BK-81	.1	1.27	17	ND	174	ND	.72	.1	15	55	33	3.62	.06	.75	626	1	.01	38	.10	13	ND	ND	4	1	63	ND	3	70
BK-82	.1	1.18	26	ND	222	ND	3.69	.3	15	39	45	3.20	.06	.91	612	ND	.01	36	.11	6	ND	ND	ND	ND	279	ND	ND	61
BK-83	.1	2.17	ND	ND	223	ND	.76	.6	8	27	42	2.34	.07	.81	404	ND	.01	22	.08	6	ND	ND	ND	ND	170	5	3	106
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPH	AL %	AS PPH	AU PPH	BA PPH	BI PPH	CA %	CD PPH	CO PPH	CR PPH	CU PPH	FE %	K %	MG %	MN PPH	MO PPH	NA %	NI PPH	P %	PB PPH	PD PPH	PT PPH	SB PPH	SH PPH	SR PPH	U PPH	W PPH	ZN PPH
BK-84	.1	1.54	ND	ND	143	ND	1.83	.1	7	39	25	2.62	.08	.77	223	1	.01	20	.08	10	ND	ND	ND	1	265	ND	ND	63
BK-85	.1	2.42	ND	ND	193	ND	.48	.1	11	38	45	2.91	.12	.93	307	2	.01	30	.03	20	ND	ND	ND	1	130	ND	ND	72
BK-86	.1	2.18	ND	ND	185	ND	.40	.1	13	47	32	3.30	.14	.66	410	2	.01	32	.05	19	ND	ND	ND	2	61	ND	ND	75
BK-87	.1	2.16	3	ND	179	ND	.41	.1	16	54	34	3.84	.14	.60	528	2	.01	38	.08	18	ND	ND	ND	3	47	ND	ND	84
BK-88	.1	2.68	ND	ND	267	ND	.45	.1	13	37	44	3.04	.11	.76	525	3	.01	33	.06	18	ND	ND	ND	1	121	ND	ND	86
BK-89	.1	2.36	ND	3	615	5	3.60	.1	25	49	42	5.08	.22	2.84	691	2	.01	39	.20	14	ND	ND	ND	9	227	ND	ND	87
BK-90	.1	1.91	10	ND	187	ND	.41	.1	12	45	36	3.64	.16	.63	412	2	.01	33	.08	17	ND	ND	ND	3	47	6	ND	71
BK-91	.1	1.92	3	ND	218	ND	.32	.1	13	43	39	3.72	.15	.56	487	2	.01	37	.06	18	ND	ND	3	2	48	4	ND	67
BK-92	.1	1.93	5	ND	186	ND	.54	.1	13	41	33	3.29	.14	.97	598	2	.01	32	.07	16	ND	ND	ND	2	95	ND	ND	72
BK-93	.1	2.47	20	ND	181	ND	.41	.1	17	64	33	4.10	.13	.79	796	2	.01	44	.10	20	ND	ND	4	1	105	ND	ND	82
BK-94	.1	1.54	ND	ND	199	ND	.27	.1	12	45	24	2.75	.12	.46	574	1	.01	27	.06	17	ND	ND	ND	2	55	8	ND	76
BK-95	.1	1.60	9	ND	140	ND	.40	.1	14	87	37	3.66	.15	.66	570	2	.01	46	.08	21	ND	ND	3	3	48	ND	ND	1606
BK-96	.1	1.72	5	ND	193	ND	.39	.1	13	60	32	3.35	.14	.54	652	2	.01	36	.08	17	ND	ND	ND	2	40	6	ND	105
BK-97	.1	1.91	7	ND	154	ND	.34	.1	14	50	29	3.33	.14	.59	575	2	.01	34	.05	19	ND	ND	ND	3	57	3	ND	64
BK-98	.1	1.87	13	ND	145	ND	.39	.1	14	62	37	3.67	.14	.59	511	2	.01	41	.08	20	ND	ND	ND	2	41	3	ND	69
BK-99	.1	2.13	13	ND	205	ND	.38	.1	16	66	32	3.72	.13	.75	621	2	.01	42	.08	20	ND	ND	ND	3	56	ND	ND	86
BK-100	.1	1.39	8	ND	135	ND	.45	.1	14	79	37	3.58	.12	.83	553	2	.01	50	.10	13	ND	ND	ND	2	88	ND	ND	57
BK-101	.1	2.25	ND	ND	167	ND	.34	.1	14	63	25	3.27	.15	.56	466	2	.01	35	.07	18	ND	ND	3	3	67	9	ND	68
BK-102	.1	2.83	5	ND	119	ND	.56	.1	19	65	50	4.19	.16	.91	746	2	.01	45	.13	20	ND	ND	ND	2	67	6	ND	68
BK-103	.1	1.75	ND	ND	94	ND	.44	.1	10	59	26	3.12	.08	.94	277	2	.01	30	.04	11	ND	ND	ND	3	152	ND	ND	50
BK-104	.1	1.63	7	ND	215	ND	2.08	.1	13	55	44	3.20	.14	1.04	541	1	.01	50	.11	13	ND	ND	ND	ND	221	ND	ND	60
BK-105	.1	2.62	ND	ND	236	ND	1.13	.1	14	54	33	3.59	.17	1.04	417	2	.01	39	.03	15	ND	ND	ND	2	126	ND	ND	64
BKS-01	.1	2.09	ND	ND	198	ND	.44	.1	14	36	38	4.32	.08	.61	756	2	.01	29	.04	11	ND	ND	9	ND	41	ND	ND	99
BKS-02	.1	1.97	ND	ND	308	ND	.58	.1	14	33	32	3.18	.11	.52	1143	2	.01	26	.07	17	ND	ND	ND	1	48	ND	ND	107
BKS-03	.1	1.97	ND	ND	177	ND	.39	.1	14	38	39	4.12	.11	.48	634	2	.01	27	.06	18	ND	ND	8	ND	35	ND	ND	88
BKS-04	.1	2.36	3	ND	159	ND	.52	.1	18	50	64	5.25	.12	.70	750	2	.01	36	.04	10	ND	ND	21	ND	42	ND	ND	93
BKS-05	.1	1.77	ND	ND	148	ND	.41	.1	11	29	23	2.50	.07	.44	696	2	.01	20	.02	13	ND	ND	ND	1	36	ND	ND	79
BKS-06	.1	1.62	5	ND	251	ND	3.04	.1	13	42	57	3.84	.11	.80	662	1	.01	37	.08	7	ND	ND	ND	1	126	ND	ND	56
BKS-07	.1	1.77	3	ND	203	ND	.43	.1	15	53	41	4.30	.08	.69	670	2	.01	36	.07	14	ND	ND	ND	3	43	ND	ND	71
BKS-08	1.3	2.27	ND	5	216	ND	.55	.1	14	37	36	3.37	.08	.55	832	2	.01	27	.08	10	ND	ND	ND	1	47	ND	ND	98
BKS-09	.1	2.02	ND	ND	124	ND	.50	.1	16	47	31	3.69	.07	.83	682	2	.01	30	.02	16	ND	ND	ND	1	52	ND	ND	59
BKS-10	.1	1.97	ND	ND	164	ND	.46	.1	9	25	26	2.29	.04	.56	807	2	.01	20	.03	12	ND	ND	ND	1	55	ND	ND	74
BKS-11	.1	1.62	ND	ND	197	ND	1.47	.1	13	35	34	3.25	.08	.58	702	1	.01	27	.05	7	ND	ND	ND	1	76	ND	ND	68
BKS-12	.1	2.41	ND	ND	186	ND	3.50	.1	18	43	75	4.12	.11	1.28	766	1	.01	40	.08	8	ND	ND	ND	ND	119	ND	ND	66
BKS-13	.1	1.62	ND	ND	212	ND	6.88	.1	6	19	49	1.95	.01	2.08	436	1	.01	20	.11	3	ND	ND	ND	ND	461	ND	ND	79
BKS-14	.1	2.25	ND	ND	160	ND	.69	.1	16	39	53	4.00	.07	.68	693	1	.01	28	.05	7	ND	ND	ND	ND	53	ND	ND	62
BKS-15	.1	1.50	ND	ND	230	ND	6.80	.1	14	27	61	3.59	.05	1.01	736	1	.01	19	.08	6	ND	ND	ND	ND	194	ND	ND	54
BKS-16	.1	2.07	ND	ND	177	ND	.69	.1	16	41	56	4.33	.08	.75	773	1	.01	29	.08	10	ND	ND	ND	ND	48	ND	ND	80
BKS-17	.1	1.76	ND	ND	133	ND	1.95	.1	11	31	46	2.79	.06	.70	708	1	.01	21	.06	5	ND	ND	ND	ND	94	ND	ND	73
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
DKS-18	.1	2.25	7	ND	124	ND	4.14	.1	14	43	59	3.59	.03	1.00	495	1	.01	25	.04	4	ND	ND	ND	ND	197	ND	ND	52
DKS-19	.1	1.41	ND	ND	155	ND	11.07	.1	8	25	81	2.37	.01	1.08	390	ND	.01	18	.08	ND	ND	ND	ND	ND	361	ND	ND	41
DKS-20	.1	4.58	ND	ND	132	ND	1.29	.3	23	29	137	5.42	.08	1.33	1161	2	.01	21	.05	ND	ND	ND	ND	ND	110	ND	ND	67
DKS-21	.1	3.02	ND	ND	211	ND	.81	.4	16	35	44	4.05	.07	.91	961	ND	.01	22	.06	1	ND	ND	ND	ND	91	ND	ND	101
DKS-22	.1	3.95	ND	ND	221	ND	1.03	.3	23	42	95	6.15	.13	1.54	902	1	.01	30	.11	1	ND	ND	ND	ND	91	ND	ND	97
DKS-23	.1	3.25	ND	ND	318	ND	.56	.4	13	24	35	2.87	.03	.59	900	1	.01	21	.29	3	ND	ND	ND	ND	56	ND	ND	127
DKS-24	.1	1.77	ND	ND	210	ND	12.78	.1	12	32	62	2.86	.01	1.70	600	ND	.01	32	.11	6	ND	ND	ND	ND	260	ND	ND	49
DKS-25	.1	3.13	4	ND	221	ND	.71	.3	20	46	49	5.62	.12	1.33	677	1	.01	29	.08	3	ND	ND	ND	ND	42	ND	ND	82
DKS-26	.1	1.95	ND	ND	125	ND	10.71	.1	9	23	49	3.20	.01	1.82	426	ND	.01	11	.04	1	ND	ND	ND	ND	251	ND	6	40
DKS-27	.1	2.25	14	ND	144	ND	1.02	.5	24	33	97	7.99	.15	.68	1039	1	.01	27	.04	7	ND	ND	5	ND	74	ND	ND	113
DKS-28	.1	2.45	4	ND	231	3	.71	.5	15	35	38	4.37	.11	.60	747	1	.01	23	.07	9	ND	ND	ND	ND	38	ND	ND	145
DKS-29	.1	.61	7	ND	182	ND	17.32	.1	5	12	45	1.68	.01	1.21	268	1	.01	14	.05	8	ND	ND	ND	ND	253	ND	ND	31
DKS-30	.1	1.39	ND	ND	155	ND	10.13	.1	9	31	91	2.81	.01	1.21	462	ND	.01	29	.08	ND	ND	ND	ND	ND	242	ND	ND	36
DKS-31	.1	2.66	ND	ND	157	ND	.68	.2	17	53	68	4.73	.07	.93	602	1	.01	38	.04	5	ND	ND	ND	ND	52	ND	ND	68
DKS-32	.1	1.76	3	ND	150	ND	1.23	.3	14	53	36	3.40	.08	.70	479	1	.01	31	.05	9	ND	ND	ND	ND	63	ND	ND	65
DKS-33	.1	2.74	4	ND	201	3	.66	.3	21	46	56	4.75	.11	1.11	718	1	.01	41	.04	6	ND	ND	ND	ND	84	ND	ND	60
DKS-34	.1	2.11	11	ND	233	ND	.58	.1	16	49	50	4.15	.10	.66	613	1	.01	36	.06	7	ND	ND	3	ND	45	3	ND	80
DKS-35	.1	2.34	ND	ND	141	ND	2.81	.1	18	38	62	4.20	.12	.77	835	1	.01	28	.05	2	ND	ND	ND	ND	49	ND	ND	117
DKS-36	.1	2.12	9	ND	197	ND	.70	.5	18	56	78	4.76	.08	.75	774	1	.01	40	.07	8	ND	ND	ND	ND	38	ND	ND	124
DKS-37	.1	2.50	ND	ND	193	ND	5.97	.8	26	36	173	5.66	.03	1.56	1319	ND	.01	32	.07	ND	ND	ND	ND	ND	86	ND	ND	199
DKS-38	.1	4.34	ND	ND	151	ND	3.04	.3	33	44	110	7.50	.11	2.22	2177	ND	.01	31	.08	ND	ND	ND	ND	ND	42	ND	ND	180
DKS-39	.1	3.22	ND	ND	1179	ND	.83	.6	19	24	132	7.91	.15	.85	2305	4	.01	22	.06	10	ND	ND	ND	ND	67	ND	ND	220
DKS-40	.1	3.41	ND	ND	214	ND	1.22	.6	21	51	65	5.26	.12	1.04	1106	1	.01	31	.06	1	ND	ND	ND	ND	47	ND	ND	181
DKS-41	.1	2.50	ND	ND	129	ND	10.01	.1	13	34	53	3.20	.01	.89	549	ND	.01	20	.05	1	ND	ND	ND	ND	67	ND	ND	52
DKS-42	.1	2.50	3	ND	187	ND	.60	.1	17	45	59	4.20	.08	.80	659	1	.01	29	.07	9	ND	ND	ND	ND	70	ND	ND	130
DKS-43	.1	3.70	ND	ND	196	ND	.88	.3	22	37	137	5.25	.13	1.16	971	1	.01	25	.10	2	ND	ND	ND	ND	274	ND	ND	94
DKS-44	.1	2.95	ND	ND	240	ND	.55	.2	16	47	67	5.00	.07	1.03	624	ND	.01	28	.08	ND	ND	ND	ND	ND	127	ND	ND	81
DKS-45	.1	2.45	ND	ND	170	ND	.48	.1	13	32	42	3.70	.06	.68	708	1	.01	18	.06	4	ND	ND	ND	ND	63	ND	ND	87
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SM PPM	SR PPM	U PPM	W PPM	ZN PPM
PK-16	.1	.13	ND	ND	14	ND	11.35	.1	10	52	209	2.41	.01	7.01	1049	ND	.01	62	.01	7	ND	ND	ND	ND	345	ND	ND	201
PK-22	.1	.11	ND	ND	25	ND	18.61	.1	8	9	31	3.42	.01	10.33	976	ND	.01	16	.02	ND	ND	ND	ND	ND	110	ND	ND	63
PK-26	.1	.53	8	ND	60	ND	6.94	.1	10	22	51	3.83	.03	3.04	880	1	.01	17	.08	3	ND	ND	ND	ND	113	ND	ND	62
PK-29	.1	.79	8	ND	59	ND	4.45	.1	15	18	99	4.35	.11	.60	751	1	.01	19	.10	1	ND	ND	ND	ND	79	ND	3	77
PK-32A	.1	2.47	ND	ND	225	ND	4.65	.1	12	9	40	3.22	.07	1.77	708	1	.01	7	.08	2	ND	ND	ND	2	114	ND	ND	63
PK-40A	.1	.81	21	ND	111	ND	5.89	.1	12	17	82	4.75	.11	1.60	802	1	.01	17	.08	2	ND	ND	ND	ND	144	ND	ND	97
PK-44A	.1	.34	ND	ND	172	ND	17.32	.1	25	14	20	3.83	.01	4.05	2435	1	.01	22	.04	11	ND	ND	ND	ND	327	ND	ND	77
PK-48A	.1	.61	13	ND	661	ND	10.55	.1	13	8	49	4.22	.01	4.62	1088	1	.01	15	.04	3	ND	ND	ND	ND	158	ND	ND	63
PK-66	.1	1.12	ND	ND	1606	ND	12.69	.1	11	31	30	2.74	.01	.76	860	4	.01	15	.03	3	ND	ND	ND	ND	225	ND	4	30
PK-68	.1	.86	ND	ND	257	ND	1.75	.1	9	43	39	2.83	.08	.81	474	1	.01	21	.08	3	ND	ND	11	ND	65	ND	6	46
PK-76	.1	.80	ND	ND	948	ND	7.41	.1	21	48	46	4.48	.05	3.13	1070	1	.01	62	.08	5	ND	ND	ND	ND	101	ND	ND	68
PK-78	.1	2.67	5	ND	39	ND	8.17	.1	38	87	134	5.51	.08	1.81	1055	2	.01	174	.14	9	ND	ND	ND	8	74	ND	ND	71
NO NAME	.1	2.09	ND	ND	269	ND	.39	.1	11	29	53	3.99	.12	1.31	437	3	.01	48	.06	14	ND	ND	9	ND	62	ND	ND	43
BK	.1	3.89	ND	ND	25	ND	3.87	.1	32	36	96	5.05	.10	3.00	860	4	.01	46	.11	3	ND	ND	ND	3	56	ND	ND	58
BK-2	.1	2.22	ND	ND	14	ND	8.14	.1	19	49	79	3.85	.02	2.91	1411	2	.01	40	.08	2	ND	ND	ND	ND	100	ND	ND	44
BK-3	.1	4.70	ND	ND	42	9	3.17	.1	39	32	113	6.41	.13	4.34	1058	4	.01	46	.14	7	ND	ND	3	6	54	ND	ND	72
BK-4	.1	2.57	ND	ND	100	ND	17.75	.1	17	70	50	2.86	.01	1.67	633	2	.01	52	.10	8	ND	ND	ND	2	139	ND	ND	43
BK-5	.1	6.41	6	ND	364	ND	6.81	.1	18	49	142	4.50	.07	1.22	885	7	.01	12	.11	11	ND	ND	ND	ND	60	ND	ND	82
BK-6	.1	1.16	ND	ND	246	ND	8.57	.1	18	22	82	6.55	.08	2.12	3009	13	.01	5	.06	10	ND	ND	ND	ND	62	ND	ND	141
BK-7 ?	.1	2.13	ND	ND	166	ND	4.09	.1	19	7	42	6.50	.15	.97	1620	2	.01	5	.10	7	ND	ND	ND	ND	44	ND	ND	100
BK-9	.1	2.61	ND	ND	73	ND	5.19	.1	24	41	75	5.48	.13	2.04	1048	3	.01	19	.06	5	ND	ND	ND	ND	92	ND	ND	65
PL-60	.1	.40	6	ND	372	ND	10.83	.1	15	13	159	6.69	.01	4.19	1942	3	.01	19	.03	8	ND	ND	37	ND	192	ND	ND	117
PL-63	.1	.70	ND	ND	43	ND	8.03	.1	17	51	29	4.62	.05	4.64	1070	1	.01	27	.01	3	ND	ND	3	ND	128	ND	ND	44
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM I B LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH: (604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH: (604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,N6,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED. -- NOT ANALYZED

COMPANY: RAPITAN RESOURCES
ATTENTION:
PROJECT:

REPORT#: PA
JOB#: 870550
INVOICE#: NA

DATE RECEIVED: 87/06/24
DATE COMPLETED: 87/06/30
COPY SENT TO:

ANALYST W. P. DAVIS

Table with columns: SAMPLE NAME, AG, AL, AS, AU, BA, BI, CA, CD, CO, CR, CU, FE, K, MG, MN, MO, NA, NI, F, PR, PD, PT, SB, SN, SR, U, W, ZN. Rows include sample IDs like BK-106 0M, BK-107 50M, etc., and a DETECTION LIMIT row.

