Geological, Geochemical and Geophysical Report

- on the -

Kutcho Property
(Kutcho 1-39 Mineral Claims)

Liard Mining Division, British Columbia

104 I/1W,2E

by:

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December 28, 1996

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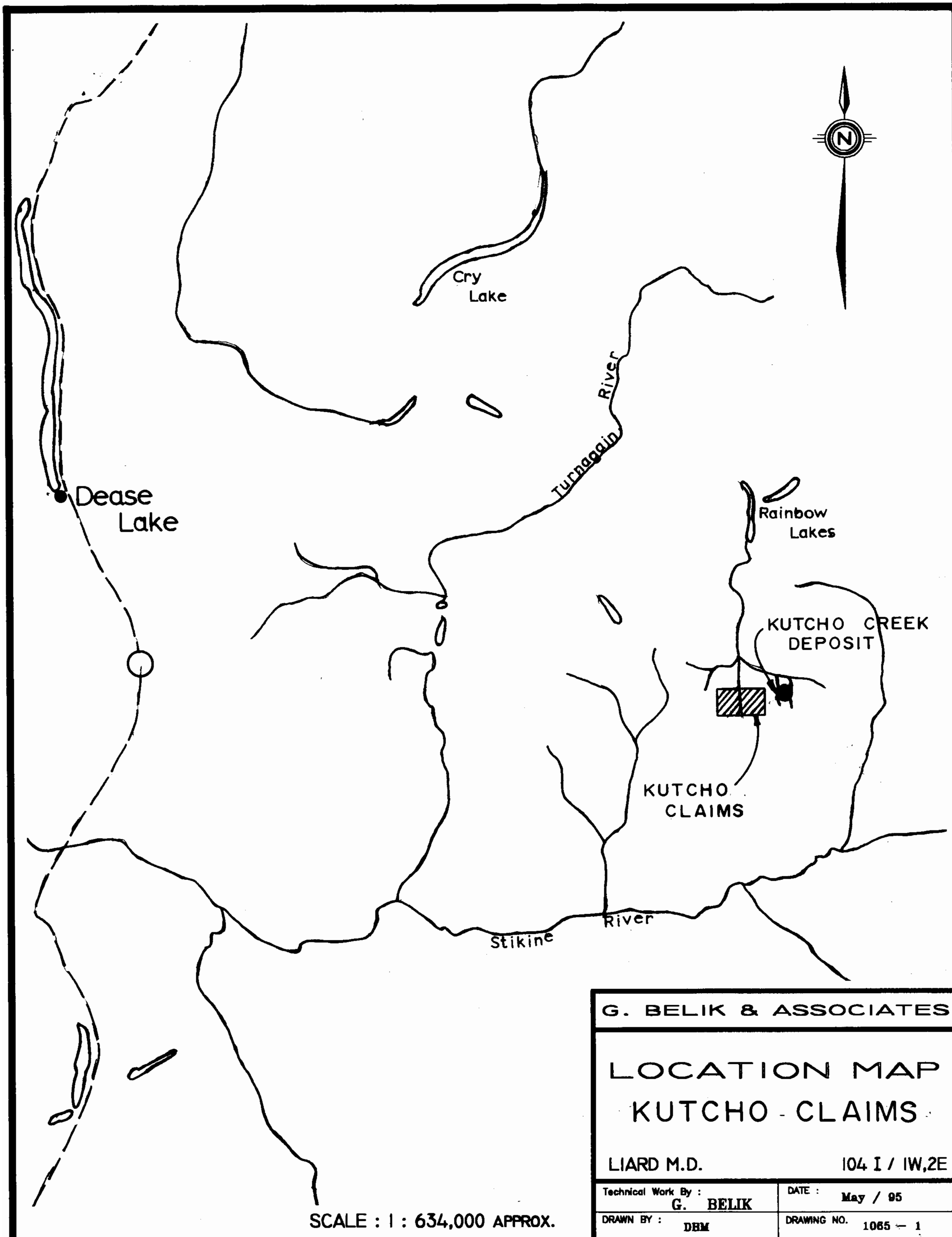


G. BELIK & ASSOCIATES

LOCATION MAP
KUTCHO CLAIMS

LIARD M.D. 104 I / IW,2E

Technical Work By : G. BELIK	DATE : May / 95
DRAWN BY : DBM	DRAWING NO. 1065 – 1

INTRODUCTION

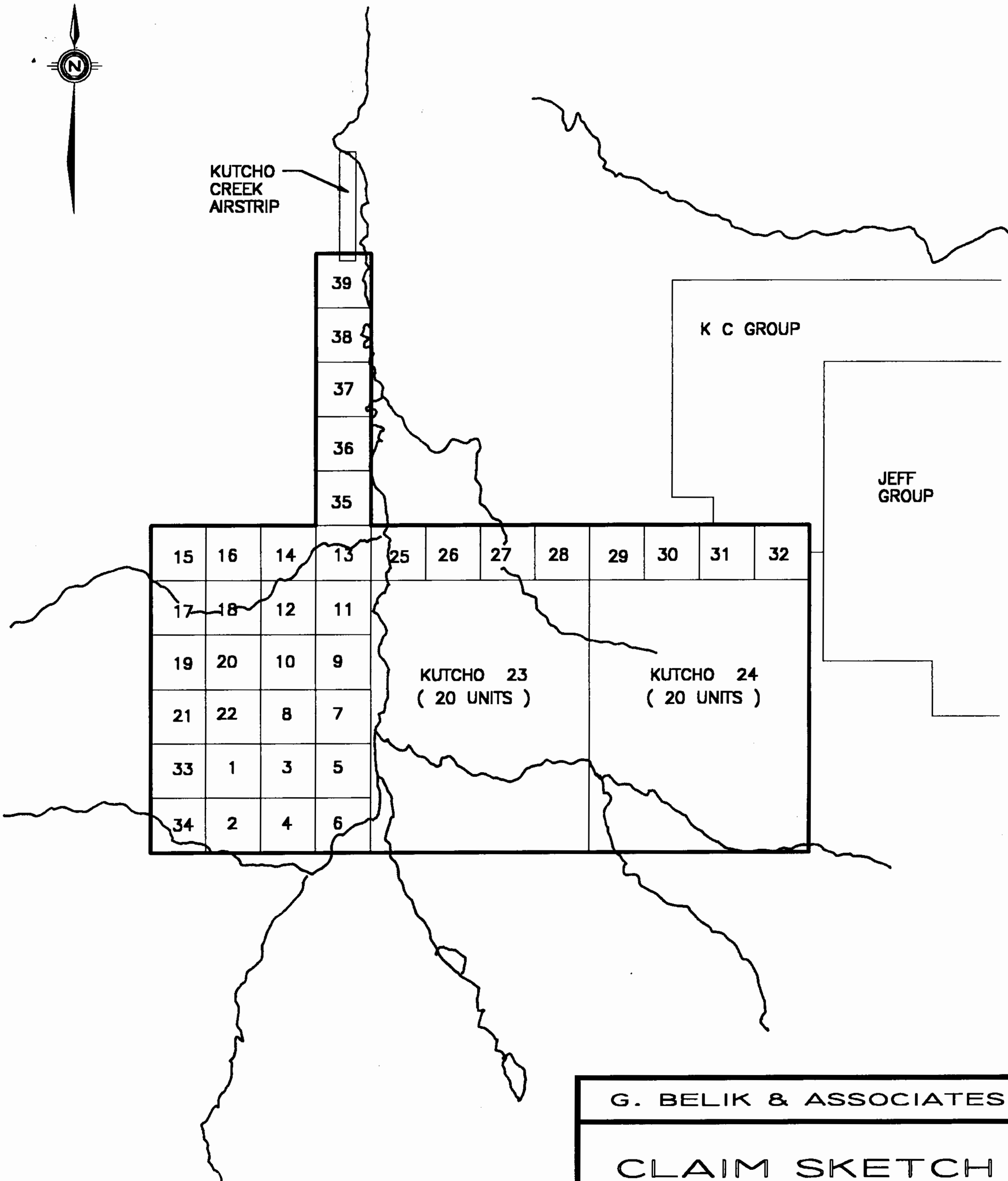
This report summarizes the results of detailed geological mapping, soil sampling, silt sampling and a ground magnetic survey carried out over parts of the Kutcho 1-39 claim area during August 22 to September 10, 1996. The claim area covers a portion of the western segment of a westerly-plunging anticlinal structure that exposes a arc-type sequence of schistose, basic to felsic flows and pyroclastic rocks of Upper Triassic age. About 3 km east of the claim area, the north limb contains a large VMS deposit (Kutcho Creek deposit) which contains a central, higher-grade core (in three main lenses) estimated to contain 6 million tonnes grading 2.38% copper and 4.33% zinc. The deposit is hosted within quartz-sericite schist and coarse felsic pyroclastic rocks are hanging-wall members closely associated with ore.

Within the Kutcho claims, soil geochemistry has delineated several strong soil anomalies, up to 600 metres long, with values ranging up to 4657 ppm Cu, 3286 ppm Zn, 2784 ppm Pb and 10.2 ppm Ag. A large, poorly exposed, siliceous exhalite horizon with bands of semimassive to massive sulphide is associated with one of the main soil anomalies. A 2-metre deep soil profile pit within this area exposed bedrock grading 0.33% Cu, 0.11% Zn, 0.11% Pb and 7.0 ppm Ag. A sequence containing small but high grade massive sulphide lenses with appreciable Au and Ag values is located in another part of the property.

CLAIMS

The property which is the subject of this report is comprised of 77 contiguous claim units. The details of the individual claims are as follows:

Claim	Units	Record No.	Record Date	Expiry Date*
Kutcho 1	1	330916	Sept. 16/94	Sept. 16/2004
2	1	330917	Sept. 16/94	Sept. 16/2004
3	1	330918	Sept. 16/94	Sept. 16/2004
4	1	330919	Sept. 16/94	Sept. 16/2004
5	1	330944	Sept. 16/94	Sept. 16/2004
6	1	330921	Sept. 16/94	Sept. 16/2004
7	1	330922	Sept. 16/94	Sept. 16/2008
8	1	330923	Sept. 16/94	Sept. 16/2008
9	1	347103	June 18/96	June 18/2004
10	1	347104	June 18/96	June 18/2004
11	1	347105	June 18/96	June 18/2004
12	1	347106	June 18/96	June 18/2004
13	1	347107	June 18/96	June 18/2004
14	1	347108	June 18/96	June 18/2004
15	1	347109	June 18/96	June 18/2004
16	1	347110	June 18/96	June 18/2004
17	1	347111	June 19/96	June 19/2004
18	1	347112	June 19/96	June 19/2004
19	1	347113	June 19/96	June 19/2004
20	1	347114	June 19/96	June 19/2004
21	1	347115	June 19/96	June 19/2004
22	1	347116	June 19/96	June 19/2004
23	20	347099	June 19/96	June 19/2002
24	20	347100	June 19/96	June 19/2001
25	1	347117	June 19/96	June 19/2001
26	1	347118	June 19/96	June 19/2001
27	1	347119	June 19/96	June 19/2001
28	1	347120	June 19/96	June 19/2001
29	1	347121	June 19/96	June 19/2001
30	1	347122	June 19/96	June 19/2001
31	1	347123	June 19/96	June 19/2001



SCALE : 1 : 50,000

G. BELIK & ASSOCIATES

CLAIM SKETCH

Kutcho Claims

LIARD M.C. 104 I / IW,2E

Technical Work By : G. D. BELIK	DATE : MAY / 96
DRAWN BY : DBM TECHNICAL SERVICES	DRAWING NO. 1065 - 2

Kutcho	32	1	347124	June 19/96	June 19/2001
	33	1	350720	Sept. 09/96	Sept. 09/2004
	34	1	350719	Sept. 09/96	Sept. 09/2004
	35	1	350721	Sept. 10/96	Sept. 10/2000
	36	1	350722	Sept. 10/96	Sept. 10/2000
	37	1	350723	Sept. 10/96	Sept. 10/2000
	38	1	350724	Sept. 10/96	Sept. 10/2000
	39	1	350725	Sept. 10/96	Sept. 10/2000
	Total	77			

*Expiry date is based on submission and acceptance of this report for assessment credit.

The registered owner of the Kutcho 1-8 claims is Gary D. Belik, 1815 North River Drive, Kamloops, B. C. The remainder of the claims are held by Atna Resources Limited, #1550 - 409 Granville Street, Vancouver, B. C. All of the claims are subject to an option agreement between Belik and Atna whereby Atna has the right to earn, subject to certain conditions, a 100% interest in the property.

LOCATION AND ACCESS

The Kutcho claims are located within the Cry Lake Map-Area, northwestern B. C., approximately 23 km south of Rainbow Lakes. The geographic center of the claim area is at 58°11' north latitude, 128°30' west longitude. Dease Lake, the closest settlement, is located about 100 km to the west.

The most convenient means of access to the area is by helicopter from Dease Lake or by fixed-wing aircraft to the Kutcho

Creek airstrip which is located near the northern edge of the property.

Rough 4X4 road access is available from Dease Lake to the Kutcho Creek airstrip which apparently is extensively used by jade and placer gold miners during the summer season.

For the 1996 program, a camp was moved by fixed-wing to the Kutcho airstrip and then by helicopter to a site located in the southcentral part of the claim area.

PHYSIOGRAPHY

The Kutcho claims occur on the south flank of the Cassiar Mountains within an area characterized by abundant scenic alpine and numerous lakes, streams and rivers. Relief over most of the claim area is gentle to moderate with elevations ranging from less than 1300 metres along Kutcho Creek to approximately 1800 metres in the northeast corner of the claim area.

Vegetation at lower elevations consists of thin to very thick, tangled growths of stunted spruce and balsam interspersed with open, buckbrush-covered areas which give way to open alpine areas above 1500 metres.

REGIONAL GEOLOGICAL SETTING

The Kutcho claims are located in the King Salmon Allochthon, a west-to northwest-trending thrust wedge, about 100 km long and up to 15 km wide, of Upper Triassic to Lower Jurassic arc-type volcanics and sediments. Volcanics include felsic to basic varieties with local thick accumulations of coarse pyroclastic units. A general Table of Formations, within the allochthon modified from G.S.C. Open File 610, is as follows:

LOWER JURASSIC

Inklin Formation: greywacke, phyllitic slate, conglomerate

UPPER TRIASSIC AND LOWER JURASSIC

Feldspar porphyry; agglomerate, breccia, tuff in part maroon weathering

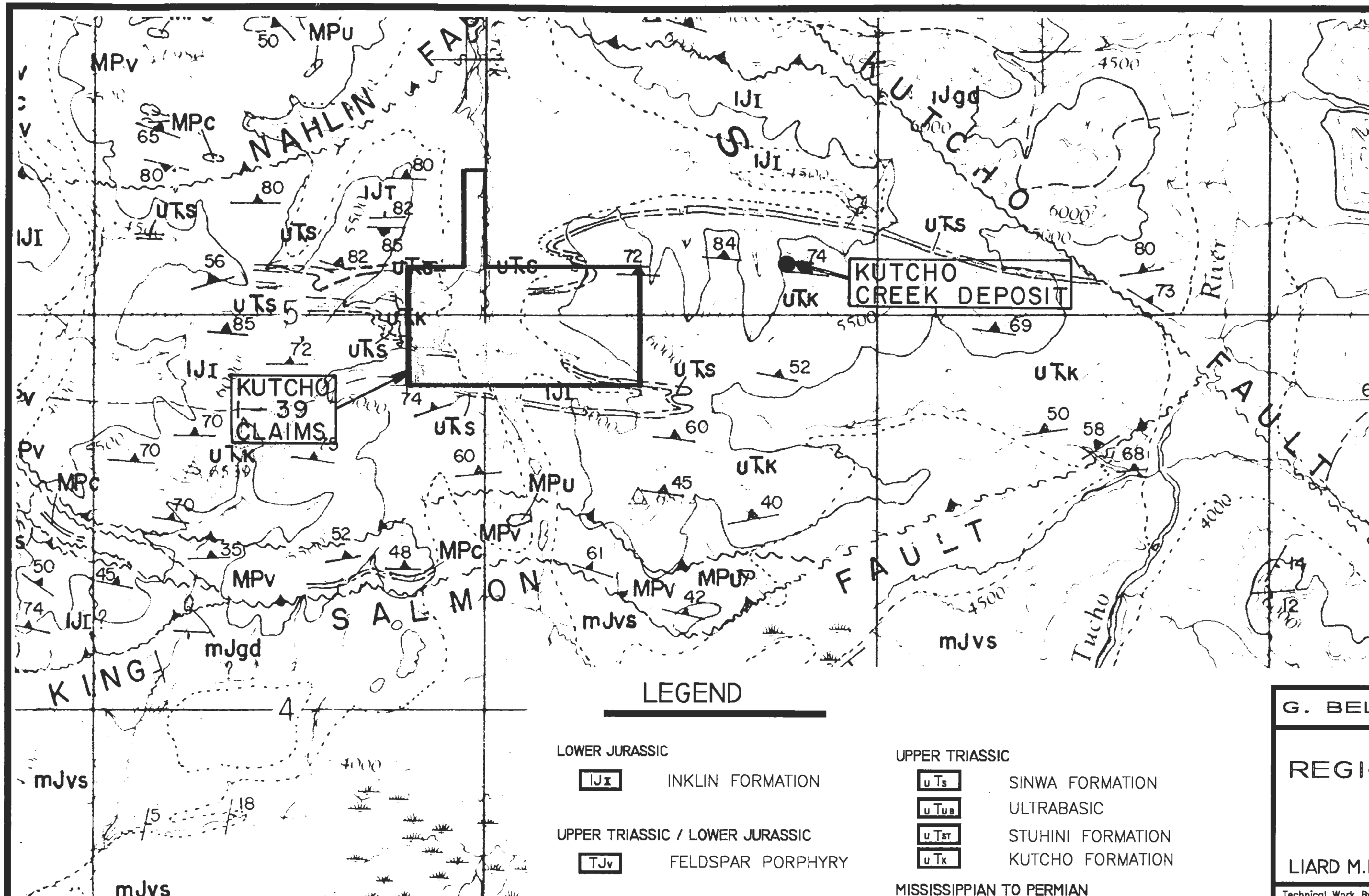
UPPER TRIASSIC

Sinwa Formation: limestone, commonly argillaceous and fetid

Stuhini Formation: augite and coarse-bladed plagioclase porphyry breccia and flows; local basal conglomerate, siltstone, greywacke

Kutcho Formation: andesitic, dacitic and rhyolitic flows and related breccias; basalt; intermediate to acidic pyroclastics; conglomerate, greywacke, carbonaceous to graphitic phyllite, chert and limestone; local massive sulphides, iron formation and cherty exhalite

The sequence has been folded and most units display a well-developed, penetrative, axial plane foliation. Several large-scale folds are outlined by the trace of Sinwa limestone.



LEGEND

LOWER JURASSIC

lJI	INKLIN FORMATION

UPPER TRIASSIC / LOWER JURASSIC

TJv	FELDSPAR PORPHYRY

UPPER TRIASSIC

uTs	SINWA FORMATION
uTub	ULTRABASIC
uTst	STUHINI FORMATION
uTk	KUTCHO FORMATION

MISSISSIPPIAN TO PERMIAN

MP	CACHE CREEK GROUP

G. BELIK & ASSOCIATES

REGIONAL GEOLOGY

O.F. 610

LIARD M.D. 104 I / IW,2E

Technical Work By : G. BELIK	DATE : June / 95
DRAWN BY : DBM	DRAWING NO. 1065 - 3

The Kutcho Formation is considerably thicker in the eastern part of the allochthon, where the Kutcho Creek deposit is situated, which is due in part to primary deposition but also due to stratigraphic repetition by folding and faulting.

The Kutcho Creek deposit is a classic VMS-type deposit hosted within felsic members of the Kutcho Formation. The deposit is located about 3 km east of the northeast boundary of the Kutcho claim area along the north limb of a major east-west anticlinorium that extends westerly through the Kutcho claim area exposing a similar stratigraphic sequence. The salient features of the deposit are as follows:

1. The deposit is mainly composed of disseminated to massive compact pyrite, chalcopyrite and sphalerite with some bornite in a siliceous matrix.

2. The deposit is tabular to lenticular with an average east-west strike and fairly uniform northerly dip. The main massive sulphide zone, which contains three main massive sulphide lenses, has a strike length of more than 1000 metres and an average thickness in the order of 20 metres.

3. Massive sulphides grades laterally into a zone of disseminated pyrite which is recognizable over a strike length of 8 km.

4. The deposit is associated with products of acid volcanism; quartz-sericite schist is host to massive sulphide miner-

alization and coarse pyroclastic rocks ('quartz-eye' lapilli tuff, agglomerate etc.) are hanging-wall units closely associated with ore.

5. The footwall is characterized by a zone of disseminated sulphide (deformed stringer zone?) and the hanging-wall, locally, by a thin altered carbonate unit.

EXPLORATION HISTORY

The area covered by the Kutcho 1-22, 33 & 34 claims was formerly held by Noranda Exploration Company Limited. Noranda staked the ground in 1976 shortly after the discovery by Sumac and Imperial Oil of the nearby Kutcho Creek VMS deposit.

Between 1976 and 1980 Noranda carried out geological, geochemical and geophysical surveys and drilled three core holes totalling 229 metres. One hole was drilled near the boundary between the Kutcho 7 and 8 claims. The other two holes were drilled west of the present Kutcho claim area.

The following table summarizes the exploration work carried out by Noranda up to 1980:

Year	Work
1976	Line Cutting Geological Mapping Soil Survey CEM Survey

	Vertical Loop E.M. Partial I.P. Survey Airborne VLF/Mag
1977	Extension of the Grid to the South Additional Mapping, CEM, I.P., Soil Sampling Diamond Drilling (3 holes)
1980	Follow-up Mapping Petrographic Studies

Between 1984 and 1986, Noranda completed one line of Pulse E.M., a second airborne magnetic survey and carried out follow-up analyses for Au,Ag and As on previously collected soil samples. No further work was recorded and all of Noranda's claims in the area have lapsed.

The Kutcho 23-32 claims cover parts of the former Py 66-69, Kris and Phil 2 & 3 claims that lapsed in 1995. The claims were initially held by Imperial Oil and subsequently by Homestake Mining and American Fibre as part of an extensive claim package that included the Kutcho Creek Deposit. A search of the assessment records indicates that the following exploration work was carried out within the area now covered by the Kutcho 23-32 claims.

Year	Work
1974	Imperial Oil -Drill Hole Kris C-1
1975	Imperial Oil -Turam Survey; approximately 40 line-kms covering the Kutcho 29-32 claims and most of the Kutcho 24 claim area

1976	Imperial Oil -Drill Hole #52
1977	Imperial Oil -Drill Hole #59

The Turam survey located two E-W trending conductive zones about 500 metres apart, both open to the west. The west end of the north conductor was tested by drill hole #52 which intersected graphitic argillite; the south conductor does not appear to have been tested by drilling. Hole C-1, which was drilled near the boundary between the Kutcho 20 and 26 claims, intersected chloritic schists and cherty argillite. Hole #59, located near the southeast corner of the Kutcho 24 claim, reportedly intersected massive rhyolite and pyritic (5%-15%), fragmental, quartz-carbonate-sercite schist at a depth of 120.4 metres to the bottom of the hole at 153.9 metres.

1994 PROGRAM

The Kutcho 1-8 claims were staked on September 10, 1994 to cover favourable ground that became available with the expiry of the Py 71 mineral claim. Former coarse soil sampling carried out by Noranda in this area (200 m line-spacing, 50 m stations) defined several multi-station/multi-line, strong Cu/Zn anomalies within a region characterized by uniformly low, background values. An Induced Polorization survey carried out by Noranda showed a strong linear response, coincident with the main soil anomaly area. Noranda tested this target with a single drill hole (NK-3) in 1977 with negative results but this hole appears to have been drilled short of the primary target.

Concurrent with the staking of the Kutcho 1-8 claims, a preliminary exploration program, consisting of 5.2 km of grid preparation, infill soil sampling and detailed geological mapping, was carried out (G. Belik, 1994) over the main target area in order to define the interrelationships between the I.P., geochemical anomalies and key geological features. Mapping within the 1994 grid area established the presence in this area of the eastern flank of a prominent felsic dome composed of stacked layers of porphyritic rhyolite, quartz-feldspar crystal and lapilli tuff, felsic lapilli tuff with coarse volcanic fragments and andesitic to basaltic flows, tuff and agglomerate, with intercalated lenses of iron chert. The zone is capped by a zone of hyaloclastite breccia and flanked by a thick wedge (+30 metres) of pyritic, cherty exhalite. The dome contains semi concordant zones of strong hydrothermal alteration with variable amounts of disseminated pyrite ± chalcopyrite.

The cherty exhalite and altered volcanics are associated with a strong Cu/Zn soil anomaly and correlate very well with a strong I.P. anomaly previously identified by Noranda. Two angular float boulders of semi-massive pyrite with streaks and blebs of chalcopyrite, magnetite and sphalerite were located in close proximity to the exhalite unit.

Noranda's drill hole 77NK-3 was collared about 125 metres north of the felsic domal sequence and drilled to the south at an angle of -50°to a depth of 94.2 metres. Noranda's drill logs indicate that the drill hole intersected basic volcanics over it's entire length and did not reach the exhalite, andesite/rhyolite contact.

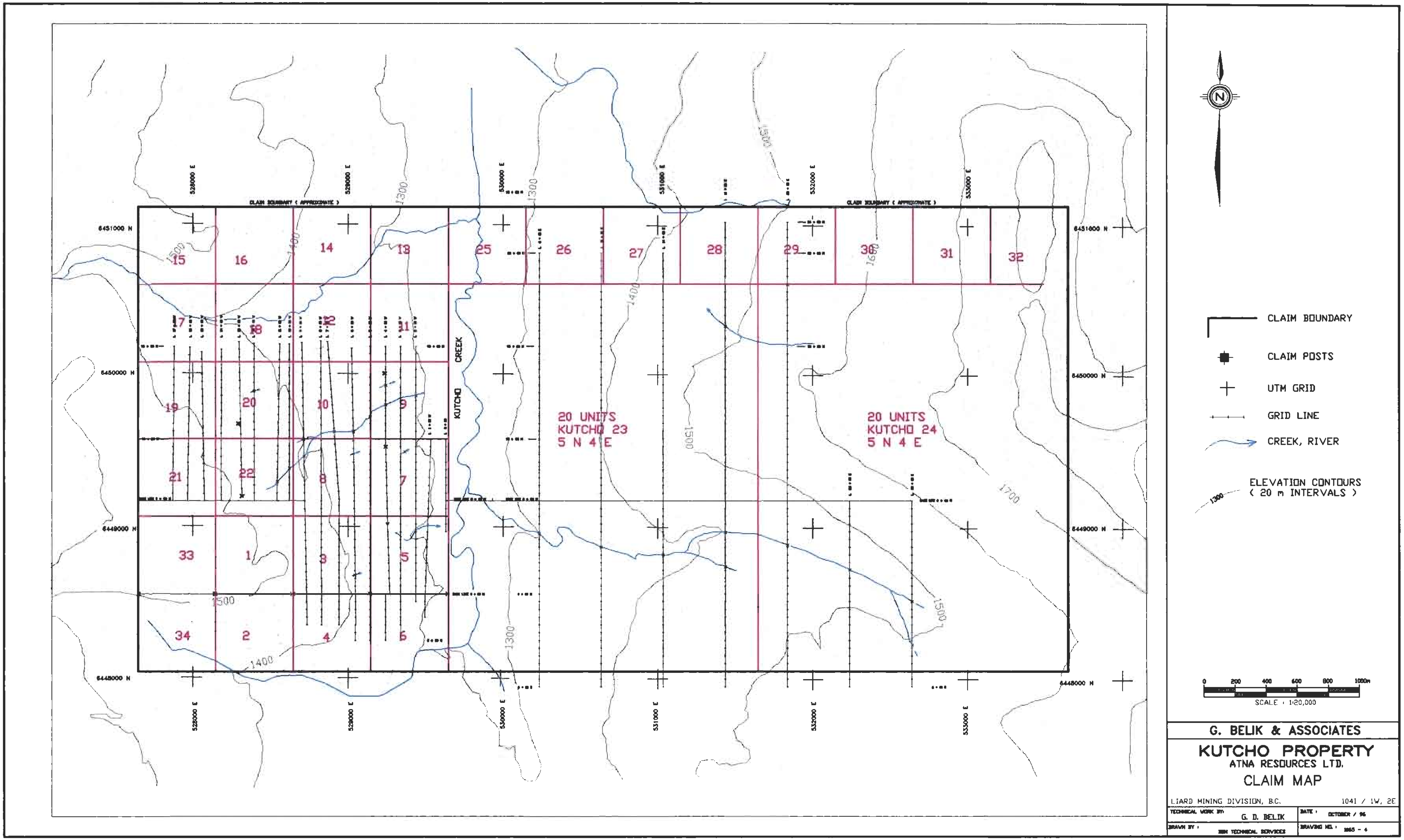
1996 PROGRAM

Based on the favourable results obtained from the initial 1994 program and improved metal prices, the Kutcho claims were optioned by Vancouver-based Atna Resources Limited in June, 1996. Atna staked an additional 69 claim units and financed the 1996 program discussed in this report. The 1996 program was a follow up of the work initiated in 1994 and consisted of detailed geological mapping along 40 kms of newly constructed grid, prospecting, soil sampling (745 samples), silt sampling (27 samples) and 23.8 line-kms of ground magnetics. The program was carried out by a three-man crew (including the writer) from August 22 to September 10.