OAC-1030
1055-1115

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PR PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BK-147 2050M	.2	1.67	10	ND	152	ND	.38	.1	10	41	25	3.15	.09	.42	439	1	.01	28	.03	7	ND	ND	8	ND	35	6	ND	68
BK-148 2100M	.1	1.80	5	ND	157	ND	.39	.1	10	41	28	3.48	.09	.50	364	ND	.01	28	.05	7	ND	ND	7	ND	39	3	ND	62
BK-149 2150M	.1	2.19	ND	ND	205	ND	.45	.3	12	51	30	3.72	.09	.70	459	ND	.01	32	.04	10	ND	ND	6	ND	57	ND	ND	71
BK-150 2200M	.1	2.07	7	ND	183	ND	.47	.1	11	46	29	3.43	.10	.65	567	ND	.01	29	.06	9	ND	ND	6	ND	56	ND	ND	83
BK-151 2250M	.1	1.62	ND	ND	152	ND	.32	.4	9	36	22	2.61	.09	.49	482	ND	.01	16	.04	8	ND	ND	6	ND	46	4	ND	77
BK-152 2300M	.1	2.02	6	ND	143	ND	.43	.1	12	40	30	3.46	.09	.91	548	ND	.01	30	.04	10	ND	ND	4	ND	65	ND	ND	68
BK-153 2350M	.1	1.91	ND	ND	187	ND	.43	.3	11	35	25	2.90	.07	.60	778	ND	.01	24	.07	5	ND	ND	5	ND	64	ND	ND	85
BK-154 2400M	.1	1.73	ND	ND	149	ND	.40	.2	11	42	30	3.40	.08	.52	463	ND	.01	30	.05	8	ND	ND	7	ND	46	ND	ND	67
BK-160 L6 25W	.1	3.00	ND	ND	125	ND	1.66	.2	19	53	87	4.02	.08	1.53	941	ND	.01	42	.09	4	ND	ND	ND	ND	43	ND	ND	91
BK-161 L6 50W	.1	1.74	ND	ND	152	ND	2.44	.2	14	56	55	3.36	.05	1.12	636	ND	.01	37	.10	9	ND	ND	ND	ND	61	ND	ND	70
BK-162 L6 75W	.1	1.85	ND	ND	132	ND	.67	.1	16	47	41	3.56	.08	.96	821	ND	.01	36	.07	9	ND	ND	4	ND	46	ND	ND	83
BK-163 L6 100W	.2	1.38	ND	ND	93	ND	.99	.2	12	42	34	2.57	.07	.89	455	ND	.01	38	.07	11	ND	ND	ND	ND	50	ND	ND	57
BK-164 L6 125W	.2	1.31	ND	ND	90	ND	.53	.1	12	35	22	2.37	.06	.79	389	ND	.01	38	.06	10	ND	ND	4	ND	42	3	ND	53
BK 164 L6 150W	.1	1.58	ND	ND	120	ND	1.17	.1	14	48	35	3.05	.08	.98	540	ND	.01	42	.06	9	ND	ND	3	ND	66	ND	ND	59
BK 165 L6 175W	.1	1.77	ND	ND	110	ND	.80	.4	14	52	40	3.21	.06	1.01	490	ND	.01	43	.04	8	ND	ND	3	ND	51	ND	ND	60
BK 166 L6 200W	.1	1.78	ND	ND	109	ND	.62	.1	15	55	38	3.25	.10	.94	564	ND	.01	45	.05	6	ND	ND	4	ND	49	ND	ND	61
BL 167 L7 200W	.1	1.65	ND	ND	140	ND	3.42	.2	14	53	49	3.01	.03	1.31	551	ND	.01	48	.08	12	ND	ND	ND	ND	101	ND	ND	64
BL 168 L7 225W	.1	1.41	ND	ND	100	ND	2.85	.1	12	53	35	2.74	.05	1.83	501	ND	.01	42	.07	8	ND	ND	ND	ND	231	ND	ND	55
BL 170 L7 175W	.1	1.97	ND	ND	198	ND	3.12	.1	15	38	53	3.66	.05	1.35	763	ND	.01	30	.06	9	ND	ND	ND	ND	85	ND	ND	68
BL 171 L7 150W	.1	2.24	ND	ND	186	ND	5.25	.2	14	15	81	2.95	.05	.87	905	ND	.01	12	.05	12	ND	ND	ND	ND	84	ND	ND	53
CK-12	.2	2.29	ND	ND	120	ND	1.51	.2	16	54	65	3.86	.07	1.10	504	ND	.01	53	.07	5	ND	ND	ND	ND	63	ND	ND	66
CK-13	.1	2.00	ND	ND	146	ND	1.81	.3	15	50	46	3.51	.09	.98	629	ND	.01	37	.09	14	ND	ND	ND	ND	85	ND	ND	73
CK-14	.1	2.32	ND	ND	119	ND	.89	.2	14	57	59	3.80	.09	.81	538	ND	.01	33	.07	5	ND	ND	3	ND	56	ND	ND	65
CK-15	.1	2.55	5	ND	176	ND	.99	.1	19	68	51	4.69	.07	1.50	485	ND	.01	68	.10	3	ND	ND	ND	ND	118	ND	ND	90
CK-16	.1	3.09	3	ND	115	ND	.68	.1	15	42	49	4.46	.08	.81	359	ND	.01	39	.04	4	ND	ND	ND	ND	59	ND	ND	79
CK-17	.1	2.86	ND	ND	103	ND	.65	.1	13	32	45	3.56	.09	.63	744	ND	.01	23	.05	5	ND	ND	ND	ND	55	3	ND	95
CK-19	.2	3.59	ND	ND	48	ND	1.60	.1	18	35	82	4.42	.04	1.27	560	ND	.01	27	.10	ND	ND	ND	ND	ND	96	ND	ND	84
CK-20	.4	2.25	11	ND	192	ND	.75	.1	11	32	68	4.37	.08	.64	270	ND	.01	25	.07	5	ND	ND	ND	ND	45	ND	ND	97
CK-22	.3	2.48	ND	ND	367	ND	.74	.1	13	44	50	4.01	.06	.69	389	ND	.01	30	.04	7	ND	ND	ND	ND	48	ND	ND	83
CK-23	.1	2.35	ND	ND	215	ND	.47	.2	11	33	22	2.97	.09	.47	489	ND	.01	16	.04	5	ND	ND	4	ND	39	ND	ND	80
CK-24	.2	2.12	ND	ND	144	ND	.46	.1	13	62	30	3.40	.07	.67	438	ND	.01	33	.05	9	ND	ND	3	ND	47	ND	ND	68
CK-25	.4	2.00	ND	ND	93	ND	.52	.1	12	56	31	3.47	.08	.65	299	ND	.01	31	.04	3	ND	ND	5	ND	42	5	ND	57
CK-26	.2	2.21	ND	ND	116	ND	.58	.2	13	53	40	3.50	.10	.68	512	ND	.01	36	.07	7	ND	ND	3	ND	48	3	ND	76
CK-27	.1	1.67	9	ND	118	3	.90	.1	13	57	46	3.39	.05	.76	483	ND	.01	36	.11	8	ND	ND	4	ND	54	ND	ND	62
CK-28	.2	1.94	ND	ND	122	ND	.59	.3	12	53	32	3.24	.07	.57	483	ND	.01	33	.05	6	ND	ND	4	ND	42	4	ND	74
CK-29	.2	2.35	ND	ND	144	ND	.54	.1	12	40	31	3.27	.09	.52	512	ND	.01	27	.07	7	ND	ND	ND	ND	40	ND	ND	93
CK-30	.2	2.13	ND	ND	75	ND	.73	.1	13	48	46	3.46	.06	.66	438	ND	.01	30	.05	5	ND	ND	3	ND	40	ND	ND	59
CK-31	.1	1.85	ND	ND	87	ND	3.83	.1	11	33	43	2.76	.01	.82	535	ND	.01	26	.07	13	ND	ND	ND	ND	143	ND	ND	64
CK-32	.1	1.60	ND	ND	71	ND	.47	.1	10	24	16	2.25	.06	.50	420	ND	.01	15	.03	10	ND	ND	5	ND	36	ND	ND	67
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	LA %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CK-33	.1	3.05	ND	ND	88	ND	1.18	.4	17	43	70	4.51	.08	.89	583	ND	.01	29	.06	10	ND	ND	ND	ND	61	ND	ND	80
CK-34	.1	3.17	3	ND	92	ND	.88	.1	18	56	57	4.86	.09	.92	545	ND	.01	35	.06	9	ND	ND	ND	ND	59	ND	ND	72
CK-35	.4	2.80	ND	ND	70	ND	.99	.1	17	39	35	3.88	.12	.76	481	ND	.01	19	.04	12	ND	ND	ND	ND	46	3	ND	79
CK-36	.1	3.50	ND	ND	115	ND	1.28	.2	24	69	85	5.38	.09	1.64	771	ND	.01	59	.13	5	ND	ND	ND	ND	68	ND	8	88
CK-37	.1	4.03	ND	ND	131	ND	1.06	.3	19	66	88	5.53	.10	1.19	602	ND	.01	45	.08	6	ND	ND	ND	ND	62	ND	ND	93
CK-38	.6	3.05	ND	ND	79	3	1.17	.3	19	51	55	4.63	.08	.95	485	ND	.01	31	.06	9	ND	ND	ND	ND	67	4	ND	78
CK-39	.1	2.42	6	ND	101	ND	3.44	.2	20	57	69	4.49	.04	1.56	760	ND	.01	38	.11	10	ND	ND	ND	ND	128	ND	ND	72
CK-40	.2	2.93	ND	ND	86	4	1.19	.3	20	55	84	4.86	.08	1.08	657	1	.01	37	.07	9	ND	ND	ND	ND	59	ND	ND	74
CK-41	.3	4.03	ND	ND	98	4	1.05	.1	17	36	45	4.14	.13	.79	656	ND	.01	29	.11	9	ND	ND	ND	ND	63	5	ND	122
CK-42	.5	2.69	6	ND	60	3	1.44	.2	19	47	90	4.89	.06	1.12	565	ND	.01	28	.06	8	ND	ND	ND	ND	78	ND	ND	69
CK-43	.1	4.32	ND	ND	268	ND	1.22	.1	18	34	46	4.52	.10	1.03	817	ND	.01	24	.09	2	ND	ND	ND	ND	103	ND	ND	111
CK-44	.3	4.08	ND	ND	83	ND	1.19	.3	17	46	82	5.03	.05	.99	371	ND	.01	36	.08	4	ND	ND	ND	ND	84	ND	ND	77
CK-45	.2	3.75	ND	ND	187	4	1.08	.4	19	44	54	4.60	.08	.95	564	ND	.01	29	.08	4	ND	ND	ND	ND	76	ND	ND	80
CK-46	.1	4.74	ND	ND	131	4	1.86	.1	27	41	75	5.28	.05	2.25	806	ND	.01	25	.04	ND	ND	ND	ND	ND	155	ND	ND	74
CK-47	.2	3.76	ND	ND	106	ND	1.50	.3	20	43	111	5.30	.07	1.22	520	ND	.01	33	.12	6	ND	ND	ND	ND	94	ND	ND	69
CK-48	.2	3.00	ND	ND	115	ND	.84	.2	16	36	44	3.75	.06	.79	611	ND	.01	25	.04	12	ND	ND	ND	ND	95	ND	ND	77
CK-49	.4	3.54	ND	ND	89	ND	1.12	.1	19	52	54	5.30	.08	.91	432	1	.01	30	.11	6	ND	ND	ND	ND	64	ND	ND	77
CK-50	.2	3.50	ND	ND	152	ND	.94	.3	17	42	46	4.47	.10	.76	710	ND	.01	28	.08	10	ND	ND	ND	ND	72	ND	ND	95
CK-52	.1	3.88	ND	ND	139	ND	1.32	.5	21	43	113	4.95	.10	1.11	1358	1	.01	35	.13	11	ND	ND	ND	ND	72	ND	ND	143
CK-53	.1	3.96	ND	ND	176	3	.80	.5	15	31	42	3.58	.09	.72	1252	ND	.01	29	.11	11	ND	ND	ND	ND	56	ND	ND	147
CK-54	.2	2.74	ND	ND	85	ND	1.97	.1	19	45	88	4.59	.07	1.08	601	ND	.01	38	.11	8	ND	ND	ND	ND	72	ND	ND	68
CK-55	.1	2.46	ND	3	74	ND	6.41	.3	17	34	94	3.89	.01	1.14	647	ND	.01	26	.11	6	ND	ND	ND	ND	93	ND	ND	65
CK-56	.1	3.11	ND	ND	83	ND	2.64	.1	20	40	103	4.75	.06	1.34	645	ND	.01	32	.12	6	ND	ND	ND	ND	76	ND	ND	74
CK-57A	.2	3.51	ND	ND	160	4	.83	.3	16	34	40	3.99	.10	.73	575	ND	.01	29	.12	10	ND	ND	ND	ND	68	3	ND	104
CK-57B	.4	4.10	ND	ND	111	ND	1.05	.4	20	47	52	4.90	.12	.93	432	ND	.01	36	.11	7	ND	ND	ND	ND	61	ND	ND	87
CK-58	.3	3.70	ND	ND	80	4	1.21	.1	21	49	74	5.06	.10	1.14	559	1	.01	37	.07	10	ND	ND	ND	ND	58	ND	ND	86
CK-59	.5	3.12	4	ND	79	ND	1.28	.1	20	46	76	4.78	.09	1.07	592	1	.01	32	.07	6	ND	ND	ND	ND	55	ND	ND	75
CK-60	.4	3.69	ND	ND	67	7	1.55	.1	20	41	109	5.12	.07	1.25	464	ND	.01	34	.09	5	ND	ND	ND	ND	55	ND	ND	66
CK-61	.3	3.42	ND	ND	55	4	1.64	.4	21	41	124	5.21	.06	1.24	519	ND	.01	31	.12	9	ND	ND	ND	ND	62	ND	ND	72
CK-62	.4	3.95	ND	ND	94	ND	1.21	.2	19	41	79	4.70	.12	1.01	577	1	.01	33	.07	8	ND	ND	ND	ND	55	ND	ND	88
CK-63	.1	2.74	ND	3	97	ND	6.29	.2	18	37	161	3.98	.01	1.37	645	ND	.01	30	.10	6	ND	ND	ND	ND	96	ND	ND	61
CK-64	.3	3.01	ND	ND	148	5	1.00	.6	16	36	45	4.00	.12	1.01	961	1	.01	29	.05	16	ND	ND	3	ND	64	5	ND	101
CK-65	.1	2.99	ND	ND	192	ND	1.07	.3	16	34	42	3.90	.12	.82	1398	ND	.01	28	.07	14	ND	ND	ND	ND	70	ND	ND	121
CK-67	.3	3.48	ND	ND	114	ND	.90	.2	20	47	45	4.75	.18	.98	664	ND	.01	34	.06	12	ND	ND	ND	ND	60	3	ND	88
CK-69	.4	3.85	ND	ND	196	5	.93	.2	18	40	43	4.31	.15	.86	892	ND	.01	24	.08	9	ND	ND	ND	ND	70	3	ND	99
CK-70	.4	3.30	ND	ND	100	ND	1.04	.2	16	41	54	4.77	.13	.91	440	ND	.01	27	.09	9	ND	ND	ND	ND	67	6	4	75
CK-71	.2	3.92	ND	ND	194	3	1.13	.3	19	46	67	5.68	.10	1.03	794	ND	.01	36	.07	9	ND	ND	ND	ND	64	ND	ND	85
CK-73	.1	3.48	ND	ND	145	3	1.20	.3	19	39	73	4.96	.07	1.07	721	1	.01	32	.07	12	ND	ND	ND	ND	70	ND	ND	77
CK-74	.3	3.36	ND	ND	137	ND	.92	.3	16	36	41	4.32	.14	.76	778	ND	.01	26	.07	9	ND	ND	ND	ND	59	3	ND	87
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CK-76	.2	3.31	ND	ND	99	ND	.95	.2	18	42	67	4.58	.04	1.28	546	1	.01	26	.02	6	ND	ND	ND	ND	70	ND	ND	73
CK-78	.1	2.94	ND	ND	108	3	1.11	.1	17	41	65	4.47	.06	.91	608	ND	.01	27	.05	5	ND	ND	3	ND	60	ND	ND	69
CK-79	.4	3.26	ND	ND	98	4	1.12	.1	16	44	67	4.85	.08	.91	416	ND	.01	28	.08	2	ND	ND	ND	ND	66	ND	ND	70
CK-80	.1	2.57	ND	ND	150	ND	6.13	.1	11	27	63	3.08	.01	2.16	575	ND	.01	19	.09	10	ND	ND	ND	ND	379	ND	ND	75
CK-81	.1	3.42	7	ND	165	5	1.36	.1	18	39	66	4.78	.09	.87	605	ND	.01	26	.07	4	ND	ND	ND	ND	85	ND	ND	73
CK-82	.3	3.84	ND	ND	206	5	1.11	.1	18	38	56	4.98	.12	.84	662	ND	.01	25	.05	4	ND	ND	ND	ND	66	ND	ND	83
CK-83	.1	3.73	ND	ND	152	ND	1.11	.1	18	35	89	5.46	.08	.94	638	ND	.01	26	.04	7	ND	ND	ND	ND	90	ND	ND	88
CK-84	.2	4.29	21	ND	122	ND	1.08	.1	18	45	115	5.93	.06	.99	512	1	.01	28	.07	ND	ND	ND	ND	ND	95	ND	ND	92
CK-86	.1	4.04	ND	ND	134	6	1.12	.3	19	46	84	5.47	.07	.99	482	1	.01	32	.09	3	ND	ND	ND	ND	69	ND	ND	86
CK-87	.2	3.95	4	ND	131	4	1.15	.2	21	41	66	5.27	.10	.99	760	1	.01	33	.10	7	ND	ND	3	ND	71	ND	ND	99
CK-88	.3	3.79	20	ND	106	ND	.85	.1	17	36	47	4.54	.11	.78	686	ND	.01	27	.05	5	ND	ND	ND	ND	73	ND	ND	114
CK-89	.1	3.74	19	ND	88	4	1.02	.1	20	35	69	5.21	.11	.93	798	ND	.01	26	.07	6	ND	ND	4	ND	73	ND	ND	93
CK-90	.1	3.88	6	ND	130	3	1.06	.1	21	48	81	5.65	.08	1.07	615	ND	.01	40	.10	3	ND	ND	ND	ND	84	ND	ND	84
CK-91	.5	3.63	ND	ND	120	4	.97	.1	20	40	51	4.94	.10	.95	475	ND	.01	29	.06	5	ND	ND	ND	ND	83	ND	ND	85
CK-92	.3	3.01	14	ND	97	3	.75	.1	16	30	31	4.37	.10	.71	358	ND	.01	18	.04	9	ND	ND	10	ND	77	3	ND	66
CK-93	.1	3.65	ND	ND	182	ND	.82	.1	15	31	35	4.01	.12	.93	814	1	.01	18	.04	7	ND	ND	ND	ND	91	ND	ND	84
CK-95	.1	3.52	ND	ND	292	ND	.87	.2	16	25	38	4.14	.15	.68	1533	ND	.01	18	.09	8	ND	ND	14	ND	86	ND	ND	134
CK-97	.3	3.28	ND	ND	133	8	1.31	.3	19	38	71	5.01	.09	1.00	696	1	.01	29	.09	4	ND	ND	ND	ND	69	ND	ND	78
CK-98	.1	5.02	ND	ND	306	6	.83	.1	19	33	51	4.52	.10	1.07	972	1	.01	31	.14	3	ND	ND	ND	ND	80	ND	ND	170
CK-99	.4	2.53	196	ND	175	ND	1.48	.1	27	29	129	9.05	.12	.80	986	3	.01	41	.07	14	ND	ND	5	ND	60	ND	ND	155
CK-100	.1	3.50	15	ND	363	ND	1.01	.1	19	36	72	5.27	.11	.91	864	ND	.01	50	.07	6	ND	ND	ND	ND	87	ND	ND	123
CK-101	.1	3.96	15	ND	200	3	1.04	.2	23	56	81	6.03	.12	1.22	752	ND	.01	61	.07	4	ND	ND	ND	ND	108	ND	ND	126
CK-102	.1	3.33	ND	ND	357	3	.99	.5	18	37	49	4.15	.10	.82	2083	ND	.01	32	.08	7	ND	ND	ND	ND	85	ND	ND	149
CK-104	.1	2.81	ND	ND	183	ND	.72	.1	14	29	37	3.34	.08	.67	1242	1	.01	19	.03	12	ND	ND	ND	ND	80	ND	ND	71
CK-105	.1	5.97	ND	ND	165	5	2.29	.1	35	21	55	6.46	.01	3.76	1079	ND	.01	19	.05	19	ND	ND	ND	ND	212	ND	3	93
CK-106	.1	3.41	ND	ND	233	3	.88	.1	16	29	33	3.71	.12	.72	1612	ND	.01	24	.06	12	ND	ND	ND	ND	68	ND	ND	130
CK-107	.1	2.70	ND	ND	95	ND	6.75	.1	18	33	82	4.22	.01	1.37	692	ND	.01	25	.09	11	ND	ND	ND	ND	219	ND	ND	58
CK-108	.4	4.24	ND	ND	130	ND	1.43	.1	22	55	116	6.00	.09	1.32	685	1	.01	42	.10	5	ND	ND	ND	ND	80	ND	ND	89
CK-109	.1	4.15	ND	ND	206	4	.96	.4	20	53	64	5.35	.09	1.09	740	1	.01	32	.07	3	ND	ND	ND	ND	80	ND	ND	81
CK-110	.1	1.05	ND	ND	1259	ND	6.51	.1	9	17	37	2.62	.01	.53	698	ND	.01	14	.07	18	ND	ND	ND	ND	172	ND	ND	49
CK-111	.3	3.54	ND	ND	117	3	1.26	.4	23	47	112	5.63	.07	1.31	638	ND	.01	38	.11	7	ND	ND	ND	ND	58	ND	ND	77
CK-112	.3	2.61	ND	ND	89	4	2.83	.1	23	42	88	4.74	.07	1.31	855	ND	.01	35	.10	9	ND	ND	ND	ND	98	ND	ND	75
CK-113	.1	.53	ND	ND	1661	ND	15.25	.1	9	4	59	5.34	.01	6.46	1278	ND	.01	16	.04	34	ND	ND	ND	ND	339	ND	7	100
CK-114	.1	4.66	9	ND	147	ND	4.56	.1	24	25	124	5.27	.02	1.78	1003	ND	.01	24	.09	4	ND	ND	ND	ND	84	ND	ND	90
CK-115	.1	4.02	ND	ND	193	4	.87	.1	18	30	49	4.10	.11	.85	1195	ND	.01	27	.06	10	ND	ND	ND	ND	61	3	ND	135
CK-116	.1	4.24	ND	ND	173	ND	.93	.1	20	43	52	4.82	.10	1.03	767	ND	.01	38	.11	4	ND	ND	ND	ND	68	ND	ND	114
CK-118	.1	5.50	ND	ND	155	ND	.99	.1	21	11	472	10.38	.10	2.12	794	9	.01	21	.13	ND	ND	ND	ND	ND	118	ND	ND	87
CK-119	.1	4.97	ND	ND	152	ND	.72	.1	23	14	203	6.45	.09	1.69	1308	5	.01	21	.07	6	ND	ND	ND	ND	113	ND	ND	78
CK-120	.3	3.32	ND	ND	143	5	.98	.1	18	50	59	4.53	.10	.94	503	1	.01	32	.08	7	ND	ND	ND	ND	79	ND	ND	72
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	F %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CK-121	.1	3.41	ND	ND	116	ND	.62	.1	16	41	56	4.64	.02	.76	523	ND	.01	31	.07	23	ND	ND	ND	ND	49	ND	ND	105
CK-123	.1	3.23	ND	ND	131	ND	.67	.1	18	51	41	4.14	.03	.91	365	ND	.01	34	.10	17	ND	ND	ND	ND	55	ND	ND	112
CK-124	.1	4.74	ND	ND	48	4	2.05	.1	31	31	143	5.95	.01	1.98	767	ND	.01	26	.06	ND	ND	ND	ND	96	ND	ND	93	
CK-125	.1	2.78	ND	ND	179	ND	.64	.1	17	53	49	4.61	.04	.83	642	ND	.01	32	.07	5	ND	ND	ND	ND	57	ND	ND	95
CK-126	.1	2.23	ND	ND	225	ND	.46	.1	9	28	25	2.57	.05	.49	1164	ND	.01	19	.07	8	ND	ND	ND	ND	53	ND	ND	127
CK-127	.1	2.96	ND	ND	129	ND	.85	.1	17	61	64	4.34	.05	.97	584	ND	.01	34	.04	3	ND	ND	ND	ND	61	ND	ND	65
CK-128	.1	2.34	ND	ND	196	ND	.69	.1	12	36	32	3.19	.08	.53	1085	ND	.01	22	.09	5	ND	ND	ND	ND	54	ND	ND	123
CK-129	.1	1.80	ND	ND	212	ND	5.93	.1	13	49	46	3.41	.01	1.55	599	ND	.01	36	.11	15	ND	ND	ND	ND	351	ND	ND	71
CK-130	.1	2.99	ND	ND	206	ND	.71	.1	18	46	49	4.29	.08	1.08	636	ND	.01	39	.04	5	ND	ND	ND	ND	77	ND	ND	113
CK-131	.1	2.06	ND	ND	144	ND	.58	.1	13	39	30	3.12	.06	.53	604	ND	.01	23	.05	6	ND	ND	ND	ND	48	ND	ND	82
CK-132	.1	2.16	ND	ND	137	ND	.48	.1	13	42	29	3.37	.05	.63	514	ND	.01	25	.07	8	ND	ND	3	ND	54	ND	ND	84
CK-133	.1	1.74	ND	ND	88	ND	.49	.1	14	50	28	3.59	.05	.59	312	ND	.01	20	.03	8	ND	ND	4	ND	53	ND	ND	59
CK-134	.2	1.94	ND	ND	102	ND	.55	.1	16	60	33	4.28	.07	.67	448	ND	.01	29	.05	8	ND	ND	5	1	55	ND	ND	66
CK-135	.1	2.08	ND	ND	107	ND	.66	.1	12	39	24	3.11	.06	.54	645	ND	.01	19	.02	8	ND	ND	3	ND	62	ND	ND	60
CK-136	.2	2.84	ND	ND	61	ND	.91	.3	18	49	80	4.70	.07	.96	474	ND	.01	35	.06	4	ND	ND	ND	ND	56	ND	ND	75
CK-137	.1	2.97	ND	ND	106	ND	.58	.1	11	21	34	2.48	.06	.52	702	ND	.01	22	.20	7	ND	ND	ND	ND	59	ND	ND	109
CK-138	.2	4.04	ND	ND	75	4	1.04	.1	24	33	74	4.76	.06	1.14	650	ND	.01	31	.07	ND	ND	ND	ND	76	ND	ND	107	
CK-139	.2	3.61	ND	ND	89	ND	.65	.1	17	36	44	3.61	.10	.81	466	1	.01	33	.15	3	ND	ND	ND	ND	56	ND	ND	141
CK-140	.3	2.80	ND	ND	159	ND	.66	.1	19	71	64	5.03	.09	1.03	545	1	.01	40	.10	6	ND	ND	ND	ND	55	ND	ND	78
CK-141	.1	3.43	ND	ND	70	ND	.91	.1	20	53	61	5.08	.07	1.12	534	ND	.01	33	.08	2	ND	ND	ND	ND	70	ND	3	70
CK-142	.1	3.30	ND	ND	118	ND	.72	.1	15	33	41	3.43	.09	.65	911	1	.01	32	.10	13	ND	ND	ND	ND	51	ND	ND	104
CK-143	.1	2.10	ND	ND	129	ND	1.39	.1	16	49	42	3.84	.07	.77	669	ND	.01	31	.07	10	ND	ND	ND	ND	64	ND	ND	75
CK-144	.2	2.88	3	ND	215	3	.48	.1	15	42	36	3.63	.07	.55	1008	1	.01	29	.08	11	ND	ND	ND	ND	37	5	ND	131
CK-145	.2	2.85	ND	ND	163	ND	.48	.1	16	49	31	3.92	.07	.61	561	1	.01	28	.05	7	ND	ND	ND	ND	40	ND	ND	94
CK-146	.2	2.70	ND	ND	154	ND	.51	.1	15	49	34	3.82	.08	.59	381	1	.01	31	.09	12	ND	ND	ND	ND	41	ND	ND	86
CK-147	.2	2.67	ND	ND	130	ND	.57	.1	15	40	31	3.39	.09	.60	508	ND	.01	28	.07	8	ND	ND	ND	ND	44	3	ND	79
CK-148	.1	2.64	ND	ND	131	ND	.70	.1	15	40	40	3.65	.04	.68	565	ND	.01	30	.06	5	ND	ND	ND	ND	56	ND	ND	69
CK-149	.1	3.05	ND	ND	155	ND	.54	.1	15	43	36	3.70	.03	.64	597	ND	.01	31	.07	9	ND	ND	ND	ND	54	ND	ND	94
CK-150	.1	2.54	ND	ND	115	ND	1.14	.1	14	42	41	4.29	.04	.71	523	ND	.01	26	.05	7	ND	ND	ND	ND	103	ND	ND	69
CK-151	.1	2.82	ND	ND	120	ND	.56	.3	16	45	37	4.01	.07	.73	505	ND	.01	30	.07	2	ND	ND	ND	ND	55	ND	ND	80
CK-152	.1	3.15	ND	ND	133	ND	.56	.5	14	31	38	3.35	.05	.56	627	ND	.01	26	.22	11	ND	ND	ND	ND	63	ND	ND	301
CK-153	.1	2.91	ND	ND	119	ND	.69	.5	15	47	80	3.80	.05	.69	1064	2	.01	28	.07	15	ND	ND	ND	ND	41	ND	ND	159
CK-154	.1	2.62	ND	ND	126	ND	.56	.7	11	34	40	2.92	.04	.53	923	1	.01	20	.06	8	ND	ND	ND	ND	35	ND	ND	213
CK-155	.1	3.01	ND	ND	209	ND	.59	.3	13	32	48	3.45	.03	.59	1512	ND	.01	20	.05	7	ND	ND	ND	ND	40	ND	ND	158
CK-156	.1	3.64	ND	ND	157	ND	.76	.1	16	32	101	4.52	.09	.72	1243	ND	.01	23	.07	4	ND	ND	ND	ND	42	ND	ND	141
CK-157	.1	3.14	ND	ND	145	ND	.74	.2	14	31	61	3.67	.04	.60	1045	ND	.01	21	.06	2	ND	ND	ND	ND	44	ND	ND	138
CK-158	.2	3.85	ND	ND	74	ND	1.25	.1	21	39	165	5.56	.04	.95	478	ND	.01	24	.06	5	ND	ND	ND	ND	56	ND	ND	82
CK-159	.1	3.35	ND	ND	96	ND	.87	.1	14	29	69	3.92	.03	.67	663	ND	.01	19	.09	2	ND	ND	ND	ND	54	ND	ND	104
CK-160	.1	2.41	ND	ND	116	ND	.72	.1	12	23	38	2.78	.01	.50	828	ND	.01	15	.03	7	ND	ND	ND	ND	40	ND	ND	95
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CK-161	.1	3.09	ND	ND	106	ND	1.28	.1	19	38	127	5.21	.01	1.13	586	ND	.01	27	.05	6	ND	ND	ND	ND	64	ND	ND	73
CK-162	.3	3.26	3	ND	130	ND	.96	.1	19	43	104	5.14	.05	.88	493	1	.01	29	.06	6	ND	ND	ND	ND	52	ND	ND	75
CK-163	.2	3.68	ND	ND	110	6	.95	.3	20	46	132	5.73	.04	1.01	537	ND	.01	34	.09	7	ND	ND	ND	ND	51	ND	ND	80
CK-164	.1	2.56	ND	ND	84	ND	.66	.1	15	50	29	3.88	.03	.64	451	ND	.01	18	.02	10	ND	ND	ND	ND	57	ND	ND	74
CK-165	.2	3.37	ND	ND	97	ND	.88	.1	18	44	49	4.68	.06	.92	502	ND	.01	32	.09	3	ND	ND	ND	ND	80	ND	ND	82
CK-166	.1	3.10	8	ND	117	ND	.98	.1	18	51	50	4.52	.04	.89	581	1	.01	31	.06	7	ND	ND	ND	ND	79	ND	ND	69
CK-168	.1	3.64	ND	ND	166	ND	.64	.1	17	42	45	4.05	.04	.82	455	1	.01	34	.12	6	ND	ND	ND	ND	74	ND	ND	100
CK-169	.1	2.93	5	ND	154	ND	.71	.2	15	27	40	3.14	.08	.65	1444	ND	.01	25	.17	10	ND	ND	ND	ND	73	ND	ND	127
CK-170	.1	2.53	4	ND	101	ND	3.50	.1	21	46	87	4.61	.02	1.39	746	ND	.01	40	.10	12	ND	ND	ND	ND	138	ND	ND	72
CK-171	.2	3.01	4	ND	210	ND	.56	.1	14	36	36	3.64	.08	.69	557	1	.01	34	.07	10	ND	ND	ND	ND	50	3	ND	154
CK-172	.3	2.52	ND	ND	168	ND	.65	.1	14	41	30	3.53	.07	.58	741	1	.01	27	.08	7	ND	ND	ND	ND	54	ND	ND	95
CK-173	.4	2.02	9	ND	103	ND	.55	.2	15	56	36	4.04	.06	.61	490	1	.01	32	.07	9	ND	ND	ND	ND	52	6	ND	61
CK-174	.1	3.27	5	ND	159	ND	.84	.1	16	42	43	3.88	.05	.76	823	1	.01	31	.11	8	ND	ND	ND	ND	79	ND	ND	115
CK-175	.1	2.59	ND	ND	120	ND	.64	.1	14	43	35	3.86	.06	.59	310	ND	.01	30	.04	8	ND	ND	ND	ND	70	ND	ND	63
CK-176	.1	2.13	ND	ND	172	ND	.86	.1	14	47	32	3.72	.05	.55	858	ND	.01	27	.07	9	ND	ND	ND	ND	72	ND	ND	77
CK-177	.4	2.61	3	ND	149	ND	.55	.1	17	52	27	4.16	.04	.74	458	ND	.01	27	.05	9	ND	ND	ND	ND	55	ND	ND	68
CK-178	.2	1.94	6	ND	96	ND	.52	.1	15	46	25	3.61	.04	.54	433	ND	.01	19	.02	10	ND	ND	ND	ND	58	ND	ND	51
CK-179	.1	2.95	ND	ND	168	ND	.55	.1	13	33	28	3.39	.03	.52	492	1	.01	19	.06	9	ND	ND	ND	ND	59	ND	ND	82
CK-180	.3	2.32	ND	ND	134	ND	.50	.1	11	28	24	2.86	.08	.51	677	ND	.01	19	.05	10	ND	ND	ND	ND	44	8	ND	80
CK-181?	.2	2.81	ND	ND	135	ND	.57	.1	17	48	45	4.28	.05	.80	509	ND	.01	31	.06	3	ND	ND	ND	ND	55	ND	ND	78
CK-183	.5	2.80	3	ND	113	ND	.57	.1	20	60	57	5.15	.09	.87	627	1	.01	45	.04	9	ND	ND	ND	ND	61	4	ND	60
CK-184	.1	2.69	ND	ND	120	ND	.91	.1	15	42	44	4.39	.04	.91	549	ND	.01	30	.03	7	ND	ND	ND	ND	102	ND	ND	55
CK-185	.2	2.65	ND	ND	179	4	.82	.1	17	49	45	4.79	.06	1.07	621	1	.01	30	.08	9	ND	ND	ND	ND	89	ND	4	62
CK-186	.1	2.84	ND	ND	121	ND	.80	.1	14	35	31	3.83	.06	.71	663	1	.01	18	.03	10	ND	ND	ND	ND	80	ND	ND	58
CK-187	.1	3.40	ND	ND	143	ND	.65	.1	18	46	42	4.60	.08	.72	707	ND	.01	27	.07	7	ND	ND	ND	ND	61	ND	ND	67
CK-188	.3	2.87	ND	ND	105	ND	.63	.4	11	20	25	2.68	.08	.47	939	1	.01	14	.04	16	ND	ND	ND	ND	52	7	ND	78
CK-189	.4	4.17	ND	ND	152	ND	1.03	.1	16	31	97	4.66	.10	.71	365	1	.01	24	.08	5	ND	ND	ND	ND	53	ND	ND	95
CK-190	.1	6.16	ND	ND	168	ND	2.36	.1	20	22	273	6.41	.09	1.12	576	1	.01	20	.13	ND	ND	ND	ND	ND	101	ND	ND	85
CK-191	.1	5.47	ND	ND	127	ND	2.05	.2	23	22	294	6.79	.06	1.27	698	1	.01	21	.13	2	ND	ND	ND	ND	88	ND	ND	96
CK-192	.1	2.93	ND	ND	180	ND	8.01	.1	15	16	195	4.69	.01	.88	850	ND	.01	16	.13	21	ND	ND	ND	ND	76	ND	ND	85
CK-193	.4	2.55	6	ND	147	ND	1.03	.1	17	55	85	4.92	.07	.78	516	ND	.01	30	.08	11	ND	ND	ND	ND	57	ND	ND	63
CK-194	.1	2.56	10	ND	198	ND	3.29	.1	16	42	76	4.39	.07	.91	736	ND	.01	30	.12	16	ND	ND	ND	ND	99	ND	ND	72
CK-195	.4	2.78	7	ND	138	ND	1.08	.1	16	50	86	4.99	.08	.75	545	1	.01	28	.09	10	ND	ND	ND	ND	56	ND	ND	67
CK-196	.2	2.81	ND	ND	185	ND	.76	.1	16	46	43	4.34	.10	.62	964	ND	.01	24	.05	9	ND	ND	ND	ND	47	ND	ND	106
CK-197	.1	4.92	ND	ND	118	ND	.93	.1	16	38	81	4.90	.10	.82	564	1	.01	31	.06	4	ND	ND	ND	ND	79	ND	ND	112
CK-198	.1	4.54	ND	ND	95	ND	1.14	.3	22	53	93	5.18	.06	1.01	652	1	.01	41	.10	2	ND	ND	ND	ND	109	ND	ND	91
CK-199	.2	2.58	ND	ND	178	ND	.77	.1	14	37	45	3.66	.09	.56	943	ND	.01	24	.08	10	ND	ND	ND	ND	55	ND	ND	103
CK-200	.5	2.94	ND	ND	77	ND	.96	.1	19	49	86	4.85	.08	.95	580	1	.01	36	.06	8	ND	ND	ND	ND	73	ND	ND	83
CK-201	.2	3.61	53	ND	137	ND	1.35	.1	21	41	141	5.48	.08	.94	526	ND	.01	40	.08	4	ND	ND	ND	ND	81	ND	ND	85
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM	
CK-202	.1	5.94	ND	ND	93	ND	1.95	3.7	24	34	142	6.54	.01	1.92	744	2	.01	30	.08	14	ND	ND	ND	ND	258	ND	5	591	
CK-203	.1	5.60	ND	ND	90	ND	1.91	.6	30	44	117	6.79	.03	2.24	725	1	.01	38	.08	4	ND	ND	ND	ND	414	ND	ND	208	
CK-204	.1	3.47	ND	ND	162	ND	5.41	.1	20	43	109	6.00	.03	1.43	614	1	.01	58	.12	27	ND	ND	ND	ND	98	ND	ND	159	
CK-205	.1	6.37	ND	ND	113	ND	1.97	.2	28	37	139	6.10	.07	1.92	693	1	.01	39	.13	2	ND	ND	ND	ND	322	ND	ND	120	
CK-206	.2	3.65	ND	ND	123	ND	.96	.2	17	42	56	4.54	.08	.80	524	1	.01	30	.08	6	ND	ND	3	ND	66	ND	ND	92	
CK-207	.1	4.01	ND	ND	143	ND	1.04	.6	20	39	70	4.65	.10	.88	1034	1	.01	30	.10	10	ND	ND	ND	ND	102	ND	ND	112	
CK-208	.1	3.95	ND	ND	152	ND	.93	.2	16	42	56	4.54	.08	.80	984	1	.01	29	.08	12	ND	ND	ND	ND	114	ND	ND	123	
CK-209	.2	3.65	ND	ND	153	ND	.77	.3	16	33	47	3.75	.11	.64	964	1	.01	29	.08	13	ND	ND	5	ND	57	3	ND	126	
CK-210	.1	4.82	ND	ND	116	ND	.94	.3	18	40	57	4.52	.08	.97	578	1	.01	34	.10	5	ND	ND	ND	ND	79	ND	ND	95	
CK-211	.2	4.22	3	ND	159	ND	1.20	.3	20	44	104	5.37	.12	1.00	448	1	.01	39	.25	10	ND	ND	ND	ND	90	3	ND	76	
CK-212	.1	3.04	ND	ND	231	ND	.94	.6	16	37	53	3.90	.12	.61	1297	1	.01	29	.15	7	ND	ND	3	ND	76	ND	ND	1914	
CK-213	.8	4.23	ND	ND	61	8	1.26	.1	25	72	121	6.60	.11	1.67	635	2	.01	67	.11	9	ND	ND	ND	3	114	ND	ND	184	
CK-214	.4	3.29	ND	ND	119	ND	.76	.1	19	44	94	4.89	.13	.86	550	1	.01	31	.08	8	ND	ND	ND	ND	52	4	ND	100	
CK-215	.3	3.22	ND	ND	125	ND	.80	.1	19	41	93	4.87	.08	.86	476	1	.01	30	.07	7	ND	ND	3	ND	49	ND	ND	90	
CK-216	.1	3.59	ND	ND	133	ND	.96	.1	24	76	62	5.72	.14	1.18	828	1	.01	81	.08	3	ND	ND	ND	ND	101	ND	ND	85	
CK-217	.1	4.73	ND	ND	49	ND	4.05	.3	28	35	91	7.08	.01	2.74	1335	ND	.01	30	.07	4	ND	ND	ND	ND	61	ND	ND	85	
CK-218	.1	4.72	ND	ND	118	ND	1.41	.1	24	35	63	5.25	.10	1.36	931	ND	.01	26	.05	1	ND	ND	ND	ND	69	ND	ND	80	
CK-219	.1	3.33	ND	ND	77	ND	.78	.3	14	23	33	3.12	.07	.69	622	ND	.01	20	.03	3	ND	ND	ND	ND	58	ND	ND	94	
CK-220	.1	3.25	ND	ND	78	ND	1.20	.1	16	33	38	3.72	.08	.81	704	ND	.01	21	.04	7	ND	ND	ND	ND	58	ND	ND	87	
CK-221	.1	4.72	ND	ND	49	ND	2.09	.2	28	54	191	7.11	.04	1.67	1021	ND	.01	39	.15	11	ND	ND	ND	ND	61	ND	ND	79	
CK-222	.1	4.58	ND	ND	57	ND	2.65	.1	26	38	142	5.79	.03	1.85	757	ND	.01	47	.10	4	ND	ND	ND	ND	72	ND	ND	72	
CK-223	.1	4.52	ND	ND	73	3	1.77	.3	21	43	95	5.51	.08	1.38	606	ND	.01	32	.10	2	ND	ND	ND	ND	75	ND	ND	105	
CK-224	.1	3.65	ND	ND	68	ND	1.23	.2	20	41	80	4.91	.06	1.04	587	ND	.01	32	.07	4	ND	ND	ND	ND	78	ND	ND	93	
CK-225	.1	4.55	ND	ND	53	3	1.29	.1	23	51	98	5.55	.01	1.67	609	1	.01	49	.07	ND	ND	ND	ND	ND	66	ND	ND	119	
CK-226	.1	3.54	ND	ND	59	ND	1.56	.1	17	31	103	4.33	.06	1.18	772	ND	.01	26	.05	4	ND	ND	ND	ND	100	ND	ND	154	
CK-227	.1	3.33	ND	ND	65	ND	1.06	.2	15	27	31	3.72	.04	.69	483	ND	.01	20	.04	5	ND	ND	ND	ND	72	ND	ND	88	
CK-228	.1	4.00	ND	ND	99	ND	1.18	.1	18	27	46	4.09	.08	.86	1442	ND	.01	19	.06	2	ND	ND	ND	ND	51	ND	ND	137	
CK-229	.1	3.34	ND	ND	95	ND	1.08	.1	16	22	38	3.41	.07	.72	1557	ND	.01	20	.06	6	ND	ND	ND	ND	86	ND	ND	126	
CK-230	.1	2.79	ND	ND	117	ND	.89	.1	12	22	30	2.86	.03	.59	1812	1	.01	18	.05	11	ND	ND	ND	ND	77	ND	ND	132	
CK-231	.1	4.69	ND	ND	109	ND	1.67	.2	23	33	77	4.70	.10	1.12	1356	1	.01	27	.08	5	ND	ND	ND	ND	95	ND	ND	116	
CK-232	.1	3.37	ND	ND	170	ND	.86	.1	15	60	34	3.90	.08	1.12	629	1	.01	30	.06	3	ND	ND	ND	ND	120	ND	ND	93	
CK-233	.1	1.41	21	ND	151	ND	.52	.1	15	90	41	4.27	.04	.77	672	1	.01	48	.15	8	ND	ND	7	2	52	ND	ND	64	
CK-234	.1	1.82	8	ND	152	ND	.36	.1	13	80	33	4.02	.05	.65	343	1	.01	43	.06	9	ND	ND	7	1	43	ND	ND	64	
CK-235	.1	3.04	11	ND	215	ND	.81	.1	20	71	86	5.70	.10	1.14	730	ND	.01	57	.10	9	ND	ND	ND	ND	64	ND	ND	83	
CK-236	.1	1.86	19	ND	138	ND	.53	.1	15	72	53	4.51	.06	.91	487	ND	.01	45	.14	8	ND	ND	6	ND	53	ND	ND	65	
CK-237	.1	2.33	12	ND	138	ND	.44	.1	15	76	36	4.62	.04	.75	471	1	.01	45	.10	7	ND	ND	5	ND	62	ND	ND	78	
CK-238	.1	2.97	5	ND	138	ND	.51	.1	17	80	44	5.01	.07	.86	433	1	.01	47	.11	5	ND	ND	ND	ND	49	ND	ND	86	
CK-239	.1	2.77	ND	ND	223	ND	.52	.1	14	44	28	3.42	.04	.63	884	1	.01	33	.08	13	ND	ND	ND	ND	72	ND	ND	117	
CK-240	.1	1.39	18	ND	164	ND	2.50	.2	15	53	37	3.79	.07	.81	631	ND	.01	36	.10	18	ND	ND	4	ND	116	ND	ND	59	
2A1 ?																													
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1	