GRID PREPARATION

Figure 1065-4 shows a plot of the grid lines and claim boundaries at a scale of 1:20,000. Essentially, two grids have been constructed, an east grid and a west grid, which are tied together by the 6+00 North base line. The west grid occurs west of Kutcho Creek and is an expansion of the 1994 grid (lines 0 to 5+00 W; 0+00 N to 10+00N). Noranda's old cut lines were utilized where possible which helped pinpoint the location of previously identified geochemical/geophysical anomalies. For the 1994 and 1996 surveys, the Kutcho 1-6 claim line, which follows Noranda's old cut tie line 84 N, was utilized as the 0+00 North base line. A 6+00 North base line was flagged in west of line 9+00 West and was used for control during the construction of lines 10+00 West to 17+00 West. Noranda grid lines 92E, 94E, 96E, 98E, 100E, 102E, 104E, 106E and 108E were reflagged as lines 16+00 W, 14+00 W, 12+00 W, 10+00 W, 8+00 W, 6+00 W, 4+00 W, 2+00 W and 0+00 respectively and intermediate lines were placed at 17+00 W to 1+00 W which provided grid coverage in the west area at a line spacing of 100 metres. Stations were placed along each line at 50 metre intervals. In total 26.4 kms of grid was either newly constructed or refurbished in the west grid area during 1996.

The east grid consists of a 3.0 km base line (6+00 North)


CLAIM BOUNDARY (APPROXIMATE)
15
16
14
13
25
26
27
28
29
30
31
32
17
18
12
11
19
20
10
9
21
22
8
7
33
1
3
5
34
2
4
6
KUTCHO CREEK
20 UNITS
KUTCHO 23
5 N 4 E
20 UNITS
KUTCHO 24
5 N 4 E
528000 E
529000 E
530000 E
531000 E
532000 E
533000 E
6451000 N
6450000 N
6449000 N
6448000 N
1300
1400
1500
1600
1700
N
CLAIM BOUNDARY
CLAIM POSTS
UTM GRID
GRID LINE
CREEK, RIVER
ELEVATION CONTOURS
(20 m INTERVALS)
0
200
400
600
800
1000m
SCALE : 1:20,000
G. BELIK & ASSOCIATES
KUTCHO PROPERTY
ATNA RESOURCES LTD.
CLAIM MAP
LIARD MINING DIVISION, B.C.
104I / 1W, 2E
TECHNICAL WORK BY: G. D. BELIK
DATE: OCTOBER / 96
DRAWN BY:
DRAWING NO.: 1865 - 4

and 7 north-south cross-lines, spaced at 400 metre intervals, that total an additional 16.8 kms. The east grid was constructed to provide broad, first pass coverage over the forested, largely overburden-covered lower slopes east of Kutcho Creek. Very little exploration work appears to have been done in this area in the past even though the ground was held by Imperial Oil and successor companies for more than 20 years.

MAPPING PROCEDURE

The results of the mapping program are presented in plan maps 1065-5W (West Grid) and 1065-5E (East Grid) at a scale of 1:5,000. Outcrop mapping was carried out along all grid lines and between grid lines within specific areas of interest. To complement field observations and for better definition and comparison of rock units and alteration, type specimens were collected from most outcrops for cross reference. Back in Kamloops, all specimens, some 108 in total, were cut with a rock saw and examined in detail.

PROPERTY GEOLOGY

West Grid

Within the west grid area, weakly deformed to strongly deformed (schistose) felsic to basic volcanics, intrusive sills and sediments of the Kutcho Formation outcrop along the north and south flanks of an easterly-trending faulted syncline that extends across the southern part of the map area. Sinwa limestone (Unit 5) and fine clastic sedimentary rocks of the Inklin Formation (Units 6a, 6b) are exposed in the core of the syncline and conformably overlie the Kutcho Formation.

Units of the Kutcho Formation exposed along the south limb of the syncline consist of a lower andesitic to basaltic, flow-pyroclastic sequence which is overlain by a interbedded sequence of dacite, rhyolite and andesite tuffs, about 60 metres thick, that is in turn overlain by an upper rhyolitic pyroclastic unit 50 to 75 metres thick.

The Kutcho Formation exposed along the north limb of the syncline consists of a thick, complex section of predominantly felsic volcanic rocks with interbeds of dacite, andesite, basalt and minor sediments. The most prominent feature is a thick, rhyolite porphyry, flow/dome sequence (Unit 3a); a central, fairly massive section, about 400 metres thick, centred between lines 6+00 W and 12+00 W, thins fairly rapidly to the west and grades easterly into a series of porphyritic rhyolite flows interlayered with felsic pyroclastics and andesitic to basaltic flows, tuff and agglomerate.

On a larger scale, the west grid occurs on the south flank of a large, westerly-plunging anticline, the axis of which occurs just north of the west grid area. The Kutcho Formation, in the core of the anticline, plunges beneath Sinwa limestone and black clastics of the Inklin Formation along a fold closure located about 2 kms west of the Kutcho claim area. Although outside the map-area, the Kutcho Formation in the north limb of the anticline, north of the west grid area, was briefly examined and appears to consist of predominantly medium-to coarse-grained felsic pyroclastics with some sections containing abundant, large quartz eyes. The pyroclastics are overlain by a thick, felsic conglomerate(?) unit that is conformably overlain by Sinwa limestone. The conglomerate-Sinwa limestone beds form a continuous marker horizon that is traceable along the north limb of the anticline for more than 20 kms.

East Grid

Lower slopes in the east grid area, below 1500 m elevation, are covered by thick brush and by extensive overburden with very little bedrock exposed. Above 1540 metres alpine areas prevail and outcrop generally is very abundant.

The axial trace of the anticline noted in the west grid area extends through the east grid area at about 12+00 N and the south synclinal axis extends ESE through the grid area between 0+00 N and 3+00 N (Fig. 1065-4B). The anticline exposes a thick section of the Kutcho Formation in both limbs.

The core is underlain by andesitic to basaltic volcanics and dacitic tuff with interbeds of grey chert and fine-grained phyllitic sediment. The south limb appears to contain three separate rhyolite horizons separated by basic volcanic flows and coarse-grained pyroclastics. The lower (earliest) rhyolite horizon consists of massive quartz-feldspar porphyry (probable flows) interlayered with and flanked on the east by felsic tuffs. The sequence appears to lense-out and become finer grained to the west. To the east, the unit extends at least 1.5 km beyond line 22+00 E. About 1.0 km east of line 22+00 E the unit grades laterally into fine-grained tuffs with narrow interbeds of grey, pyritic, cherty exhalite.

The upper two rhyolite horizons appear to be extensions of the rhyolite flow/dome complex mapped in the west grid area. Exposures examined consist of white to pale green rhyolite porphyry (Unit 3a), with abundant quartz eyes in a highly siliceous, fine-grained to aphanitic matrix.

The Kutcho Formation exposed in the north limb of the anticline consists of andesitic flows and felsic pyroclastics with abundant chert interbeds as well as thick sections of black slate, greywacke, siliceous wacke and grit. The sequence is capped by a thick, strongly deformed, polymictic conglomerate which is conformably overlain by Sinwa limestone (outcrops just north of the claim boundary). Three main felsic pyroclastic horizons were identified which contain chert and clastic sedimentary interbeds. These felsics probably represent lateral basinal facies of the three rhyolite flow/dome horizons mapped in the south limb of the anticline.

The presence of abundant clastic sediments and chert suggest that the Kutcho Formation in the north limb of the anticline was deposited in a deep basinal area. Exposures in the south limb indicate that this basin was bounded on the south by a volcanic arc-like zone that contained numerous staked domal features. Late stage uplift and emergence of the volcanic arc resulted in rapid erosion of highland areas and deposition of the extensive grit-conglomerate units into the basinal areas.

Lithological Descriptions

Kutcho Formation

Felsic Volcanic Rocks

Felsic volcanic rocks have been subdivided into six units. One unit is composed of resistant, fairly uniform, rhyolitic, quartz-feldspar porphyry that most likely represents flows and/or flow domes. One unit is a possible hydrothermal breccia. Four units are felsic pyroclastic members that are differentiated primarily on the basis of grain size. Most felsic units contain abundant quartz eyes.

Unit 3a

Unit 3a is a weakly foliated, porphyritic rhyolite that contains 10% to 30% quartz phenocrysts, 0.5 mm to 3 mm in size, in a uniform, pale green to white, highly siliceous, finely-crystalline to aphanitic matrix. Subordinate varieties contain 5% to 50% feldspar phenocrysts. Most exposures contain minor disseminated pyrite. Well-developed flow banding was noted in a few areas.

Unit 3b

Unit 3b consists of coarse lapilli tuff with local bomb-size fragments. Most varieties contain 25% to +60% rounded light grey rhyolite fragments, 2 mm to 4 cm in size and 5% to 20% clear to blue/grey quartz eyes and 5% to 10% feldspar clasts, 1 mm to 4 mm in size, in a light green granular quartz-sericite-feldspar ± chlorite matrix. Most varieties have a well-developed sericitic foliation and commonly display a coarse augen-like texture which is due to the inherent coarse fragmental character of the unit.

Unit 3c

Unit 3c is a white siliceous fragmental rhyolite composed of 60% angular to rounded rhyolite fragments in a fine-grained, light grey quartz matrix with 4%-5% finely disseminated pyrite.

Unit 3d

Unit 3d consists of quartz-feldspar lapilli/crystal tuff. The unit displays a well-developed, knotted, sericitic foliation similar to unit 3b, but with smaller knots. Compositionally, the unit contains 25% to 45% quartz and feldspar clasts up to 5 mm in size, in a fine-to medium-grained granular, quartz-sericite-feldspar matrix. Some varieties contain scattered, rounded, rhyolite lapilli clasts similar to those found in Unit 3b.

Unit 3e

Unit 3e is similar to 3d but is finer grained than unit 3d and lacks volcanic lapilli. Texturally, the unit is strongly foliated with a well-developed, lustrous, sericitic cleavage. The unit contains 30% to 70%, rounded to angular quartz and feldspar fragments, 0.5 mm to 3.0 mm in size, in a pale green, fine-grained matrix which locally displays a faint compositional and/or textural banding.

Unit 3f

Unit 3f is a fine-grained crystal tuff. The unit contains from less than 10% to 30% rounded to angular quartz and feldspar fragments, 0.2 mm to 1.0 mm in size in a pale green, very fine-grained matrix which commonly displays faint compositional and textural banding.

Intermediate Volcanics

Unit 2a

Unit 2a is a uniform, resistant dacite porphyry that is exposed in the northern part of the west grid area between lines 7+00 W and 15+00 W. The unit is medium green and contains 3%-5% small feldspar phenocrysts in a finely crystalline matrix. Some sericite is present along a weakly developed cleavage. The unit does not appear to be a pyroclastic but rather flows or irregular intrusive sills.

Unit 2b

Unit 2b consists of light-to medium-green dacitic crystal tuffs. The tuffs generally are fine-grained and texturally similar to unit 3d. Most varieties contain small scattered quartz eyes.

Basic Volcanic Rocks

Basic volcanic rocks have been subdivided into two main units which include andesitic and basaltic flows, crystal and lapilli tuff (Unit 1a) and coarse lapilli tuff and agglomerate (Unit 1b).

Unit 1a

Mafic flows occur in a number of areas, but due to regional deformation and metamorphism are often difficult to distinguish from finer grained pyroclastic mafic volcanics. Recognizable flows are fine-to medium-grained and locally contain scattered, poorly-preserved amygdules.

Medium to dark green, crystal tuff and lapilli tuff, included in unit 2, are the most abundant basic volcanic rock types in the area mapped. Crystal tuff is fine-to medium-grained with a moderate to well-developed phyllitic cleavage. Plagioclase occurs as shattered, granular clasts, up to 1.5 mm in size, in a dark green, chlorite-feldspar-carbonate-leucoxene ± sericite matrix.

Lapilli tuff contains 20% to 50% rounded to flattened, fine-grained, feldspathic lapilli and somewhat diffuse epidote-rich lapilli, 0.5 mm to 10.0 mm in size in a dark green, granular, choritic matrix.

Unit 1b

Unit 1b consists of coarse lapilli tuff and agglomerate. The agglomerate is composed of more than 80% rounded, mafic fragments 2 cm to 15 cm in size. The lapilli tuff contains 30% to 60% epidote-rich crystalline lapilli, 10 mm to 20 mm in size, in a dark green, fine-to medium-grained, crystal tuff matrix.

Sedimentary Rocks

Sedimentary units form a significant part of the Kutcho Formation in the north part of the east grid area but are minor within other areas mapped.

Unit 4a

Unit 4a is a thick section of polymictic conglomerate that is exposed on the north end of line 22+00 E. The unit contains stretched cobbles, mainly of dacitic composition, in a well foliated gritty matrix.

The conglomerate is a very extensive unit that has been traced for more than 20 kms. To the east, the conglomerate contains a wide variety of fragment types and is interlayered with pebbly grit and sandy slate; the sedimentary character of the unit is quite obvious and generally well preserved. To the west, however, some varieties resemble felsic agglomerate and may be of volcanic origin. These varieties contain 60% to 80% stretched, subangular to well-rounded, cream to white, porphyritic rhyolite bomb-size clasts in a fine-grained felsic matrix similar in composition to the clasts.

Unit 4b

Unit 4b is a lustrous, well-foliated, tan-to buff-colored calcareous felsic tuff. The unit locally contains limestone and thin, light grey, sericitic slate interbeds.

Unit 4c

Dark grey to black, carbonaceous slate, mapped as unit 4c, occurs as a interbed, 15 m to 30 m thick, within a felsic tuff horizon in the northern part of the east grid area. This horizon probably is conductive and appears to have been a EM target that was drill tested by Esso Minerals in 1976 (hole #52).

Unit 4d

Thin beds of grey chert (Unit 4d) were noted in many exposures in the east grid area. Chert occurs between basic volcanic flows and as interbeds and lenses within tuff/clastic sedimentary units.

Unit 4e

Unit 4e consists of phyllitic greywacke, fine-grained green phyllite and siliceous green phyllite which locally contains chert and grey slate interbeds. The unit appears to be in part tuffaceous.

Intrusive Rocks

Unit A

Unit A is a medium-grained quartz diorite (trondhjemite) that occurs as a sill-like mass along the south edge of the west grid area. The unit is weakly to moderately foliated with stronger foliated margins. Compositionally, the unit contains 25% quartz, 60% light green, saussuritized plagioclase, 10%-15% chloritized mafics and minor K-spar.

Unit B

Unit B is a possible synvolcanic felsic dyke. The unit is moderately schistose and contains 25% large plagioclase feldspar phenocrysts and 3%-5% quartz phenocrysts in a uniform, medium-grained, crystalline matrix.

Sinwa and Inklin Formations

Sinwa limestone (Unit 5) and clastic sedimentary rocks of the Inklin Formation (Units 6a, 6b) are exposed in the core of a syncline that extends across the southern parts of both map areas. Unit 6a consists of dark grey to black phyllite and slate with minor limestone interbeds. Unit 6b consists of arenaceous phyllite and siliceous green phyllite. West of the claim area, phyllites and tuffaceous sediments, similar to Unit 6b, form a transitional unit between volcanic rocks of the Kutcho Formation and overlying black slates of the Inklin Formation.