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CK-242	.1	1.19	32	ND	228	ND	.29	.1	11	20	35	4.70	.04	.29	813	1	.01	23	.05	11	ND	ND	7	ND	30	ND	ND	88
CK-243	.1	1.38	28	ND	208	ND	.35	.1	10	29	56	4.69	.05	.39	570	1	.01	29	.06	15	ND	ND	8	ND	47	ND	ND	91
CK-244	.1	1.71	18	ND	172	ND	.31	.1	12	41	36	4.20	.07	.49	524	ND	.01	31	.07	6	ND	ND	4	ND	45	ND	ND	73
CK-245A	.1	1.13	27	ND	201	ND	.27	.1	10	30	36	4.55	.05	.34	514	1	.01	27	.07	9	ND	ND	8	ND	37	3	3	81
CK-245B	.1	2.54	ND	ND	240	ND	.51	.1	14	38	38	5.28	.06	.87	877	1	.01	32	.06	4	ND	ND	ND	ND	67	ND	3	77
CK-246	.1	2.90	ND	ND	152	3	.56	.1	38	237	30	4.59	.01	6.04	716	ND	.01	515	.05	ND	ND	ND	ND	ND	62	ND	6	57
CK-247	.1	2.67	ND	ND	184	ND	.33	.1	11	33	29	3.38	.07	.55	441	ND	.01	31	.07	5	ND	ND	ND	ND	58	ND	ND	87
CK-248	.1	2.01	7	ND	171	ND	.36	.1	11	31	28	3.57	.06	.48	440	1	.01	25	.04	9	ND	ND	3	ND	45	3	ND	80
CK-249	.1	2.00	20	ND	192	ND	.32	.1	13	43	44	5.06	.09	.58	532	1	.01	37	.06	10	ND	ND	15	ND	38	ND	ND	94
CK-250	.1	2.46	11	ND	188	3	.39	.1	15	56	41	4.79	.06	.98	483	1	.01	38	.08	4	ND	ND	4	ND	50	ND	ND	85
CK-251	.1	2.40	ND	ND	147	ND	.27	.1	9	21	20	2.60	.07	.40	336	1	.01	20	.06	9	ND	ND	ND	ND	30	7	ND	74
CK-252	.1	2.55	ND	ND	138	ND	.46	.1	16	76	46	4.63	.10	.79	476	1	.01	52	.10	8	ND	ND	ND	ND	44	ND	ND	92
CK-253	.1	2.07	3	ND	146	3	.44	.1	13	62	41	3.95	.07	.71	497	1	.01	42	.09	8	ND	ND	ND	ND	44	ND	ND	74
CK-254	.1	2.36	ND	ND	174	ND	.46	.1	14	58	33	3.87	.08	.66	626	ND	.01	39	.05	6	ND	ND	ND	ND	53	ND	ND	95
CK-255	.1	2.05	3	ND	126	ND	.37	.1	13	59	26	3.60	.05	.62	397	1	.01	35	.08	7	ND	ND	ND	ND	52	ND	ND	71
CK-256	.3	1.78	7	ND	119	ND	.44	.1	13	66	38	3.90	.07	.80	473	ND	.01	42	.06	6	ND	ND	ND	ND	51	ND	ND	59
CK-257 <del>258</del> <del>259</del>	.1	3.08	ND	ND	204	ND	.45	.1	11	35	25	3.04	.07	.81	593	1	.01	28	.04	2	ND	ND	ND	ND	65	ND	ND	66
CK-260	.1	1.53	10	ND	107	ND	.39	.1	12	69	40	3.81	.04	.67	399	ND	.01	40	.08	7	ND	ND	3	ND	44	ND	ND	55
CK-261	.1	2.06	5	ND	147	4	.45	.1	13	58	31	3.68	.06	.65	470	1	.01	30	.05	6	ND	ND	ND	ND	52	ND	ND	77
CK-262	.1	1.21	8	ND	173	ND	3.49	.1	15	69	48	3.82	.01	.91	635	1	.01	38	.15	4	ND	ND	ND	ND	96	ND	ND	57
CK-263	.1	2.31	ND	ND	139	ND	.50	.1	14	60	38	3.89	.07	.67	558	1	.01	51	.08	14	ND	ND	ND	ND	66	ND	ND	81
CK-264	.1	1.95	ND	ND	177	ND	1.20	.5	16	69	47	3.67	.09	.95	1327	ND	.01	61	.07	6	ND	ND	ND	ND	135	ND	ND	125
CK-265	.1	1.69	ND	ND	183	ND	3.61	.1	12	54	41	3.10	.03	.88	1142	ND	.01	43	.09	1	ND	ND	ND	ND	374	ND	ND	127
CK-266	.1	2.31	ND	ND	179	ND	.54	.1	15	85	40	3.86	.07	.86	657	ND	.01	59	.08	7	ND	ND	ND	ND	64	ND	ND	93
CK-267	.1	1.63	ND	ND	124	3	.49	.1	14	82	33	3.61	.08	.72	429	ND	.01	43	.06	8	ND	ND	ND	ND	61	ND	ND	85
CK-268	.1	2.18	ND	ND	154	4	.45	.1	15	76	38	3.78	.07	.81	472	ND	.01	57	.07	5	ND	ND	ND	ND	60	ND	ND	100
CK-269	.1	1.95	ND	ND	137	ND	.35	.3	12	45	28	3.27	.05	.52	435	1	.01	32	.08	9	ND	ND	ND	ND	47	ND	ND	74
CK-270	.1	1.46	ND	ND	169	ND	.39	.1	10	36	20	2.66	.04	.42	711	ND	.01	19	.05	6	ND	ND	ND	ND	47	ND	ND	81
CK-271	.1	2.00	ND	ND	152	ND	.34	.1	12	40	23	3.00	.04	.52	535	1	.01	26	.04	10	ND	ND	ND	ND	41	ND	ND	78
CK-272	.1	2.04	ND	ND	134	ND	.48	.1	13	59	43	3.99	.05	.75	460	ND	.01	42	.08	9	ND	ND	ND	ND	43	ND	ND	63
CK-273	.1	2.05	ND	ND	175	3	.59	.1	13	52	39	3.66	.06	.83	608	ND	.01	36	.05	9	ND	ND	ND	ND	65	ND	ND	65
CK-275	.1	1.88	14	ND	121	4	.57	.1	15	57	44	4.13	.06	.75	590	1	.01	39	.10	9	ND	ND	ND	ND	53	ND	ND	68
CK-276	.1	2.29	ND	ND	96	ND	.58	.2	19	64	66	4.84	.08	.97	604	1	.01	43	.06	8	ND	ND	ND	ND	52	ND	ND	60
CK-277	.1	1.33	6	ND	178	ND	6.18	.1	13	47	52	3.24	.01	.96	600	ND	.01	32	.12	5	ND	ND	ND	ND	163	ND	ND	55
CK-278	.1	1.88	ND	ND	106	ND	.67	.1	13	41	29	3.23	.06	.85	543	ND	.01	26	.03	13	ND	ND	3	ND	59	ND	ND	56
CK-279	.1	2.20	ND	ND	249	ND	.90	.4	13	41	40	3.33	.06	.65	1187	1	.01	29	.08	6	ND	ND	ND	ND	75	ND	ND	136
CK-280	.1	2.45	ND	ND	151	ND	.51	.1	14	59	40	4.24	.05	.68	426	ND	.01	36	.07	5	ND	ND	ND	ND	47	ND	ND	80
CK-281	.1	1.86	ND	ND	234	ND	.73	.1	12	38	29	2.94	.06	.51	1325	1	.01	27	.06	14	ND	ND	ND	ND	58	ND	ND	119
CK-282	.1	2.05	ND	ND	140	3	.49	.1	13	68	46	4.06	.06	.64	435	1	.01	41	.09	6	ND	ND	ND	ND	45	ND	ND	64
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
CK-283	.1	2.50	3	ND	202	ND	.53	.1	13	53	40	4.19	.06	.64	416	ND	.01	35	.06	9	ND	ND	ND	ND	49	ND	ND	80
CK-284	.1	1.72	7	ND	79	ND	.38	.1	13	58	30	3.70	.03	.59	347	1	.01	30	.05	5	ND	ND	5	ND	40	ND	ND	67
CK-285	.1	2.16	ND	ND	126	ND	.48	.1	15	58	36	3.89	.03	.64	432	1	.01	34	.07	10	ND	ND	3	ND	48	ND	ND	77
CK-286	.1	2.81	ND	ND	138	ND	.64	.1	16	60	74	4.69	.06	.96	573	1	.01	51	.07	3	ND	ND	ND	ND	50	ND	ND	70
CK-287	.1	2.36	4	ND	177	ND	.93	.1	20	62	70	4.90	.08	1.08	814	1	.01	56	.08	10	ND	ND	ND	ND	68	ND	ND	73
CK-288	.1	2.12	ND	ND	146	ND	.55	.1	15	57	39	4.08	.03	.65	503	ND	.01	35	.06	6	ND	ND	3	ND	48	ND	ND	68
CK-289	.1	1.20	ND	ND	208	ND	8.46	.1	13	50	48	3.29	.01	.98	567	ND	.01	33	.12	31	ND	ND	ND	ND	188	ND	ND	50
CK-290	.1	2.62	ND	ND	238	ND	.69	.1	13	52	44	3.94	.08	.64	795	ND	.01	36	.08	4	ND	ND	ND	ND	50	ND	ND	137
CK-291	.1	2.81	ND	ND	181	4	.58	.1	13	52	49	4.19	.07	.69	475	1	.01	37	.07	10	ND	ND	ND	ND	49	ND	ND	83
CK-292	.1	2.65	ND	ND	155	ND	.51	.1	13	40	31	3.52	.07	.56	404	1	.01	28	.04	6	ND	ND	ND	ND	44	ND	ND	79
DKS-50	.1	2.33	63	ND	293	ND	3.18	.1	32	35	118	7.53	.08	1.33	972	13	.01	43	.10	10	ND	ND	3	ND	82	ND	5	155
DKS-51	3.4	.78	68	ND	581	ND	2.72	.2	13	13	110	4.44	.06	.44	521	4	.01	66	.07	21	ND	ND	12	ND	88	ND	ND	198
DKS-52	.1	3.45	20	ND	178	ND	.98	.1	21	37	140	5.84	.10	1.62	739	ND	.01	35	.08	2	ND	ND	ND	ND	44	ND	ND	126
DKS-53	.6	2.00	23	ND	204	ND	2.20	.2	19	25	132	5.58	.06	.69	964	2	.01	47	.06	12	ND	ND	3	ND	45	ND	ND	124
DKS-54	.1	3.12	11	ND	129	ND	1.04	.2	19	48	87	5.05	.11	1.14	783	1	.01	36	.07	7	ND	ND	ND	ND	48	ND	ND	103
DKS-55	.1	3.08	13	ND	122	ND	2.31	.1	17	35	57	4.25	.08	1.04	1151	ND	.01	30	.06	6	ND	ND	ND	ND	70	ND	ND	119
DKS-56	.1	3.12	7	ND	75	ND	2.50	.1	21	33	87	4.67	.06	1.27	973	ND	.01	30	.08	6	ND	ND	ND	ND	58	ND	ND	89
DKS-57	.1	2.33	3	ND	56	ND	8.14	.1	19	28	100	4.82	.01	1.21	843	ND	.01	24	.12	23	ND	ND	ND	ND	142	ND	ND	65
DKS-58	.1	3.41	ND	ND	93	ND	2.20	.1	22	42	89	5.23	.05	1.75	945	ND	.01	33	.08	ND	ND	ND	ND	ND	85	ND	7	75
DKS-59	.1	3.07	ND	ND	84	ND	2.22	.2	20	44	91	4.41	.03	1.73	790	ND	.01	40	.07	4	ND	ND	ND	ND	66	ND	ND	75
DKS-60	.1	2.45	ND	ND	87	ND	.77	.1	16	48	76	4.00	.04	1.06	527	1	.01	48	.07	8	ND	ND	ND	ND	48	ND	ND	65
DKS-61	.1	3.91	ND	ND	96	ND	.94	.1	16	33	67	4.15	.04	1.18	487	ND	.01	31	.05	ND	ND	ND	ND	ND	51	ND	ND	76
DKS-62	.1	3.33	ND	ND	52	ND	1.97	.1	24	45	116	4.62	.04	1.77	804	ND	.01	38	.07	6	ND	ND	ND	ND	52	ND	5	71
DKS-64A	.5	2.02	19	ND	461	ND	.69	.1	18	38	63	4.20	.08	.94	664	1	.01	46	.08	10	ND	ND	4	ND	45	ND	ND	107
DKS-64B	.1	1.97	ND	ND	42	ND	2.72	.1	28	37	81	3.42	.03	1.48	800	ND	.01	38	.08	7	ND	ND	ND	ND	80	ND	ND	58
DKS-65	.1	2.17	89	ND	400	ND	1.92	.1	18	27	83	4.70	.06	1.04	887	1	.01	35	.07	5	ND	ND	ND	ND	59	ND	ND	110
DKS-66	.1	2.77	ND	ND	227	ND	.77	.1	15	30	45	3.87	.12	.81	1076	ND	.01	25	.05	7	ND	ND	ND	ND	61	ND	ND	132
DKS-67	.1	1.87	9	ND	100	ND	2.77	.1	17	41	58	3.47	.06	1.31	650	ND	.01	41	.10	17	ND	ND	ND	ND	98	ND	ND	67
DKS-68	.1	1.92	15	ND	170	ND	1.12	.1	14	27	57	4.60	.06	.76	746	2	.01	27	.08	8	ND	ND	ND	ND	54	ND	ND	107
DKS-69	.1	2.25	12	ND	123	ND	1.66	.1	16	53	67	4.23	.08	1.11	685	1	.01	40	.08	9	ND	ND	ND	ND	53	ND	ND	83
DKS-70	.1	2.27	29	ND	164	ND	1.67	.1	14	31	59	4.89	.08	.81	634	ND	.01	24	.05	11	ND	ND	ND	ND	58	ND	ND	123
DKS-71	.1	2.37	74	ND	128	ND	.66	.1	14	29	65	4.83	.08	.77	510	2	.01	32	.06	8	ND	ND	4	ND	49	ND	ND	128
DKS-72	.1	2.59	ND	ND	98	ND	4.30	.1	19	60	81	4.42	.03	1.91	831	ND	.01	49	.06	7	ND	ND	ND	ND	225	ND	ND	84
DKS-73	.1	2.79	6	ND	126	ND	.94	.1	14	55	63	5.08	.07	.98	456	ND	.01	39	.05	3	ND	ND	ND	ND	58	ND	ND	93
DKS-74	.1	2.75	ND	ND	149	ND	1.92	.1	19	53	76	5.37	.08	1.31	810	ND	.01	42	.08	3	ND	ND	ND	ND	58	ND	ND	87
DKS-75	.1	2.31	4	ND	141	ND	3.55	.1	14	50	52	4.76	.05	1.08	632	ND	.01	32	.10	9	ND	ND	ND	ND	66	ND	ND	92
DKS-76	.1	3.77	ND	ND	120	ND	2.50	.1	25	120	112	5.87	.03	2.29	892	1	.01	76	.08	3	ND	ND	ND	ND	59	ND	ND	83
DKS-77	.1	3.29	6	ND	90	ND	1.97	.1	23	63	106	5.12	.06	1.77	840	ND	.01	60	.08	6	ND	ND	ND	ND	64	ND	3	97
DKS-78	.1	3.13	10	ND	40	ND	4.09	.1	25	61	121	5.09	.01	1.91	778	ND	.01	58	.08	10	ND	ND	ND	ND	70	ND	ND	83
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
DKS-79	.1	3.16	ND	ND	87	ND	1.33	.3	21	65	79	4.62	.07	1.41	721	1	.01	56	.06	6	ND	ND	ND	ND	62	ND	ND	91
DKS-80	.2	3.59	8	ND	80	ND	1.01	.4	19	39	125	4.59	.07	1.13	535	1	.01	36	.05	6	ND	ND	ND	ND	60	ND	ND	82
DKS-81	.1	3.79	3	ND	56	ND	1.70	.4	22	46	117	5.82	.08	1.20	943	3	.01	43	.08	10	ND	ND	ND	ND	66	ND	ND	150
DKS-82	.1	2.75	40	ND	18	ND	14.76	.1	30	110	76	4.08	.01	3.06	932	ND	.01	40	.06	3	ND	ND	ND	ND	262	ND	ND	83
DKS-83	.1	2.92	10	ND	89	ND	1.13	.1	17	60	75	5.00	.10	.96	584	1	.01	35	.06	2	ND	ND	ND	ND	63	ND	ND	94
DKS-84	.1	2.32	23	ND	71	ND	6.46	.3	20	54	67	4.35	.01	1.23	797	ND	.01	32	.13	6	ND	ND	ND	ND	152	ND	ND	78
DKS-85	.1	1.92	7	ND	128	ND	2.08	.1	20	69	63	4.62	.08	1.14	827	1	.01	43	.12	7	ND	ND	ND	ND	80	ND	ND	71
DKS-86	.3	2.12	ND	ND	113	ND	1.56	.3	15	53	52	4.30	.13	.91	607	1	.01	33	.07	8	ND	ND	ND	ND	62	ND	ND	78
DKS-87	.1	1.79	18	ND	115	ND	2.75	.2	18	38	56	4.55	.11	.89	903	1	.01	33	.08	5	ND	ND	ND	ND	96	ND	ND	80
DKS-88	.3	2.47	3	ND	134	ND	1.04	.1	17	46	56	4.41	.14	.85	706	1	.01	33	.06	7	ND	ND	ND	ND	60	ND	ND	85
DKS-89	.1	2.04	7	ND	83	ND	4.01	.1	20	42	76	5.01	.08	1.01	809	ND	.01	30	.08	9	ND	ND	ND	ND	121	ND	ND	71
DKS-90	.1	1.77	7	ND	60	ND	9.41	.1	25	52	73	4.89	.01	1.06	1303	ND	.01	37	.08	12	ND	ND	ND	ND	130	ND	ND	56
DKS-91	.1	2.08	5	ND	85	ND	4.58	.1	23	62	76	5.58	.08	1.11	923	1	.01	38	.08	9	ND	ND	ND	ND	104	ND	ND	75
DKS-92	.6	2.70	ND	ND	137	3	1.31	.3	19	74	71	5.00	.15	1.12	677	1	.01	43	.08	12	ND	ND	ND	ND	66	4	ND	86
DKS-94A	.3	2.95	ND	ND	114	ND	1.08	.1	16	60	68	5.54	.17	.89	489	1	.01	36	.07	13	ND	ND	ND	ND	52	ND	ND	93
DKS-94B	.3	2.37	5	ND	112	ND	.88	.2	13	50	48	5.08	.14	.65	526	2	.01	30	.07	16	ND	ND	3	ND	48	4	ND	96
DKS-95	.3	1.75	ND	ND	127	4	.75	.2	12	36	33	2.66	.13	.75	894	1	.01	19	.04	17	ND	ND	3	ND	79	8	ND	80
DKS-96	.3	2.74	ND	ND	114	6	.76	.6	17	59	46	4.29	.14	1.31	721	1	.01	33	.05	13	ND	ND	ND	ND	85	3	ND	84
DKS-97	.1	1.95	ND	ND	123	ND	2.75	.1	18	90	60	4.23	.11	1.43	759	1	.01	42	.08	10	ND	ND	ND	ND	100	ND	ND	62
DKS-98	.1	.97	ND	ND	53	ND	6.71	.1	18	9	101	5.25	.01	.89	878	ND	.01	12	.20	8	ND	ND	ND	ND	125	ND	ND	69
DKS-99	.4	2.40	5	ND	137	3	1.64	.3	19	75	77	4.76	.13	1.14	787	2	.01	53	.10	20	ND	ND	3	ND	70	ND	ND	84
DKS-100	.5	2.20	3	ND	222	ND	2.04	.3	19	75	71	4.35	.15	1.29	687	1	.01	66	.13	14	ND	ND	ND	ND	109	ND	ND	70
DKS-101	.6	2.79	10	ND	106	ND	.78	.1	19	76	87	5.70	.15	.91	490	2	.01	47	.08	15	ND	ND	3	ND	53	ND	ND	70
DKS-102	.5	2.56	3	ND	168	3	1.10	.3	20	70	78	5.37	.15	1.12	617	1	.01	44	.08	13	ND	ND	3	ND	64	6	ND	77
DKS-103	.6	2.95	ND	ND	173	3	.69	.3	18	65	75	5.08	.17	1.03	542	1	.01	47	.08	16	ND	ND	3	ND	73	7	ND	81
DKS-104	.1	1.58	3	ND	153	3	5.35	.2	14	44	48	3.29	.07	1.21	674	1	.01	30	.10	12	ND	ND	ND	ND	375	ND	ND	59
DKS-105	.1	1.93	13	ND	119	ND	3.09	.1	19	55	69	4.33	.13	1.08	807	1	.01	40	.13	14	ND	ND	ND	ND	96	ND	ND	74
DKS-106	.3	2.12	8	ND	115	4	.58	.5	16	46	63	4.49	.16	.80	513	2	.01	36	.06	14	ND	ND	6	ND	46	9	ND	81
DKS-107	.1	1.87	3	ND	227	ND	7.05	.1	12	37	56	3.50	.05	1.67	475	1	.01	28	.08	10	ND	ND	ND	ND	355	ND	ND	65
DKS-108	.1	2.22	ND	ND	165	6	2.22	.2	16	57	53	3.77	.12	2.92	538	1	.01	53	.14	16	ND	ND	ND	ND	260	ND	7	79
DKS-109	.1	1.68	ND	ND	187	3	4.66	.2	12	70	33	3.17	.08	2.41	369	1	.01	39	.14	12	ND	ND	ND	ND	515	ND	4	71
DKS-110	.2	1.43	16	ND	216	ND	2.32	.4	16	83	42	3.90	.11	1.54	697	2	.01	56	.12	19	ND	ND	6	ND	203	ND	ND	68
DKS-111	.1	2.04	ND	ND	98	ND	5.24	.1	26	55	170	5.76	.07	2.52	1336	1	.01	30	.11	15	ND	ND	ND	ND	367	ND	ND	80
DKS-112	.1	4.44	18	ND	49	ND	5.05	.1	24	18	276	10.55	.12	.80	747	4	.01	13	.30	98	ND	ND	ND	ND	245	ND	ND	73
DKS-113	.1	2.29	17	ND	329	4	3.99	.3	26	41	146	4.87	.15	1.77	1163	1	.01	36	.14	22	ND	ND	3	ND	247	ND	ND	89
DKS-114A	.1	2.92	21	ND	136	4	4.30	.2	28	77	101	4.75	.13	2.57	1007	2	.01	82	.13	13	ND	ND	ND	ND	329	ND	4	85
DKS-114B	.1	2.97	46	ND	113	ND	4.49	.1	26	38	242	4.87	.08	1.92	1590	1	.01	30	.17	17	ND	ND	ND	ND	114	ND	ND	109
DKS-115	.2	1.93	26	ND	183	ND	1.27	.3	24	23	144	5.62	.20	.73	1086	2	.01	39	.14	23	ND	ND	4	ND	99	9	ND	171
DKS-116	.1	2.17	49	ND	186	ND	2.00	.1	39	31	101	4.80	.17	1.23	1196	1	.01	44	.13	19	ND	ND	ND	ND	144	ND	ND	98
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
DKS-117	.1	1.64	32	ND	155	ND	3.04	.1	20	43	85	4.40	.01	1.35	939	1	.01	40	.12	14	ND	ND	ND	ND	161	ND	ND	77
DKS-118	.1	.44	10	ND	130	ND	1.79	.4	17	32	168	4.05	.01	.80	1086	1	.01	33	.11	14	ND	ND	3	ND	163	ND	ND	67
DKS-119	.1	1.03	4	ND	162	ND	2.36	.1	33	84	83	4.94	.01	1.41	1367	1	.01	76	.20	23	ND	ND	ND	ND	277	ND	ND	89
DKS-120	.1	1.02	ND	ND	195	ND	4.65	.1	25	45	117	4.41	.01	1.63	1063	1	.01	49	.11	26	ND	ND	ND	ND	225	ND	ND	127
DKS-121	.1	6.10	ND	ND	48	ND	10.53	.1	10	28	118	2.04	.01	1.36	735	ND	.01	23	.06	17	ND	ND	ND	ND	496	ND	ND	65
DKS-122	.1	2.66	5	ND	150	3	.60	.2	14	44	51	4.16	.11	.83	511	1	.01	33	.05	15	ND	ND	5	ND	67	9	4	89
DKS-123	.1	1.26	4	ND	186	ND	9.03	.1	12	53	53	3.27	.01	1.37	572	1	.01	30	.15	18	ND	ND	ND	ND	432	ND	ND	49
DKS-124	.1	1.46	11	ND	164	ND	2.91	.5	15	72	45	3.99	.03	1.41	687	1	.01	49	.12	13	ND	ND	3	ND	217	ND	ND	64
DKS-125	.1	1.86	5	ND	181	ND	2.07	.1	14	44	49	3.66	.11	1.16	499	1	.01	40	.08	11	ND	ND	5	ND	194	ND	ND	72
DKS-126	.1	2.43	3	ND	198	ND	.72	.1	14	51	47	4.15	.07	.80	604	1	.01	38	.08	10	ND	ND	ND	ND	75	4	ND	78
DKS-127	.1	2.52	ND	ND	128	3	.46	.3	13	55	43	3.97	.10	.75	413	1	.01	35	.04	10	ND	ND	5	ND	52	13	ND	79
DKS-128	.1	2.12	22	ND	235	ND	.54	.1	16	74	52	5.09	.08	.89	588	1	.01	46	.10	12	ND	ND	8	ND	57	8	ND	86
DKS-129	.1	2.25	18	ND	260	ND	.56	.1	16	74	55	5.10	.08	.89	578	1	.01	45	.10	12	ND	ND	7	ND	49	7	ND	89
DKS-130	.1	1.97	4	ND	149	4	1.63	.1	18	72	66	4.94	.08	1.08	780	1	.01	43	.11	13	ND	ND	3	ND	59	4	ND	76
DKS-131	.1	2.45	ND	ND	165	ND	.64	.1	16	65	55	4.65	.08	.91	705	1	.01	40	.07	10	ND	ND	4	ND	49	7	ND	97
DKS-132	.1	1.89	20	ND	274	ND	2.18	.1	16	54	52	4.20	.06	1.06	740	1	.01	49	.15	14	ND	ND	5	ND	120	ND	ND	76
DKS-133	.1	2.29	13	ND	156	ND	2.66	.6	24	108	58	4.59	.01	2.20	763	ND	.01	82	.11	6	ND	ND	ND	ND	82	ND	ND	78
DKS-135A	.1	2.33	11	ND	189	4	.80	.1	16	62	53	4.52	.02	.86	880	1	.01	37	.08	14	ND	ND	4	ND	50	4	ND	95
DKS-135B	.1	2.57	ND	ND	202	ND	1.63	.1	17	58	54	4.62	.06	.93	877	1	.01	36	.08	12	ND	ND	ND	ND	61	ND	ND	104
DKS-136	.1	2.74	ND	ND	195	ND	1.20	.2	19	60	79	5.32	.01	1.16	786	ND	.01	43	.10	9	ND	ND	ND	ND	59	ND	ND	98
DKS-137	.1	2.33	7	ND	209	ND	.44	.1	11	30	30	3.22	.01	.46	458	1	.01	34	.06	11	ND	ND	3	ND	44	ND	ND	86
DKS-138	.1	2.09	11	ND	215	ND	.46	.5	13	59	47	4.58	.04	.75	458	1	.01	44	.08	11	ND	ND	6	ND	46	5	ND	83
DKS-139	.1	1.73	5	ND	177	ND	2.37	.3	13	40	42	3.00	.01	2.07	645	ND	.01	38	.14	2	ND	ND	ND	ND	217	ND	ND	77
DKS-141	.1	2.99	9	ND	279	ND	.43	.2	14	50	55	4.54	.05	.86	639	1	.01	48	.06	11	ND	ND	5	ND	69	ND	ND	107
DKS-142	.1	1.58	14	ND	195	ND	.34	.1	12	51	41	4.23	.01	.56	498	1	.01	32	.06	13	ND	ND	8	ND	43	ND	ND	78
DKS-143	.1	2.37	21	ND	246	ND	.43	.1	16	60	61	5.09	.01	.94	678	1	.01	57	.08	10	ND	ND	7	ND	60	ND	ND	98
DKS-144	.1	1.83	ND	ND	299	ND	4.05	.3	12	48	47	3.58	.01	2.52	722	ND	.01	40	.16	8	ND	ND	ND	ND	378	ND	ND	97
DKS-145	.1	2.61	ND	ND	185	ND	.64	.1	15	60	43	4.22	.01	.76	609	1	.01	37	.07	8	ND	ND	ND	ND	55	ND	ND	95
DKS-146	.1	1.72	ND	ND	155	ND	1.66	.1	13	57	47	3.91	.01	.85	595	ND	.01	34	.10	7	ND	ND	ND	ND	69	ND	ND	64
DKS-147	.1	2.31	3	ND	226	ND	.66	.2	16	69	52	4.49	.01	.83	1112	ND	.01	44	.08	10	ND	ND	ND	ND	60	ND	ND	113
DKS-148	.1	2.17	ND	ND	154	ND	.69	.1	15	56	45	4.10	.02	.77	825	1	.01	34	.07	10	ND	ND	ND	ND	52	ND	ND	91
DKS-149	.1	2.63	ND	ND	142	ND	.60	.1	15	55	40	4.41	.01	1.01	565	ND	.01	38	.03	5	ND	ND	ND	ND	60	ND	ND	77
DKS-150	.1	1.83	ND	ND	93	ND	.71	.1	16	82	59	4.69	.01	.86	606	1	.01	44	.10	9	ND	ND	ND	ND	55	ND	ND	67
PK-84	.1	2.95	ND	ND	71	3	1.06	.1	17	51	72	5.25	.01	1.04	508	1	.01	34	.08	ND	ND	ND	ND	ND	59	ND	ND	93
BLO 00+00N 0+00	.1	2.54	27	ND	175	ND	3.97	.1	20	64	125	4.72	.01	1.97	895	ND	.01	42	.13	3	ND	ND	ND	ND	143	ND	ND	91
BLO 00+00N 0+25E	.1	2.81	18	ND	187	ND	2.50	.1	24	72	141	5.33	.01	2.00	1109	ND	.01	46	.12	4	ND	ND	ND	ND	109	ND	ND	102
BLO 00+00N 0+50E	.1	3.44	9	ND	166	ND	1.95	.6	23	47	96	5.08	.01	2.09	1173	ND	.01	33	.11	ND	ND	ND	ND	ND	117	ND	ND	251
BLO 00+00N 0+25W	.1	1.91	6	ND	146	ND	1.36	.1	20	50	63	4.16	.01	1.46	955	ND	.01	45	.14	8	ND	ND	ND	ND	93	ND	ND	90
BLO 00+00N 0+50W	.1	1.76	ND	ND	203	ND	1.87	.4	16	52	65	3.83	.01	1.33	768	ND	.01	43	.12	6	ND	ND	ND	ND	92	ND	ND	78
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BLO 00+00N 0+75W	.1	.91	ND	ND	113	ND	2.53	.1	15	34	65	3.23	.01	1.49	668	ND	.01	34	.08	6	ND	ND	ND	ND	115	ND	ND	57
BLO 00+00N 1+00W	.1	.54	108	ND	58	ND	4.23	.1	33	21	87	3.42	.01	3.03	1090	ND	.01	42	.07	12	ND	ND	6	ND	159	ND	ND	52
BLO 00+00N 1+25W	.1	1.95	7	ND	184	ND	2.26	.1	15	63	71	3.18	.01	1.73	637	ND	.01	40	.09	7	ND	ND	ND	ND	78	ND	ND	56
BLO 00+00N 1+50W	.1	1.52	ND	ND	124	ND	.63	.3	12	39	42	2.86	.01	.93	641	1	.01	32	.09	8	ND	ND	ND	ND	66	ND	ND	65
BLO 00+00N 1+75E	.1	1.54	ND	ND	128	ND	1.24	.1	12	37	39	2.80	.01	1.05	633	1	.01	32	.10	8	ND	ND	ND	ND	93	ND	ND	63
BLO 00+00N 2+00W	.1	1.59	ND	ND	131	ND	.67	.1	13	39	46	3.01	.01	.95	715	1	.01	34	.10	8	ND	ND	ND	ND	59	ND	ND	66
BLO 00+00N 3+10W	.1	2.60	8	ND	72	ND	1.62	.4	20	39	100	4.51	.01	2.10	1084	1	.01	33	.11	5	ND	ND	ND	ND	46	ND	ND	86
BLO 00+25N 0+00	.1	2.01	45	ND	111	ND	1.97	.1	18	52	80	3.78	.01	1.76	767	1	.01	35	.08	27	ND	ND	ND	ND	113	ND	ND	63
BLO 00+50N 0+00	.1	2.81	ND	ND	163	ND	2.61	.1	27	87	119	5.30	.01	3.15	1101	ND	.01	49	.09	5	ND	ND	ND	ND	103	ND	ND	75
BLO 00+75N 0+00	.1	3.69	ND	ND	359	ND	6.64	.1	25	93	160	5.22	.01	3.83	1477	ND	.01	38	.06	8	ND	ND	ND	ND	160	ND	ND	60
BLO 01+00N 0+00	.1	.49	121	ND	55	4	3.79	.1	27	19	85	3.28	.01	2.66	934	1	.01	36	.07	12	ND	ND	8	ND	139	ND	ND	47
BLO 01+00N 0+25E	.1	2.88	19	ND	90	ND	1.70	.1	21	13	47	5.81	.01	1.99	911	1	.01	15	.07	4	ND	ND	ND	ND	56	ND	ND	79
BLO 01+00N 0+25W	.1	1.96	3	ND	184	ND	2.23	.2	15	62	72	3.19	.01	1.70	624	ND	.01	43	.09	6	ND	ND	ND	ND	76	ND	ND	56
BLO 01+00N 0+50W	.1	1.58	ND	ND	152	ND	2.49	.1	13	29	44	3.14	.01	1.11	697	ND	.01	28	.08	10	ND	ND	ND	ND	142	ND	ND	82
BLO 01+00N 0+75W	.1	3.87	ND	ND	316	ND	6.23	.1	24	107	163	5.19	.01	3.93	1422	ND	.01	39	.07	6	ND	ND	ND	ND	146	ND	ND	63
BLO 01+00N 1+00W	.1	.99	ND	ND	148	ND	3.32	.2	13	31	54	2.92	.01	1.30	641	1	.01	33	.08	10	ND	ND	ND	ND	131	ND	4	52
BLO 01+00N 1+25W	.1	1.69	ND	ND	122	ND	1.43	.1	19	41	48	3.34	.01	2.69	776	1	.01	56	.10	9	ND	ND	ND	ND	110	ND	ND	84
BLO 01+00N 1+50W	.1	1.41	3	ND	120	ND	2.14	.1	17	29	78	3.60	.01	1.36	984	1	.01	32	.11	12	ND	ND	ND	ND	87	ND	ND	94
BLO 01+00N 1+75W	.1	1.38	ND	ND	112	ND	1.11	.1	12	36	39	2.72	.01	.99	565	1	.01	31	.10	11	ND	ND	ND	ND	63	ND	ND	58
BLO 01+00N 2+00W	.1	1.59	ND	ND	136	ND	.80	.1	13	40	45	3.01	.01	.95	642	1	.01	32	.10	7	ND	ND	3	ND	62	ND	ND	63
BLO 01+00N 2+25W	.1	1.25	ND	ND	112	ND	1.62	.2	11	35	38	2.58	.02	1.03	537	1	.01	38	.09	11	ND	ND	ND	ND	102	ND	ND	53
BLO 01+00N 2+75W	.1	2.62	ND	ND	79	ND	2.03	.2	19	74	79	3.71	.01	2.29	999	1	.01	48	.09	9	ND	ND	ND	ND	66	ND	ND	70
BLO 01+25N 0+00	.1	2.69	ND	ND	148	ND	5.20	.1	28	151	93	4.01	.01	4.52	907	ND	.01	93	.06	10	ND	ND	ND	ND	144	ND	ND	46
BLO 01+50N 0+00	.1	2.44	8	ND	134	3	1.10	.1	19	68	75	3.99	.01	1.90	849	1	.01	45	.08	8	ND	ND	ND	ND	58	ND	ND	70
BLO 01+75N 0+00	.1	1.33	ND	ND	72	ND	3.14	.3	13	41	45	2.69	.01	2.00	695	2	.01	56	.09	13	ND	ND	ND	ND	262	ND	ND	35
BLO 02+00N 0+00	.1	1.21	6	ND	77	4	1.68	.1	10	31	37	2.28	.03	.88	423	1	.01	32	.08	13	ND	ND	ND	ND	65	ND	ND	47