Structure

All units display a penetrative axial plane foliation that is best developed in less competent members. This foliation, which is defined by a strong, often sericitic cleavage and by alignment of stretched clasts, has a westerly to northwesterly strike with near vertical to steep northerly or less commonly, steep southerly dips. Small, subhorizonal, wrinkle lineations are fairly common on sericitic foliation surfaces.

Small scale folds are not abundant within the area mapped but locally are present. These folds are subisoclinal, have axial planes parallel to the main foliation and have fold axis that parallel the wrinkle lineations. Small scale folds display transposition of bedding along the axial plane cleavage.

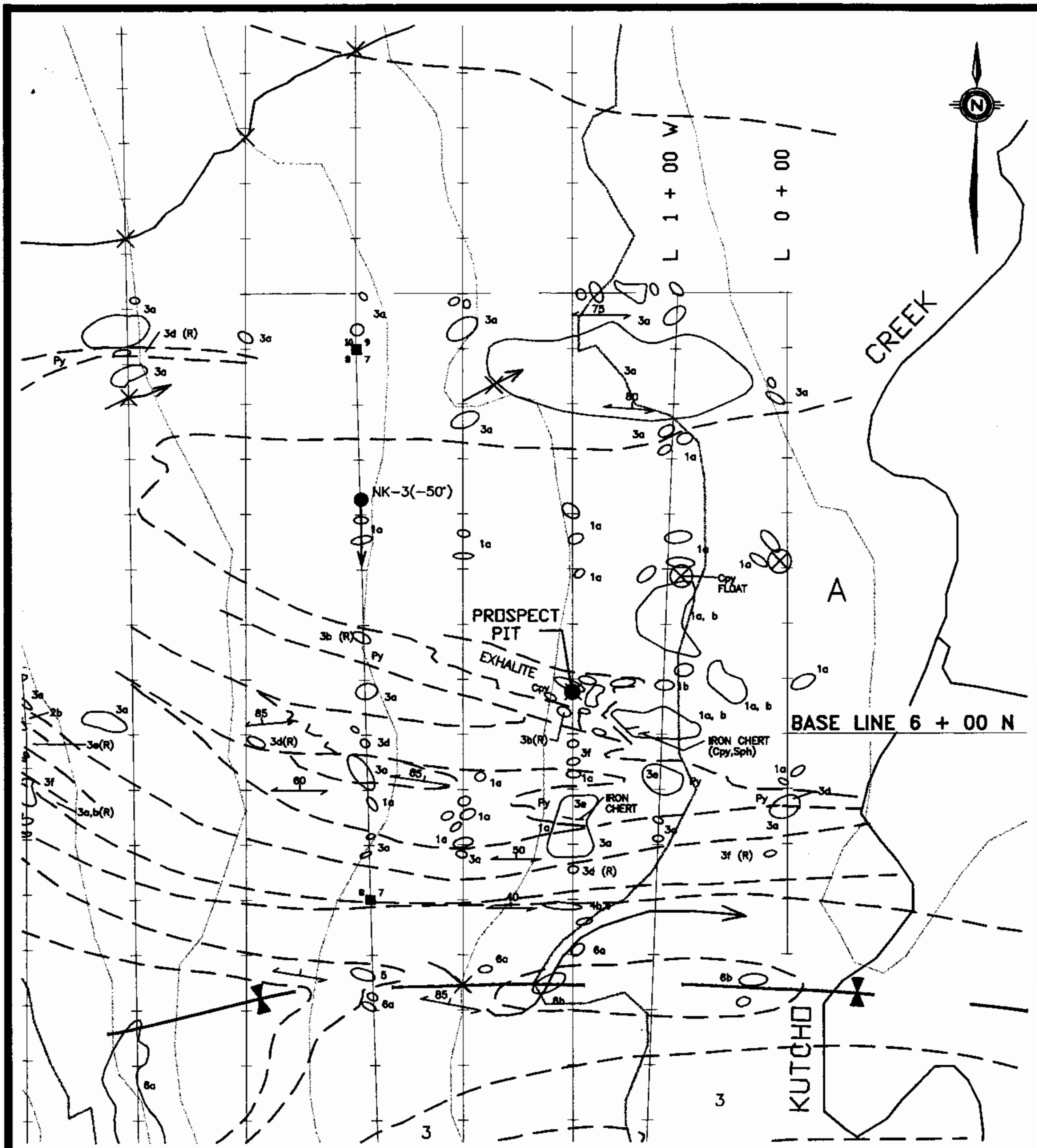
On a regional scale, the claim area straddles a large east-west anticlinorium. The main large-scale identified in the area mapped, however, is a syncline that extends across the southern part of both grid areas. The south syncline occurs along the south side of the anticlinorium and expands to the west into a larger syncline, outlined in part by the Sinwa limestone. The north anticlinorium is interpretated to contain several small folds that may have caused a local thickening or repetition of some units.

Mineralization

Two significant, polymetallic-precious metal, VMS-type showings (Zones 1 and 2) have been identified within the claim area to date. Syngenetic pyrite mineralization, in siliceous exhalite horizons and as disseminations and fracture/vein fillings in deformed stockwork-like zones, has been noted elsewhere in the claim area.

Zone 1

Zone 1 was identified during the 1994 program and is located near the eastern boundary of the west grid area at about 6+00 N. The zone consists of a thick wedge of pyritic cherty exhalite, with lenses of semimassive to massive sulphide, that occurs on the east flank of a large rhyolite flow/dome complex (Figs. 1065-5W, 1065-6). The zone is flanked on the north and east by unaltered, andesitic crystal tuff and structurally overlies hydrothermally altered coarse rhyolite fragmentals. The unit is partly exposed within an area measuring about 80 m X 40 m. Exposures consist of a series of small outcrops and



FOR LEGEND SEE DRAWING 1065 - 5W

G. BELIK & ASSOCIATES

KUTCHO PROPERTY

ZONE 1

SCALE : 1 : 5,000

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en echelon, resistant, siliceous ribs with intervening recessive areas. The westerly extension of the horizon is concealed by overburden, however, the projected westerly extension coincides with a strong, linear chargeability anomaly identified by Noranda that terminates around line 7+00 W.

The resistant, siliceous material that forms most of the exposures in the exhalite zone is light to medium grey, massive to brecciated and locally displays faint bedding. Matrix quartz is very fine-grained with irregular patches of bleached, granular recrystallization. Well-mineralized exhalite contains 10% to 25% very fine-grained, disseminated pyrite that is commonly leached, leaving a limonitic, porous residual material. Some varieties are manganiferous and some contain finely disseminated magnetite.

In 1994, a block of angular float was found on line 2+00 W at 6+35 N, in the central part of the exhalite area, that was found to contain bands of massive to semimassive pyrite with a few chalcopyrite-rich laminations. In 1996, a pit was dug at this location to obtain a soil profile and prospect for more mineralization. The pit, which was about 2.5 metres long and 1.6 metres deep, exposed pyritic (20% ±) highly siliceous, resistant bedrock that geochemically assayed 3282 ppm Cu, 1110 ppm Pb, 1097 ppm Zn, 7.0 ppm Ag and 7 ppb Au. Primary sulphide banding locally is evident that trends 77°/72° NW.

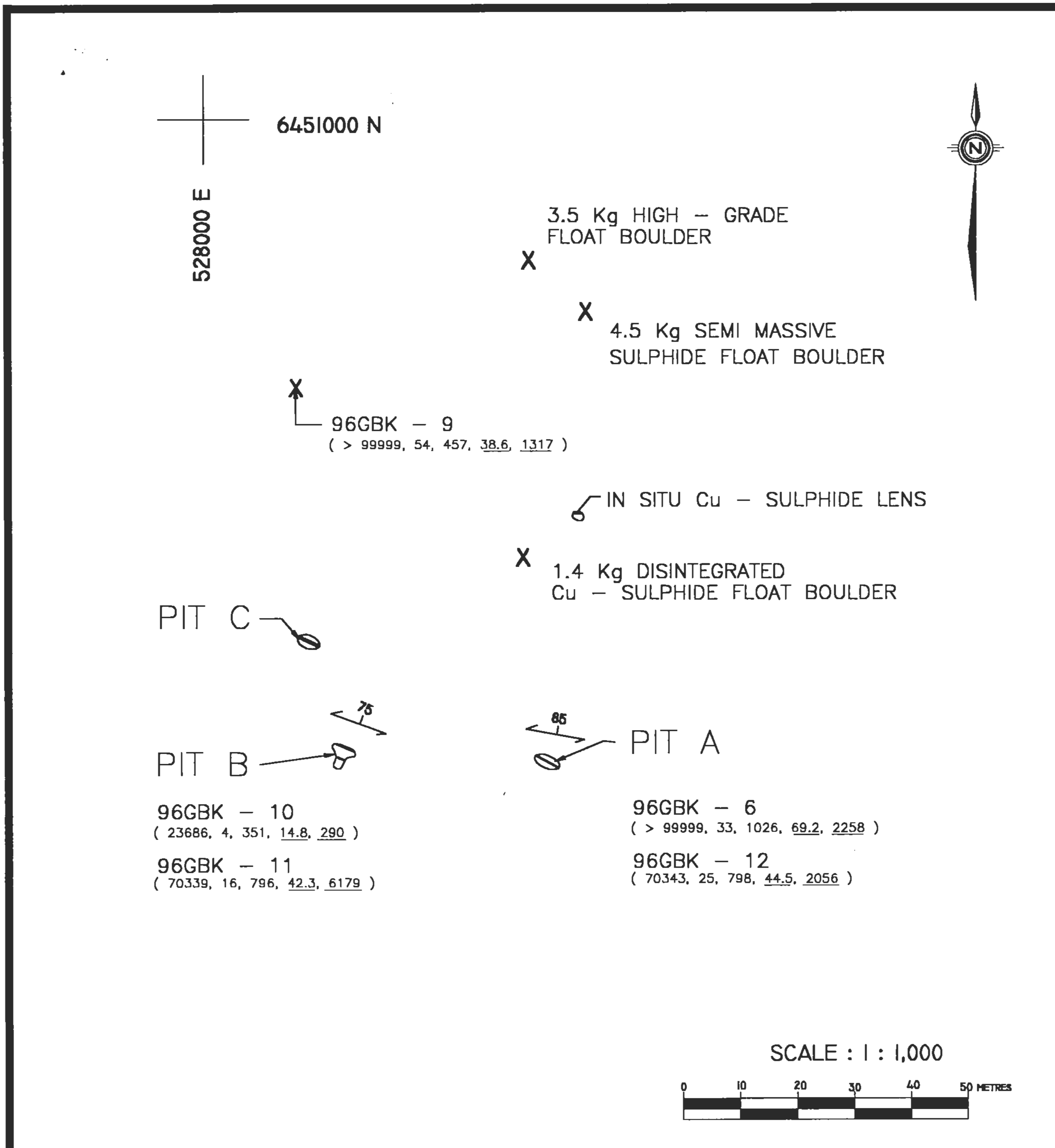
During excavation of the prospect/soil pit several mineralized float boulders were found including a 5 kg subangular block of well-banded, siliceous, semimassive to massive sulphide. This boulder assayed 10,592 ppm Cu, 2,234 ppm Pb, 1,816 ppm Zn, 17.6 ppm Ag and 30 ppb Au.

Thin beds of jasperoidal chert were noted in the volcanic stratigraphy, west and south of Zone 1 (Fig. 1065-6). These iron chert beds are massive to thinly laminated, blood red in color with patches of pink and green, and commonly brecciated with a swirly, dark green, quartz-chlorite-magnetite ± pyrite matrix. One bed contains patches of disseminated chalcopyrite, magnetite and sphalerite (6+00 N, 1+20 W).

The volcanic section structurally overlying Zone 1 to the south forms the east flank of a prominent domal feature that expands to the west into a massive core zone of porphyritic rhyolite. The east flank of this dome consists of layers and lenses of porphyritic rhyolite, felsic tuffs and andesitic to basaltic flows, agglomerate and tuff. The flanking felsic pyroclastic units appear to fine rapidily to the east, away from the domal feature, and locally contain pyritic zones in a series of stacked, semi-concordant, hydrothermal alteration zones.

Zone 2

Zone 2 (Fig. 1065-7) occurs outside the grid area, in the



SYMBOLS

(filled ellipse)	SULPHIDE LENS
X	SULPHIDE FLOAT BOULDER OCCURENCE
75 (strike line)	FOLIATION/BEDDING ORIENTATION
96GBK	SAMPLE LOCATION

(70339, 16, 796, 42.3, 6179) Cu ppm, Pb ppm, Zn ppm, Ag ppm, Au ppb

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ZONE 2

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northwest corner of the claim block, within the east-central part of the Kutcho 15 claim. The area contains three small blast pits, excavated by Noranda in 1976, that expose small bands and lenses of high-grade, semimassive to massive sulphide mineralization hosted within quartz-eye lapilli and crystal tuff. Scattered float (not fly rock) and a small showing of similar mineralization were found within an adjacent area to the north. The distribution of the showings suggest that VMS-type mineral occurrences occur over a stratigraphic interval of at least 50 metres. Outcrop is fairly abundant where the pits occur but not to the north where the float was found or along the projected strike of the zone to the WSW.

Pit A:
- exposes a semimassive, high-grade sulphide band, 10 cm-12 cm wide, trending 107°/85°N

Pit B:
- north face exposes cherty exhalite band 1.0 m wide, trending 115°/75°N with pockets of high-grade mineralization
- a second cupiferous lense is exposed in the same cut, 1.8 metres to the south

Pit C:
- contains a high grade cupiferous lense similar to Pit A

Five samples were collected from Zone 2 which are described below.

Sample	Description	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
96GBK-6	chip sample of sulphide band exposed in Pit A	+99,999	33	1,026	69.2	2,258
96GBK-9	10cm X 7.5cm X 5cm float with 60% sulphides (30% cpy) in fine-grained siliceous matrix	+99,999	54	457	38.6	1,317
96GBK-10	sample from Pit B dump of grey/green hydrothermally altered (Se/Cl) crystal/lapilli quartz-eye tuff; 20% wispy fine-grained sulphide patches (8% cpy, 12% Po)	23,686	4	351	14.8	290
96GBK-11	selected specimen from south end of Pit B of hydrothermally altered, fine-grained, grey/green tuff with 15%-20% cpy and 10%-15% Po in sulphide-rich bands which have been subisoclinally folded	70,339	16	796	42.3	6,179
96GBK-12	sample from Pit A of hydrothermally altered (Se-Cl) quartz-eye tuff with 2.5 cm siliceous, cpy-rich band	70,343	25	798	44.5	2,056

Noranda sampled the pits in 1976 but it is not known whether analysis for gold was ever carried out. Noranda surveyed the zone with CEM (200 m line spacing) and I.P. (100 m dipole-dipole) in 1976 and a single line of pulse EM in 1985. The zone did not respond well to the geophysical surveys and apparently for this reason was never drilled.