BLO 02+00N 0+20E	.1	1.39	ND	ND	95	ND	2.26	.1	12	38	49	2.85	.01	1.25	565	2	.01	28	.09	12	ND	ND	ND	ND	89	ND	ND	53
BLO 02+00N 0+45E	.1	1.89	42	ND	131	ND	2.47	.1	15	111	70	3.15	.01	1.58	701	ND	.01	62	.09	11	ND	ND	ND	ND	119	ND	ND	59
BLO 02+00N 0+25W	.1	1.13	ND	ND	83	ND	2.32	.3	10	36	34	2.23	.02	.89	417	1	.01	29	.08	13	ND	ND	ND	ND	76	ND	ND	46
BLO 02+00N 0+50W	.1	1.73	ND	ND	129	ND	.77	.4	13	36	45	3.01	.06	.97	623	1	.01	35	.10	14	ND	ND	ND	ND	59	ND	3	66
BLO 02+00N 0+75W	.1	1.57	ND	ND	127	ND	.97	.5	13	39	42	3.02	.07	1.04	619	1	.01	32	.10	13	ND	ND	ND	ND	70	ND	ND	62
BLO 02+00N 1+00W	.1	1.20	ND	ND	91	ND	1.68	.1	11	35	35	2.47	.02	1.06	478	1	.01	30	.09	16	ND	ND	ND	ND	101	ND	ND	53
BLO 02+00N 1+25W	.1	1.67	ND	ND	116	ND	2.53	.1	14	43	53	3.00	.04	1.26	602	1	.01	40	.10	19	ND	ND	ND	ND	88	ND	ND	69
BLO 02+00N 1+50W	.1	1.52	ND	ND	133	ND	2.06	.3	12	37	43	2.86	.03	1.03	539	1	.01	30	.10	16	ND	ND	ND	ND	95	ND	ND	56
BLO 02+00N 1+75W	.1	1.81	ND	ND	150	ND	.63	.2	15	43	48	3.35	.08	.97	823	1	.01	38	.08	14	ND	ND	ND	ND	64	ND	ND	79
BLO 02+00N 2+00W	.1	1.78	ND	ND	227	4	2.18	.4	14	42	47	3.10	.05	1.32	639	1	.01	36	.10	15	ND	ND	ND	ND	120	ND	ND	63
BLO 02+25N 0+00	.1	1.15	ND	ND	88	ND	2.71	.4	10	30	33	2.22	.01	1.11	420	1	.01	30	.08	14	ND	ND	ND	ND	102	ND	ND	47
BLO 02+50N 0+00	.1	2.07	4	ND	129	3	.82	.4	15	36	62	3.14	.07	1.10	707	1	.01	35	.10	11	ND	ND	ND	ND	66	ND	ND	70
BLO 02+75N 0+00	.1	2.05	4	ND	131	ND	.68	.1	15	43	61	3.22	.07	1.07	714	1	.01	40	.10	15	ND	ND	ND	ND	57	ND	ND	67
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BLO 03+00N 0+00	.1	1.91	ND	ND	124	ND	.83	.4	16	35	50	3.32	.04	1.06	687	1	.01	37	.08	8	ND	ND	ND	ND	62	ND	ND	64
BLO 03+00N 0+15E	.1	.35	51	ND	18	ND	3.70	.1	18	6	65	3.64	.01	1.53	809	1	.01	18	.12	13	ND	ND	6	ND	156	ND	ND	56
BLO 03+00N 0+30E	.1	1.37	36	ND	109	ND	2.86	.1	17	14	51	4.33	.06	1.45	691	ND	.01	22	.08	10	ND	ND	ND	ND	113	ND	ND	69
BLO 03+00N 0+25W	.1	1.64	ND	ND	127	ND	3.45	.1	14	39	49	3.02	.07	1.08	598	ND	.01	33	.10	9	ND	ND	ND	ND	94	ND	ND	55
BLO 03+00N 0+50W	.1	1.64	ND	ND	107	ND	.81	.4	15	46	37	3.39	.08	1.00	643	ND	.01	36	.08	6	ND	ND	3	ND	53	ND	ND	61
BLO 03+00N 0+75W	.1	1.46	ND	ND	127	ND	1.82	.2	14	34	31	2.87	.10	1.00	604	ND	.01	26	.08	6	ND	ND	ND	ND	109	ND	ND	51
BLO 03+00N 1+00W	.1	1.62	ND	ND	151	ND	1.70	.3	17	61	48	3.64	.08	1.33	782	ND	.01	42	.10	13	ND	ND	ND	ND	110	ND	ND	64
BLO 03+00N 1+25W	.1	1.85	ND	ND	198	ND	2.22	.1	19	71	73	4.05	.11	1.41	926	ND	.01	52	.10	11	ND	ND	ND	ND	87	ND	ND	79
BLO 03+00N 1+75W	.1	1.75	ND	ND	79	ND	2.61	.2	15	61	51	3.13	.08	1.91	624	ND	.01	58	.08	9	ND	ND	ND	ND	109	ND	ND	69
BLO 03+00N 2+00W	.1	.96	ND	ND	73	ND	2.54	.4	13	37	56	3.16	.06	1.53	649	ND	.01	35	.08	9	ND	ND	ND	ND	94	ND	ND	61
BLO 03+00N 2+25W	.1	1.95	10	ND	121	ND	3.20	.3	17	41	45	3.91	.06	1.63	773	ND	.01	36	.08	6	ND	ND	ND	ND	110	ND	ND	70
BLO 03+00N 2+40W	.1	1.85	71	ND	64	ND	4.92	.1	21	32	47	4.76	.01	1.56	1272	1	.01	29	.10	14	ND	ND	ND	ND	132	ND	ND	92
BLO 03+00N 2+50W	.1	1.54	5	ND	75	ND	2.83	.1	15	71	48	3.12	.07	1.66	648	ND	.01	52	.08	8	ND	ND	ND	ND	143	ND	ND	63
BLO 03+25N 0+00	.1	1.12	ND	ND	35	ND	3.17	.1	25	36	100	4.24	.06	1.97	826	ND	.01	31	.13	10	ND	ND	ND	ND	115	ND	ND	58
BLO 03+50N 0+00	.1	2.37	6	ND	87	ND	2.90	.1	25	11	114	5.67	.08	1.61	954	ND	.01	15	.13	ND	ND	ND	ND	ND	127	ND	ND	74
BLO 03+75N 0+00	.1	.96	ND	ND	56	ND	4.15	.1	24	8	102	5.44	.05	1.46	1191	ND	.01	16	.13	13	ND	ND	ND	ND	81	ND	ND	71
BLO 4+00N 0+00	.1	2.47	ND	ND	152	ND	3.22	.1	30	13	122	5.57	.05	1.75	1060	ND	.01	25	.12	1	ND	ND	ND	ND	96	ND	ND	73
BLO 04+00N 0+25E	.1	.93	ND	ND	77	ND	2.16	.1	20	105	78	3.84	.05	1.87	733	ND	.01	63	.08	8	ND	ND	ND	ND	138	ND	ND	58
BLO 04+00N 0+50E	.1	2.62	53	ND	112	ND	4.19	.1	28	180	200	3.95	.01	4.35	1151	ND	.01	102	.08	1	ND	ND	ND	ND	151	ND	ND	64
BLO 04+00N 0+25W	.1	2.17	4	ND	166	3	2.06	.2	17	50	74	4.00	.06	1.46	770	ND	.01	39	.10	5	ND	ND	ND	ND	67	ND	ND	77
BLO 04+00N 0+50W	.2	1.63	ND	ND	126	ND	.63	.4	14	46	36	3.22	.08	.80	690	1	.01	47	.08	10	ND	ND	4	ND	43	ND	ND	68
BLO 04+00N 0+75W	.4	1.70	ND	ND	126	ND	.61	.3	15	41	32	3.20	.11	.91	737	ND	.01	35	.07	11	ND	ND	3	ND	51	4	ND	62
BLO 04+00N 1+00W	.2	1.08	ND	ND	88	ND	2.02	.1	11	30	23	2.29	.08	.96	476	ND	.01	24	.08	10	ND	ND	ND	ND	128	ND	ND	45
BLO 04+00N 1+25W	.1	1.83	ND	ND	135	ND	2.16	.3	18	35	60	3.25	.10	1.41	814	ND	.01	42	.10	13	ND	ND	ND	ND	102	ND	ND	76
BLO 04+00N 1+50W	.1	1.70	ND	ND	147	ND	3.77	.2	17	58	61	3.54	.06	1.46	838	ND	.01	44	.08	11	ND	ND	ND	ND	116	ND	ND	65
BLO 04+00N 1+75W	.1	1.92	ND	ND	116	ND	2.68	.2	15	53	54	3.25	.10	1.50	684	ND	.01	50	.10	10	ND	ND	ND	ND	83	ND	ND	72
BLO 04+00N 2+00W	.1	1.68	ND	ND	97	ND	1.87	.5	14	42	46	2.95	.10	1.11	607	ND	.01	38	.08	8	ND	ND	ND	ND	68	ND	ND	60
BLO 04+00N 2+25W	.1	1.56	ND	ND	96	ND	.79	.4	14	38	38	2.97	.11	.96	651	ND	.01	37	.07	7	ND	ND	ND	ND	58	ND	ND	61
BLO 04+00N 2+50W	.1	1.95	ND	ND	118	ND	.58	.2	17	64	44	3.65	.08	1.06	684	ND	.01	44	.06	4	ND	ND	ND	ND	50	ND	ND	64
BLO 4+50N 0+00	.1	1.68	ND	ND	128	ND	2.79	.2	15	50	59	3.59	.08	1.16	677	ND	.01	33	.08	6	ND	ND	ND	ND	66	ND	ND	63
BLO 4+75N 0+00	.1	1.58	ND	ND	144	ND	3.34	.1	18	40	61	3.55	.06	1.37	747	ND	.01	35	.10	10	ND	ND	ND	ND	105	ND	ND	62
BLO 5+00N 0+00	.1	2.00	ND	ND	176	ND	4.89	.1	15	47	48	3.37	.02	1.97	656	ND	.01	38	.08	13	ND	ND	ND	ND	254	ND	ND	65
BLO 05+00N 0+15E	.1	1.83	5	ND	102	ND	2.12	.2	25	54	72	4.75	.07	1.60	977	ND	.01	49	.11	7	ND	ND	ND	ND	83	ND	ND	78
BLO 05+00N 0+25E	.1	1.76	6	ND	132	ND	2.67	.1	18	34	45	3.72	.06	1.98	876	ND	.01	36	.11	8	ND	ND	ND	ND	152	ND	ND	72
BLO 05+00N 0+25W	.1	2.38	ND	ND	123	ND	.85	.2	19	51	61	4.07	.08	1.37	974	1	.01	39	.10	6	ND	ND	ND	ND	47	ND	ND	86
BLO 05+00N 0+50W	.1	1.70	ND	ND	123	ND	.56	.2	13	40	27	2.97	.08	.85	580	ND	.01	35	.08	9	ND	ND	ND	ND	54	ND	ND	60
BLO 05+00N 0+75W	.2	1.51	ND	ND	108	ND	.50	.3	13	40	26	2.86	.07	.77	562	ND	.01	31	.08	7	ND	ND	ND	ND	43	ND	ND	59
BLO 05+00N 1+00W	.1	1.21	ND	ND	100	ND	3.12	.1	12	29	28	2.41	.06	1.04	500	ND	.01	25	.08	8	ND	ND	ND	ND	127	ND	ND	48
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BLO 05+00N 1+25W	.1	2.09	ND	ND	141	ND	.92	.2	17	39	53	3.64	.07	1.18	761	ND	.01	39	.10	9	ND	ND	ND	ND	66	4	ND	71
BLO 05+00N 1+50W	.1	.34	49	ND	18	ND	4.05	.1	19	6	75	3.90	.01	1.66	870	ND	.01	18	.13	8	ND	ND	5	ND	169	ND	ND	60
BLO 05+00N 1+75W	.1	1.47	29	ND	122	ND	3.06	.1	17	16	61	4.62	.01	1.55	737	ND	.01	22	.09	5	ND	ND	ND	ND	121	ND	ND	73
BLO 05+00N 2+00W	.1	1.78	3	ND	143	ND	3.73	.4	15	44	59	3.24	.01	1.16	642	ND	.01	38	.11	8	ND	ND	ND	ND	99	ND	ND	59
BLO 05+00N 2+25W	.1	1.75	3	ND	118	5	.80	.2	16	50	47	3.62	.04	1.06	687	1	.01	40	.09	9	ND	ND	4	ND	53	3	4	66
BLO 05+00N 2+50W	.1	1.55	ND	ND	139	ND	1.93	.1	14	36	43	3.05	.02	1.06	643	ND	.01	31	.09	10	ND	ND	ND	ND	113	ND	ND	54
BLO 05+25N 0+00	.1	1.70	3	ND	164	5	1.78	.1	17	65	60	3.82	.04	1.39	823	ND	.01	44	.10	10	ND	ND	ND	ND	113	ND	ND	67
BLO 05+50N 0+00	.1	2.02	ND	ND	224	ND	2.43	.1	20	79	84	4.40	.03	1.54	1010	ND	.01	60	.11	12	ND	ND	ND	ND	92	ND	ND	86
BLO 05+75N 0+00	.1	1.90	ND	ND	85	ND	2.83	.2	16	66	59	3.38	.02	2.08	673	ND	.01	63	.10	8	ND	ND	ND	ND	117	ND	ND	75
BLO 06+00N 0+00	.1	1.02	3	ND	79	ND	2.74	.4	13	40	67	3.39	.01	1.64	700	ND	.01	42	.09	11	ND	ND	ND	ND	100	ND	ND	66
BLO 6+00N 0+25E	.1	2.11	5	ND	136	ND	3.47	.1	18	44	56	4.23	.01	1.77	837	ND	.01	43	.09	6	ND	ND	ND	ND	117	ND	ND	76
BLO 6+00N 0+40E	.1	1.92	64	ND	67	ND	5.14	.1	22	32	56	4.95	.01	1.61	1329	1	.01	34	.10	12	ND	ND	ND	ND	136	ND	ND	97
BLO 6+25N 0+00	.1	1.65	4	ND	83	ND	3.00	.1	16	77	59	3.31	.01	1.78	685	ND	.01	60	.10	10	ND	ND	ND	ND	151	ND	3	67
BLO 6+50N 0+00	.1	1.20	7	ND	40	ND	3.42	.1	26	38	112	4.56	.01	2.12	891	ND	.01	36	.14	5	ND	ND	ND	ND	123	ND	ND	62
BLO 6+75N 0+00	.1	2.55	6	ND	97	ND	3.08	.1	26	11	123	6.04	.01	1.71	1020	ND	.01	20	.14	2	ND	ND	ND	ND	136	ND	ND	79
BLO 7+00N 0+00	.1	1.02	ND	ND	63	ND	4.51	.1	25	8	114	5.88	.01	1.58	1295	ND	.01	20	.14	7	ND	ND	ND	ND	87	ND	ND	77
BLO 7+00N 0+20E	.1	2.60	ND	ND	166	ND	3.39	.1	33	14	131	5.85	.01	1.84	1119	ND	.01	30	.12	3	ND	ND	ND	ND	101	ND	ND	78
BLO 7+00N 0+50E	.1	.97	ND	ND	84	ND	2.29	.1	21	116	88	4.11	.01	2.03	786	ND	.01	73	.10	4	ND	ND	ND	ND	148	ND	ND	62
BLO 7+00N 0+25W	.1	2.85	42	ND	125	ND	4.48	.1	30	196	210	4.19	.01	4.68	1229	ND	.01	111	.09	ND	ND	ND	ND	ND	161	ND	9	69
BLO 7+00N 0+50W	.1	2.35	ND	ND	186	ND	2.16	.2	17	52	82	4.30	.01	1.53	821	ND	.01	43	.11	4	ND	ND	ND	ND	69	ND	ND	83
BLO 7+00N 0+75W	.1	1.74	ND	ND	140	ND	.63	.3	14	48	45	3.38	.03	.83	727	ND	.01	46	.08	9	ND	ND	ND	ND	43	7	ND	72
BLO 7+00N 1+00W	.1	1.82	4	ND	141	ND	.64	.3	16	44	43	3.42	.05	.97	789	ND	.01	39	.08	10	ND	ND	3	ND	53	4	ND	67
BLO 7+25N 0+00	.1	1.13	ND	ND	95	ND	2.14	.2	11	31	33	2.41	.01	1.01	500	ND	.01	29	.09	7	ND	ND	ND	ND	135	ND	ND	46
BLO 7+50N 0+00	.1	1.94	ND	ND	147	ND	2.26	.1	18	37	69	3.41	.04	1.47	855	ND	.01	47	.11	10	ND	ND	ND	ND	104	ND	ND	80
BLO 7+75N 0+00	.1	1.76	ND	ND	159	ND	3.93	.1	17	60	70	3.69	.01	1.52	873	ND	.01	50	.10	6	ND	ND	ND	ND	120	ND	ND	69
BLO 8+00N 0+00	.1	2.10	ND	ND	132	ND	2.90	.1	16	58	66	3.54	.01	1.62	742	ND	.01	59	.11	7	ND	ND	ND	ND	89	ND	ND	79
BLO 8+00N 0+25E	.1	1.81	ND	ND	107	ND	1.99	.1	14	45	57	3.15	.01	1.18	650	ND	.01	45	.09	5	ND	ND	ND	ND	71	ND	ND	64
BLO 8+00N 0+50E	.1	1.71	ND	ND	109	ND	.82	.4	15	42	50	3.23	.02	1.05	710	ND	.01	42	.07	11	ND	ND	ND	ND	61	ND	ND	67
BLO 8+00N 0+25W	.1	2.98	ND	ND	112	ND	.79	.1	19	54	70	4.90	.09	1.62	815	ND	.01	42	.07	5	ND	ND	ND	ND	60	ND	ND	87
BLO 8+00N 0+50W	.1	2.13	ND	ND	133	ND	.60	.4	18	71	57	3.96	.01	1.14	743	ND	.01	50	.06	2	ND	ND	ND	ND	52	ND	4	70
BLO 8+00N 0+75W	.1	1.80	5	ND	143	ND	3.02	.1	16	53	71	3.85	.01	1.26	726	ND	.01	41	.09	8	ND	ND	ND	ND	70	ND	ND	67
BLO 8+00N 1+00W	.1	1.71	ND	ND	162	ND	3.61	.3	19	43	72	3.83	.01	1.48	807	ND	.01	37	.11	6	ND	ND	ND	ND	113	ND	ND	67
BLO 8+00N 1+25W	.1	2.18	ND	ND	199	ND	5.31	.1	16	50	58	3.64	.01	2.16	709	ND	.01	47	.10	8	ND	ND	ND	ND	278	ND	ND	71
BLO 08+25N 0+00	.1	1.96	ND	ND	112	ND	2.22	.1	26	57	83	5.09	.01	1.71	1051	ND	.01	59	.12	5	ND	ND	ND	ND	86	ND	ND	84
BLO 08+50N 0+00	.1	1.80	4	ND	143	ND	2.77	.1	18	35	55	3.83	.01	2.08	907	ND	.01	38	.11	5	ND	ND	ND	ND	157	ND	ND	75
BLO 08+75N 0+00	.1	2.52	ND	ND	134	ND	.83	.2	19	53	71	4.23	.02	1.42	1017	ND	.01	43	.10	5	ND	ND	ND	ND	46	ND	ND	90
BLO 09+00N 0+00	.1	1.81	ND	ND	136	ND	.56	.1	14	43	39	3.14	.01	.89	612	ND	.01	39	.09	6	ND	ND	ND	ND	55	ND	ND	64
BLO 09+00N 0+25E	.1	1.56	3	ND	117	ND	.50	.2	13	42	34	2.98	.01	.79	585	ND	.01	36	.08	9	ND	ND	ND	ND	43	ND	ND	62
BLO 09+00N 0+50E	.1	1.28	ND	ND	111	ND	3.37	.2	12	31	40	2.57	.01	1.10	531	ND	.01	34	.09	8	ND	ND	ND	ND	136	ND	ND	51
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BLO 09+00W 0+25W	.1	1.92	ND	ND	159	ND	.80	.3	18	48	57	4.04	.11	.91	926	1	.01	38	.08	8	ND	ND	ND	ND	38	ND	ND	73
BLO 09+00W 0+50W	.1	1.12	ND	ND	170	ND	4.55	.1	27	28	110	4.91	.05	1.53	1512	1	.01	32	.10	8	ND	ND	ND	ND	84	ND	ND	72
BLO 09+00W 0+75W	.1	1.27	ND	ND	273	ND	2.40	.1	12	8	45	4.37	.12	.68	1279	1	.01	11	.10	5	ND	ND	ND	ND	48	ND	ND	87
BLO 09+00W 1+00W	.1	1.76	ND	ND	240	ND	2.67	.1	14	37	44	3.87	.13	1.00	831	1	.01	26	.07	3	ND	ND	ND	ND	56	ND	ND	70
BLO 09+00W 1+25W	.4	1.18	ND	ND	83	4	1.45	.2	17	46	32	3.00	.11	1.11	544	1	.01	49	.08	6	ND	ND	ND	ND	82	ND	ND	54
BLO 09+25N 0+00	.2	1.73	7	ND	159	ND	1.14	.2	19	38	63	4.30	.15	.83	835	1	.01	28	.06	6	ND	ND	ND	ND	42	ND	ND	77
BLO 09+50N 0+00	.3	1.52	4	ND	164	ND	.45	.3	19	36	53	4.32	.15	.59	931	2	.01	28	.06	10	ND	ND	ND	ND	37	ND	ND	90
BLO 09+75N 0+00	.3	1.54	4	ND	253	ND	.68	.5	23	31	65	4.58	.16	.64	971	2	.01	31	.08	15	ND	ND	ND	ND	42	ND	ND	86
BLO 10+00N 0+00	.1	2.11	ND	ND	238	ND	1.53	.4	26	39	78	5.20	.17	.91	1129	1	.01	34	.10	7	ND	ND	ND	ND	51	ND	ND	100
BLO 10+00N 0+25E	.1	1.20	4	ND	151	ND	2.92	.1	29	16	81	4.87	.16	.83	1190	1	.01	13	.13	1158	ND	ND	ND	ND	57	ND	ND	89
BLO 10+00N 0+50E	.1	2.31	ND	ND	124	ND	1.20	.4	25	51	92	5.73	.17	1.54	933	1	.01	40	.08	19	ND	ND	ND	ND	42	ND	ND	85
BLO 10+00N 0+60E	.2	2.41	ND	ND	95	3	2.13	.1	23	66	177	3.77	.15	2.41	854	1	.01	49	.05	7	ND	ND	ND	ND	60	ND	ND	71
BLO 10+00N 0+25W	.5	2.06	ND	ND	150	ND	.59	.5	17	49	52	4.20	.17	.78	964	1	.01	34	.05	14	ND	ND	ND	ND	35	ND	ND	78
BLO 10+00N 0+50W	.4	1.81	ND	ND	178	ND	2.62	.2	19	47	64	4.25	.17	1.13	993	1	.01	44	.08	394	ND	ND	ND	ND	61	ND	ND	81
BLO 10+00N 0+75W	.1	1.95	ND	ND	186	ND	3.57	.2	24	75	71	4.58	.14	1.64	1115	1	.01	81	.08	11	ND	ND	ND	ND	89	ND	ND	80
BLO 10+00N 1+00W	.3	1.72	ND	ND	281	ND	1.35	.5	15	31	55	4.41	.20	.79	1330	1	.01	25	.07	14	ND	ND	ND	ND	45	ND	ND	111
BLO 10+00N 1+25W	.6	1.45	ND	ND	266	ND	.55	.1	11	27	37	3.40	.19	.58	1000	1	.01	17	.03	8	ND	ND	ND	ND	30	6	ND	92
BLO 10+00N 1+50W	.6	2.08	ND	ND	292	ND	.58	.5	16	40	48	3.97	.20	.88	1057	1	.01	32	.05	7	ND	ND	ND	ND	36	ND	ND	89
BLO 10+00N 1+75W	.5	1.58	ND	ND	211	ND	.48	.6	15	39	36	3.62	.17	.71	1091	2	.01	30	.06	9	ND	ND	ND	ND	31	ND	ND	88
BLO 10+00N 2+00W	.6	1.62	ND	ND	122	ND	.54	.4	16	49	38	3.34	.17	.89	678	1	.01	40	.08	12	ND	ND	ND	ND	42	ND	3	66
BLO 10+25N 0+00	.1	2.18	ND	ND	196	ND	1.98	.8	23	49	82	5.19	.19	1.18	1121	2	.01	44	.08	10	ND	ND	ND	ND	51	ND	ND	94
BLO 10+50N 0+00	.4	2.43	ND	ND	157	ND	.91	.4	22	37	81	4.99	.20	1.08	1226	1	.01	33	.08	10	ND	ND	ND	ND	31	ND	ND	95
BLO 10+75N 0+00	.8	2.22	ND	ND	146	ND	.77	.5	19	41	69	4.49	.19	.88	1038	2	.01	32	.07	10	ND	ND	ND	ND	41	ND	ND	83
BLO 11+00N 0+00	.6	2.25	ND	ND	156	ND	.55	.4	16	36	45	4.00	.20	.72	921	2	.01	26	.05	8	ND	ND	ND	ND	35	ND	ND	92
BLO 11+00N 0+25E	.6	1.77	ND	ND	126	ND	.61	.5	17	44	52	4.16	.20	.78	934	2	.01	33	.06	10	ND	ND	ND	ND	33	ND	ND	80
BLO 11+00N 0+50E	.6	2.12	ND	ND	170	ND	.55	.3	17	37	54	3.57	.20	.70	913	1	.01	29	.08	13	ND	ND	ND	ND	41	ND	ND	92
BLO 11+00N 0+75E	.6	2.33	ND	ND	200	ND	.56	.6	17	31	55	3.77	.20	.73	906	1	.01	27	.07	9	ND	ND	ND	ND	44	ND	ND	93
BLO 11+00N 0+25W	.3	2.27	ND	ND	174	ND	.65	.4	18	39	58	4.05	.17	.86	1015	1	.01	31	.07	9	ND	ND	ND	ND	43	ND	ND	87
BLO 11+00N 0+50W	.3	2.04	ND	ND	165	ND	1.43	.5	17	39	63	4.35	.17	.91	953	2	.01	33	.08	13	ND	ND	ND	ND	41	ND	ND	80
BLO 11+00N 0+75W	.4	2.06	ND	ND	248	ND	.53	.3	16	25	48	4.57	.20	.73	1228	2	.01	20	.07	8	ND	ND	ND	ND	30	ND	ND	97
BLO 11+00N 1+00W	.2	1.82	ND	ND	295	ND	.60	.5	19	30	51	5.94	.19	.94	1752	1	.01	26	.08	11	ND	ND	ND	ND	26	ND	ND	117
BLO 11+00N 1+25W	.1	2.34	ND	ND	169	ND	3.50	.3	23	74	98	5.20	.14	1.58	1224	1	.01	57	.11	7	ND	ND	ND	ND	53	ND	ND	88
BLO 11+00N 1+75W	.3	1.50	7	ND	126	ND	1.23	.3	16	31	50	5.10	.20	.73	1285	2	.01	25	.08	12	ND	ND	ND	ND	29	ND	ND	98
BLO 11+00N 2+00W	.3	1.47	9	ND	186	ND	1.04	.6	14	23	40	5.24	.20	.79	1227	2	.01	24	.08	13	ND	ND	ND	ND	28	ND	ND	116
BLO 11+25N 0+00	.1	1.83	7	ND	141	ND	4.39	.3	16	36	65	4.05	.14	1.00	781	1	.01	28	.11	12	ND	ND	ND	ND	72	ND	ND	63
BLO 11+50N 0+00	.6	1.79	7	ND	120	ND	.83	.5	17	40	59	4.19	.22	.72	793	2	.01	33	.07	9	ND	ND	ND	ND	38	5	ND	70
BLO 11+75N 0+00	.5	1.67	ND	ND	130	ND	1.81	.3	14	30	48	3.39	.20	.97	816	1	.01	26	.07	9	ND	ND	ND	ND	119	ND	ND	67
BLO 12+00N 0+00	.6	1.64	5	ND	130	ND	.46	.5	18	40	50	4.25	.20	.77	954	2	.01	27	.05	15	ND	ND	ND	ND	49	3	ND	83
BLO 12+00N 0+25E	.6	2.16	ND	ND	169	ND	.52	.5	19	51	58	4.05	.20	.83	1023	1	.01	36	.06	13	ND	ND	ND	ND	52	ND	ND	83
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BL0 12+00N 0+50E	.1	2.06	ND	ND	200	ND	.52	.1	16	35	60	3.87	.05	.72	1003	1	.01	29	.06	11	ND	ND	3	ND	41	3	ND	79
BL0 12+00N 0+25W	.1	2.31	ND	ND	150	3	.54	.3	15	40	43	3.54	.13	.72	918	1	.01	32	.07	12	ND	ND	ND	ND	49	7	ND	89
BL0 12+00N 0+50W	.1	2.50	ND	ND	176	ND	.65	.3	18	39	59	4.29	.07	.81	1015	1	.01	28	.08	18	ND	ND	3	ND	45	ND	ND	95
BL0 12+00N 0+75W	.1	2.42	ND	ND	172	ND	.64	.2	18	48	58	4.41	.08	.81	1008	1	.01	36	.08	10	ND	ND	3	ND	45	ND	ND	93
BL0 12+00N 1+00W	.1	2.40	ND	ND	153	ND	.55	.2	17	40	48	4.20	.08	.71	1020	1	.01	30	.06	13	ND	ND	ND	ND	40	ND	ND	93
BL0 12+00N 1+25W	.1	2.67	ND	ND	257	ND	.79	.3	16	36	69	3.99	.05	.93	1203	1	.01	28	.05	8	ND	ND	ND	ND	41	ND	ND	80
BL0 12+00N 1+75W	.1	2.33	ND	ND	177	ND	.64	.1	16	49	45	4.29	.05	.71	1218	2	.01	35	.08	14	ND	ND	ND	ND	45	ND	ND	101
BL0 12+00N 2+00W	.1	1.95	ND	ND	240	ND	1.11	.1	14	34	47	4.66	.06	.77	1426	1	.01	28	.08	12	ND	ND	ND	ND	31	ND	ND	93
BL0 04+00N 0+25W	.1	2.41	8	ND	102	ND	3.16	.1	21	39	92	4.30	.01	1.82	975	1	.01	37	.10	8	ND	ND	ND	ND	83	ND	ND	88
BL0 04+00N 0+50W	.1	1.36	22	ND	100	ND	2.63	.2	17	16	72	3.90	.01	1.16	909	3	.01	21	.08	7	ND	ND	ND	ND	77	ND	ND	111
BL0 04+00N 0+75W	.1	3.34	ND	ND	147	ND	6.25	.1	24	29	67	4.51	.01	2.04	1603	ND	.01	18	.10	9	ND	ND	ND	ND	122	ND	ND	86
BL1 01+00N 0+50E	.1	2.75	12	ND	97	ND	2.56	.4	21	25	81	4.19	.01	1.29	1113	ND	.01	28	.12	8	ND	ND	ND	ND	47	ND	ND	102
BL1 01+00N 0+25W	.1	2.52	ND	ND	325	ND	6.49	.1	17	58	102	3.77	.01	1.47	815	ND	.01	41	.10	8	ND	ND	ND	ND	82	ND	ND	83
BL1 01+00N 0+50W	.1	1.62	ND	ND	158	ND	2.79	.1	12	22	50	3.65	.01	1.12	678	ND	.01	24	.07	4	ND	ND	ND	ND	54	ND	ND	97
BL1 01+00N 0+75W	.1	.89	9	ND	134	ND	1.26	.1	13	5	46	3.09	.01	.76	542	ND	.01	9	.07	4	ND	ND	ND	ND	30	ND	ND	90
BL1 02+00N 0+00	.1	3.25	ND	ND	137	ND	.83	.2	20	42	81	4.16	.03	1.29	899	1	.01	43	.08	9	ND	ND	3	ND	58	ND	ND	87
BL1 02+00N 0+25W	1.1	3.20	27	ND	76	ND	1.46	.2	19	39	138	5.05	.01	1.58	884	8	.01	38	.15	7	ND	ND	4	ND	48	ND	ND	120
BL1 02+00N 0+50W	.1	4.55	ND	ND	65	ND	10.53	1.2	19	14	95	3.02	.01	1.36	928	ND	.01	20	.08	10	ND	ND	ND	ND	134	ND	ND	60
BL1 02+00N 0+75W	.1	2.54	ND	ND	87	ND	3.09	.2	18	21	78	4.69	.01	1.27	1009	ND	.01	26	.11	5	ND	ND	ND	ND	62	ND	ND	118
BL1 02+00N 1+25W	.1	2.12	18	ND	96	ND	5.62	.1	15	20	70	4.01	.01	1.21	1089	ND	.01	19	.10	6	ND	ND	ND	ND	87	ND	ND	77
BL1 02+00N 1+50W	.1	2.75	10	ND	108	ND	1.18	.3	20	33	86	4.01	.04	1.39	1285	1	.01	39	.08	9	ND	ND	ND	ND	55	ND	ND	93
BL0 3+00N 0+00	.1	2.43	ND	ND	101	ND	4.54	.1	21	38	106	4.37	.01	1.89	871	ND	.01	35	.11	9	ND	ND	ND	ND	106	ND	ND	71
BL0 3+00N 0+25W	.1	3.12	3	ND	68	ND	4.84	.1	23	41	134	4.74	.01	2.34	930	ND	.01	31	.12	5	ND	ND	ND	ND	67	ND	3	66
BL0 3+00N 0+50W	.5	3.59	4	ND	117	3	1.21	.3	23	42	117	4.77	.01	1.95	909	ND	.01	42	.10	7	ND	ND	ND	ND	68	ND	ND	87
BL0 3+00N 0+75W	.4	3.20	ND	ND	168	ND	.77	.1	17	43	65	4.00	.05	1.28	834	1	.01	42	.08	12	ND	ND	ND	ND	63	ND	ND	89
BL0 3+00N 1+00W	.1	2.84	ND	ND	116	3	.88	.3	20	35	65	3.99	.06	1.13	1122	1	.01	34	.08	10	ND	ND	ND	ND	48	ND	ND	95
BL0 3+00N 1+25W	.1	2.87	9	ND	109	3	1.06	.1	20	33	68	4.12	.04	1.28	1049	1	.01	33	.08	12	ND	ND	ND	ND	47	ND	ND	95
BL0 3+00N 1+50W	.1	2.72	4	ND	106	ND	2.16	.1	19	34	84	4.05	.01	1.36	915	1	.01	36	.08	9	ND	ND	ND	ND	52	ND	ND	91
BL1 04+00N 0+00	.1	2.08	ND	ND	88	4	3.40	.1	19	42	96	3.95	.01	1.58	823	ND	.01	34	.10	8	ND	ND	ND	ND	97	ND	ND	67
BL1 04+00N 0+25W	.1	3.02	ND	ND	147	ND	1.11	.5	18	44	87	4.25	.05	1.50	802	1	.01	47	.11	10	ND	ND	ND	ND	60	ND	ND	90
BL1 04+00N 0+50W	.1	2.79	4	ND	132	ND	.83	.3	19	34	59	3.77	.08	1.16	1009	1	.01	36	.08	11	ND	ND	ND	ND	50	ND	ND	97
BL1 04+00N 0+75W	.1	2.54	30	ND	143	ND	3.00	.4	21	34	88	4.60	.01	1.53	1002	ND	.01	38	.10	8	ND	ND	ND	ND	59	ND	ND	103
BL1 04+00N 1+00W	.1	2.92	12	ND	107	ND	1.63	.4	19	32	97	4.12	.02	1.26	942	1	.01	34	.10	9	ND	ND	ND	ND	58	ND	ND	95
BL1 04+00N 1+25W	.1	2.77	13	ND	78	ND	4.84	.1	23	36	101	4.44	.01	1.54	1029	ND	.01	36	.11	8	ND	ND	ND	ND	78	ND	ND	84
BL1 04+00N 1+50W	.1	2.82	ND	ND	74	ND	4.05	.3	18	31	83	3.89	.01	1.33	966	ND	.01	29	.11	8	ND	ND	ND	ND	69	ND	ND	80
BL0 05+00N 0+00	.1	2.65	ND	ND	135	ND	.85	.4	18	32	64	3.87	.12	1.10	988	1	.01	35	.08	11	ND	ND	ND	ND	52	3	ND	107
BL0 05+00N 0+25W	.1	2.79	11	ND	143	ND	.88	.8	20	31	73	4.50	.07	1.12	1050	2	.01	33	.08	13	ND	ND	ND	ND	43	ND	ND	125
BL0 05+00N 0+50W	.1	2.27	12	ND	108	ND	4.66	.2	15	30	85	3.75	.01	1.22	742	ND	.01	33	.10	8	ND	ND	ND	ND	72	ND	ND	87
BL0 05+00N 0+75W	.1	2.27	13	ND	95	ND	2.90	.1	14	28	76	4.15	.01	1.06	914	ND	.01	33	.13	8	ND	ND	ND	ND	57	ND	ND	99
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

BL

BL

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BL1 05+00N 1+00W	.1	2.86	7	ND	106	ND	1.00	.1	18	32	85	3.70	.01	1.14	904	1	.01	34	.09	10	ND	ND	ND	ND	62	ND	ND	87
BL1 06+00N 0+25E	.1	3.89	ND	ND	112	ND	4.24	.2	22	20	108	3.98	.01	1.51	1084	ND	.01	25	.08	8	ND	ND	ND	ND	54	ND	ND	86
BL1 06+00N 0+50E	.1	2.36	ND	ND	82	ND	3.81	.3	14	22	95	3.06	.01	1.30	683	ND	.01	23	.08	6	ND	ND	ND	ND	66	ND	ND	81
BL1 06+00N 0+75E	.1	3.61	ND	ND	103	ND	.99	.1	21	45	123	4.44	.01	1.89	791	1	.01	41	.07	6	ND	ND	ND	ND	53	ND	ND	74
BL1 06+00N 1+00E	.1	3.16	ND	ND	90	ND	.97	.1	21	42	127	4.38	.01	1.73	766	1	.01	44	.08	8	ND	ND	ND	ND	50	ND	ND	86
BL1 06+00N 0+25W	.1	2.34	30	ND	111	ND	1.44	.3	22	31	94	5.04	.01	1.23	1017	1	.01	35	.08	9	ND	ND	ND	ND	42	ND	ND	108
BL1 06+00N 0+50W	.1	2.37	27	ND	102	ND	6.18	.1	20	33	117	4.18	.01	1.45	807	ND	.01	34	.11	10	ND	ND	ND	ND	78	ND	ND	84
BL1 06+00N 0+75W	.1	2.50	19	ND	85	ND	2.53	.1	20	42	100	4.28	.01	1.39	889	ND	.01	42	.10	10	ND	ND	ND	ND	53	ND	ND	93
BL1 06+00N 1+00W	.1	2.83	11	ND	115	ND	1.78	.1	19	42	113	4.48	.01	1.50	828	ND	.01	37	.10	8	ND	ND	ND	ND	56	ND	ND	90
BL1 07+00N 0+00	.1	2.53	16	ND	69	ND	.86	.6	21	36	91	4.10	.06	1.01	853	1	.01	29	.08	12	ND	ND	4	ND	44	ND	3	84
BL1 07+00N 0+50E	.1	2.05	19	ND	155	ND	2.93	.2	13	17	59	3.76	.01	1.08	862	ND	.01	19	.09	8	ND	ND	ND	ND	47	ND	ND	88
BL1 07+00N 0+75E	.1	2.19	20	ND	186	ND	2.56	.1	18	22	88	4.41	.01	1.19	814	2	.01	28	.08	7	ND	ND	ND	ND	37	ND	ND	96
BL1 07+00N 1+00E	.1	2.71	6	ND	105	ND	1.12	.2	20	22	93	4.35	.01	1.56	1144	ND	.01	24	.08	6	ND	ND	ND	ND	27	ND	ND	93
BL1 07+00N 0+25W	.1	2.51	14	ND	103	ND	.90	.2	20	36	70	3.75	.01	1.05	1067	1	.01	31	.08	14	ND	ND	3	ND	43	ND	ND	87
BL1 07+00N 0+50W	.1	2.61	24	ND	97	ND	1.85	.1	18	36	72	3.99	.01	1.24	922	1	.01	33	.09	13	ND	ND	ND	ND	57	ND	ND	89
BL1 07+00N 0+75W	.1	1.82	7	ND	69	ND	4.54	.1	12	24	53	3.30	.01	2.04	690	1	.01	23	.07	8	ND	ND	ND	ND	127	ND	ND	73
BL1 07+00N 1+00W	.1	1.64	6	ND	50	ND	4.20	.1	13	23	44	3.56	.01	1.18	1106	ND	.01	21	.11	10	ND	ND	ND	ND	72	ND	ND	78
BL1 07+25 0+00	.1	2.54	9	ND	99	ND	.87	.4	19	36	69	3.73	.03	1.06	910	1	.01	33	.08	7	ND	ND	ND	ND	50	5	ND	82
BL1 07+50 0+00	.1	2.60	13	ND	88	ND	.96	.2	18	36	86	3.85	.01	1.17	748	1	.01	38	.08	10	ND	ND	3	ND	56	ND	ND	79
BL1 07+75 0+00	.1	2.59	22	ND	85	ND	.94	.3	18	39	92	3.98	.01	1.17	767	ND	.01	37	.09	9	ND	ND	5	ND	53	5	ND	80
BL1 08+00 0+00	.1	2.97	12	ND	114	ND	1.02	.3	19	40	97	4.33	.01	1.39	834	1	.01	49	.09	8	ND	ND	3	ND	51	ND	ND	91
BL1 08+00N 0+25E	.1	2.36	38	ND	204	ND	.78	.3	18	32	65	4.26	.04	1.04	989	2	.01	36	.08	13	ND	ND	4	ND	45	ND	ND	103
BL1 08+00N 0+75E	.1	2.53	13	ND	110	ND	.67	.2	17	27	53	4.02	.04	1.05	905	2	.01	28	.08	10	ND	ND	3	ND	35	ND	ND	105
BL1 08+00N 1+00E	.1	1.95	58	ND	225	ND	.84	.3	18	22	73	4.79	.02	.96	1068	6	.01	35	.09	10	ND	ND	3	ND	28	ND	ND	125
BL1 08+00N 0+25W	.1	2.59	10	ND	102	3	1.01	.1	18	33	57	3.96	.04	1.07	961	ND	.01	29	.09	9	ND	ND	ND	ND	49	ND	ND	93
BL1 08+00N 0+50W	.1	2.78	19	ND	82	ND	1.40	.2	18	31	76	4.12	.01	1.15	881	ND	.01	29	.09	7	ND	ND	ND	ND	47	ND	ND	89
BL1 08+00N 0+75W	.1	3.13	10	ND	76	ND	1.25	.1	19	32	83	4.92	.02	1.13	884	1	.01	33	.10	11	ND	ND	ND	ND	53	ND	ND	107
BL1 08+00N 1+00W	.1	3.02	10	ND	94	ND	1.19	.1	19	33	65	4.27	.01	1.16	975	1	.01	25	.09	9	ND	ND	ND	ND	52	ND	ND	85
BL1 08+25N 0+00	.1	2.80	5	ND	131	ND	.78	.2	19	35	75	4.02	.05	1.13	987	ND	.01	35	.07	9	ND	ND	4	ND	45	4	ND	86
BL1 08+50N 0+00	.1	2.85	12	ND	108	ND	.92	.1	17	34	86	3.94	.04	1.18	762	ND	.01	35	.09	8	ND	ND	ND	ND	51	3	ND	88
BL1 08+75N 0+00	.1	2.83	7	ND	113	ND	.87	.4	21	31	80	3.98	.07	1.16	970	1	.01	32	.09	9	ND	ND	4	ND	47	ND	ND	98
BL1 09+00N 0+00	.1	2.94	175	ND	83	ND	1.45	.1	20	33	97	4.62	.01	1.25	965	ND	.01	36	.10	8	ND	ND	ND	ND	47	ND	ND	121
BL1 09+00N 0+25E	.1	2.89	18	ND	173	ND	.94	.2	19	33	100	4.55	.04	1.30	904	1	.01	36	.10	8	ND	ND	3	ND	49	ND	ND	101
BL1 09+00N 0+50E	.1	2.49	56	ND	214	ND	1.75	1.3	20	26	91	4.97	.01	1.17	1101	1	.01	40	.08	8	ND	ND	ND	ND	42	ND	ND	170
BL1 09+00N 0+75E	.3	2.24	29	ND	204	ND	2.03	.4	17	24	73	4.42	.01	1.14	947	2	.01	30	.09	8	ND	ND	ND	ND	40	ND	ND	115
BL1 09+00N 1+00E	.1	2.05	44	ND	130	ND	5.27	.1	17	26	98	4.20	.01	1.36	859	ND	.01	29	.09	8	ND	ND	ND	ND	79	ND	ND	91
BL1 09+00N 0+25W	.1	3.19	6	ND	78	ND	.90	.2	32	45	87	4.55	.01	1.21	1323	1	.01	46	.08	11	ND	ND	4	ND	43	ND	ND	102
BL1 09+00N 0+50W	.1	2.45	26	ND	101	ND	2.21	.1	19	38	69	4.13	.01	1.16	946	1	.01	34	.08	8	ND	ND	ND	ND	85	ND	ND	86
BL1 09+00N 0+75W	.1	2.63	9	ND	99	ND	1.00	.1	17	37	58	3.96	.07	1.10	839	ND	.01	31	.09	8	ND	ND	3	ND	57	ND	ND	93
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BL1 09+00N 1+00W	.5	2.80	26	ND	89	ND	1.56	.1	18	32	80	4.35	.07	1.27	824	ND	.01	30	.10	4	ND	ND	ND	ND	64	ND	ND	87
BL1 09+25N 0+00	.4	2.19	43	ND	162	ND	.86	.2	15	28	68	4.44	.09	.97	893	ND	.01	30	.10	12	ND	ND	ND	ND	45	ND	ND	121
BL1 09+50N 0+00	.1	2.37	24	ND	177	ND	.89	.1	16	29	64	4.17	.09	.93	1019	1	.01	33	.09	12	ND	ND	ND	ND	44	ND	ND	117
BL1 09+75N 0+00	.1	2.65	45	ND	200	ND	.89	.4	19	29	60	4.36	.12	.91	1200	ND	.01	31	.09	9	ND	ND	ND	ND	43	ND	ND	150
BL1 10+00N 0+00	.4	2.42	25	ND	215	ND	.71	.3	17	31	60	4.29	.11	.79	931	1	.01	35	.06	11	ND	ND	ND	ND	41	ND	ND	153
BL1 10+00N 0+25E	.2	2.69	6	ND	209	ND	.62	.1	16	29	49	4.17	.13	.76	988	ND	.01	38	.05	10	ND	ND	ND	ND	35	ND	ND	188
BL1 10+00N 0+50E	.1	2.39	18	ND	297	ND	2.16	.1	14	19	43	4.20	.09	1.09	733	ND	.01	23	.12	7	ND	ND	ND	ND	35	ND	ND	139
BL1 10+00N 0+75E	.2	3.15	4	ND	332	ND	.79	.1	17	32	93	4.88	.14	1.11	576	ND	.01	31	.05	3	ND	ND	ND	ND	44	ND	ND	112
BL1 10+00N 1+00E	.1	3.17	ND	ND	168	ND	.61	.1	19	25	91	6.08	.10	1.07	740	ND	.01	20	.07	4	ND	ND	ND	ND	40	ND	ND	109
BL1 10+00N 0+25W	.1	2.41	43	ND	147	ND	.81	.2	18	32	59	4.69	.12	.89	1123	1	.01	31	.05	9	ND	ND	ND	ND	33	ND	4	120
BL1 10+00N 0+50W	.1	3.28	71	ND	96	ND	.79	.1	20	43	59	4.82	.11	1.06	969	ND	.01	35	.04	6	ND	ND	ND	ND	42	ND	ND	108
BL1 10+00N 0+75W	.2	3.18	31	ND	89	ND	1.35	.1	21	38	73	4.72	.14	1.30	1017	ND	.01	37	.06	2	ND	ND	ND	ND	41	ND	ND	105
BL1 10+00N 1+00W	.3	3.07	14	ND	93	ND	.86	.1	19	43	58	4.40	.14	1.12	848	ND	.01	35	.05	5	ND	ND	ND	ND	47	ND	ND	98
BL1 10+25N 0+00	.3	1.96	43	ND	170	ND	.59	.1	15	24	80	5.03	.12	.63	767	2	.01	61	.07	12	ND	ND	ND	ND	37	ND	ND	246
BL1 10+50N 0+00	.3	2.64	23	ND	181	ND	.99	.1	19	33	83	4.97	.13	.96	863	1	.01	41	.08	11	ND	ND	ND	ND	36	ND	ND	146
BL1 10+75N 0+00	.3	2.77	16	ND	182	ND	.85	.1	18	37	71	4.69	.11	1.02	831	3	.01	39	.05	7	ND	ND	ND	ND	41	ND	ND	124
BL1 11+00N 0+00	.3	2.77	10	ND	193	ND	.77	.1	18	33	60	4.38	.11	.95	900	2	.01	30	.05	6	ND	ND	ND	ND	39	ND	ND	115
BL1 11+00N 0+25E	.2	2.74	17	ND	182	ND	.78	.1	20	36	85	4.58	.10	1.10	765	1	.01	33	.05	7	ND	ND	ND	ND	36	ND	ND	96
BL1 11+00N 0+50E	.1	2.41	17	ND	141	ND	.82	.1	18	28	50	4.40	.12	1.01	730	1	.01	26	.04	9	ND	ND	ND	ND	33	ND	ND	118
BL1 11+00N 0+75E	.1	2.32	ND	ND	135	ND	.67	.1	17	28	74	5.39	.14	.81	735	ND	.01	22	.08	4	ND	ND	ND	ND	33	ND	ND	116
BL1 11+00N 1+00E	.1	2.73	5	ND	131	ND	.81	.1	18	43	56	4.44	.13	1.06	917	ND	.01	51	.07	7	ND	ND	ND	ND	47	ND	ND	86
BL1 11+00N 0+25W	.4	2.48	15	ND	221	ND	.72	.1	17	32	57	4.21	.16	.79	1085	1	.01	42	.06	11	ND	ND	ND	ND	39	3	ND	159
BL1 11+00N 0+50W	.1	2.94	ND	ND	157	ND	.83	.1	18	37	53	4.37	.16	.96	1146	ND	.01	35	.06	3	ND	ND	ND	ND	43	ND	ND	137
BL1 11+00N 0+75W	.1	3.93	ND	ND	158	ND	.86	.4	23	35	109	5.43	.10	1.84	1089	1	.01	31	.06	3	ND	ND	ND	ND	34	ND	ND	106
BL1 11+00N 1+00W	.1	3.61	ND	ND	114	ND	.90	.1	19	33	75	4.68	.10	1.35	1027	1	.01	27	.04	6	ND	ND	ND	ND	36	ND	ND	100
BL1 11+25N 0+00	.1	2.67	8	ND	195	ND	.73	.2	18	33	49	4.26	.14	.89	1058	2	.01	31	.05	11	ND	ND	ND	ND	43	ND	ND	134
BL1 11+50N 0+00	.3	2.89	28	ND	211	ND	.75	.1	20	36	71	4.48	.13	1.01	1033	1	.01	32	.06	10	ND	ND	ND	ND	35	ND	ND	131
BL1 11+75N 0+00	.2	2.75	14	ND	213	ND	.72	.1	17	29	57	4.31	.15	1.00	750	1	.01	27	.05	12	ND	ND	ND	ND	30	ND	ND	102
BL1 12+00N 0+00	.2	2.44	12	ND	272	ND	.56	.1	14	23	43	4.46	.13	.86	653	1	.01	26	.03	9	ND	ND	ND	ND	30	6	ND	107
BL1 12+00N 0+25E	.1	1.89	7	3	123	ND	3.59	.1	20	26	89	4.24	.08	1.35	872	ND	.01	29	.10	5	ND	ND	ND	ND	98	ND	ND	77
BL1 12+00N 0+50E	.1	2.25	ND	ND	167	ND	.79	.1	10	20	27	3.61	.12	.69	651	ND	.01	13	.05	11	ND	ND	ND	ND	40	ND	ND	127
BL1 12+00N 0+75E	.3	3.19	ND	ND	95	ND	.87	.1	14	35	60	3.84	.11	.92	582	ND	.01	26	.05	5	ND	ND	ND	ND	52	3	ND	85
BL1 12+00N 1+00E	.1	2.72	ND	ND	100	ND	.82	.4	18	44	64	4.17	.13	1.10	776	ND	.01	33	.05	9	ND	ND	ND	ND	47	ND	ND	79
BL1 12+00N 0+25W	.1	2.55	14	ND	333	ND	.74	.1	16	37	67	4.96	.12	.82	769	2	.01	31	.04	9	ND	ND	ND	ND	35	ND	ND	102
BL1 12+00N 0+50W	.2	2.65	14	ND	203	ND	.73	.1	16	32	49	4.29	.15	.74	869	1	.01	30	.05	7	ND	ND	ND	ND	37	3	ND	150
BL1 12+00N 0+75W	.2	2.51	4	ND	190	ND	.61	.1	13	26	21	3.33	.10	.57	1116	ND	.01	23	.03	6	ND	ND	ND	ND	37	ND	ND	151
BL1 12+00N 0+95W	.5	2.55	20	ND	289	ND	.71	.1	14	30	63	4.23	.16	.69	767	1	.01	38	.08	10	ND	ND	ND	ND	39	ND	ND	180
BL1 12+25N 0+00	.4	2.63	ND	ND	264	ND	.51	.1	13	28	27	3.62	.12	.66	740	ND	.01	22	.03	9	ND	ND	ND	ND	35	5	ND	111
BL2 00+00N 0+00	.1	1.53	45	3	172	ND	2.95	.1	22	57	102	4.34	.06	1.71	876	ND	.01	63	.14	7	ND	ND	ND	ND	226	ND	ND	74
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BL2 00+00N 0+10E	.1	2.66	103	ND	191	ND	4.60	.1	29	44	107	5.44	.01	1.87	1296	2	.01	41	.14	7	ND	ND	ND	ND	184	ND	ND	93
BL2 00+00N 0+25E	.1	3.87	10	ND	127	ND	2.04	.2	22	20	137	4.64	.01	2.02	1417	1	.01	20	.12	9	ND	ND	ND	ND	179	ND	ND	72
BL2 00+25N 0+00	.1	2.86	3	ND	278	ND	4.05	.1	21	31	139	4.98	.01	2.16	1171	ND	.01	27	.10	1	ND	ND	ND	ND	225	ND	ND	70
BL2 00+25N 0+15E	.1	1.45	43	ND	138	ND	3.35	.1	37	174	119	4.44	.01	1.72	1023	1	.01	132	.15	5	ND	ND	ND	ND	273	ND	ND	76
BL2 00+25N 0+10W	.1	4.07	7	ND	121	ND	2.59	.1	21	20	155	4.12	.01	2.20	1276	ND	.01	22	.08	4	ND	ND	ND	ND	194	ND	ND	61
BL2 00+50N 0+00	.1	2.66	5	ND	241	ND	2.47	.1	21	35	112	4.74	.01	1.98	1157	ND	.01	29	.11	2	ND	ND	ND	ND	166	ND	ND	73
BL2 00+50N 0+15E	.1	.81	20	ND	118	ND	4.16	.1	40	22	59	6.60	.01	2.29	1152	ND	.01	32	.13	3	ND	ND	13	ND	393	ND	ND	68
BL2 00+75N 0+00	.1	3.74	6	ND	273	ND	2.27	.1	27	19	171	7.01	.01	2.43	2680	ND	.01	19	.16	2	ND	ND	ND	ND	241	ND	ND	81
BL2 00+75N 0+14E	.1	.91	13	ND	45	ND	4.44	.1	25	18	67	5.33	.01	2.37	1112	ND	.01	37	.16	5	ND	ND	ND	ND	673	ND	ND	69
BL2 00+75N 0+30E	.1	1.28	30	ND	117	ND	2.42	.1	18	38	111	4.01	.01	.97	775	1	.01	38	.17	3	ND	ND	ND	ND	148	ND	ND	73
BL2 00+75N 0+45E	.1	1.97	ND	ND	184	ND	4.50	.1	18	60	60	4.65	.01	2.54	888	ND	.01	55	.19	15	ND	ND	ND	ND	226	ND	ND	63
BL2 00+75N 0+15W	.1	2.97	ND	ND	172	ND	3.77	.1	20	27	125	4.41	.01	1.87	1418	ND	.01	23	.12	12	ND	ND	ND	ND	148	ND	ND	67
BL2 01+00N 0+00	.1	1.95	ND	ND	427	ND	2.84	.1	25	27	53	6.20	.01	1.51	1145	ND	.01	19	.22	8	ND	ND	ND	ND	102	ND	ND	96
BL2 01+00N 0+25E	.1	1.91	ND	ND	433	ND	3.27	.1	18	14	72	5.02	.01	1.48	1298	ND	.01	17	.17	9	ND	ND	ND	ND	175	ND	ND	101
BL2 01+00N 0+50E	.1	2.31	7	ND	278	ND	4.59	.1	23	21	112	4.69	.01	1.58	1501	1	.01	22	.11	9	ND	ND	ND	ND	193	ND	ND	84
BL2 01+00N 0+75E	.1	2.54	ND	ND	140	ND	2.65	.1	23	106	87	4.82	.01	2.42	1074	ND	.01	149	.11	5	ND	ND	ND	ND	123	ND	ND	73
BL2 01+00N 0+25W	.1	3.64	3	ND	207	ND	1.28	.1	24	40	115	5.51	.01	1.91	1301	1	.01	32	.08	8	ND	ND	ND	ND	89	ND	ND	88
BL2 01+00N 0+50W	.1	2.82	ND	ND	158	3	.70	.1	17	36	74	4.20	.01	1.31	851	ND	.01	33	.06	10	ND	ND	ND	ND	84	3	ND	74
BL2 01+00N 0+75W	.1	2.62	8	ND	101	ND	.64	.1	17	36	73	4.33	.01	1.29	937	1	.01	31	.05	8	ND	ND	3	ND	61	ND	ND	70
BL2 01+25N 0+00	.1	2.38	9	ND	231	ND	1.29	.1	20	29	107	5.00	.01	1.25	1236	1	.01	28	.10	7	ND	ND	ND	ND	69	ND	ND	91
BL2 01+50N 0+00	.1	2.29	ND	ND	236	ND	5.69	.1	17	42	97	4.15	.01	1.60	794	ND	.01	39	.10	2	ND	ND	ND	ND	194	ND	ND	66
BL2 1+50N 0+25E	.1	2.97	4	ND	148	ND	1.13	.1	17	19	96	4.58	.01	1.58	1072	1	.01	19	.10	5	ND	ND	ND	ND	59	ND	ND	85
BL2 1+50N 0+50E	.1	1.97	33	ND	124	ND	3.85	.1	25	29	128	5.16	.01	1.38	1467	2	.01	29	.16	7	ND	ND	ND	ND	113	ND	ND	100
BL2 1+50N 0+75E	.1	1.98	9	ND	133	ND	.58	.1	17	63	58	4.08	.01	.88	885	1	.01	43	.08	8	ND	ND	3	ND	56	5	ND	72
BL2 1+50N 0+25W	.1	1.97	ND	ND	114	ND	1.06	.1	16	35	58	3.58	.01	1.51	760	ND	.01	34	.08	6	ND	ND	ND	ND	93	ND	ND	68
BL2 1+50N 0+50W	.1	2.62	3	ND	135	ND	.68	.1	19	32	91	4.95	.01	1.37	897	1	.01	28	.07	9	ND	ND	ND	ND	55	ND	ND	92
BL2 1+50N 0+75W	.1	3.16	ND	ND	240	ND	1.04	.1	21	47	121	5.32	.01	1.91	1388	1	.01	30	.07	4	ND	ND	ND	ND	82	ND	ND	85
BL2 01+75N 0+00	.1	1.82	13	ND	167	ND	1.27	.1	18	61	72	4.40	.01	1.61	899	1	.01	43	.11	11	ND	ND	ND	ND	108	ND	ND	82
BL2 02+00N 0+00	.1	2.16	19	ND	146	ND	.86	.2	18	37	76	4.22	.02	1.27	855	ND	.01	32	.08	53	ND	ND	5	ND	80	3	ND	93
BL2 02+00N 0+25E	.1	1.64	30	ND	274	ND	2.00	.1	14	18	68	3.94	.01	.97	811	1	.01	21	.17	8	ND	ND	ND	ND	87	ND	ND	79
BL2 02+00N 0+50E	.1	1.95	17	ND	196	ND	2.36	.1	14	32	76	3.75	.01	1.14	945	ND	.01	29	.12	6	ND	ND	ND	ND	79	ND	ND	68
BL2 02+00N 0+75E	.1	2.29	9	ND	209	ND	4.42	.1	11	31	74	3.09	.01	.96	770	ND	.01	23	.12	7	ND	ND	ND	ND	135	ND	ND	59
BL2 02+00N 0+25W	.1	2.34	8	ND	142	ND	.55	.1	17	42	73	4.33	.01	1.04	839	ND	.01	25	.05	9	ND	ND	3	ND	56	6	ND	73
BL2 02+00N 0+50W	.1	2.43	ND	ND	133	ND	.66	.1	18	53	68	4.25	.05	1.14	876	ND	.01	40	.06	5	ND	ND	3	ND	52	9	ND	81
BL2 02+00N 0+75W	.1	2.11	9	ND	137	ND	.48	.1	16	58	42	3.40	.01	.81	773	1	.01	46	.07	8	ND	ND	3	ND	48	8	ND	71
BL2 02+25N 0+00	.1	1.37	10	ND	175	ND	4.29	.1	26	119	77	3.42	.01	1.87	647	ND	.01	132	.07	4	ND	ND	ND	ND	260	ND	ND	54
BLW 02+50N 0+00	.1	2.11	ND	ND	221	ND	1.47	.1	21	108	60	4.60	.01	1.53	751	ND	.01	85	.11	2	ND	ND	ND	ND	98	ND	ND	79
BLW 02+50N 0+25E	.1	2.24	ND	ND	261	ND	2.31	.1	15	48	90	4.33	.01	1.29	990	ND	.01	35	.10	4	ND	ND	ND	ND	104	ND	ND	81
BLW 02+50N 0+50E	.1	2.15	10	ND	173	3	1.29	.2	16	63	55	3.77	.01	1.13	799	1	.01	53	.11	9	ND	ND	ND	ND	93	ND	ND	75
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BL2 02+50N 0+75E	.1	1.83	11	ND	143	ND	.52	.3	15	54	48	3.63	.08	.79	825	1	.01	44	.07	7	ND	ND	ND	ND	47	ND	ND	67
BL2 02+50N 0+25W	.1	2.02	ND	ND	149	ND	1.55	.1	18	53	52	3.78	.12	1.23	783	ND	.01	51	.12	11	ND	ND	ND	ND	111	ND	ND	82
BL2 02+50N 0+50W	.3	2.32	7	ND	146	ND	.55	.2	18	59	37	3.69	.12	.91	938	1	.01	50	.06	9	ND	ND	ND	ND	57	ND	ND	76
BL2 02+50N 0+75W	.3	2.35	ND	ND	169	ND	.63	.4	15	51	33	3.49	.14	.79	806	ND	.01	38	.09	5	ND	ND	ND	ND	62	ND	ND	86
BL2 02+75N 0+00	.1	2.45	27	ND	66	ND	2.80	.1	22	40	108	6.54	.06	2.91	1385	1	.01	41	.21	ND	ND	ND	ND	153	ND	ND	119	
BL2 03+00N 0+00	.1	2.35	4	ND	287	ND	3.17	.1	28	53	68	6.76	.11	3.10	1138	1	.01	32	.16	5	ND	ND	ND	ND	316	ND	ND	119
BL2 11+00N 1+50W	.1	1.96	10	ND	210	ND	2.17	.1	18	41	53	5.16	.14	1.17	1426	ND	.01	32	.09	9	ND	ND	ND	ND	62	ND	ND	100
BL3 00+00N 0+00	.4	2.39	3	ND	157	ND	.57	.2	16	42	41	4.26	.15	1.13	724	1	.01	34	.06	9	ND	ND	ND	ND	55	ND	ND	74
BL3 00+00N 0+25E	.2	2.20	7	ND	156	ND	.45	.1	15	50	31	3.88	.14	.74	905	ND	.01	34	.05	7	ND	ND	ND	ND	47	ND	ND	72
BL3 00+00N 0+50E	.1	2.06	15	ND	178	ND	2.50	.2	16	47	44	4.02	.12	1.70	788	1	.01	40	.11	6	ND	ND	ND	ND	172	ND	ND	69
BL3 00+00N 0+75E	.5	2.10	12	ND	176	ND	.61	.4	17	51	37	4.03	.14	.82	847	1	.01	39	.09	11	ND	ND	4	ND	52	ND	ND	74
BL3 00+00N 1+25E	.3	2.33	11	ND	222	5	.63	.3	16	46	28	3.83	.17	.71	1054	1	.01	35	.09	15	ND	ND	ND	ND	54	ND	ND	85
BL3 00+00N 1+50E	.1	2.20	15	ND	158	ND	1.13	.4	16	49	41	3.95	.13	1.34	789	1	.01	40	.11	7	ND	ND	ND	ND	115	ND	ND	74
BL3 00+00N 1+75E	.1	2.31	10	ND	123	ND	.66	.7	13	41	24	3.27	.12	2.86	751	ND	.01	29	.10	3	ND	ND	ND	ND	113	ND	5	77
BL3 00+00N 2+00E	.4	2.14	9	ND	212	ND	.60	.7	14	42	26	3.36	.15	.88	915	ND	.01	31	.10	11	ND	ND	ND	ND	71	ND	ND	92
BL3 00+00N 2+25E	.4	2.67	3	ND	234	ND	.67	.5	15	46	30	3.77	.18	.76	880	1	.01	31	.10	10	ND	ND	ND	ND	63	3	ND	98
BL3 00+00N 2+50E	.1	2.92	6	ND	188	ND	1.03	.1	19	46	63	4.62	.16	1.06	1001	ND	.01	35	.09	3	ND	ND	ND	ND	69	ND	ND	80
BL3 00+00N 2+75E	.3	2.58	7	ND	200	ND	.70	.2	15	42	40	3.71	.16	.78	829	ND	.01	30	.10	10	ND	ND	ND	ND	63	ND	ND	89
BL3 00+00N 3+00E	.3	2.82	4	ND	206	ND	.64	.3	15	46	43	4.00	.16	.84	737	ND	.01	35	.11	8	ND	ND	ND	ND	63	ND	ND	83
BL3 00+00N 0+25W	.1	2.81	9	ND	181	ND	.73	.1	16	34	84	5.13	.16	1.00	1038	1	.01	28	.09	5	ND	ND	ND	ND	48	ND	ND	80
BL3 00+00N 0+50W	.2	2.51	ND	ND	198	ND	.64	.3	17	36	38	4.04	.16	.78	1009	1	.01	49	.08	9	ND	ND	ND	ND	51	ND	ND	86
BL3 00+00N 0+75W	.1	2.46	8	ND	187	ND	.69	.1	18	42	48	4.64	.18	.85	1032	1	.01	38	.11	13	ND	ND	ND	ND	47	ND	ND	85
BL3 00+00N 1+00W	.3	2.37	7	ND	170	ND	.71	.3	14	35	31	3.87	.17	.76	856	ND	.01	30	.09	6	ND	ND	ND	ND	75	ND	ND	91
BL3 00+00N 1+25W	.1	2.34	4	ND	168	ND	.72	.2	14	36	30	3.81	.15	.76	870	ND	.01	29	.10	9	ND	ND	ND	ND	72	ND	ND	95
BL3 00+00N 1+50W	.3	2.40	5	ND	164	ND	.69	.5	15	37	31	4.04	.16	.76	928	1	.01	29	.11	8	ND	ND	ND	ND	72	ND	ND	92
BL3 00+00N 1+75W	.1	2.36	ND	ND	181	ND	.71	.1	15	38	35	4.11	.15	.72	881	ND	.01	26	.11	7	ND	ND	ND	ND	54	ND	ND	98
BL3 00+00N 2+00W	.2	2.36	ND	ND	178	ND	.75	.3	15	37	34	3.93	.15	.75	956	ND	.01	28	.11	10	ND	ND	ND	ND	54	ND	ND	99
BL3 00+25N 0+00	.2	3.07	ND	ND	155	ND	.47	.4	17	72	118	4.36	.13	1.29	620	ND	.01	52	.05	6	ND	ND	ND	ND	50	ND	ND	80
BL3 00+50N 0+00	.3	2.42	ND	ND	176	ND	.44	.2	16	58	34	3.78	.14	.79	1005	ND	.01	36	.05	7	ND	ND	ND	ND	54	ND	ND	95
BL3 00+75N 0+00	.4	2.16	ND	ND	135	ND	.40	.2	14	44	21	3.61	.15	.61	699	1	.01	28	.03	10	ND	ND	ND	ND	43	5	ND	82
BL3 01+00N 0+00	.4	1.90	8	ND	161	ND	.39	.1	13	48	14	3.43	.13	.51	875	ND	.01	29	.03	11	ND	ND	ND	ND	40	3	ND	93
BL3 01+00N 0+25E	.6	1.68	10	ND	138	ND	.38	.1	13	50	15	3.40	.12	.50	629	ND	.01	28	.04	10	ND	ND	4	ND	39	ND	ND	72
BL3 01+00N 0+50E	.5	1.98	5	ND	141	ND	.38	.1	13	49	18	3.63	.16	.55	618	ND	.01	30	.05	11	ND	ND	ND	ND	42	6	ND	72
BL3 01+00N 0+75E	.3	2.51	ND	ND	137	ND	.45	.1	14	47	25	3.98	.17	.89	573	ND	.01	34	.04	8	ND	ND	ND	ND	52	ND	ND	70
BL3 01+00N 1+00E	.4	2.13	4	ND	153	3	.40	.2	14	51	16	3.76	.13	.61	776	1	.01	31	.04	9	ND	ND	ND	ND	48	ND	ND	80
BL3 01+00N 1+25E	.3	2.41	15	ND	171	ND	.50	.2	14	56	31	4.21	.16	.70	640	1	.01	38	.06	11	ND	ND	4	ND	47	ND	ND	81
BL3 01+00N 1+50E	.5	2.40	6	ND	177	ND	.42	.2	15	51	21	3.88	.18	.61	856	ND	.01	35	.04	10	ND	ND	ND	ND	42	6	ND	83
BL3 01+00N 1+75E	.4	2.30	12	ND	161	ND	.42	.3	15	52	29	3.93	.17	.63	766	1	.01	39	.05	9	ND	ND	4	ND	43	3	ND	70
BL3 01+00N 2+00E	.2	2.48	9	ND	137	ND	.44	.3	16	49	28	3.78	.14	.89	779	ND	.01	36	.05	9	ND	ND	ND	ND	55	ND	ND	76
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BL3 01+00N 2+25E	.1	2.20	3	ND	109	ND	1.00	.6	9	31	34	2.62	.01	5.02	681	ND	.01	25	.10	ND	ND	ND	ND	ND	171	ND	10	73
BL3 01+00N 2+50E	.1	2.29	6	ND	203	ND	.60	.6	14	42	43	3.51	.06	.83	802	1	.01	30	.11	7	ND	ND	ND	ND	62	ND	ND	76
BL3 01+00N 2+75E	.1	2.86	7	ND	193	ND	.58	.3	16	49	40	3.76	.06	.70	856	ND	.01	31	.09	11	ND	ND	3	ND	55	ND	ND	90
BL3 01+00N 3+00E	.1	2.54	9	ND	216	ND	.72	.5	15	43	56	3.62	.05	1.19	843	1	.01	34	.11	9	ND	ND	ND	ND	70	ND	ND	83
BL3 01+00N 0+25W	.1	2.26	10	ND	156	ND	.41	.6	12	42	29	3.46	.09	.54	740	1	.01	28	.04	12	ND	ND	3	ND	40	ND	ND	78
BL3 01+00N 0+50W	.1	2.16	3	ND	180	ND	.47	.2	13	41	38	3.75	.10	.59	968	1	.01	27	.05	10	ND	ND	ND	ND	46	ND	ND	109
BL3 01+00N 0+75W	.1	2.43	ND	ND	164	ND	.51	.3	13	38	34	3.68	.12	.61	796	ND	.01	25	.05	7	ND	ND	ND	ND	45	ND	ND	90
BL3 01+00N 1+00W	.1	2.46	ND	ND	171	ND	.49	.5	14	34	40	4.00	.08	.65	895	1	.01	23	.05	11	ND	ND	ND	ND	43	ND	ND	86
BL3 01+00N 1+25W	.1	2.33	ND	ND	148	ND	.60	.1	14	31	42	3.72	.06	1.04	838	1	.01	25	.04	6	ND	ND	ND	ND	48	ND	ND	73
BL3 01+00N 1+50W	.1	2.39	ND	ND	175	ND	.58	.5	15	29	41	3.56	.09	.69	881	1	.01	23	.07	6	ND	ND	ND	ND	50	ND	3	79
BL3 01+00N 1+75W	.1	2.28	3	ND	174	ND	.69	.6	13	34	44	3.79	.10	.69	910	1	.01	22	.10	7	ND	ND	ND	ND	55	ND	ND	100
BL3 01+00N 2+00W	.1	2.42	ND	ND	196	ND	.63	.1	14	36	41	3.70	.11	.72	916	ND	.01	23	.08	5	ND	ND	ND	ND	54	ND	ND	84
BL3 01+25N 0+00	.1	1.80	10	ND	137	ND	.38	.4	12	52	34	3.59	.09	.48	702	1	.01	26	.04	10	ND	ND	ND	2	37	ND	ND	78
BL3 01+50N 0+00	.1	2.42	13	ND	230	ND	.72	.4	15	55	53	4.37	.06	.68	850	1	.01	39	.11	8	ND	ND	ND	ND	51	ND	ND	95
BL3 01+75N 0+00	.1	2.09	10	ND	174	ND	.45	.1	13	48	37	3.73	.10	.56	776	1	.01	30	.05	10	ND	ND	ND	ND	44	ND	ND	89
BL3 02+00N 0+00	.1	2.17	9	ND	200	ND	.48	.2	14	48	32	3.65	.07	.56	889	1	.01	30	.04	8	ND	ND	ND	1	49	ND	ND	108
BL3 02+00N 0+25E	.1	2.04	8	ND	153	ND	.37	.2	12	43	29	3.33	.08	.50	686	ND	.01	26	.03	9	ND	ND	ND	ND	39	4	ND	101
BL3 02+00N 0+50E	.1	2.37	14	ND	161	ND	.47	.3	14	54	49	4.14	.07	.63	546	1	.01	42	.05	10	ND	ND	ND	ND	45	ND	ND	74
BL3 02+00N 0+75E	.1	2.53	9	ND	159	ND	.38	.5	12	40	29	3.37	.09	.54	660	1	.01	27	.03	6	ND	ND	ND	ND	40	3	ND	82
BL3 02+00N 1+00E	.1	2.09	6	ND	220	ND	.42	.4	11	42	28	3.41	.10	.51	678	1	.01	28	.05	6	ND	ND	ND	1	41	ND	4	96
BL3 02+00N 1+25E	.1	2.05	ND	ND	165	ND	.40	.5	12	45	30	3.34	.11	.52	818	ND	.01	33	.03	7	ND	ND	ND	ND	40	ND	ND	82
BL3 02+00N 1+50E	.1	1.87	8	ND	167	ND	.39	.3	11	44	25	3.15	.08	.50	829	ND	.01	25	.04	9	ND	ND	ND	2	43	ND	ND	87
BL3 02+00N 1+75E	.1	2.31	3	ND	156	ND	.47	.1	11	45	27	3.51	.10	.58	602	ND	.01	26	.04	7	ND	ND	ND	ND	45	ND	ND	90
BL3 02+00N 2+00E	.1	2.39	6	ND	185	ND	.59	.5	13	53	42	3.94	.08	.67	849	ND	.01	31	.06	8	ND	ND	ND	1	48	ND	ND	90
BL3 02+00N 2+25E	.1	2.55	ND	ND	160	ND	.51	.1	15	54	42	3.96	.09	.69	763	ND	.01	31	.05	8	ND	ND	ND	ND	48	ND	ND	89
BL3 02+00N 2+50E	.1	2.61	ND	ND	151	ND	.48	.3	13	51	45	3.95	.08	.73	656	1	.01	29	.05	7	ND	ND	ND	ND	48	ND	ND	91
BL3 02+00N 2+75E	.1	2.68	ND	ND	186	ND	.55	.5	15	47	37	3.97	.11	.73	654	ND	.01	34	.06	7	ND	ND	ND	1	52	ND	ND	88
BL3 02+00N 3+00E	.1	2.76	ND	ND	142	ND	.48	.2	15	45	43	4.01	.06	.79	631	ND	.01	35	.04	7	ND	ND	ND	1	49	ND	ND	79
BL3 02+00N 0+25W	.1	1.94	ND	ND	139	ND	.43	.6	12	49	34	3.60	.05	.57	525	ND	.01	34	.04	7	ND	ND	ND	2	39	ND	ND	72
BL3 02+00N 0+50W	.1	1.91	9	ND	137	ND	.40	.3	14	48	42	3.82	.08	.55	617	ND	.01	36	.05	7	ND	ND	ND	2	38	ND	ND	62
BL3 02+00N 0+75W	.1	2.25	ND	ND	138	ND	.39	.3	12	46	31	3.34	.08	.56	619	ND	.01	28	.03	6	ND	ND	ND	ND	41	ND	ND	86
BL3 02+00N 1+00W	.1	2.49	ND	ND	174	ND	.46	.7	12	44	30	3.58	.08	.62	855	1	.01	25	.04	9	ND	ND	ND	ND	46	ND	ND	108
BL3 02+00N 1+25W	.1	2.56	ND	ND	169	ND	.43	.1	12	37	31	3.52	.05	.57	807	ND	.01	23	.03	7	ND	ND	ND	ND	42	ND	ND	95
BL3 02+00N 1+50W	.1	2.39	ND	ND	174	ND	.66	.2	13	32	37	3.71	.06	.71	1044	ND	.01	23	.04	3	ND	ND	ND	ND	46	ND	ND	89
BL3 02+00N 1+75W	.1	2.93	ND	ND	181	ND	.54	.3	14	33	33	3.94	.09	.76	947	ND	.01	25	.05	6	ND	ND	ND	ND	49	ND	ND	100
BL3 02+00N 2+00W	.1	2.52	ND	ND	191	ND	.52	.3	12	33	35	3.93	.06	.62	838	1	.01	22	.05	5	ND	ND	ND	ND	43	ND	ND	94
BL3 02+25N 0+00	.1	1.66	6	ND	167	ND	.33	.3	9	40	24	3.13	.03	.45	680	1	.01	20	.02	6	ND	ND	ND	2	35	ND	ND	107
BL3 02+50N 0+00	.1	1.43	14	ND	120	ND	.31	.1	11	47	36	3.40	.07	.44	439	ND	.01	25	.04	10	ND	ND	ND	4	32	ND	ND	63
BL3 02+75N 0+00	.1	1.58	9	ND	144	ND	.33	.5	10	49	26	3.27	.05	.45	614	ND	.01	25	.03	7	ND	ND	ND	2	33	ND	ND	84
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BL3 03+00N 0+00	.3	1.62	4	ND	195	ND	.32	.1	10	35	20	2.79	.08	.35	834	1	.01	32	.02	8	ND	ND	4	ND	33	4	ND	86
BL3 03+00N 0+25E	.4	1.88	ND	ND	180	ND	.37	.2	9	38	13	2.81	.11	.43	497	ND	.01	24	.04	8	ND	ND	4	ND	37	5	ND	90
BL3 03+00N 0+50E	.3	2.23	ND	ND	218	ND	.40	.2	13	53	17	3.64	.15	.55	876	1	.01	32	.04	9	ND	ND	4	ND	43	5	ND	103
BL3 03+00N 0+75E	.5	2.01	3	ND	145	ND	.33	.1	12	44	15	3.16	.13	.49	686	1	.01	26	.02	6	ND	ND	3	ND	37	6	ND	85
BL3 03+00N 1+00E	.4	2.40	6	ND	152	ND	.42	.1	13	50	23	3.67	.15	.58	586	1	.01	33	.03	6	ND	ND	ND	ND	42	4	ND	79
BL3 03+00N 1+25E	.5	2.22	ND	ND	189	ND	.42	.1	13	50	19	3.51	.16	.56	535	ND	.01	27	.04	8	ND	ND	3	ND	42	5	ND	81
BL3 03+00N 1+50E	.2	2.21	ND	ND	164	4	.42	.1	13	45	22	3.42	.13	.58	959	ND	.01	25	.03	6	ND	ND	ND	ND	39	3	ND	103
BL3 03+00N 1+75E	.1	2.38	ND	ND	186	ND	.45	.2	15	45	25	3.62	.16	.65	1040	ND	.01	29	.04	9	ND	ND	ND	ND	40	ND	5	90
BL3 03+00N 2+00E	.1	3.26	ND	ND	144	ND	.60	.1	15	42	70	4.12	.15	.92	723	ND	.01	26	.05	2	ND	ND	ND	ND	45	ND	ND	75
BL3 03+00N 2+25E	.3	2.35	ND	ND	159	ND	.49	.1	16	50	27	3.73	.15	.64	1091	ND	.01	32	.05	5	ND	ND	ND	ND	44	ND	3	91
BL3 03+00N 2+50W	.7	2.61	ND	ND	109	ND	.46	.1	17	51	22	4.01	.14	.74	656	ND	.01	40	.03	5	ND	ND	ND	ND	49	6	ND	80
BL3 03+00N 2+75E	.4	2.56	ND	ND	166	ND	.52	.1	15	47	25	3.80	.14	.72	754	ND	.01	32	.05	3	ND	ND	ND	ND	53	ND	ND	97
BL3 03+00N 3+00E	.1	1.99	ND	ND	171	ND	3.56	.3	12	37	25	2.97	.09	2.63	613	ND	.01	31	.04	8	ND	ND	ND	ND	445	ND	5	54
BL3 03+00N 0+25W	.2	2.28	33	ND	288	ND	.49	.1	13	34	20	3.11	.09	.44	742	ND	.01	35	.07	9	ND	ND	5	ND	42	ND	ND	134
BL3 03+00N 0+50W	.2	2.11	ND	ND	179	ND	.48	.1	13	44	28	3.74	.15	.55	674	ND	.01	31	.05	7	ND	ND	ND	ND	47	3	ND	82
BL3 03+00N 0+75W	.2	2.07	ND	ND	165	ND	.44	.1	13	48	21	3.55	.13	.56	591	ND	.01	30	.03	8	ND	ND	ND	ND	44	3	3	83
BL3 03+00N 1+00W	.1	1.89	7	ND	188	ND	.44	.1	13	51	22	3.60	.14	.52	712	ND	.01	30	.06	6	ND	ND	3	ND	43	ND	ND	80
BL3 03+00N 1+25W	.2	1.91	3	ND	185	ND	.42	.1	13	46	21	3.60	.14	.52	764	ND	.01	26	.05	8	ND	ND	ND	ND	39	3	ND	83
BL3 03+00N 1+50W	.2	1.90	ND	ND	175	ND	.54	.1	13	44	26	3.60	.14	.55	874	ND	.01	26	.04	9	ND	ND	ND	ND	44	4	ND	81
BL3 03+00N 1+75W	.2	2.26	ND	ND	167	3	.41	.1	14	38	22	3.60	.14	.77	854	ND	.01	25	.04	6	ND	ND	ND	ND	50	ND	ND	73
BL3 03+00N 2+00W	.2	2.44	ND	ND	158	ND	.54	.1	12	33	27	3.81	.15	.66	683	1	.01	45	.05	6	ND	ND	ND	ND	41	ND	ND	79
BL3 03+25N 0+00	.5	2.01	4	ND	162	ND	.39	.2	11	45	19	3.43	.12	.47	578	ND	.01	33	.04	9	ND	ND	ND	ND	36	ND	ND	89
BL3 03+50N 0+00	.5	2.05	4	ND	168	ND	.45	.1	12	43	17	3.33	.15	.49	605	1	.01	30	.03	11	ND	ND	ND	ND	38	5	ND	89
BL3 03+75N 0+00	.3	2.07	ND	ND	177	ND	.41	.1	10	39	17	3.23	.13	.44	581	ND	.01	27	.05	7	ND	ND	ND	ND	39	6	ND	109
BL3 04+00N 0+00	.5	1.88	6	ND	158	ND	.35	.1	11	42	18	3.18	.13	.45	649	ND	.01	27	.03	8	ND	ND	ND	ND	37	5	ND	86
BL3 04+00N 0+25E	.2	2.14	ND	ND	179	ND	.41	.1	12	43	19	3.34	.12	.51	854	ND	.01	28	.03	8	ND	ND	ND	ND	41	ND	ND	96
BL3 04+00N 0+50E	.2	2.10	ND	ND	194	ND	.52	.4	13	41	16	3.19	.15	.54	1135	ND	.01	25	.04	9	ND	ND	ND	ND	49	ND	ND	102
BL3 04+00N 0+75E	.1	2.23	ND	ND	166	ND	.43	.1	13	45	25	3.58	.12	.61	782	ND	.01	26	.04	6	ND	ND	ND	ND	43	ND	ND	79
BL3 04+00N 1+00E	.2	2.22	4	ND	190	ND	.44	.1	12	46	28	3.57	.16	.60	532	ND	.01	28	.06	6	ND	ND	ND	ND	41	ND	ND	71
BL3 04+00N 1+25E	.3	2.20	4	ND	166	ND	.43	.1	13	50	19	3.48	.28	.60	611	1	.01	26	.04	16	ND	ND	6	ND	41	31	ND	83
BL3 04+00N 1+50E	.2	2.17	ND	ND	162	ND	.48	.1	12	48	23	3.48	.12	.61	606	ND	.01	25	.04	6	ND	ND	ND	ND	43	ND	ND	84
BL3 04+00N 1+75E	.3	2.88	ND	ND	146	ND	.57	.1	17	51	40	4.89	.15	.80	572	ND	.01	39	.06	5	ND	ND	ND	ND	50	ND	ND	90
BL3 04+00N 2+00E	.2	2.58	ND	ND	135	ND	.49	.1	15	43	22	3.81	.12	.82	535	ND	.01	33	.04	7	ND	ND	ND	ND	54	ND	ND	75
BL3 04+00N 2+25E	.3	1.79	ND	ND	114	ND	.46	.1	14	45	16	3.20	.11	.62	764	ND	.01	26	.03	8	ND	ND	ND	ND	50	ND	ND	72
BL3 04+00N 2+50E	.6	2.20	ND	ND	118	ND	.45	.1	16	50	26	3.74	.15	.71	612	ND	.01	34	.04	8	ND	ND	ND	ND	50	ND	ND	79
BL3 04+00N 2+75E	.5	2.26	ND	ND	140	ND	.45	.1	16	49	25	3.62	.14	.62	797	ND	.01	34	.03	8	ND	ND	ND	ND	48	ND	ND	86
BL3 04+00N 3+00E	.6	1.92	ND	ND	120	ND	.38	.1	15	49	16	3.36	.13	.57	798	ND	.01	30	.02	9	ND	ND	ND	ND	44	ND	ND	80
BL3 04+00N 0+25W	.2	2.14	ND	ND	187	ND	.35	.1	10	35	11	2.99	.10	.46	770	ND	.01	15	.03	6	ND	ND	ND	ND	34	ND	ND	112
BL3 04+00N 0+50W	.3	1.64	6	ND	157	ND	.30	.1	10	37	16	3.11	.11	.42	594	ND	.01	21	.03	7	ND	ND	ND	ND	32	ND	ND	70
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
BL3 04+00N 0+75W	.1	1.73	8	ND	171	ND	.35	.1	10	40	24	3.15	.01	.41	798	1	.01	25	.03	74	ND	ND	ND	ND	34	ND	ND	84
BL3 04+00N 1+00W	.1	2.13	4	ND	166	3	.39	.2	12	42	36	3.62	.07	.51	545	ND	.01	30	.05	6	ND	ND	ND	ND	39	ND	ND	84
BL3 04+00N 1+25W	.1	1.70	7	ND	142	ND	.36	.1	11	43	28	3.25	.01	.46	611	ND	.01	25	.03	8	ND	ND	ND	ND	36	ND	ND	83
BL3 04+00N 1+50W	.1	2.51	17	ND	210	ND	.54	.1	16	55	57	4.58	.03	.67	745	1	.01	42	.06	9	ND	ND	4	ND	43	ND	ND	86
BL3 04+00N 1+75W	.1	1.88	3	ND	138	ND	.39	.1	11	48	35	3.70	.01	.50	480	1	.01	28	.04	6	ND	ND	ND	ND	34	ND	ND	70
BL3 04+00N 2+00W	.1	1.69	ND	ND	155	ND	.41	.2	11	39	27	3.26	.05	.46	789	ND	.01	26	.03	5	ND	ND	ND	ND	36	ND	ND	101
BL3 04+25N 0+00	.1	1.78	9	ND	175	ND	.34	.1	11	44	24	3.21	.03	.46	917	1	.01	27	.02	7	ND	ND	ND	ND	35	ND	ND	105
BL3 04+50N 0+00	.1	1.80	6	ND	149	3	.34	.3	12	40	24	3.04	.06	.48	817	ND	.01	28	.03	8	ND	ND	ND	ND	35	ND	ND	86
BL3 04+75N 0+00	.1	1.96	ND	ND	197	ND	.38	.1	11	44	26	3.28	.08	.50	845	ND	.01	25	.04	9	ND	ND	ND	ND	35	ND	ND	114
BL3 05+00N 0+00	.1	1.88	ND	ND	162	ND	.36	.1	12	43	23	3.26	.01	.56	650	ND	.01	25	.02	8	ND	ND	ND	ND	35	ND	ND	92
BL3 05+00N 0+25E	.1	2.05	ND	ND	160	ND	.39	.1	11	44	26	3.32	.05	.55	739	1	.01	25	.03	7	ND	ND	ND	ND	38	ND	ND	90
BL3 05+00N 0+50E	.1	2.21	ND	ND	238	ND	.47	.1	12	44	27	3.43	.06	.57	867	1	.01	25	.04	10	ND	ND	ND	ND	48	ND	ND	125
BL3 05+00N 0+75E	.1	2.64	ND	ND	173	ND	.45	.1	14	47	32	3.60	.06	.63	813	1	.01	33	.03	9	ND	ND	ND	ND	43	ND	ND	92
BL3 05+00N 1+00E	.1	2.79	ND	ND	225	ND	.55	.4	15	52	39	4.04	.10	.79	1207	ND	.01	36	.06	8	ND	ND	ND	ND	54	ND	ND	113
BL3 05+00N 1+25E	.1	2.73	ND	ND	167	ND	.55	.1	17	43	36	4.00	.02	1.24	768	ND	.01	38	.04	8	ND	ND	ND	ND	60	ND	ND	83
BL3 05+00N 1+50E	.1	2.64	ND	ND	115	ND	.46	.1	17	53	38	4.53	.02	.99	509	1	.01	40	.04	3	ND	ND	ND	ND	48	ND	ND	74
BL3 05+00N 1+75E	.1	2.05	ND	ND	133	4	.42	.1	15	49	26	3.39	.06	.74	992	1	.01	33	.03	4	ND	ND	ND	ND	62	ND	ND	86
BL3 05+00N 2+00E	.1	2.06	ND	ND	154	ND	.48	.2	14	61	39	3.92	.08	.63	533	1	.01	44	.05	7	ND	ND	ND	ND	46	ND	ND	82
BL3 05+00N 2+25E	.1	1.99	ND	ND	167	ND	.39	.1	14	50	24	3.37	.09	.57	630	1	.01	37	.05	11	ND	ND	ND	ND	41	3	3	91
BL3 05+00N 2+50E	.1	2.28	ND	ND	122	ND	.41	.3	17	58	32	4.07	.07	.77	633	1	.01	49	.03	11	ND	ND	ND	ND	43	ND	ND	79
BL3 05+00N 2+75E	.1	1.76	ND	ND	145	3	.37	.1	13	47	22	2.99	.09	.53	790	2	.01	39	.03	10	ND	ND	ND	2	40	ND	ND	86
BL3 05+00N 3+00E	.1	2.28	ND	ND	142	ND	.43	.3	16	52	27	3.51	.12	.66	951	1	.01	38	.03	13	ND	ND	ND	ND	48	ND	9	103
BL3 05+00N 0+25W	.1	1.96	3	ND	218	ND	.43	.6	11	42	27	3.20	.11	.50	1029	1	.01	35	.04	12	ND	ND	ND	ND	42	ND	ND	121
BL3 05+00N 0+50W	.1	2.01	4	ND	214	4	.53	.2	13	44	35	3.63	.10	.52	806	1	.01	33	.07	10	ND	ND	ND	ND	44	ND	ND	90
BL3 05+00N 0+75W	.1	1.98	3	ND	190	3	.40	.2	11	38	21	3.06	.08	.48	930	1	.01	26	.04	15	ND	ND	ND	ND	35	ND	ND	111
BL3 05+00N 1+00W	.1	1.27	6	ND	137	ND	.28	.4	9	40	22	2.93	.07	.37	505	1	.01	22	.03	10	ND	ND	ND	ND	33	3	ND	81
BL3 05+00N 1+25W	.1	1.93	9	ND	171	3	.48	.1	11	36	25	3.18	.10	.47	784	1	.01	25	.05	8	ND	ND	ND	ND	41	ND	ND	98
BL3 05+00N 1+50W	.1	1.90	6	ND	169	ND	.37	.3	12	38	30	3.29	.09	.47	696	1	.01	26	.03	13	ND	ND	ND	ND	37	ND	ND	90
BL3 05+00N 1+75W	.1	2.07	ND	ND	156	ND	.36	.1	11	37	25	3.21	.09	.49	734	1	.01	27	.03	8	ND	ND	ND	ND	36	5	ND	87
BL3 05+00N 2+00W	.1	1.74	ND	ND	164	5	.44	.1	12	47	28	3.32	.07	.47	846	1	.01	27	.04	15	ND	ND	ND	ND	39	ND	3	99
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