Alteration

Moderate to strong, syngenetic, hydrothermal alteration occurs in both Zones 1 and 2. In Zone 1, hydrothermal alteration occurs as patchy, secondary quartz, sericite, carbonate, pyrite and chlorite in a series of stacked, semiconcordant layers or lenses within the tuff-flow sequence structurally underlying Zone 1 to the south. The alteration zones are inferred to have developed by the lateral migration of hydrothermal fluids along zones of primary porosity, adjacent to a volcanogenic, feeder-type structure. Although alteration zones appear to have been controlled primarily by bedding, recognition of original primary fracturing or veining, particularily in less competent rock units, is difficult due to the subsequent strong regional deformation of the host rocks. What appear to be primary hydrothermal breccia zones were recognized in a few exposures.

The semi-concordant alteration zones in Zone 1 contain 3% to plus 10% pyrite. Hydrothermal sericite is distinguished from regional metamorphic sericite/muscovite by a light green, talc-like color and an association with secondary silica.

Secondary chlorite is associated with secondary quartz and sericite and locally is seen as irregular deformed, vein-like outlines with higher concentrations of pyrite and secondary magnetite.

Porphyritic rhyolite of Unit 3a in the central flow/dome complex east of Zone 1 and to a lesser extent, porphyritic rhyolite between lines 0+00 and 4+00 W, north of 9+00 N, contain zones of weak to moderate, quartz-sericite ± chlorite alteration accompanied by 2% to 5% disseminated pyrite. These zones appear to be controlled primarily by fracturing and locally contain stockwork zones of deformed quartz/sulphide veinlets and gashes.

SOIL AND SILT GEOCHEMISTRY

A soil survey carried out in 1994 confirmed the presence of a number of strong, coincident, copper/zinc anomalies overlying and flanking Zone 1 to the northwest. In 1996 the soil survey was extented to provide complete coverage in the expanded west grid and the newly established east grid areas. Soil samples were collected at 50 metre intervals along all new grid lines. In addition a soil profile pit was excavated in Zone 1 to examine the changes in soil geochemistry and soil types with depth over a known mineralized zone.

Where possible, silt samples were collected from all drainages crossing the grid lines.

In total, 745 soil samples and 27 silt samples were collected from the east and west grids in 1996.

Sample Collection

Soil samples were collected by digging holes with a mad-dock to a depth of 20 cm to 30 cm. The "B" horizon was sampled or in some cases a mixture of "B" and "C" horizons depending on soil development. In most cases the material collected consisted of clay-rich till. In some areas the soil consisted of a mixture of till and residual soil and in others sandy outwash. Samples collected were placed in kraft-type envelopes with the grid co-ordinates marked on each envelope with a felt-tipped marker.

Silt samples were taken from the active part of the drainages. As fine a material as available was collected and placed in kraft-type envelopes marked with the grid co-ordinates.

Analyses

All samples were shipped to Acme Analytical Laboratories located in Vancouver, B. C. The -80 mesh fraction of both the soil and silt samples was analysed for 30 elements by I.C.P.

(hot aqua-regia digestion) from a 0.5 gm sample. In addition, silt samples were analysed for gold (hot aqua-regia/MIBK extract, GF/AA finish) from a 10 gm sample of -80 mesh material.

Presentation of Results

Analytical results for the soils and silts collected are listed in Appendix I. Results for copper and zinc are plotted on Plan Maps 1065-8W, 1065-9W (west grid) and 1065-8E, 1065-9E (east grid) at a scale of 1:5,000. The plan maps include results obtained in 1994 as well as results obtained by Noranda along short segments of lines 2+00 W and 4+00 W (14 samples in total) that were inadvertently missed in 1996.

In the west grid area, copper values in soils have been contoured and color-coded at the 100,200,300,400,500 and >600 ppm levels and zinc at the 450,600,750 and >900 ppm levels. Because of the wide line-spacing, a similar contouring of values was not carried out in the east grid, however, anomalous copper-zinc values have been highlighted with circles and color-coded the same as the west grid.

Discussion of Results
Soils

West Grid

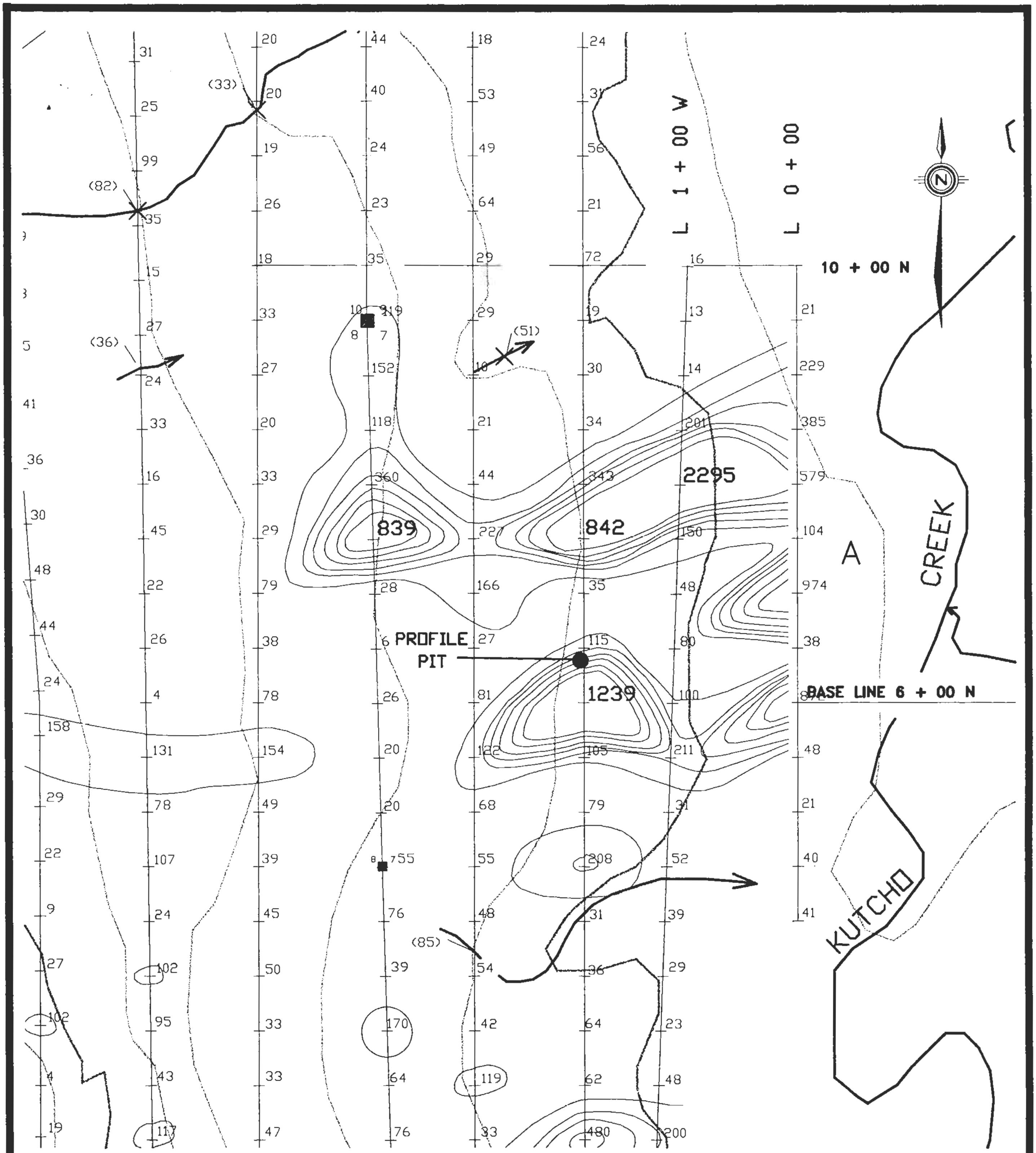
Results of the 1994 soil survey and expanded 1996 survey are consistent with the results obtained by Noranda in 1976 and 1971 with the 1994/1996 surveys providing better definition of the anomalous areas. Seven distinctive, moderate to strong, copper-zinc anomalies or clusters of anomalies have been identified by the survey work carried out in the west grid area.

Anomaly A

Anomaly A consists of a cluster of strong, coincident, copper and zinc anomalies, within a broad zone about 400 m X 500 m in size, that overlies and flanks Zone 1. There appear to be a number of linear to sublinear subanomalies which have an easterly to northeasterly strike. This is inferred to be at least in part due to downslope hydromorphic dispersion towards Kutcho Creek.

A prospect pit was excavated on line 2+00 W at 6+35 N and reached mineralized bedrock at a depth of 1.6 metres. A soil profile exposed in the pit was mapped and sampled. A synopsis is as follows:

soil profile	sample depth	value (ppm)				
		Mo	Cu	Pb	Zn	Ag
0-15 cm: black organic layer						
15-46 cm: typical B horizon; transported soil with	40 cm	13	523	276	1002	1.3



COPPER GEOCHEMISTRY

- 100 ppm – 199 ppm
- 200 ppm – 299 ppm
- 300 ppm – 399 ppm
- 400 ppm – 499 ppm
- 500 ppm – 599 ppm
- > 600 ppm

PROFILE PIT		
4	(40 cm)	523 ppm
3	(90 cm)	4657 ppm
2	(125 cm)	3285 ppm
1	(155 cm)	3042 ppm

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KUTCHO PROPERTY

SOIL ANOMALY A

SCALE : 1 : 5,000

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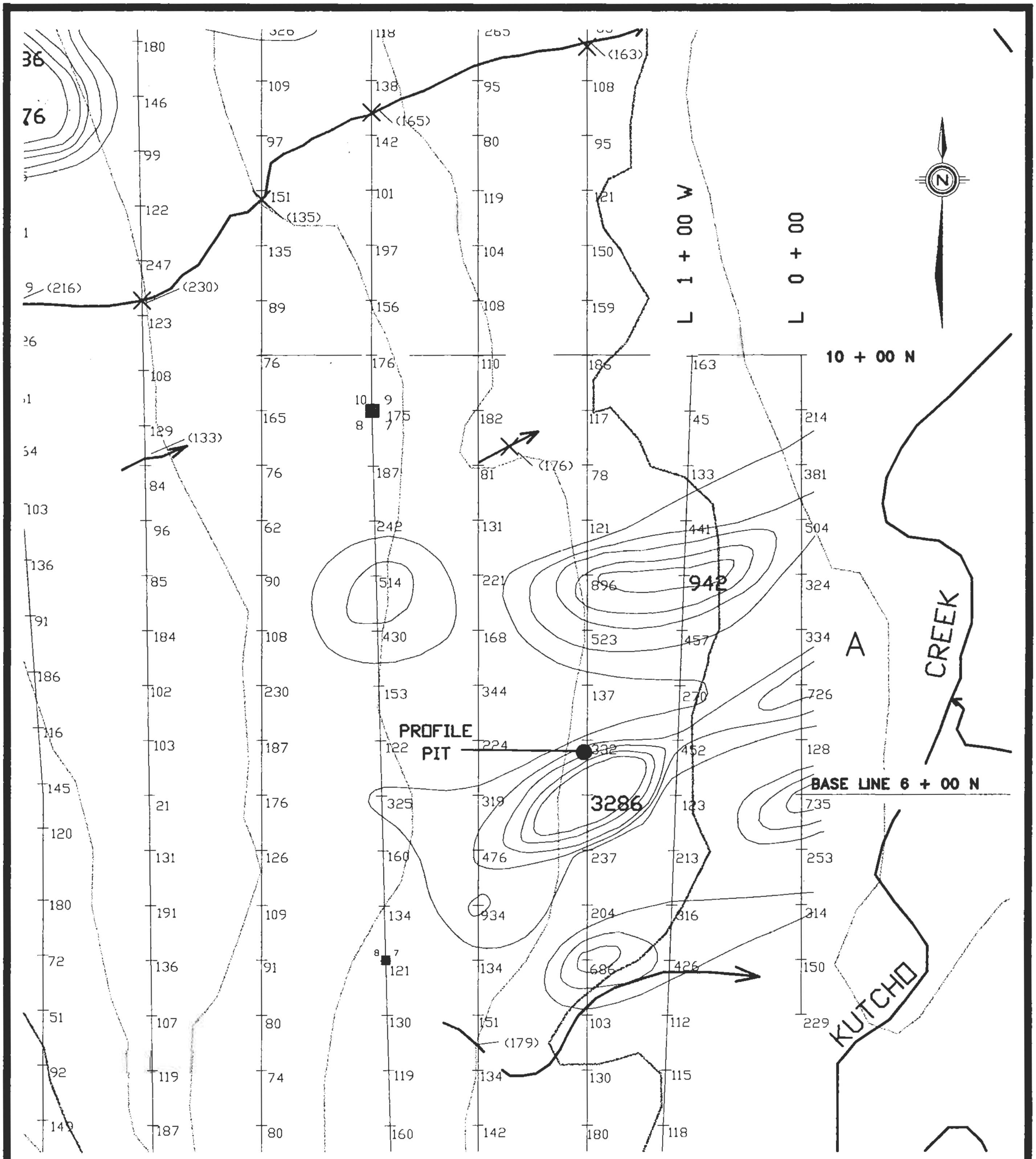

ZINC GEOCHEMISTRY

- 300 ppm – 449 ppm
- 450 ppm – 599 ppm
- 600 ppm – 749 ppm
- 750 ppm – 899 ppm
- > 900 ppm

PROFILE PIT		
4	(40 cm)	1002 ppm
3	(90 cm)	787 ppm
2	(125 cm)	791 ppm
1	(155 cm)	1034 ppm