# VANGEOCHEM LAB LIMITED

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BRANCH OFFICE  
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 VANCOUVER, B.C. V5L 1L6  
 (604) 251-5656

REPORT NUMBER: 870933 6A

JOB NUMBER: 870933

RAPITAN RESOURCES INC.

PAGE 1 OF 12

SAMPLE #	Au ppb	Hg ppb
BLO 00+00N 0+00	10	1820
BLO 00+00N 0+25E	30	1020
BLO 00+00N 0+50E	25	1250
BLO 00+00N 0+25W	15	400
BLO 00+00N 0+50W	10	550
BLO 00+00N 0+75W	30	1100
BLO 00+00N 1+00W	20	74000
BLO 00+00N 1+25W	10	180
BLO 00+00N 1+50W	10	120
BLO 00+00N 1+75W	10	150
BLO 00+00N 2+00W	5	200
BLO 00+00N 3+10W	20	150
BLO 00+25N 0+00	--	950
BLO 00+50N 0+00	20	500
BLO 00+75N 0+00	10	220
BLO 01+00N 0+00	10	89000
BLO 01+00N 0+25E	10	960
BLO 01+00N 0+25W	10	300
BLO 01+00N 0+50W	5	250
BLO 01+00N 0+75W	5	180
BLO 01+00N 1+00W	20	1800
BLO 01+00N 1+25W	10	220
BLO 01+00N 1+50W	10	130
BLO 01+00N 1+75W	nd	200
BLO 01+00N 2+00W	nd	300
BLO 01+00N 2+25W	20	260
BLO 01+00N 2+75W	20	360
BLO 01+25N 0+00	nd	250
BLO 01+50N 0+00	nd	140
BLO 01+75N 0+00	nd	180
BLO 02+00N 0+00	10	80
BLO 02+00N 0+20E	20	100
BLO 02+00N 0+45E	20	115
BLO 02+00N 0+25W	10	70
BLO 02+00N 0+50W	10	280
BLO 02+00N 0+75W	nd	100
BLO 02+00N 1+00W	20	110
BLO 02+00N 1+25W	10	260
BLO 02+00N 1+50W	20	1150

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 CALCULATION OR REPEATED  
 ANALYSES

DETECTION LIMIT  
 nd = none detected

5 5  
 -- = not analysed

is = insufficient sample



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RAPITAN RESOURCES INC.

PAGE 2 OF 12

SAMPLE #	Au	Hg
	ppb	ppb
BLO 02+00N 1+75W	10	920
BLO 02+00N 2+00W	20	220
BLO 02+25N 0+00	nd	85
BLO 02+50N 0+00	25	180
BLO 02+75N 0+00	5	200
BLO 03+00N 0+00	10	120
BLO 03+00N 0+15E	10	3000
BLO 03+00N 0+30E	10	820
BLO 03+00N 0+25W	15	350
BLO 03+00N 0+50W	10	80
BLO 03+00N 0+75W	5	180
BLO 03+00N 1+00W	5	660
BLO 03+00N 1+25W	20	620
BLO 03+00N 1+75W	10	150
BLO 03+00N 2+00W	10	550
BLO 03+00N 2+25W	15	700
BLO 03+00N 2+40W	25	280
BLO 03+00N 2+50W	10	250
BLO 03+25N 0+00	20	1050
BLO 03+50N 0+00	25	700
BLO 03+75N 0+00	nd	1120
BLO 04+00N 0+00	10	300
BLO 04+00N 0+25E	10	320
BLO 04+00N 0+50E	20	350
BLO 04+00N 0+25W	15	660
BLO 04+00N 0+50W	nd	95
BLO 04+00N 0+75W	nd	150
BLO 04+00N 1+00W	nd	180
BLO 04+00N 1+25W	15	95
BLO 04+00N 1+50W	20	620
BLO 04+00N 1+75W	15	150
BLO 04+00N 2+00W	20	250
BLO 04+00N 2+25W	15	65
BLO 04+00N 2+50W	10	160
BLO 04+25N 0+00	10	290
BLO 04+50N 0+00	20	620
BLO 04+75N 0+00	15	1400
BLO 05+00N 0+00	10	620
BLO 05+00N 0+15E	10	410

DETECTION LIMIT 5 5

nd = none detected

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RAPITAN RESOURCES INC.

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SAMPLE #	Au	Hg
	ppb	ppb
BLO 05+00N 0+25E	15	1350
BLO 05+00N 0+25W	15	180
BLO 05+00N 0+50W	nd	190
BLO 05+00N 0+75W	nd	300
BLO 05+00N 1+00W	nd	320
BLO 05+00N 1+25W	25	75
BLO 05+00N 1+50W	20	780
BLO 05+00N 1+75W	20	300
BLO 05+00N 2+00W	10	1920
BLO 05+00N 2+25W	5	80
BLO 05+00N 2+50W	5	230
BLO 05+25N 0+00	10	200
BLO 05+50N 0+00	10	660
BLO 05+75N 0+00	nd	180
BLO 06+00N 0+00	15	650
BLO 06+00N 0+25E	20	520
BLO 06+00N 0+40E	20	520
BLO 06+25N 0+00	10	230
BLO 06+50N 0+00	10	615
BLO 06+75N 0+00	5	280
BLO 07+00N 0+00	10	650
BLO 07+00N 0+20E	25	300
BLO 07+00N 0+50E	30	780
BLO 07+00N 0+25W	nd	190
BLO 07+00N 0+50W	15	280
BLO 07+00N 0+75W	10	400
BLO 07+00N 1+00W	nd	480
BLO 07+25N 0+00	10	130
BLO 07+50N 0+00	20	310
BLO 07+75N 0+00	15	600
BLO 08+00N 0+00	--	1550
BLO 08+00N 0+25E	20	150
BLO 08+00N 0+50E	10	300
BLO 08+00N 0+25W	20	210
BLO 08+00N 0+50W	nd	180
BLO 08+00N 0+75W	nd	80
BLO 08+00N 1+00W	nd	1600
BLO 08+00N 1+25W	20	730
BLO 08+25N 0+00	15	210

DETECTION LIMIT 5 5

nd = none detected -- = not analysed is = insufficient sample

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JOB NUMBER: 970933

RAPITAN RESOURCES INC.

PAGE 4 OF 12

SAMPLE #	As ppb	Hg ppb
BLO 08+50N 0+00	nd	200
BLO 08+75N 0+00	10	260
BLO 09+00N 0+00	20	410
BLO 09+00N 0+25E	10	450
BLO 09+00N 0+50E	10	290
BLO 09+00N 0+25W	10	300
BLO 09+00N 0+50W	20	400
BLO 09+00N 0+75W	10	800
BLO 09+00N 1+00W	20	300
BLO 09+00N 1+25W	nd	75
BLO 09+25N 0+00	10	550
BLO 09+50N 0+00	10	200
BLO 09+75N 0+00	10	400
BLO 10+00N 0+00	15	490
BLO 10+00N 0+25E	20	260
BLO 10+00N 0+50E	30	240
BLO 10+00N 0+60E	30	130
BLO 10+00N 0+25W	20	250
BLO 10+00N 0+50W	15	370
BLO 10+00N 0+75W	15	420
BLO 10+00N 1+00W	20	320
BLO 10+00N 1+25W	15	150
BLO 10+00N 1+50W	10	160
BLO 10+00N 1+75W	10	80
BLO 10+00N 2+00W	20	300
BLO 10+25N 0+00	10	350
BLO 10+50N 0+00	--	280
BLO 10+75N 0+00	10	380
BLO 11+00N 0+00	25	180
BLO 11+00N 0+25E	20	340
BLO 11+00N 0+50E	10	200
BLO 11+00N 0+75E	10	120
BLO 11+00N 0+25W	15	150
BLO 11+00N 0+50W	20	450
BLO 11+00N 0+75W	20	270
BLO 11+00N 1+00W	10	120
BLO 11+00N 1+25W	20	180
BLO 11+00N 1+75W	10	120
BLO 11+00N 2+00W	20	80

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DETECTION LIMIT                    5                    5

nd = none detected

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is = insufficient sample



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RAPITAN RESOURCES INC.

PAGE 5 OF 12

SAMPLE #	Au ppb	Hg ppb
BLO 11+25N 0+00	5	930
BLO 11+50N 0+00	10	1100
BLO 11+75N 0+00	10	340
BLO 12+00N 0+00	nd	280
BLO 12+00N 0+25E	nd	220
BLO 12+00N 0+50E	10	760
BLO 12+00N 0+25W	10	150
BLO 12+00N 0+50W	10	80
BLO 12+00N 0+75W	10	500
BLO 12+00N 1+00W	10	85
BLO 12+00N 1+25W	10	120
BLO 12+00N 1+75W	10	160
BLO 12+00N 2+00W	20	320
BL1 00+00N 0+25W	20	400
BL1 00+00N 0+50W	10	300
BL1 00+00N 0+75W	10	1770
BL1 01+00N 0+50E	10	670
BL1 01+00N 0+25W	15	450
BL1 01+00N 0+50W	nd	300
BL1 01+00N 0+75W	nd	230
BL1 02+00N 0+00	nd	220
BL1 02+00N 0+25W	20	650
BL1 02+00N 0+50W	10	1330
BL1 02+00N 0+75W	10	300
BL1 02+00N 1+25W	10	2300
BL1 02+00N 1+50W	25	290
BL1 03+00N 0+00	15	850
BL1 03+00N 0+25W	20	360
BL1 03+00N 0+50W	10	380
BL1 03+00N 0+75W	10	150
BL1 03+00N 1+00W	10	160
BL1 03+00N 1+25W	10	150
BL1 03+00N 1+50W	10	250
BL1 04+00N 0+00	40	600
BL1 04+00N 0+25W	10	600
BL1 04+00N 0+50W	nd	90
BL1 04+00N 0+75W	10	200
BL1 04+00N 1+00W	10	350
BL1 04+00N 1+25W	15	930

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ANALYSES

DETECTION LIMIT                    5                    5

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RAPITAN RESOURCES INC.

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SAMPLE #	Au	Hg
	ppb	ppb
BL1 04+00N 1+50W	10	270
BL1 05+00N 0+00	nd	120
BL1 05+00N 0+25W	nd	120
BL1 05+00N 0+50W	10	300
BL1 05+00N 0+75W	10	200
BL1 05+00N 1+00W	20	230
BL1 06+00N 0+25E	10	250
BL1 06+00N 0+50E	nd	100
BL1 06+00N 0+75E	nd	90
BL1 06+00N 1+00E	nd	180
BL1 06+00N 0+25W	10	250
BL1 06+00N 0+50W	nd	680
BL1 06+00N 0+75W	10	480
BL1 06+00N 1+00W	10	650
BL1 07+00N 0+00	20	350
BL1 07+00N 0+50E	nd	220
BL1 07+00N 0+75E	nd	150
BL1 07+00N 1+00E	20	40
BL1 07+00N 0+25W	nd	90
BL1 07+00N 0+50W	nd	150
BL1 07+00N 0+75W	nd	380
BL1 07+00N 1+00W	nd	200
BL1 07+25N 0+00	nd	80
BL1 07+50N 0+00	nd	200
BL1 07+75N 0+00	nd	100
BL1 08+00N 0+00	nd	310
BL1 08+00N 0+25E	nd	200
BL1 08+00N 0+75E	nd	280
BL1 08+00N 1+00E	10	80
BL1 08+00N 0+25W	10	70
BL1 08+00N 0+50W	10	200
BL1 08+00N 0+75W	10	150
BL1 08+00N 1+00W	10	200
BL1 08+25N 0+00	10	150
BL1 08+50N 0+00	25	410
BL1 08+75N 0+00	10	380
BL1 09+00N 0+00	5	250
BL1 09+00N 0+25E	5	250
BL1 09+00N 0+50E	5	500

PRELIMINARY REPORT ONLY  
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DETECTION LIMIT

5

5

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SAMPLE #	Au ppb	Hg ppb
BL1 09+00N 0+75E	10	400
BL1 09+00N 1+00E	20	300
BL1 09+00N 0+25W	20	70
BL1 09+00N 0+50W	10	80
BL1 09+00N 0+75W	nd	350
BL1 09+00N 1+00W	10	680
BL1 09+25N 0+00	10	720
BL1 09+50N 0+00	10	220
BL1 09+75N 0+00	5	150
BL1 10+00N 0+00	5	450
BL1 10+00N 0+25E	20	100
BL1 10+00N 0+50E	10	700
BL1 10+00N 0+75E	5	200
BL1 10+00N 1+00E	nd	720
BL1 10+00N 0+25W	10	300
BL1 10+00N 0+50W	10	120
BL1 10+00N 0+75W	10	120
BL1 10+00N 1+00W	nd	80
BL1 10+25N 0+00	nd	250
BL1 10+50N 0+00	10	400
BL1 10+75N 0+00	10	290
BL1 11+00N 0+00	10	120
BL1 11+00N 0+25E	10	350
BL1 11+00N 0+50E	10	460
BL1 11+00N 0+75E	15	290
BL1 11+00N 1+00E	nd	140
BL1 11+00N 0+25W	nd	180
BL1 11+00N 0+50W	nd	130
BL1 11+00N 0+75W	10	160
BL1 11+00N 1+00W	10	70
BL1 11+25N 0+00	10	200
BL1 11+50N 0+00	10	310
BL1 11+75N 0+00	10	450
BL1 12+00N 0+00	10	180
BL1 12+00N 0+25E	10	720
BL1 12+00N 0+50E	10	260
BL1 12+00N 0+75E	10	150
BL1 12+00N 1+00E	10	160
BL1 12+00N 0+25W	10	300

DETECTION LIMIT

5 5

nd = none detected

-- = not analysed

is = insufficient sample

PRELIMINARY REPORT ONLY  
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CALCULATION OR REPEATED  
ANALYSES





# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1521 PEMBERTON AVE.  
NORTH VANCOUVER, B.C. V7P 2S3  
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-5656

REPORT NUMBER: 870933 GA

JOB NUMBER: 870933

RAPITAN RESOURCES INC.

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SAMPLE #	Au ppb	Hg ppt
BL1 12+00N 0+50W	5	150
BL1 12+00N 0+75W	5	30
BL1 12+00N 0+95W	10	150
BL1 12+25N 0+00	10	80
BL2 00+00N 0+00	15	660
BL2 00+00N 0+10E	20	210
BL2 00+00N 0+25E	20	8100 -
BL2 00+25N 0+00	30	380
BL2 00+25N 0+15E	10	750
BL2 00+25N 0+10W	10	160
BL2 00+50N 0+00	10	230
BL2 00+50N 0+15E	15	7100 -
BL2 00+75N 0+00	10	400
BL2 00+75N 0+14E	10	5000 -
BL2 00+75N 0+30E	10	340
BL2 00+75N 0+45E	15	260
BL2 00+75N 0+15W	20	300
BL2 01+00N 0+00	10	70
BL2 01+00N 0+25E	5	120
BL2 01+00N 0+50E	25	350
BL2 01+00N 0+75E	10	120
BL2 01+00N 0+25W	10	280
BL2 01+00N 0+50W	5	330
BL2 01+00N 0+75W	10	300
BL2 01+25N 0+00	15	860
BL2 01+50N 0+00	20	310
BL2 01+50N 0+25E	30	610
BL2 01+50N 0+50E	15	360
BL2 01+50N 0+75E	10	380
BL2 01+50N 0+25W	10	580
BL2 01+50N 0+50W	15	85
BL2 01+50N 0+75W	25	160
BL2 01+75N 0+00	5	5200 •
BL2 02+00N 0+00	10	330
BL2 02+00N 0+25E	15	250
BL2 02+00N 0+50E	20	1050 •
BL2 02+00N 0+75E	20	530
BL2 02+00N 0+25W	5	105
BL2 02+00N 0+50W	10	220

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ANALYSES

DETECTION LIMIT            5            5  
nd = none detected        -- = not analysed        is = insufficient sample



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(604) 251-5656

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JOB NUMBER: 870933

RAPITAN RESOURCES INC.

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SAMPLE #	Au ppb	Hg ppb
BL2 02+00N 0+75W	10	120
BL2 02+25N 0+00	10	5000
BL2 02+50N 0+00	5	110
BL2 02+50N 0+25E	35	470
BL2 02+50N 0+50E	5	250
BL2 02+50N 0+75E	nd	600
BL2 02+50N 0+25W	10	210
BL2 02+50N 0+50W	nd	150
BL2 02+50N 0+75W	nd	170
BL2 02+75N 0+00	10	390
BL2 03+00N 0+00	20	300
BL2 11+00N 1+50W	15	230
BL3 00+00N	nd	1100
BL3 00+00N 0+25E	nd	320
BL3 00+00N 0+50E	5	1920
BL3 00+00N 0+75E	30	920
BL3 00+00N 1+25E	20	600
BL3 00+00N 1+50E	20	350
BL3 00+00N 1+75E	10	720
BL3 00+00N 2+00E	10	360
BL3 00+00N 2+25E	nd	300
BL3 00+00N 2+50E	10	580
BL3 00+00N 2+75E	nd	250
BL3 00+00N 3+00E	20	380
BL3 00+00N 0+25W	10	650
BL3 00+00N 0+50W	15	330
BL3 00+00N 0+75W	25	280
BL3 00+00N 1+00W	10	200
BL3 00+00N 1+25W	10	180
BL3 00+00N 1+50W	10	160
BL3 00+00N 1+75W	10	200
BL3 00+00N 2+00W	nd	210
BL3 00+25N 0+00	10	1200
BL3 00+50N 0+00	10	200
BL3 00+75N 0+00	nd	350
BL3 01+00N 0+00	nd	200
BL3 01+00N 0+25E	10	350
BL3 01+00N 0+50E	--	620
BL3 01+00N 0+75E	10	700

DETECTION LIMIT

5 5

nd = none detected

-- = not analysed

is = insufficient sample

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DATA TO BE CONFIRMED BY  
CALCULATION OR REPEATED  
ANALYSIS



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BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-5656

REPORT NUMBER: 870933 GA

JOB NUMBER: 370933

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SAMPLE #	As ppb	Hg ppb
BL3 01+00N 1+00E	10	420
BL3 01+00N 1+25E	25	500
BL3 01+00N 1+50E	10	500
BL3 01+00N 1+75E	10	720
BL3 01+00N 2+00E	10	580
BL3 01+00N 2+25E	10	370
BL3 01+00N 2+50E	10	520
BL3 01+00N 2+75E	10	380
BL3 01+00N 3+00E	10	1260
BL3 01+00N 0+25W	10	350
BL3 01+00N 0+50W	10	400
BL3 01+00N 0+75W	5	180
BL3 01+00N 1+00W	10	200
BL3 01+00N 1+25W	10	230
BL3 01+00N 1+50W	10	750
BL3 01+00N 1+75W	10	250
BL3 01+00N 2+00W	10	130
BL3 01+25N 0+00	10	510
BL3 01+50N 0+00	10	3500
BL3 01+75N 0+00	10	310
BL3 02+00N 0+00	10	170
BL3 02+00N 0+25E	10	380
BL3 02+00N 0+50E	--	560
BL3 02+00N 0+75E	10	280
BL3 02+00N 1+00E	50	600
BL3 02+00N 1+25E	nd	410
BL3 02+00N 1+50E	20	1300
BL3 02+00N 1+75E	10	240
BL3 02+00N 2+00E	10	380
BL3 02+00N 2+25E	--	500
BL3 02+00N 2+50E	10	320
BL3 02+00N 2+75E	10	220
BL3 02+00N 3+00E	10	290
BL3 02+00N 0+25W	5	350
BL3 02+00N 0+50W	10	960
BL3 02+00N 0+75W	nd	580
BL3 02+00N 1+00W	nd	200
BL3 02+00N 1+25W	nd	250
BL3 02+00N 1+50W	nd	380

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DATA TO BE CONFIRMED BY  
CALCULATION OF ANALYST  
A 11 88

DETECTION LIMIT

5 5

nd = none detected

-- = not analysed

is = insufficient sample



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(604) 251-5656

REPORT NUMBER: 870933 GA

JOB NUMBER: 870933

RAPITAN RESOURCES INC.

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SAMPLE #	Au ppb	Hg ppb
BL3 02+00N 1+75W	nd	75
BL3 02+00N 2+00W	5	200
BL3 02+25N 0+00	5	500
BL3 02+50N 0+00	nd	810
BL3 02+75N 0+00	15	520
BL3 03+00N 0+00	nd	380
BL3 03+00N 0+25E	nd	210
BL3 03+00N 0+50E	nd	220
BL3 03+00N 0+75E	nd	310
BL3 03+00N 1+00E	10	400
BL3 03+00N 1+25E	10	460
BL3 03+00N 1+50E	10	300
BL3 03+00N 1+75E	10	320
BL3 03+00N 2+00E	10	180
BL3 03+00N 2+25E	10	920
BL3 03+00N 2+50E	10	80
BL3 03+00N 2+75E	10	850
BL3 03+00N 3+00E	10	700
BL3 03+00N 0+25W	10	180
BL3 03+00N 0+50W	10	720
BL3 03+00N 0+75W	15	460
BL3 03+00N 1+00W	10	1650
BL3 03+00N 1+25W	nd	730
BL3 03+00N 1+50W	20	750
BL3 03+00N 1+75W	10	350
BL3 03+00N 2+00W	15	300
BL3 03+25N 0+00	15	510
BL3 03+50N 0+00	nd	300
BL3 03+75N 0+00	nd	280
BL3 04+00N 0+00	20	340
BL3 04+00N 0+25E	10	360
BL3 04+00N 0+50E	nd	200
BL3 04+00N 0+75E	10	420
BL3 04+00N 1+00E	10	450
BL3 04+00N 1+25E	10	220
BL3 04+00N 1+50E	10	260
BL3 04+00N 1+75E	10	200
BL3 04+00N 2+00E	10	240
BL3 04+00N 2+25E	10	120

DETECTION LIMIT

5 5

nd = none detected

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JOB NUMBER: B70933

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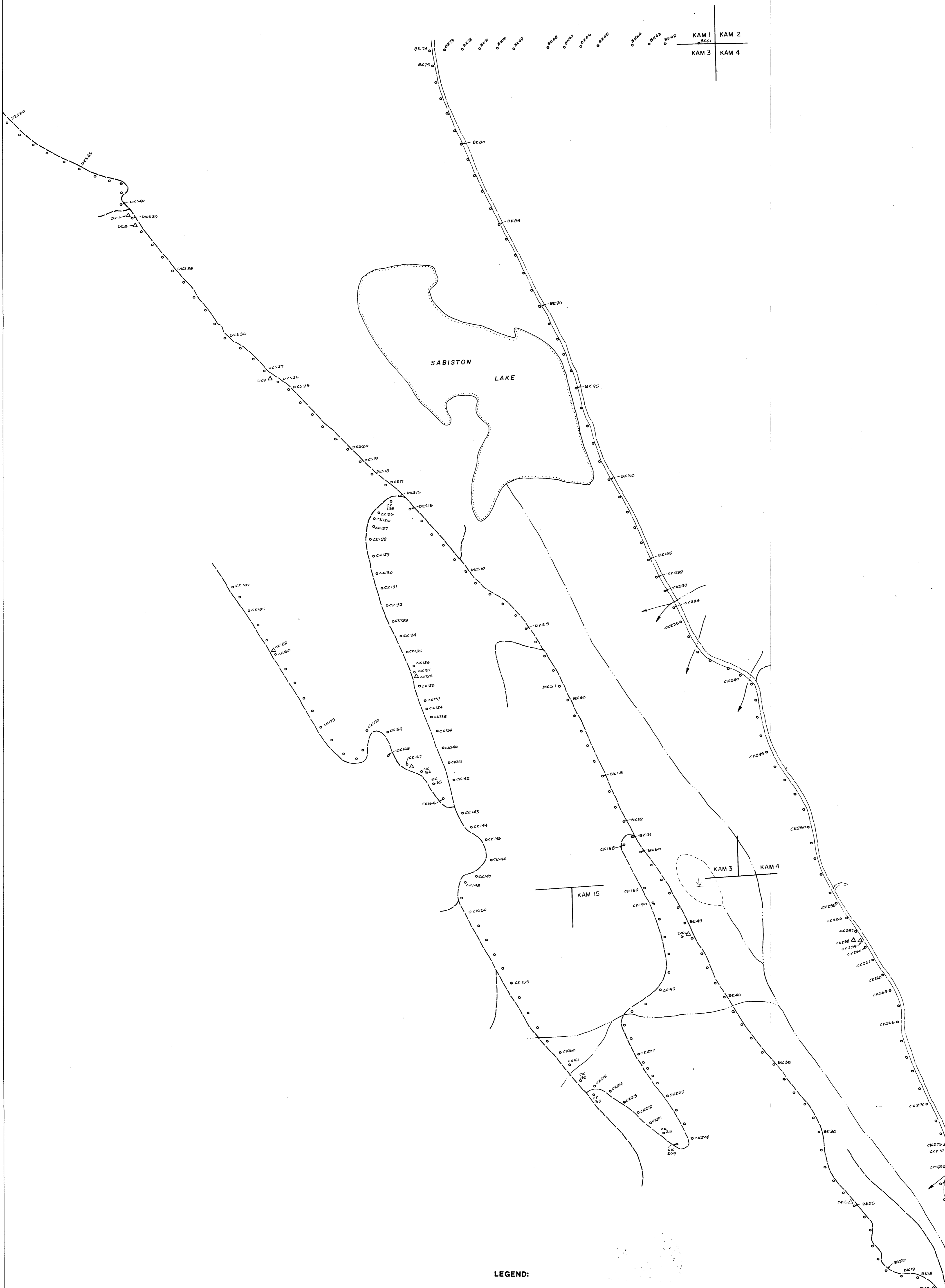
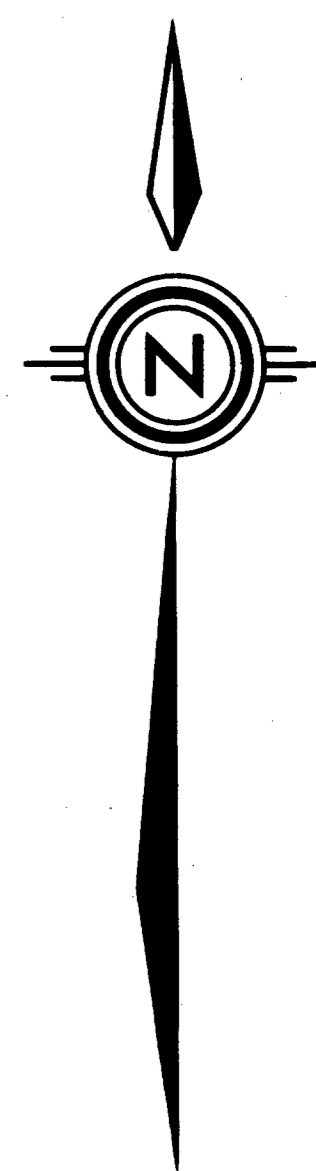
SAMPLE #	Au ppb	Hg ppb
BL3 04+00N 2+50E	15	680
BL3 04+00N 2+75E	nd	100
BL3 04+00N 3+00E	nd	220
BL3 04+00N 0+25W	nd	200
BL3 04+00N 0+50W	nd	650
BL3 04+00N 0+75W	20	640
BL3 04+00N 1+00W	20	700
BL3 04+00N 1+25W	10	510
BL3 04+00N 1+50W	--	1800
BL3 04+00N 1+75W	5	950
BL3 04+00N 2+00W	20	320
BL3 04+25N 0+00	10	380
BL3 04+50N 0+00	nd	300
BL3 04+75N 0+00	10	400
BL3 05+00N 0+00	10	240
BL3 05+00N 0+25E	nd	480
BL3 05+00N 0+50E	nd	680
BL3 05+00N 0+75E	nd	670
BL3 05+00N 1+00E	10	200
BL3 05+00N 1+25E	10	230
BL3 05+00N 1+50E	10	280
BL3 05+00N 1+75E	nd	55
BL3 05+00N 2+00E	10	200
BL3 05+00N 2+25E	10	80
BL3 05+00N 2+50E	10	70
BL3 05+00N 2+75E	10	55
BL3 05+00N 3+00E	30	65
BL3 05+00N 0+25W	nd	450
BL3 05+00N 0+50W	10	590
BL3 05+00N 0+75W	10	85
BL3 05+00N 1+00W	10	640
BL3 05+00N 1+25W	20	670
BL3 05+00N 1+50W	10	500
BL3 05+00N 1+75W	10	320
BL3 05+00N 2+00W	nd	630

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CALCULATION OR REPEATED  
ANALYSES

DETECTION LIMIT  
nd = none detected

5 5  
-- = not analysed

is = insufficient sample

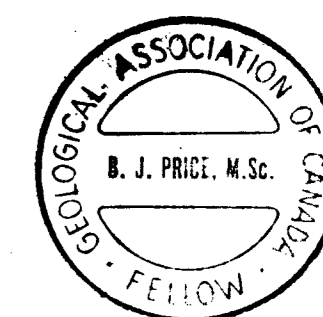


**LEGEND:**

- SOIL SAMPLE LOCATION
- △ ROCK SAMPLE LOCATION

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

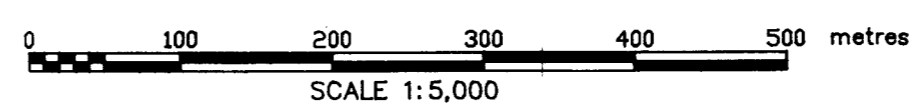
**16,212**



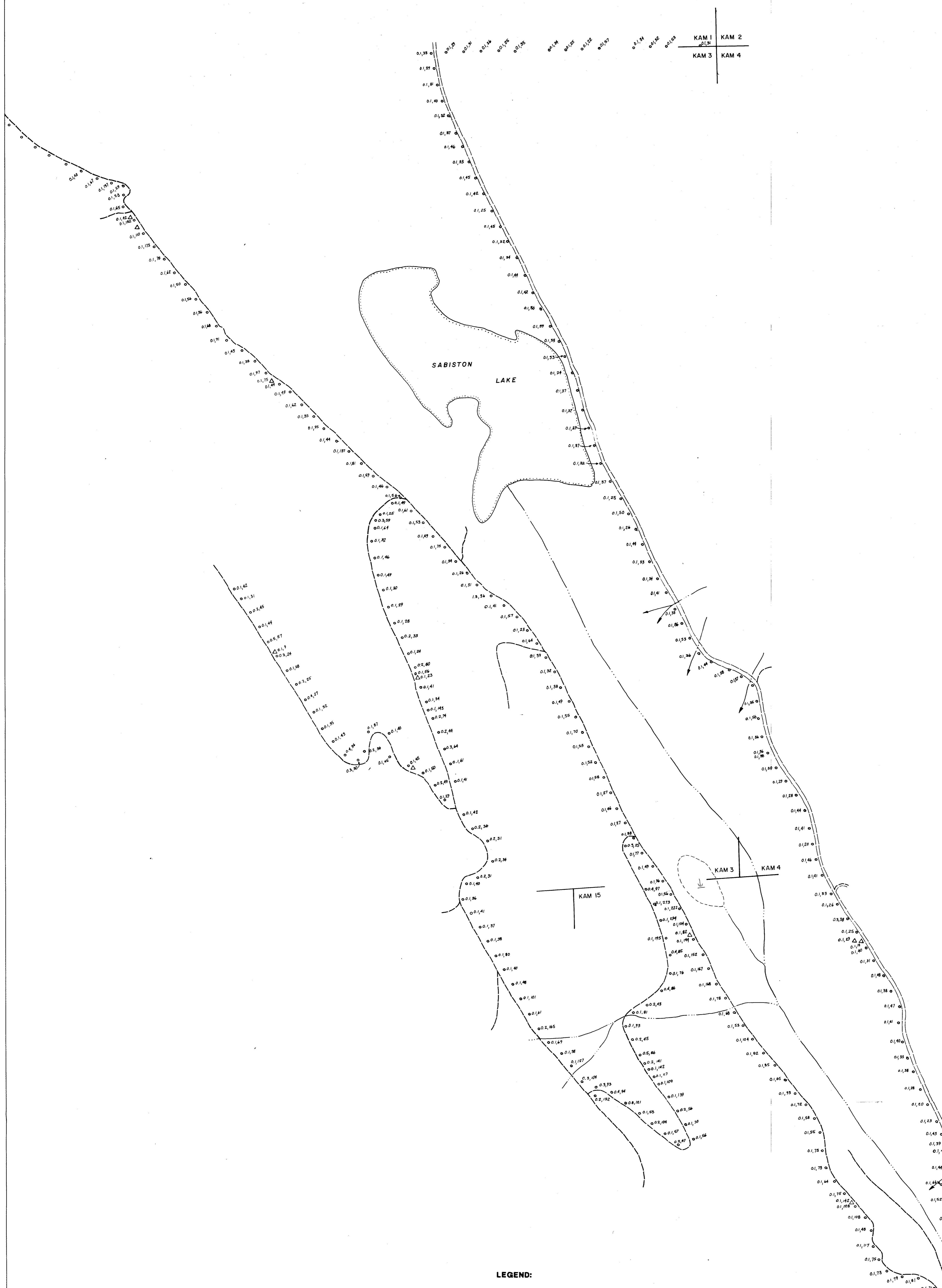
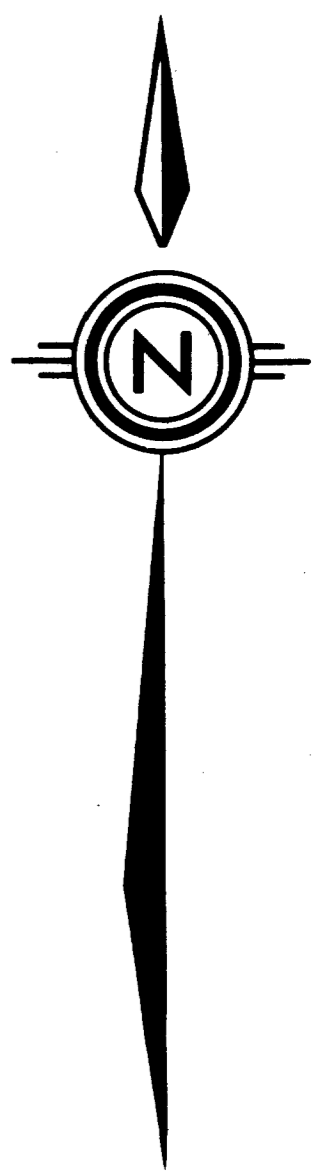
**EMERALD STAR MINING EXPLORATIONS LTD.**

**KAM PROPERTY**  
KAMLOOPS MINING DIVISION, B.C. NTS: 921/15  
ROAD TRAVERSES - NORTH AREA  
**GEOCHEMICAL SURVEY**  
**SAMPLE LOCATION MAP**

TECHNICAL WORK BY: BARRY PRICE	SCALE 1:5,000
DRAWN BY: B.P./rwr	DATE: AUG., 1987
APPROVED BY: B.PRICE	DRAWING NUMBER: 5A



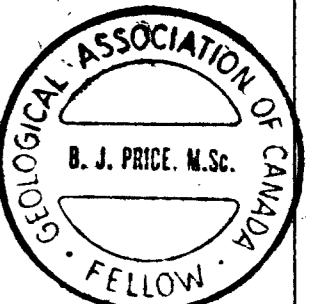
Prepared by: RWR MINERAL GRAPHICS LTD.



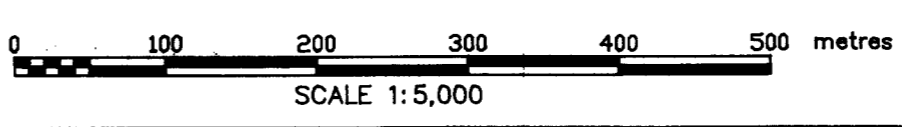
- LEGEND:**
- 0.1-75 Ag, Cu VALUES IN ppm
  - SOIL SAMPLE LOCATION
  - △ ROCK SAMPLE LOCATION

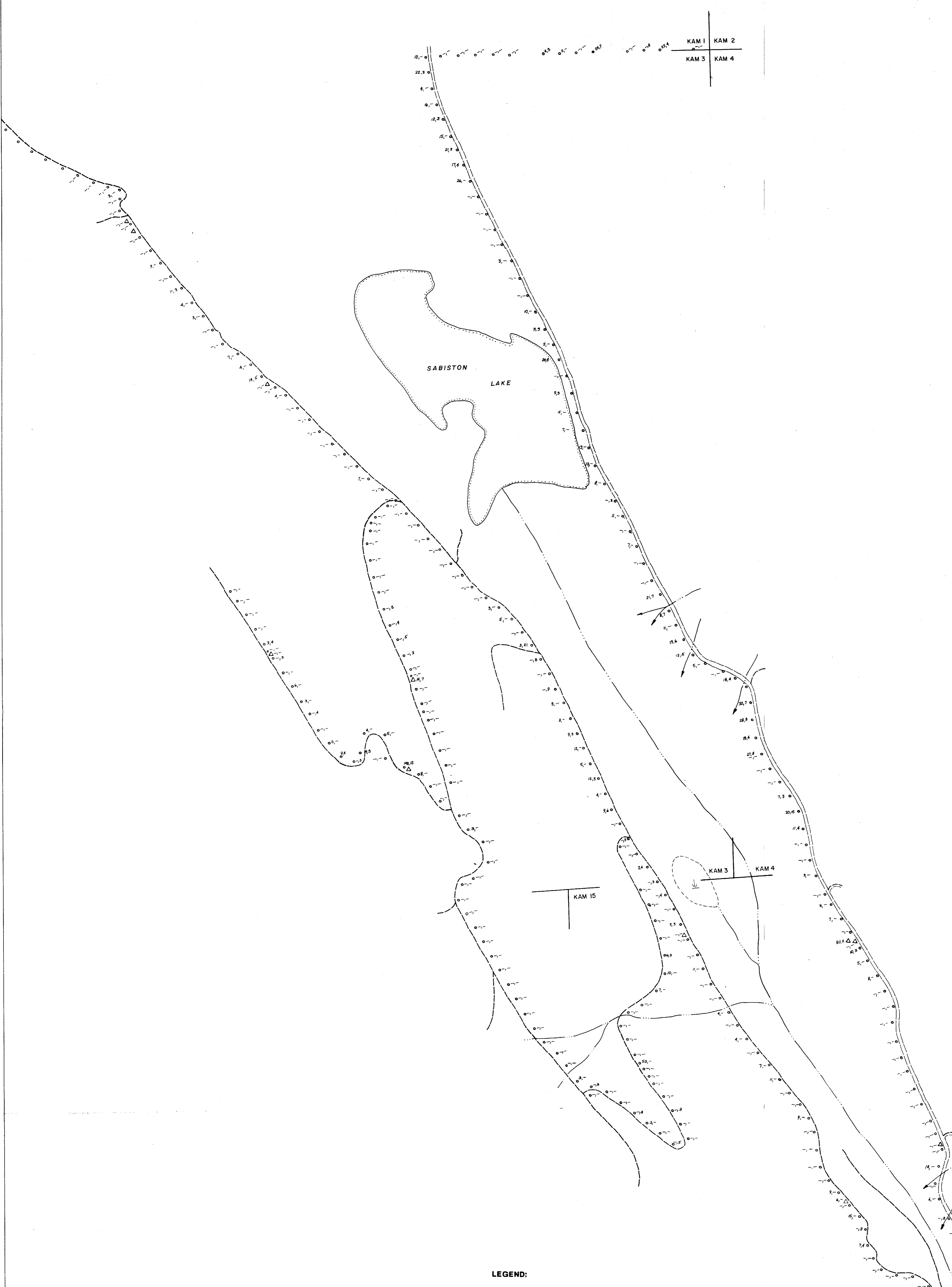
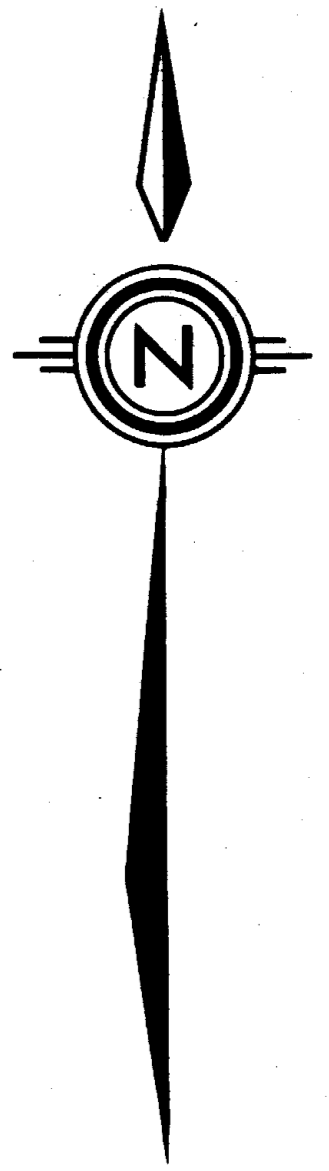
**GEOLOGICAL BRANCH  
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<b>EMERALD STAR MINING EXPLORATIONS LTD.</b>	
<b>KAM PROPERTY</b> KAMLOOPS MINING DIVISION, B.C. NTS: 921/15	
<b>ROAD TRAVERSES - NORTH AREA</b>	
<b>GEOCHEMICAL SURVEY</b>	
<b>Ag, Cu RESULTS</b>	
TECHNICAL WORK BY: BARRY PRICE	SCALE 1:5,000
DRAWN BY: B.P./rwr	DATE: AUG., 1987
APPROVED BY: B.PRICE	DRAWING NUMBER: 5B





**LEGEND:**

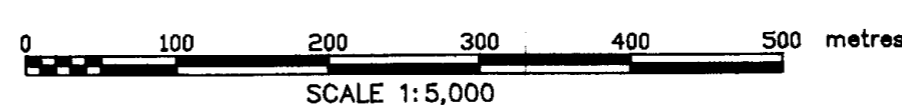
- As, Sb VALUES IN ppm
- SOIL SAMPLE LOCATION
- △ ROCK SAMPLE LOCATION
- INDICATES VALUE < DETECTION LIMIT

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,212**

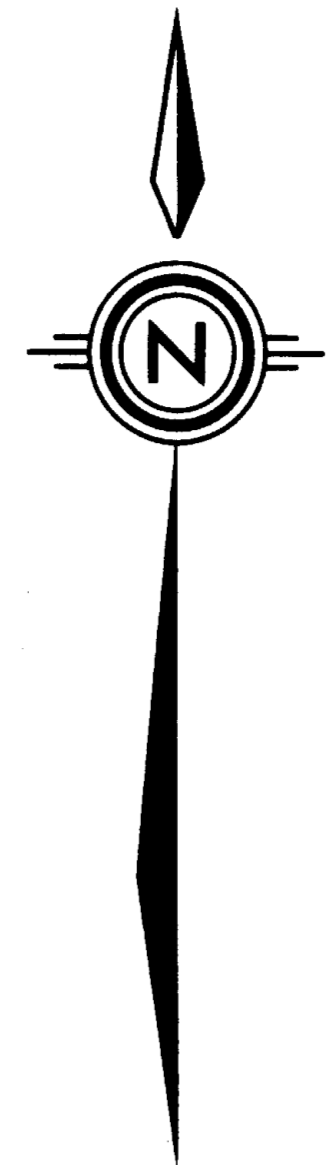


<b>EMERALD STAR MINING EXPLORATIONS LTD.</b>	
KAM PROPERTY KAMLOOPS MINING DIVISION, B.C. NTS: 92/15 ROAD TRAVERSES - NORTH AREA	
<b>GEOCHEMICAL SURVEY</b>	
<b>As, Sb RESULTS</b>	
TECHNICAL WORK BY: BARRY PRICE	SCALE 1:5,000
DRAWN BY: B.P./rwr	DATE: AUG., 1987
APPROVED BY: B.PRICE	DRAWING NUMBER: 5C

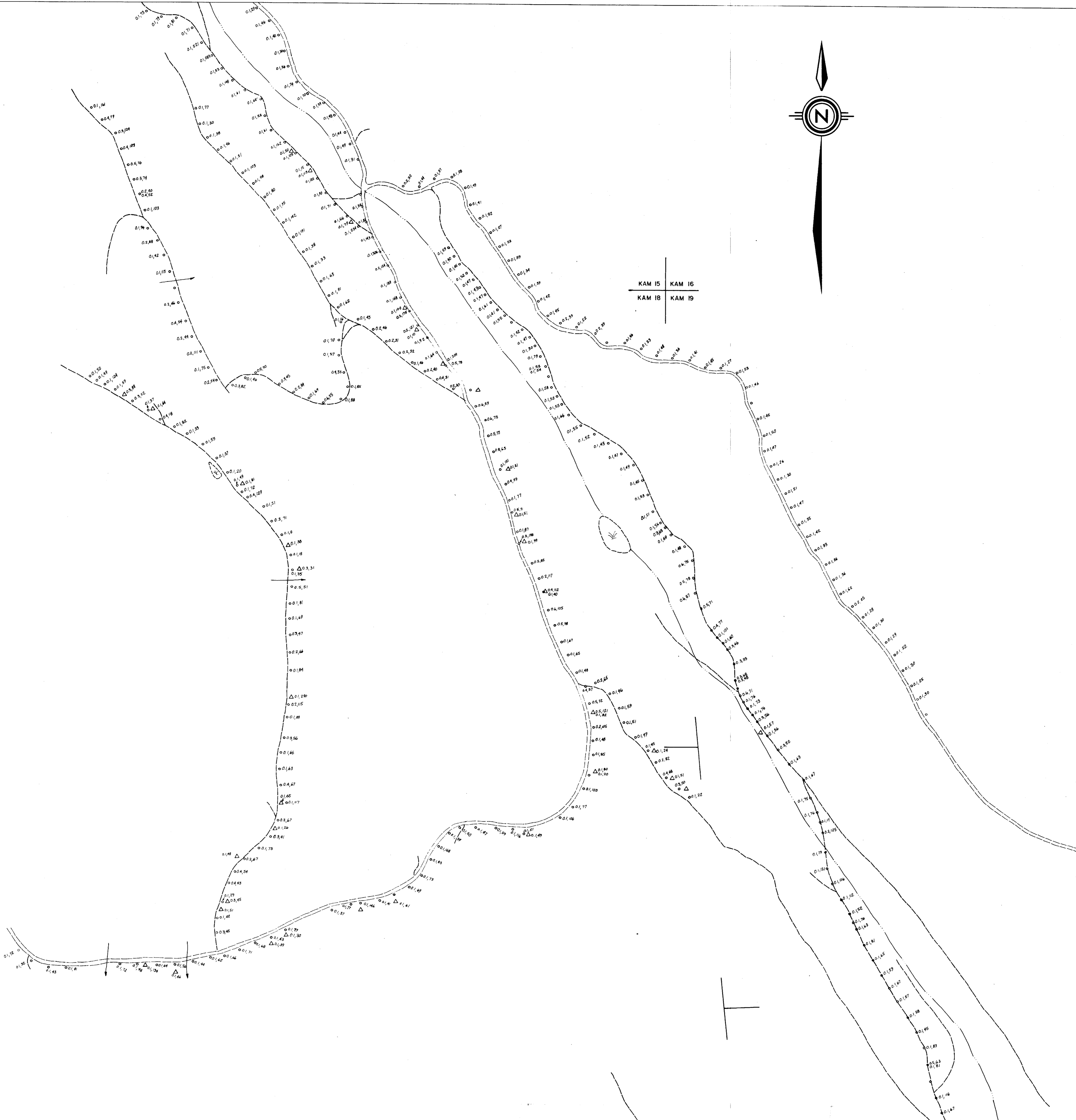








KAM 15 KAM 16  
KAM 18 KAM 19



**GEOLOGICAL BRANCH  
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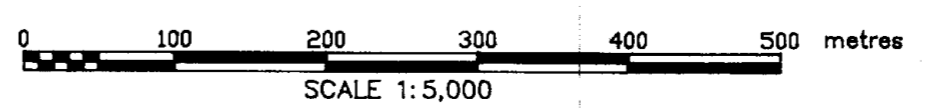
**EMERALD STAR MINING EXPLORATIONS LTD.**

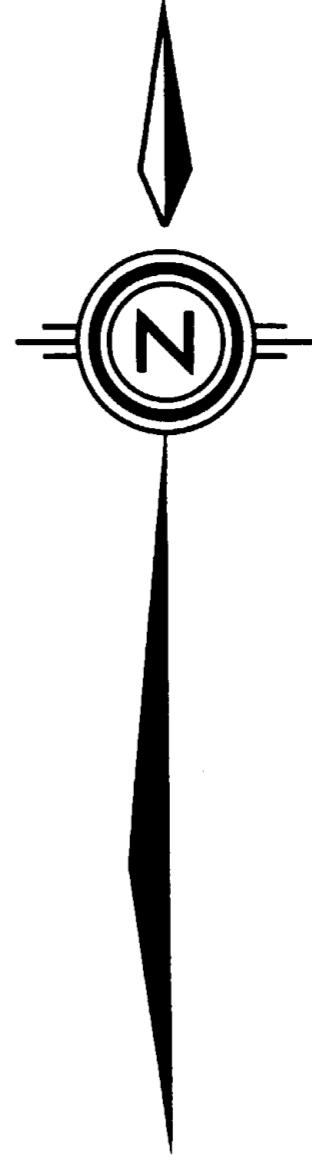
**KAM PROPERTY**  
KAMLOOPS MINING DIVISION, B.C. NTS:921/15  
ROAD TRAVERSES - CENTRAL AREA

**GEOCHEMICAL SURVEY**  
**Ag, Cu RESULTS**

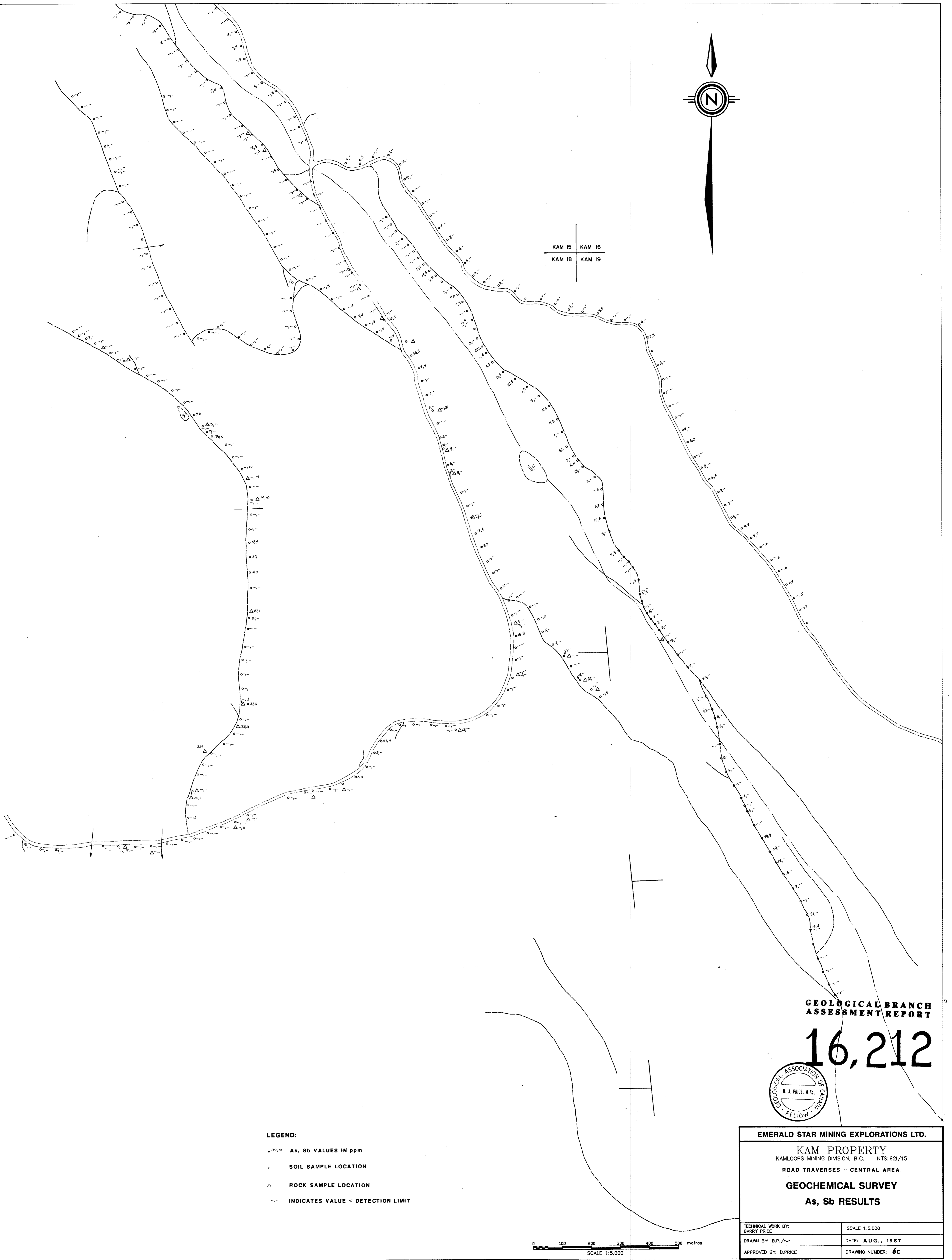
TECHNICAL WORK BY: BARRY PRICE	SCALE 1:5,000
DRAWN BY: B.P./rwr	DATE: AUG., 1987
APPROVED BY: B.PRICE	DRAWING NUMBER: 6B

- LEGEND:**
- Ag, Cu VALUES IN ppm
  - SOIL SAMPLE LOCATION
  - △ ROCK SAMPLE LOCATION





KAM 15 KAM 16  
KAM 18 KAM 19



GEOLOGICAL BRANCH  
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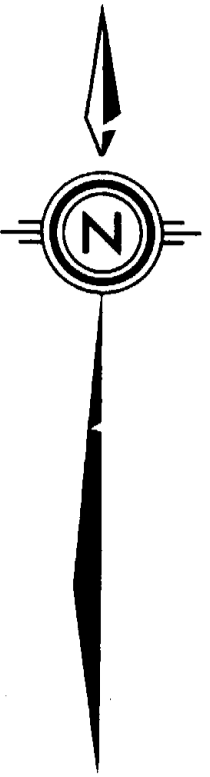