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SOIL ANOMALY A

SCALE : 1 : 5,000

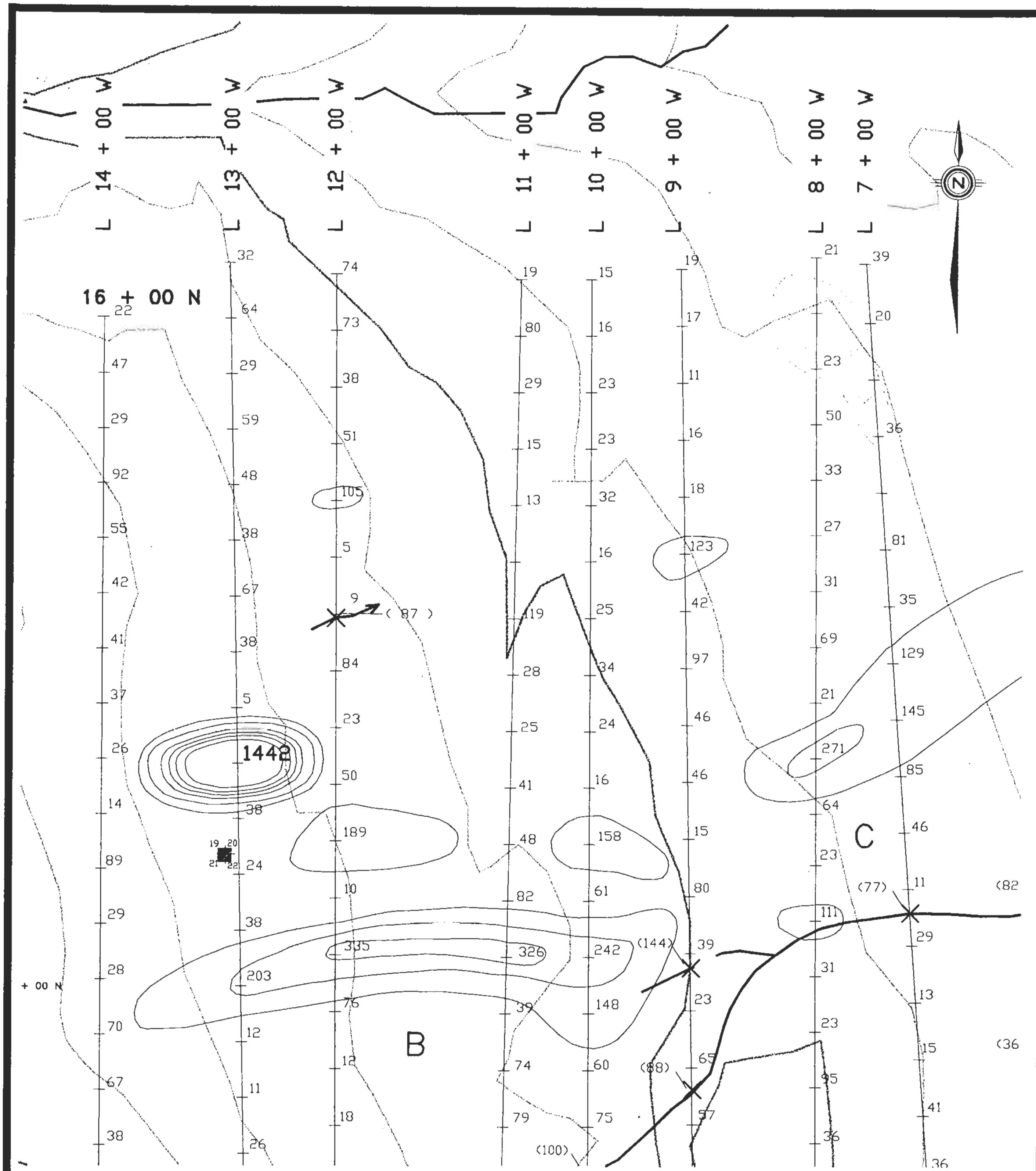
Technical Work By : G. D. BELIK	DATE : DEC / 96
DRAWN BY : DBM TECHNICAL SERVICES	DRAWING NO. 1065 – 11

angular blocks of locally derived material						
46-160 cm: mixture of transported	60 cm	193	4657	502	787	10.2
and residual	125 cm	117	3285	2784	791	9.2
soil; colorful with layered zones of yellow, brown and red	155 cm	121	3042	1497	1034	6.2
160 cm: mineralized bedrock	160 cm	80	3282	1110	1097	7.0

The soil profile results show a dramatic increase in Mo, Cu,Pb and Ag below a depth of 46 cm with an apparent zone of secondary enrichment in Mo,Cu and Ag near the top of the mixed, residual/transported layer.

Anomaly B

Anomaly B consists of a cluster of zinc and lesser copper anomalies centered in the northwest part of the west grid. An overlay of copper and zinc plots suggests that two main trends may exist. A south, easterly-trending zone extends between lines 13+00 W and 10+00 W at about 10+00 N, and contains a central, stronger core (max. 1416 ppm Zn, 335 ppm Cu) between lines 12+00 W and 11+00 W. A second zone appear to be defined by a string of anomalies extending from 14+00 W, 11+00 N northeast to 11+00 W, 13+00 N. This zone contains a central, copper-zinc, anomaly flanked by zinc anomalies to the southwest and northeast.



COPPER GEOCHEMISTRY

- ◯ 100 ppm – 199 ppm
- ◯ 200 ppm – 299 ppm
- ◯ 300 ppm – 399 ppm
- ◯ 400 ppm – 499 ppm
- ◯ 500 ppm – 599 ppm
- ◯ > 600 ppm

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SOIL ANOMALIES

B & C

SCALE : 1 : 5,000

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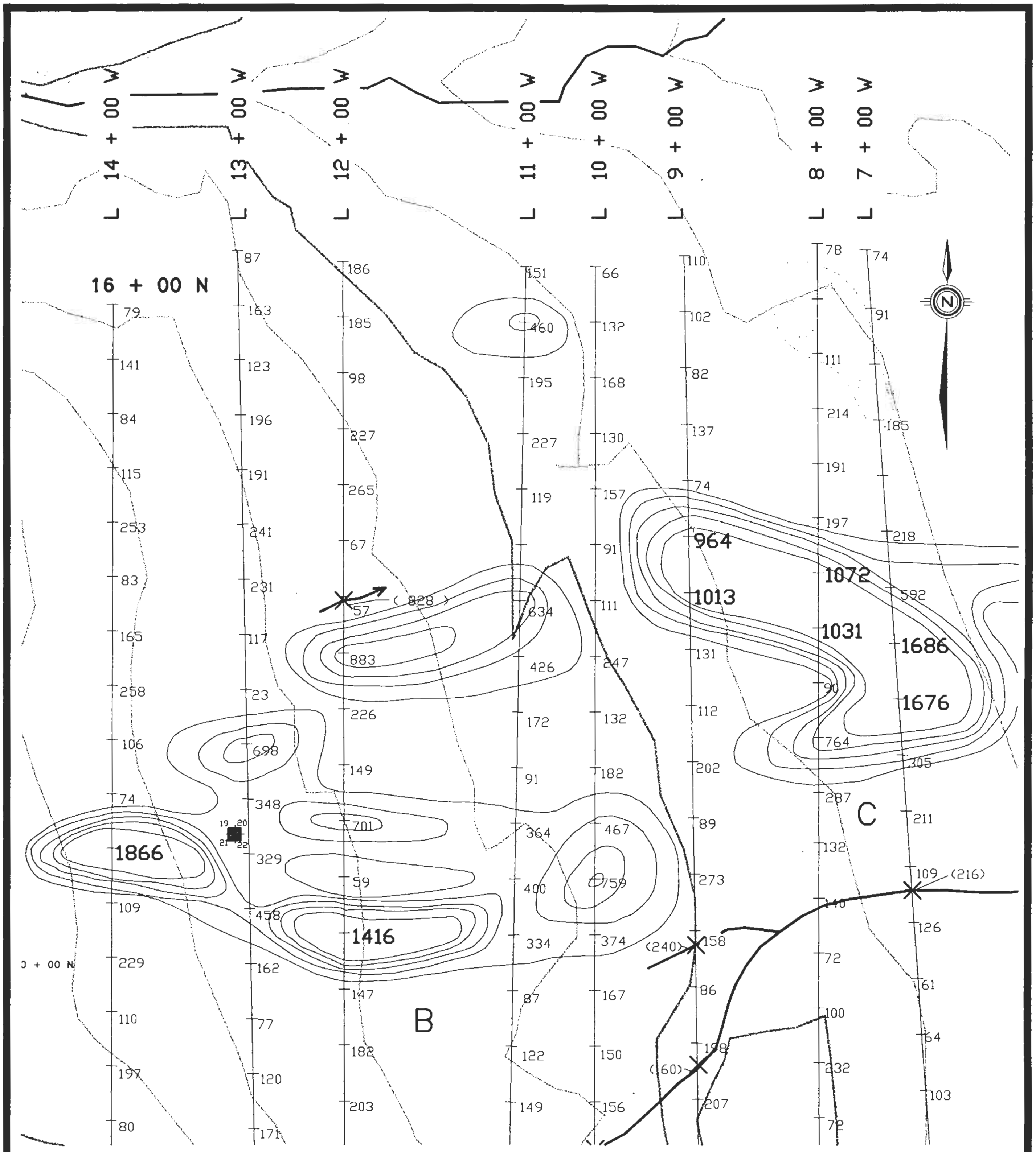
DRAWN BY : DBM TECHNICAL SERVICES	DRAWING NO. 1065 – 12



ZINC GEOCHEMISTRY

- 300 ppm – 449 ppm
- 450 ppm – 599 ppm
- 600 ppm – 749 ppm
- 750 ppm – 899 ppm
- > 900 ppm

G. BELIK & ASSOCIATES

KUTCHO PROPERTY

SOIL ANOMALIES

B & C

SCALE : 1 : 5,000

Technical Work By : G. D. BELIK	DATE : DEC / 96
DRAWN BY : DBM TECHNICAL SERVICES	DRAWING NO. 1065 – 13

The south, easterly-trending soil anomaly occurs in the central part of the rhyolite flow/dome complex at about the same stratigraphic level as the Zone 1 exhalite horizon, located about 800 metres to the southeast. The anomaly is flanked on the north and southwest by siliceous, locally schistose-sericitic, quartz-eye porphyry of Unit 3a which commonly contains minor disseminated pyrite. The anomaly itself, however, and adjoining areas to the south and east are concealed by overburden.

The northeast-trending soil anomaly appears to be associated with felsic crystal tuffs flanking the rhyolite flow/dome complex to the northwest. Disseminated pyrite mineralization was noted in a few of these exposures.

Anomaly C

Anomaly C occurs northwest of anomaly B. The anomaly has a core, about 300 metres long and 50 to 100 metres wide, which is strongly anomalous in zinc (964 to 1686 ppm). A single copper high (271 ppm) occurs at 8+00 W, 11+50 N which appears to have a weakly anomalous tail extending downslope to the northeast that may be hydromorphic.

The source of anomaly C is not known. The anomaly appears to straddle the contact between rhyolite porphyry (Unit 3a) and felsic crystal tuffs of Unit 3e. Outcrop within the core of the anomaly is virtually nonexistent. A small bedrock exposure on line 9+00 W at 13+20 N, near the western edge of the anomaly, contains a few percent disseminated pyrite in a sericitic, schistose, quartz-eye rhyolite.

Anomaly D

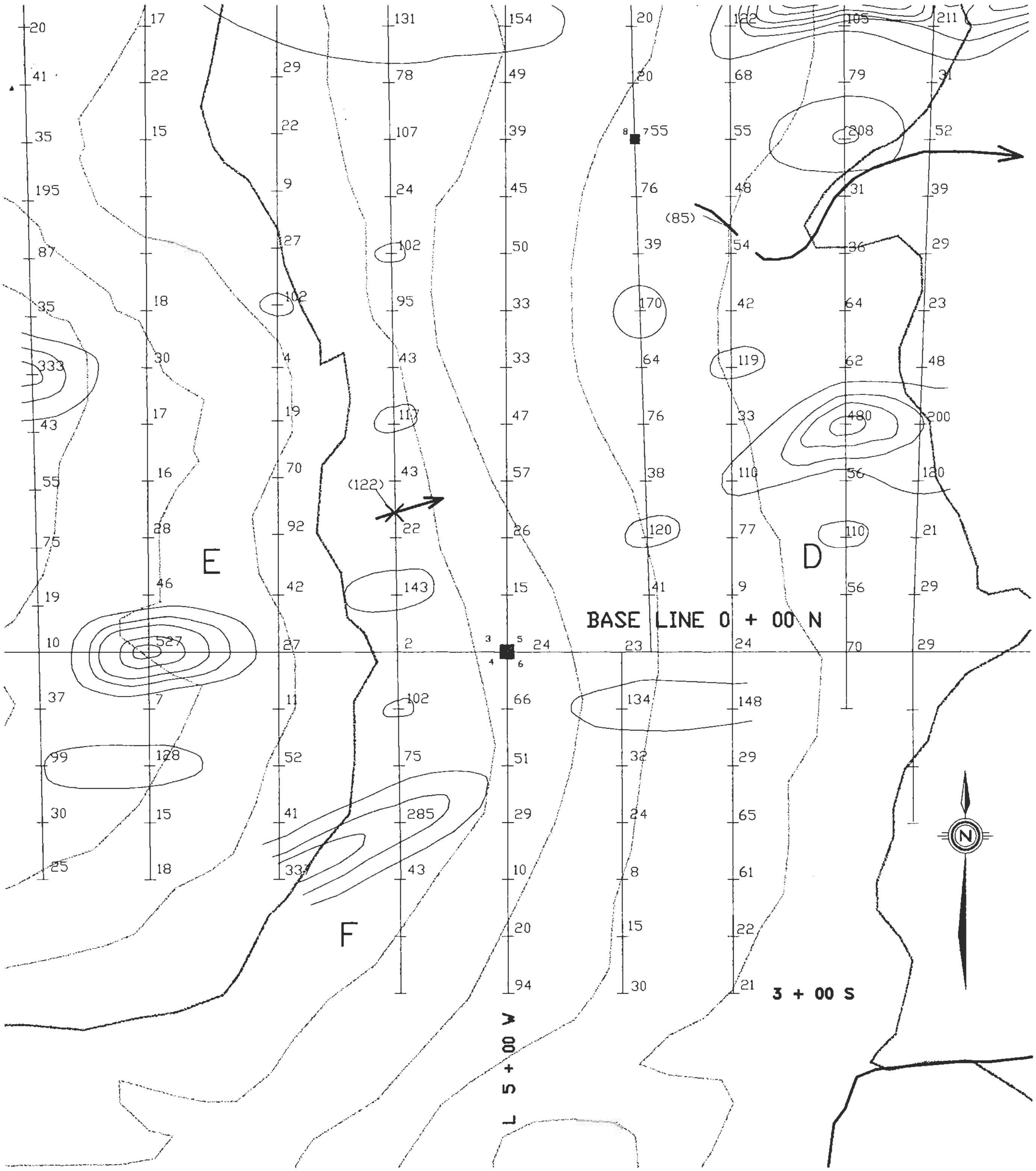
Anomaly D is a small but sharp copper/zinc anomaly located in the southeast corner of the grid between lines 1+00 W and 4+00 W. The strongest part of the anomaly occurs on line 2+00 W. Only two small outcrops were noted in the area, both on line 3+00 W. One, within the anomaly, is a limonitic, altered, felsic dyke. The other, just outside the anomaly to the north, is unaltered greenstone.

Anomaly E

Anomaly E is a strong, single-station copper-zinc anomaly located on the 0+00 N base line at 8+00 W. The source of the anomaly is not known. Pyritic felsic tuffs and cherty exhalite occur in close proximity to the north.