- LEGEND:
- As, Sb VALUES IN ppm
  - SOIL SAMPLE LOCATION
  - △ ROCK SAMPLE LOCATION
  - - - INDICATES VALUE < DETECTION LIMIT

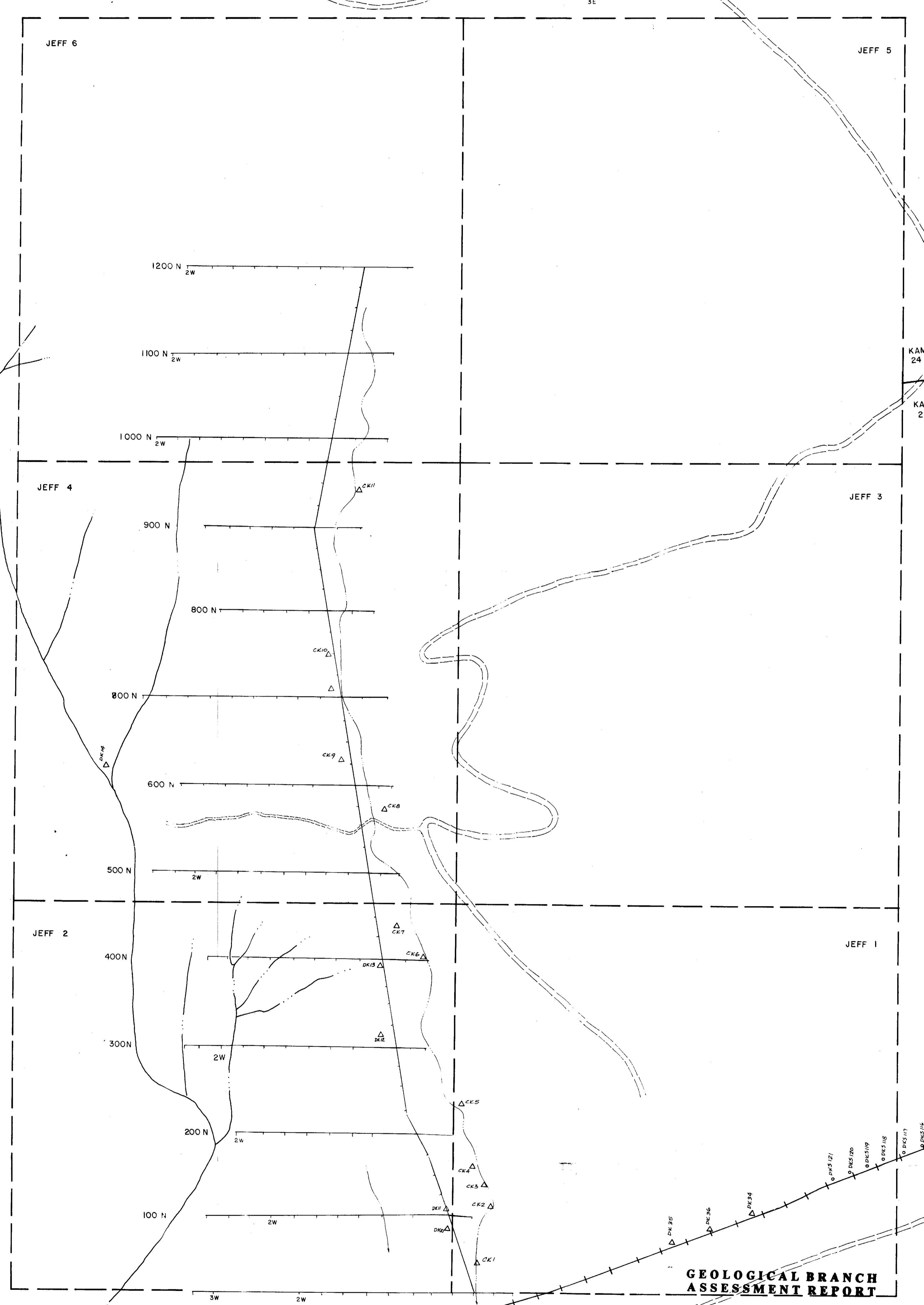
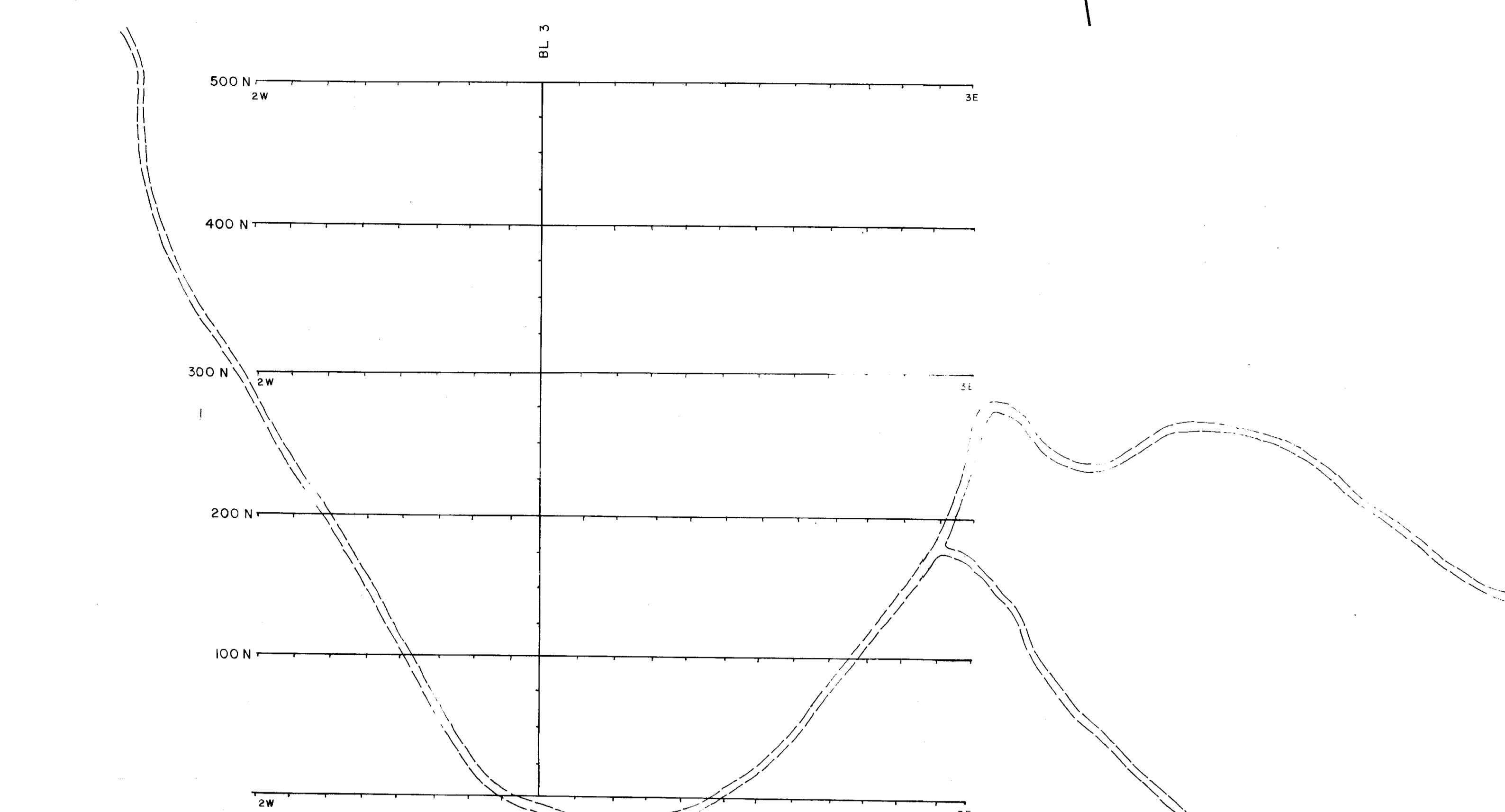
EMERALD STAR MINING EXPLORATIONS LTD.	
KAM PROPERTY KAMLOOPS MINING DIVISION, B.C. NTS: 92/15	
ROAD TRAVERSES - CENTRAL AREA	
GEOCHEMICAL SURVEY	
As, Sb RESULTS	
TECHNICAL WORK BY: BARRY PRICE	SCALE 1:5,000
DRAWN BY: B.P./rwr	DATE: A.U.G., 1987
APPROVED BY: B.PRICE	DRAWING NUMBER: 6C

0 100 200 300 400 500 metres  
SCALE 1:5,000

KAM 19  
KAM 22  
KAM 24

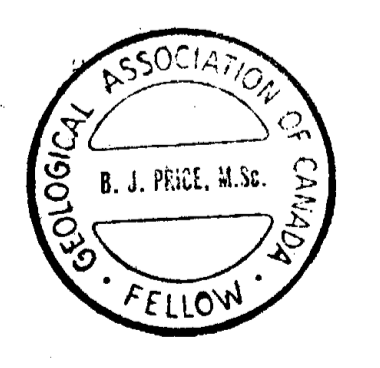


SUBSTON CREEK

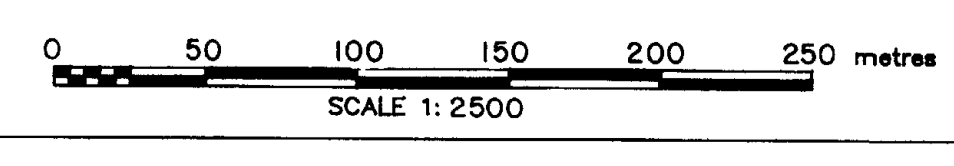


GEOLOGICAL BRANCH  
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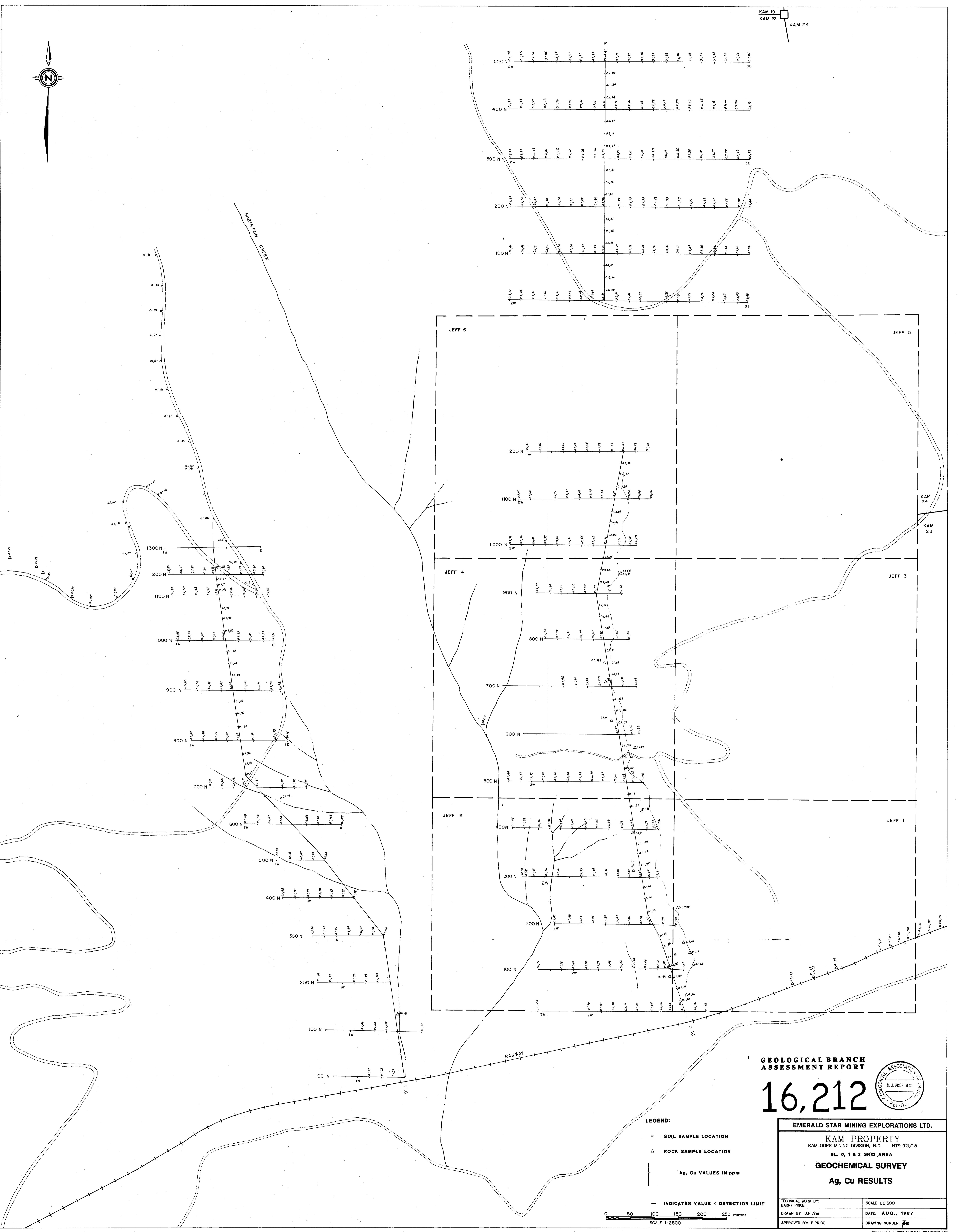


- LEGEND:**
- SOIL SAMPLE LOCATION
  - △ ROCK SAMPLE LOCATION



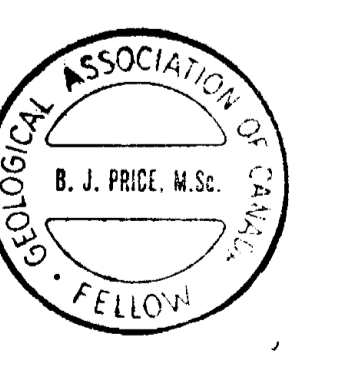
EMERALD STAR MINING EXPLORATIONS LTD.	
KAM PROPERTY KAMLOOPS MINING DIVISION, B.C. NTS:92/15	
BL. 0, 1 & 3 GRID AREA	
<b>GEOCHEMICAL SURVEY</b>	
<b>SAMPLE LOCATION MAP</b>	
TECHNICAL WORK BY: BARRY PRICE	SCALE 1:2500
DRAWN BY: B.P./rw	DATE: AUG., 1987
APPROVED BY: B.PRICE	DRAWING NUMBER: 7A

KAM 19  
KAM 22  
KAM 24

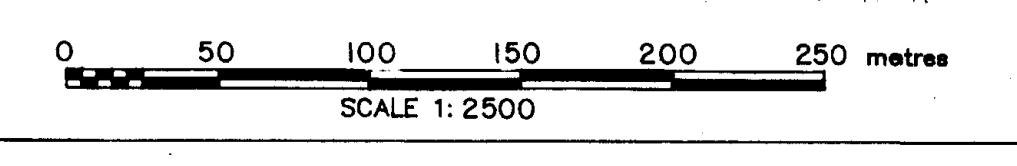


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ASSESSMENT REPORT**

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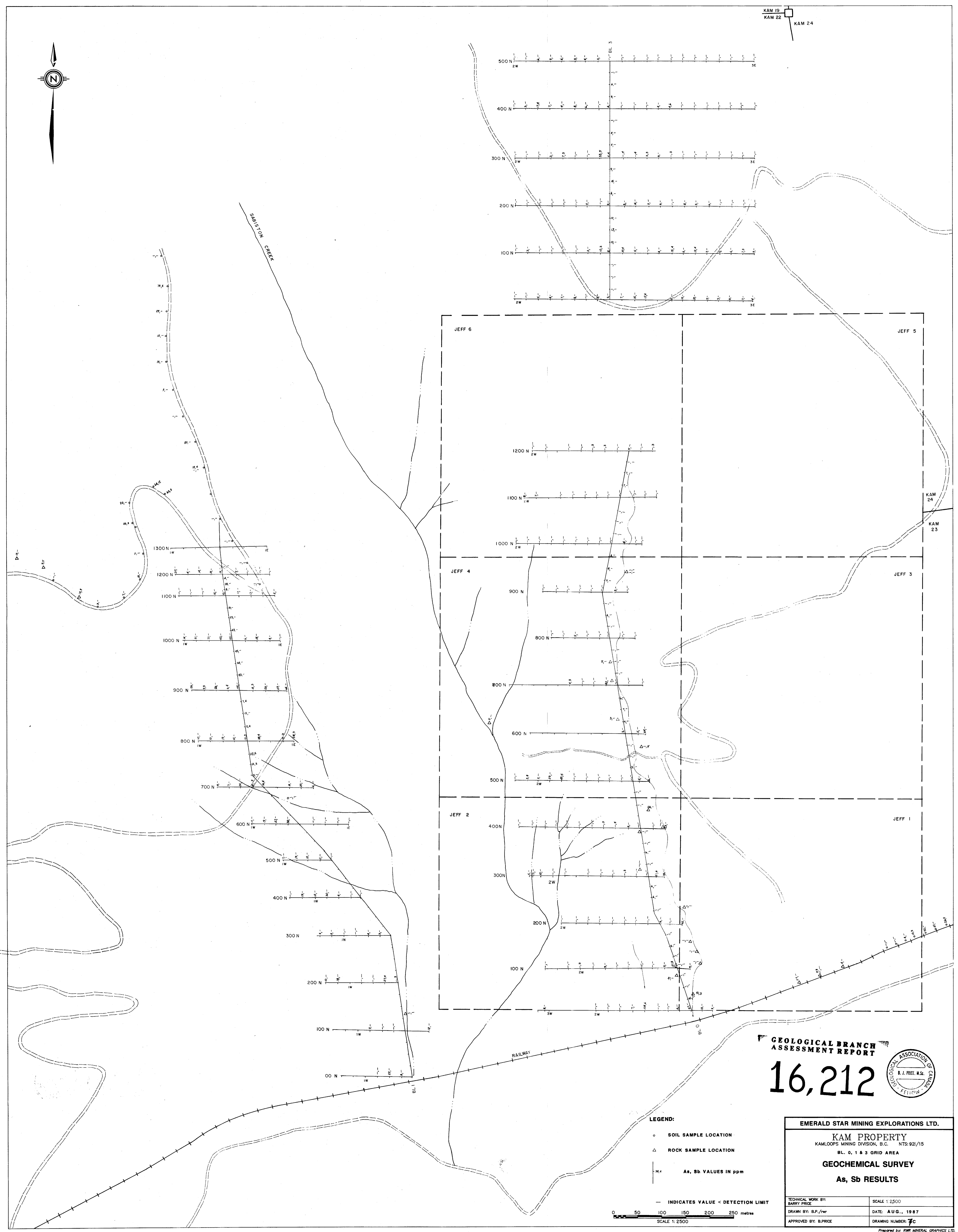


- LEGEND:**
- SOIL SAMPLE LOCATION
  - △ ROCK SAMPLE LOCATION
  - Ag, Cu VALUES IN ppm
  - INDICATES VALUE < DETECTION LIMIT



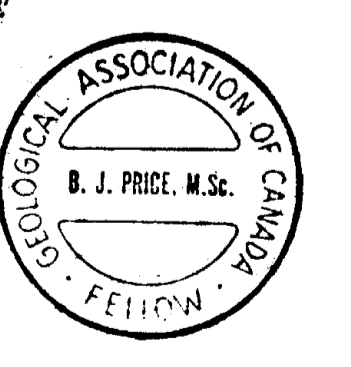
<b>EMERALD STAR MINING EXPLORATIONS LTD.</b>	
<b>KAM PROPERTY</b>	
KAMLOOPS MINING DIVISION, B.C. NTS: 92/15	
BL. 0, 1 & 3 GRID AREA	
<b>GEOCHEMICAL SURVEY</b>	
<b>Ag, Cu RESULTS</b>	
TECHNICAL WORK BY: BARRY PRICE	SCALE 1: 2,500
DRAWN BY: B.P./rwr	DATE: AUG., 1987
APPROVED BY: B.PRICE	DRAWING NUMBER: 28

KAM 19  
KAM 22  
KAM 24



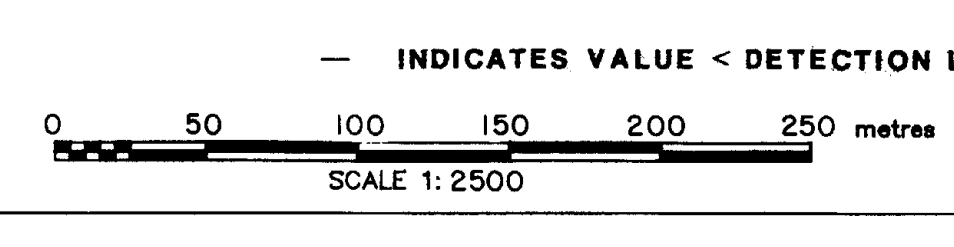
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,212**

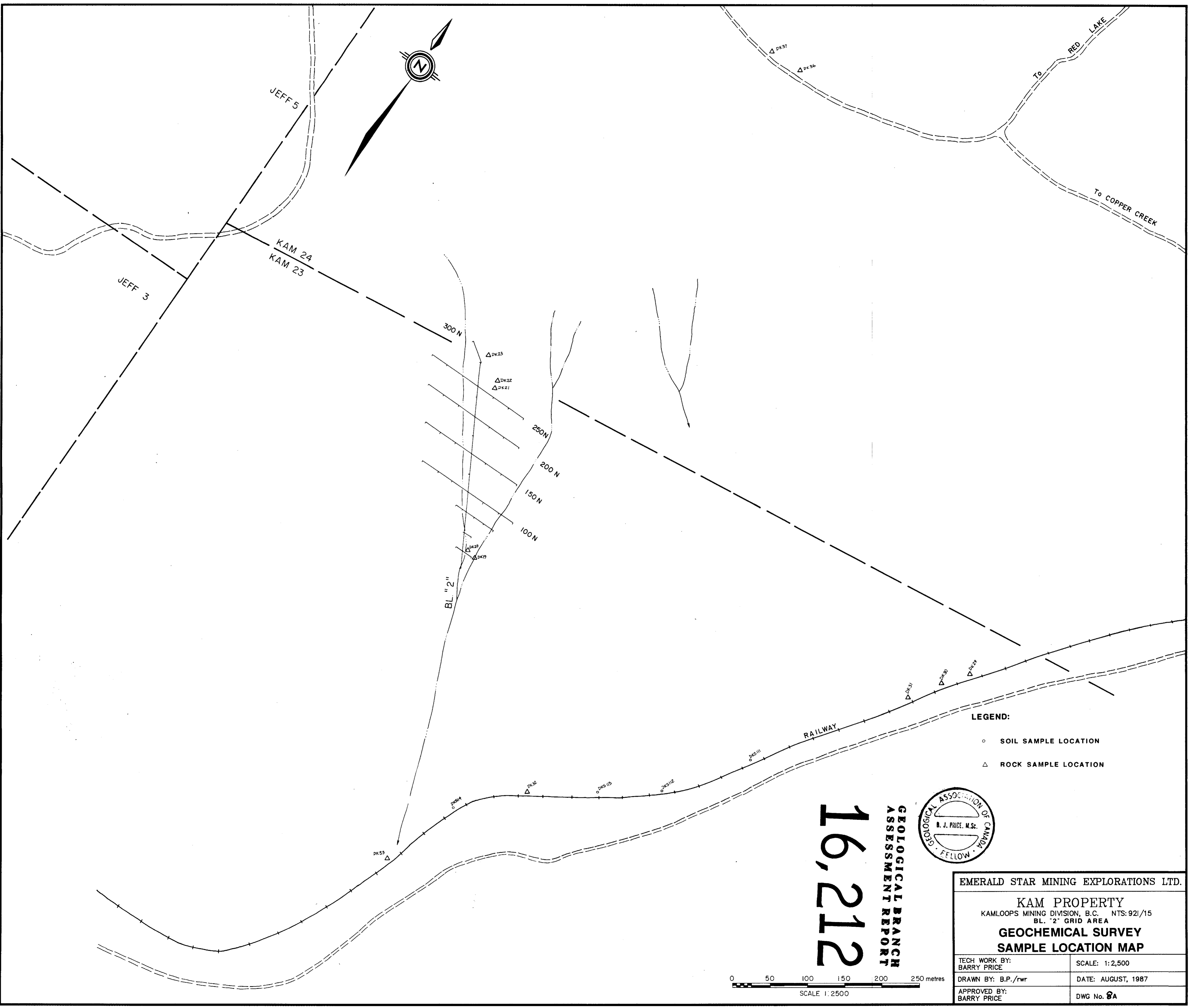


**LEGEND:**

- SOIL SAMPLE LOCATION
- △ ROCK SAMPLE LOCATION
- As, Sb VALUES IN ppm
- - - INDICATES VALUE < DETECTION LIMIT



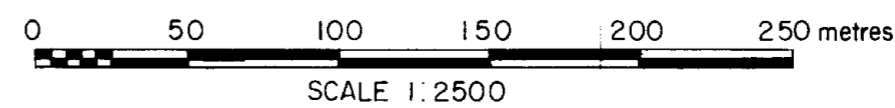
<b>EMERALD STAR MINING EXPLORATIONS LTD.</b>	
<b>KAM PROPERTY</b>	
KAMLOOPS MINING DIVISION, B.C. NTS:92/15	
BL. 0, 1 & 3 GRID AREA	
<b>GEOCHEMICAL SURVEY</b>	
<b>As, Sb RESULTS</b>	
TECHNICAL WORK BY: BARRY PRICE	SCALE 1:2500
DRAWN BY: B.P./awr	DATE: AUG., 1987
APPROVED BY: B.PRICE	DRAWING NUMBER: 7C
Prepared by: RMR MINERAL GRAPHICS LTD.	



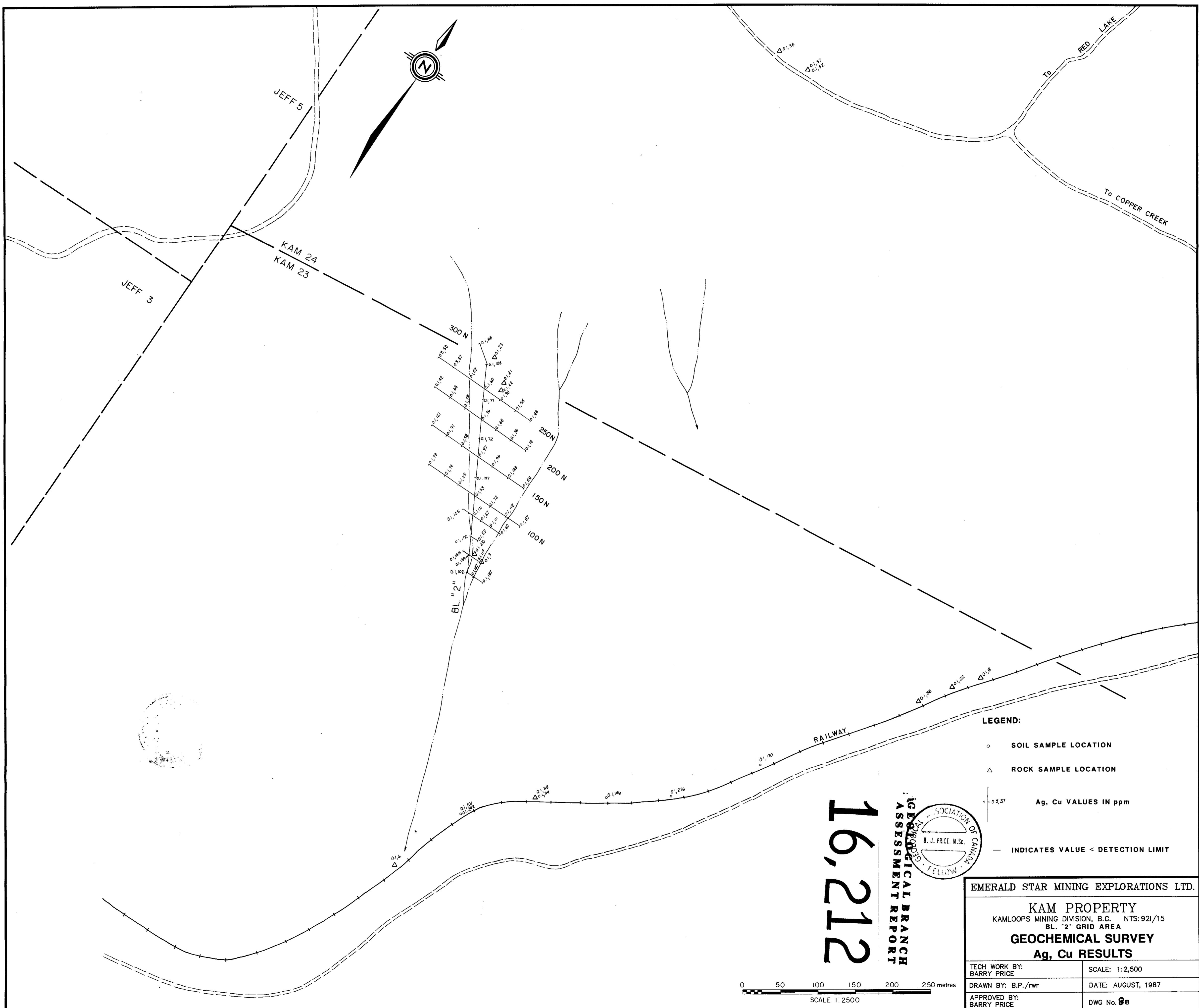
- LEGEND:**
- SOIL SAMPLE LOCATION
  - △ ROCK SAMPLE LOCATION



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 GEOLOGICAL BRANCH  
 ASSESSMENT REPORT



EMERALD STAR MINING EXPLORATIONS LTD.	
<b>KAM PROPERTY</b> KAMLOOPS MINING DIVISION, B.C. NTS: 921/15 BL. "2" GRID AREA	
<b>GEOCHEMICAL SURVEY</b> <b>SAMPLE LOCATION MAP</b>	
TECH WORK BY: BARRY PRICE	SCALE: 1:2,500
DRAWN BY: B.P./rwr	DATE: AUGUST, 1987
APPROVED BY: BARRY PRICE	DWG No. 8A

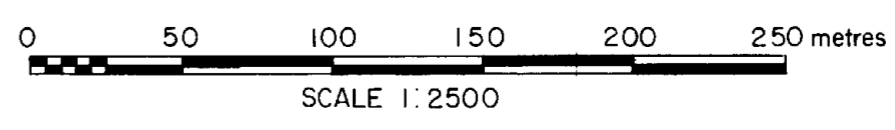


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GEOLOGICAL BRANCH  
 ASSESSMENT REPORT  
 B. J. PRICE, M.Sc.  
 FELLOW

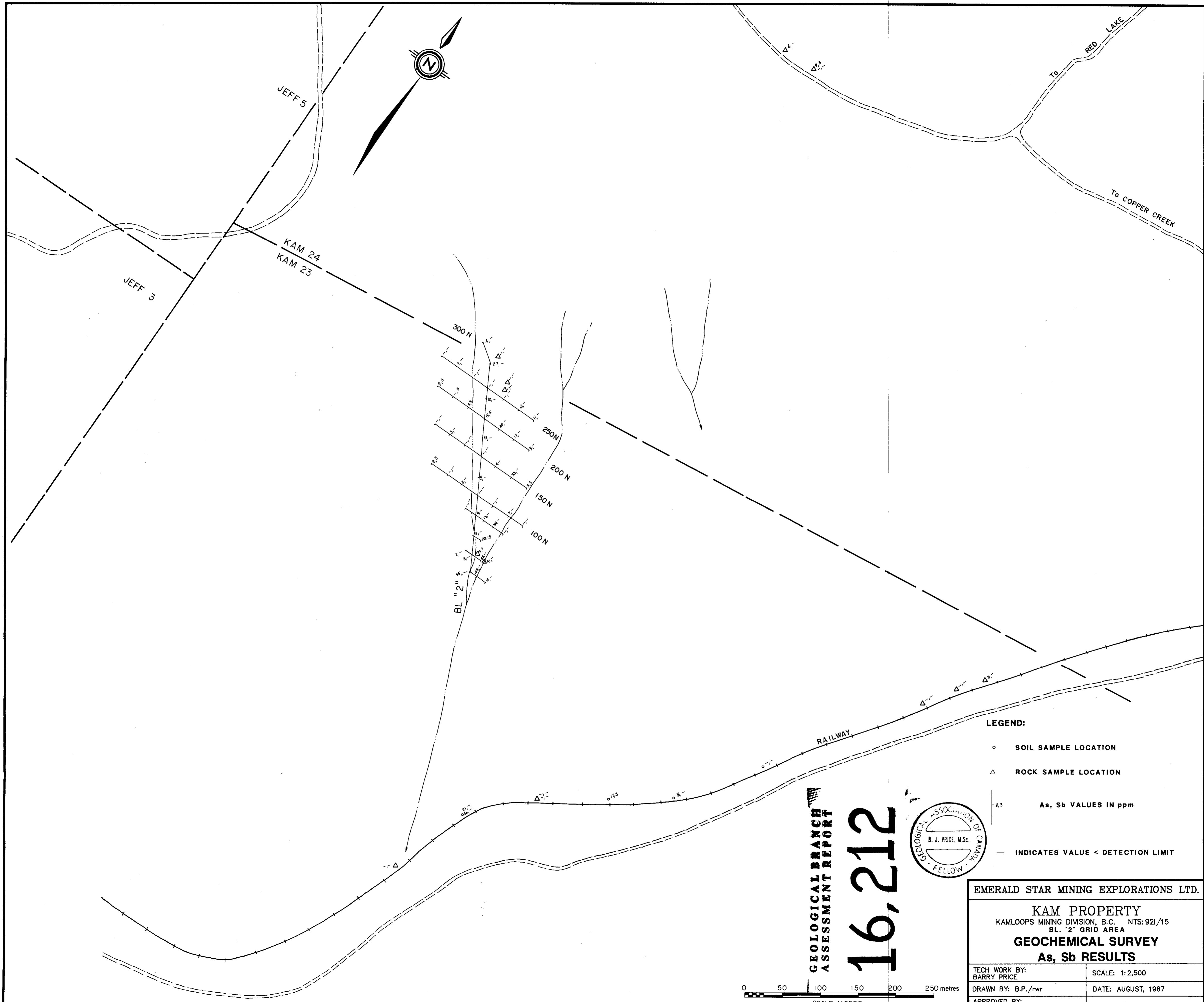


- LEGEND:**
- SOIL SAMPLE LOCATION
  - △ ROCK SAMPLE LOCATION
  - 0.5,37 Ag, Cu VALUES IN ppm
  - INDICATES VALUE < DETECTION LIMIT



EMERALD STAR MINING EXPLORATIONS LTD.	
<b>KAM PROPERTY</b> KAMLOOPS MINING DIVISION, B.C. NTS: 921/15 BL. "2" GRID AREA <b>GEOCHEMICAL SURVEY</b> <b>Ag, Cu RESULTS</b>	
TECH WORK BY: BARRY PRICE	SCALE: 1:2,500
DRAWN BY: B.P./rwr	DATE: AUGUST, 1987
APPROVED BY: BARRY PRICE	DWG No. 8B





**LEGEND:**

- SOIL SAMPLE LOCATION
- △ ROCK SAMPLE LOCATION
- 8.3 As, Sb VALUES IN ppm
- INDICATES VALUE < DETECTION LIMIT

**GEOLOGICAL BRANCH ASSESSMENT REPORT**

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0 50 100 150 200 250 metres  
SCALE 1:2500

EMERALD STAR MINING EXPLORATIONS LTD.	
<b>KAM PROPERTY</b> KAMLOOPS MINING DIVISION, B.C. NTS: 921/15 BL. '2' GRID AREA	
<b>GEOCHEMICAL SURVEY</b> <b>As, Sb RESULTS</b>	
TECH WORK BY: BARRY PRICE	SCALE: 1:2,500
DRAWN BY: B.P./rwr	DATE: AUGUST, 1987
APPROVED BY: BARRY PRICE	DWG No. 8C