Anomaly F

Anomaly F is a small but strong zinc-copper anomaly located 200 metres southeast of Anomaly E. Bedrock in the area



COPPER GEOCHEMISTRY

- ◯ 100 ppm – 199 ppm
- ◯ 200 ppm – 299 ppm
- ◯ 300 ppm – 399 ppm
- ◯ 400 ppm – 499 ppm
- ◯ 500 ppm – 599 ppm
- ◯ > 600 ppm

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SOIL ANOMALIES

D, E, F

SCALE : 1 : 5,000

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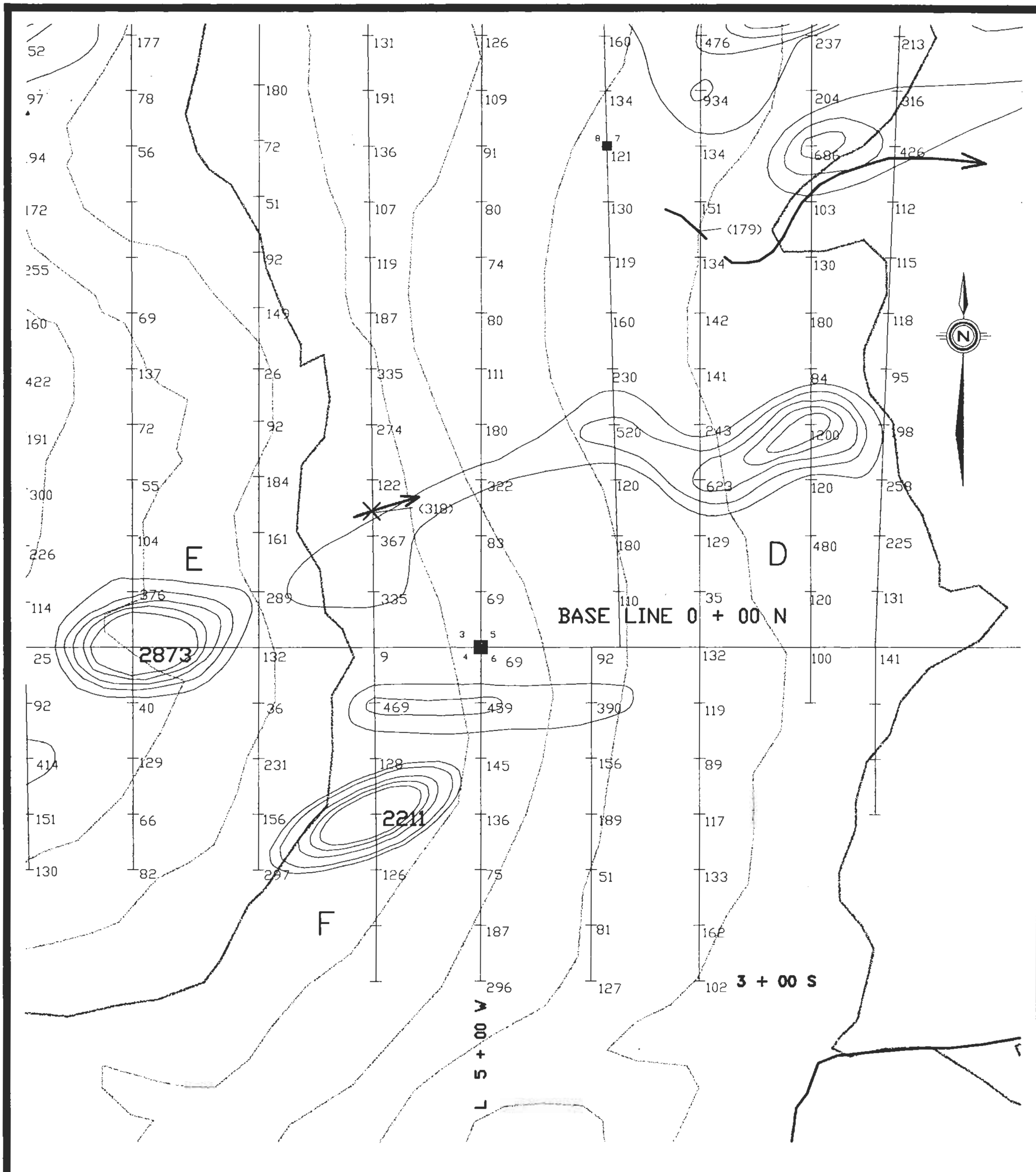
DRAWN BY : DBM TECHNICAL SERVICES	DRAWING NO. 1065 – 14



ZINC GEOCHEMISTRY

- 300 ppm – 449 ppm
- 450 ppm – 599 ppm
- 600 ppm – 749 ppm
- 750 ppm – 899 ppm
- > 900 ppm

G. BELIK & ASSOCIATES

KUTCHO PROPERTY

SOIL ANOMALIES

D, E, F

SCALE : 1 : 5,000

Technical Work By : G. D. BELIK	DATE : DEC / 96
DRAWN BY : DBM TECHNICAL SERVICES	DRAWING NO. 1065 – 15

consists of massive andesite flows with minor pyrite. The anomaly probably reflects restricted, minor mineralization.

Anomaly G

Anomaly G is a single-station zinc anomaly (1617 ppm) located on line 9+00 W at 6+00 N. The sample site occurs on the edge of a large exposure of grey, crystalline limestone. The reason for the anomaly is not known.

East Grid

Fifteen single-station soil anomalies have been detected in the east grid. Ten are weak to moderate, single element anomalies of probable minor significance. Five are potentially significant and have been labelled H to L on plan maps 1065-8E and 1065-9E.

H is a moderately strong copper-silver (6.3 ppm) anomaly located on line 10+00 E about 70 metres north of the trace of the Sinwa limestone that is well exposed in this area and marks the north edge of the south syncline. Siliceous rhyolite with abundant quartz eyes outcrops 200 metres due west of the anomaly.

Anomalies I,K and L occur near the south ends of lines 10+00 E, 18+00 E and 30+00 E respectively. I and K are similar, moderate to strong copper-zinc-cadmium anomalies. L is strongly anomalous in zinc (1541 ppm), cadmium (33.3 ppm) and barium (1800 ppm-partial leach). Due to a lack of outcrop, the bedrock geology in the area underlying anomalies I, K and L has not been established with certainty. There is a good possibility that the anomalies occur along the south edge of the south syncline, and overlie a folded repetition of the upper felsic volcanic sequence.

Anomaly J occurs 450 metres south of Anomaly I, near the south boundary of the claim area. J contains very high molybdenium (159 ppm) and moderately anomalous levels of copper, zinc, silver and arsenic. The geochemical signature of J is quite distinctive and significantly different than anomalies I,K and L.

Silts

Due to poor drainage development, silt samples were collected from only a few creeks draining the claim area. Most samples produced background values for the elements analysed. Weak to moderately anomalous copper values were obtained along the upper part of a small stream draining the east edge of soil anomaly B. A strong zinc anomaly (828 ppm) was obtained from a small stream draining the north edge of soil anomaly area B. A weak copper-zinc anomaly was produced from a small stream (6+00 W, 1+28 N) draining the eastern extension of a felsic tuff/exhalite horizon exposed on the south side of the syncline in the west grid area.

All of the silt samples were analysed for gold with negative results except for one sample (30+00 E, 3+00 S) which returned an anomalous value of 119 ppb. This anomaly occurs at the same spot as soil anomaly site L which returned strongly anomalous zinc-cadmium-barium values.

MAGNETIC SURVEY

A proton magnetic survey was carried out in the west grid area to aid mapping and exploration. A ground magnetic survey had not been previously carried out within this area.

The magnetic survey was carried out utilizing a GeoMetric's "Unimag", portable, proton magnetometer (Model G-830). The Unimag measures the total intensity of the earth's magnetic field over a range of 20,000 to 100,000 gammas with an accuracy of ± 10 gammas.

Procedure

For the magnetic survey, readings were taken at 25 metre intervals along lines 1+00 W to 17+00 W inclusive except for some magnetically flat areas along segments of lines 1+00 W to 4+00 W, where readings were taken at 50 metre intervals.

Prior to beginning the survey, the magnetometer was tuned to the local magnetic field with a coarse adjustment setting. During the course of the survey, base station readings were established at points within the grid area in order to correct for diurnal fluxuations.

Presentation of Results

The results of the magnetic survey are presented in drawing No. 1065-16 at a scale of 1:5,000. Values were contoured at 57000,57200,57400,57600,57800,58000 and 59000 gammas.

Discussion of Results

In general, magnetic relief within the northern ⅔ of the survey area is low with a relatively uniform background of between 57,400 and 57,600 gammas. A small magnetic high is centered over Zone 1 on line 2+00 east and extends east to line 1+00 W. Disseminated magnetite is seen in exposures of siliceous exhalite in this area and would account for the mag feature. A second, similar mag high occurs along the projected strike of zone 1, 300 metres to the west, and probably reflects similar magnetite mineralization. The magnetite could occur in a magnetite-sulphide phase that forms two lobes flanking a sulphide-dominant phase located between lines 2+00 W and 5+00 W.

A broad magnetic high extends across the southern part of the grid between lines 1+00 W and 9+00 W. The mag high is underlain by basic volcanic flows and coarse pyroclastic fragmentals of unit 1 and corresponds closely to the trace of this unit. Within magnetically higher areas, the volcanics contain irregular skarn-like, epidote-rich zones with secondary magnetite as blebs and stringers. This alteration feature and associated secondary magnetite may be related to the intrusion of a trondhjemite sill located along the south edge of the map-area.

The thicker section of the Inklin Formation in the core of the south syncline, between lines 6+00 W and 17+00 W, correlates well with a broad magnetic low. Within the magnetic low there are three lens-shaped, small, very distinct magnetic highs that are aligned along a northwesterly trend. The cause of these mag highs is not known; the only bedrock observed within these zones is non-magnetic black slate.

EXPLORATION TARGETS

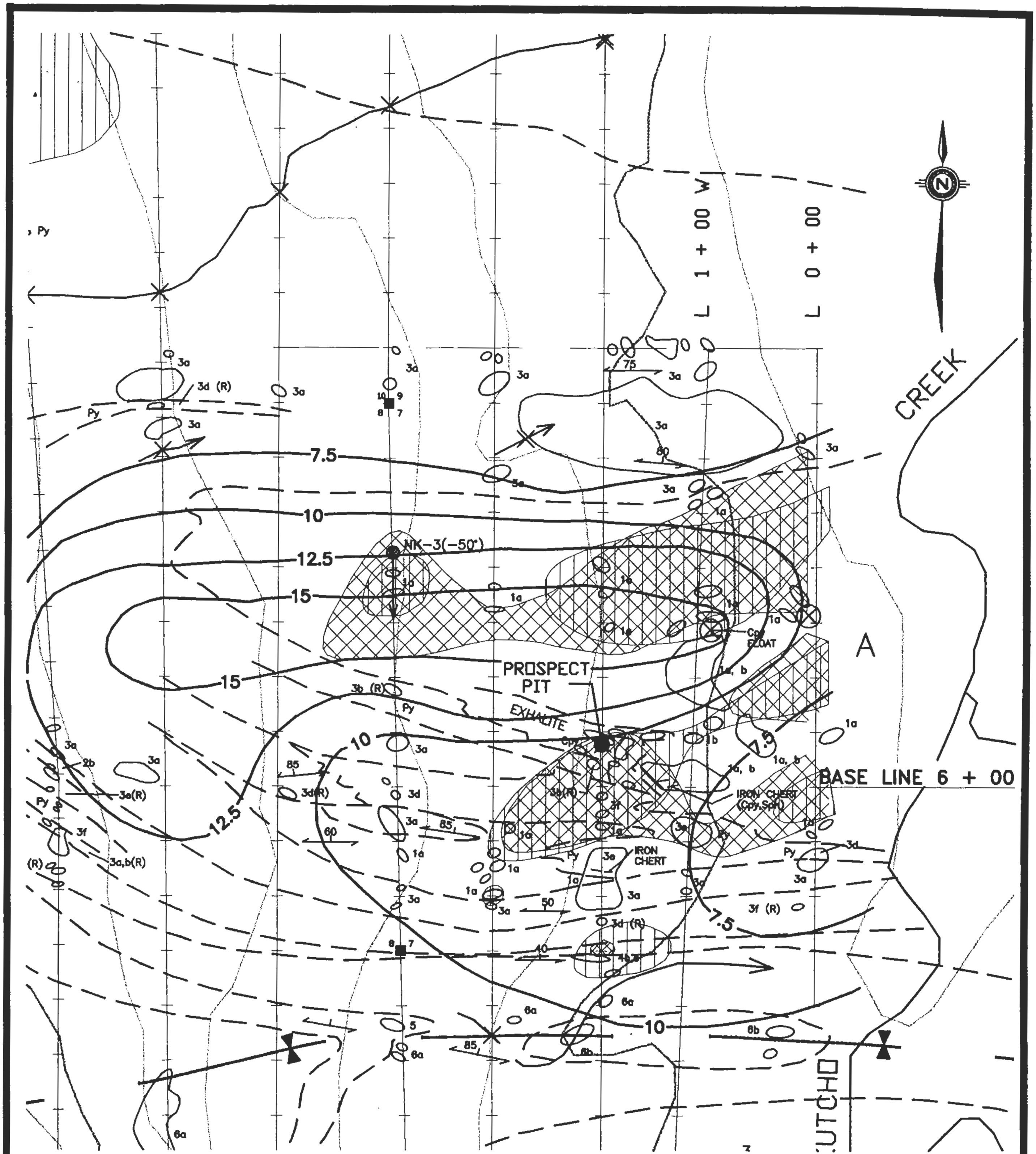
Based on exploration results to date, six main target areas have been identified which warrant follow-up work.

Target Area 1

Area 1 contains a combination of attractive geological, geochemical and geophysical features (Fig. 1065-17). The area contains a significant VMS-type showing (Zone 1) located on the flank of a eruptive felsic dome composed of a series of flows and pyroclastic units. Mineralization is associated with strong copper-zinc soil anomalies and the projected western extension of the zone corresponds to a strong, linear, chargeability anomaly previously identified by Noranda. Thin beds of red, iron chert (telsusekiei-type beds in Kurako deposits) occur in the volcanic stratigraphy west and south of Zone 1; in Kurako deposits and in many other felsic-associated VMS deposits in the world telsusekiei-type beds commonly occur in the hanging wall or along the lateral margins of the deposits.

Target Area 2

Target area 2 is the zone of high-grade, semimassive to massive sulphide lenses and float identified in the northwest corner of the claim area. The mineralization occurs at about the same stratigraphic level as the Kutcho Creek deposit, located 9 km to the east.



LEGEND

I.P. SURVEY CONTOURED IN PERCENT FREQUENCY EFFECT
100 m DIPOLE-DIPOLE ARRAY
(n = 1)
(1977 NORANDA SURVEY)

> 200 ppm Cu CONTOUR

> 450 ppm Zn CONTOUR

G. BELIK & ASSOCIATES

KUTCHO PROPERTY
TARGET AREA 1
COMPILATION

SCALE : 1 : 5,000

Technical Work By : G. D. BELIK	DATE : DEC / 96
DRAWN BY : DBM TECHNICAL SERVICES	DRAWING NO. 1065 - 17

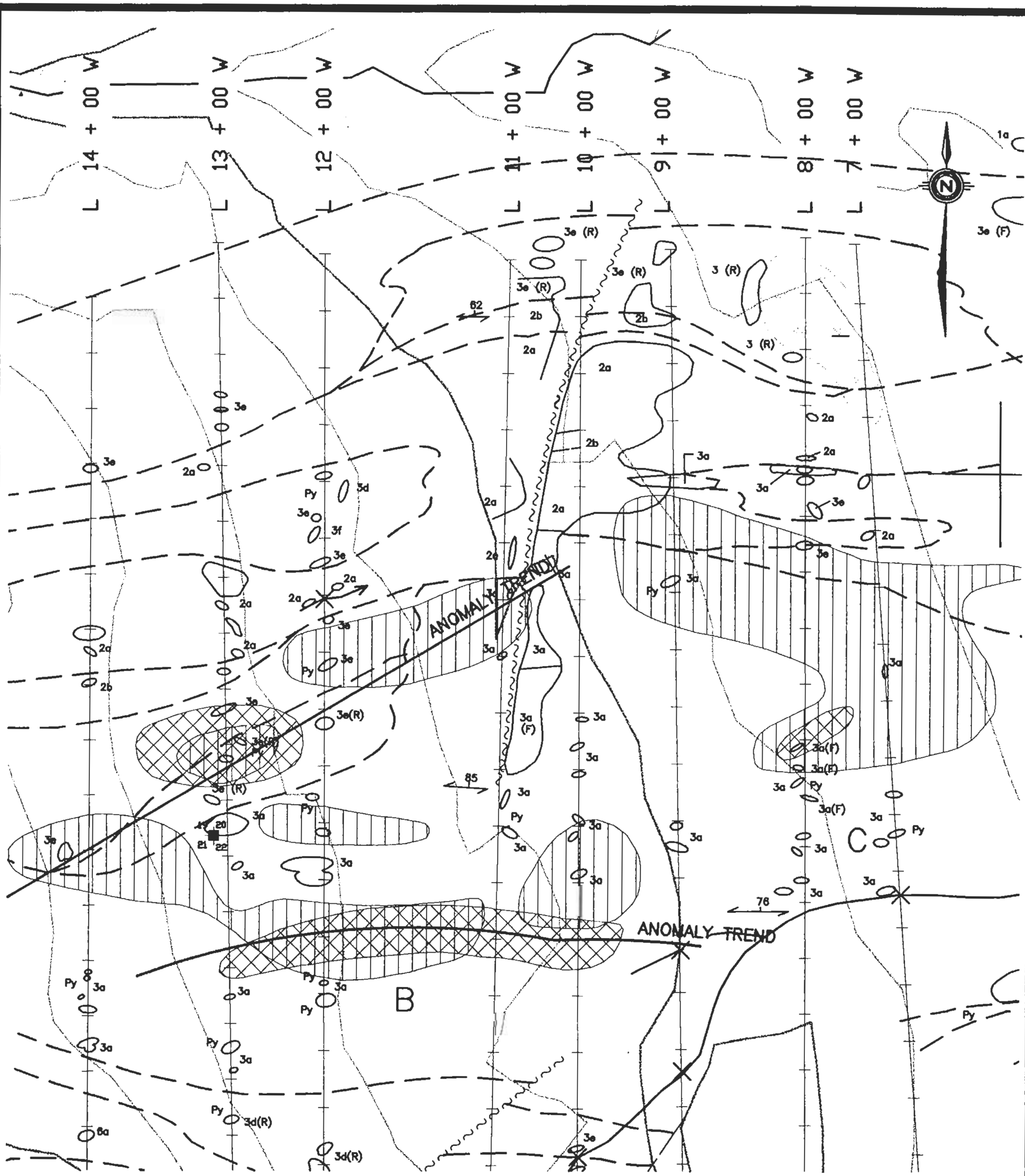
A cluster of float boulders of red, iron chert, similar to the telsusekiei-type beds found in Zone 1, is located along the projected strike of the zone, about 150 metres to the WNW.

Although the lenses are small, the style, grade and strong gold association are very attractive features. The mineralization is proximal and probably formed near a hydrothermal vent zone. Viewed optimistically, the mineralization could represent the leading, feathered edge of a massive sulphide sheet or series of large, massive sulphide lenses located at depth, below the zone of surface mineralization.

Target Area 3

Target area 3 includes soil anomalies B and C. Anomaly B contains two trends (Fig. 1065-18) that occur within and flank the rhyolite dome complex to the west. The south trend occurs at about the same stratigraphic level as Zone 1 which is located 800 metres to the east; the area of the soil anomaly and the projected extension of the anomaly trend to the east are concealed by overburden.

Soil anomaly C straddles the south edge of the rhyolite dome. The strongest part of the anomaly is about 300 m long and 50 to 100 metres wide. Outcrop within the anomaly area is scarce.



LEGEND

ANOMALY TREND

> 200 ppm Cu CONTOUR

> 450 ppm Zn CONTOUR

G. BELIK & ASSOCIATES

KUTCHO PROPERTY

TARGET AREA 3 COMPILATION

SCALE : 1 : 5,000

Technical Work By : G. D. BELIK	DATE : DEC / 96
DRAWN BY : DBM TECHNICAL SERVICES	DRAWING NO. 1065 - 18

Target Area 4

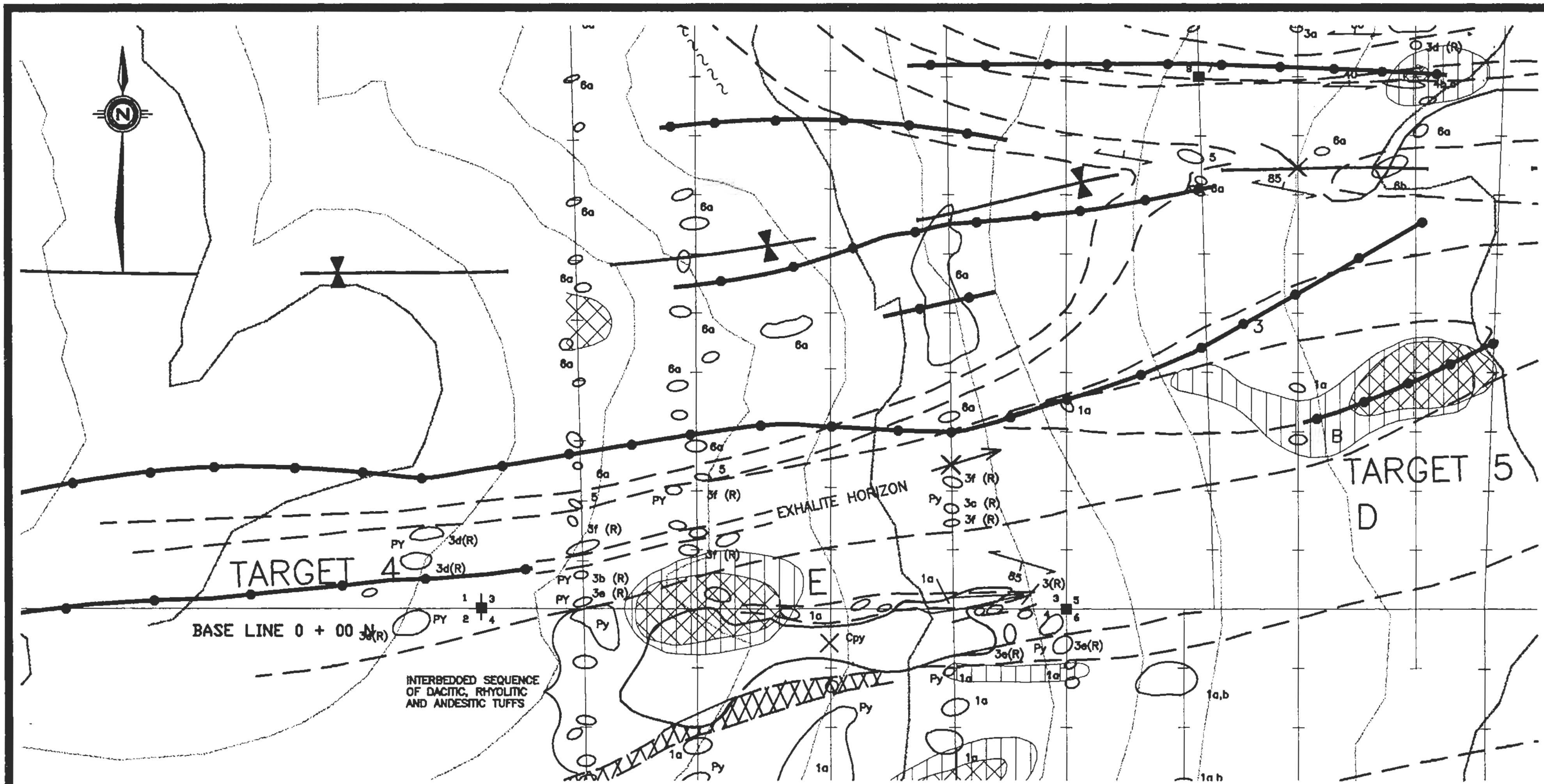
Target area 4 is a strong E.M. conductor (Noranda, 1977) that coincides with the projected westerly extension of a cherty exhalite horizon (Fig. 1065-19). The conductor was traced between 10+00 W and 14+00 W and remains open to the west. The east part of the conductor coincides with a narrow draw; the west end occurs in a flat, till-covered area devoid of outcrop.

The felsic tuffs that contain the cherty exhalite bed are fine grained east of line 9+00 W but coarsen rapidly to the west towards the E.M. conductor. The felsic horizon contains a footwall zone of disseminated pyrite mineralization. The hanging wall zone in the west area contains abundant large quartz eyes.

Target Area 5

Target area 5 is a conductive zone that coincides with a copper-zinc anomaly (D), along the projected strike of the target 4 exhalite bed, 800 metres to the ENE. The strongest part of the soil anomaly is centered over the conductor.

Several other conductors were identified by the Noranda survey in the area of targets 4 and 5 that warrant comment (Fig. 1065-19). A long conductor, just north of targets 4 & 5, corresponds closely to the south edge of the Inklin Forma-



LEGEND

CEM CONDUCTOR
(1977 NORANDA SURVEY)

> 200 ppm Cu CONTOUR

> 450 ppm Zn CONTOUR

G. BELIK & ASSOCIATES

KUTCHO PROPERTY

TARGET AREAS 4 & 5 COMPILATION

SCALE : 1 : 5,000

Technical Work By : G. D. BELIK	DATE : DEC / 96
DRAWN BY : DBM TECHNICAL SERVICES	DRAWING NO. 1065 - 19

tion exposed in the south syncline, and probably represents a resistivity contact zone between the relatively non-conductive Kutcho volcanics and the fairly conductive Inklin black slates. Likewise, the conductor located in the northern most part of Fig. 1065-19 appears to mark the contact between the Inklin and Kutcho Formations along the north side of the syncline. The three conductors between the north and south boundary conductors probably represent more conductive segments within the black slate sequence.

Target Area 6

Target area 6 consists of the five soil geochemical anomalies (H to L) located in the south part of the east grid area. The Turam survey completed by Imperial Oil in 1975 to the east and northeast did not extend into this area.

SUMMARY AND CONCLUSIONS

The claim area covers a portion of the western segment of a westerly-plunging anticlinal structure that exposes a arc-type sequence of schistose, bimodal volcanic rocks and sediments of the Upper Triassic Kutcho Formation. About 3 km east of the claim area this sequence hosts a large copper-zinc VMS deposit in the highest felsic cycle; the deposit is hosted by quartz-sericite schist and coarse pyroclastic rocks (quartz-eye lapilli tuff and agglomerate) are hanging-wall units closely associated with ore.

Within the claim area, the Kutcho Formation consists of a complex sequence of predominantly felsic volcanic rocks with interbeds of dacite, andesite, basalt and sediments. A prominent rhyolite flow/dome complex occurs in the west grid area; the dome contains a fairly massive core that thins rapidly to the west and grades easterly into a series of porphyritic rhyolite flows interlayered with felsic pyroclastics and andesitic to basaltic flows tuff and agglomerate. In the east grid, three rhyolite horizons have been identified which represent separate felsic volcanic cycles; the upper two appear to be extensions of the flow/dome complex mapped to the west. A deep basin was thought to have formed in the northeast part of the claim block. The basin was flanked by a volcanic, arc-like, highland area that extended along the southern part of the claim area. Late stage uplift and emergence of the volcanic arc resulted in rapid erosion and deposition of an areally extensive grit-conglomerate unit into the basinal area.

Within the Kutcho claims, soil geochemistry has delineated several strong copper-zinc soil anomalies up to 600 metres long. A large, poorly exposed, siliceous exhalite horizon with bands of semimassive to massive sulphide is associated with one of the main soil anomalies; the zone occurs on the east flank of the rhyolite flow/dome and is flanked on the north and east by unaltered, andesitic crystal tuff and overlies hydrothermally altered coarse rhyolite fragmentals. A 1.6 metre deep prospect pit within the exhalite zone exposed bedrock grading 0.33% Cu, 0.11% Zn, 0.11% Pb and 7.0 ppm Ag. A float boulder of siliceous, banded, semimassive to massive sulphide found in the same pit assayed 1.06% Cu, 0.23% Pb, 0.18% Zn and 17.6 ppm Ag.

A sequence of quartz-eye lapilli and crystal tuffs containing small but high grade massive sulphide lenses with appreciable gold and silver values is located in another part of the property; the lenses occur over a stratigraphic interval of at least 50 metres. Five samples collected from sulphide lenses and sulphide float in the area averaged 7.28% Cu 0.07% Zn, 41.9 ppm Ag and 2420 ppb Au.

Moderate to strong, syngenetic, hydrothermal alteration occurs in a number of areas. In Zone 1, hydrothermal alteration occurs as patchy, secondary quartz, sericite, carbonate, pyrite and chlorite in a series of stacked, semiconcordant layers or lenses within the tuff-flow sequence underlying Zone 1 to the south. The alteration zones are inferred to have developed by the lateral migration of hydrothermal fluids along zones of primary porosity, adjacent to volcanogenic, feeder-type structures.

Exploration to date has identified six main areas of interest, some with multiple targets. Noranda tested one area with a single drill hole in 1977 with negative results but this hole appears to have been drilled short of the primary target.

The combination of favourable geology, alteration, attractive geochemistry and geophysics and the confirmation of significant base-metal, precious-metal mineralization in two VMS-type showings suggest that the Kutcho property has an excellent exploration potential. The property is of unusual merit; a program of further exploration is warranted and strongly recommended.

RECOMMENDATIONS

A 2-phase program is recommended for the next stage of exploration of the Kutcho property.

Phase I

Phase I includes mapping in target area 2, soil sampling in areas 2,4 and 6, prospect/soil profile pits in areas 1,4 and 5 and a Max Min horizontal-loop E.M. survey in areas 4 and 5, to confirm and trace the conductors identified by the Noranda CEM survey, as well as a few lines of Max Min in areas 2 and 6 to test for near surface conductors in these areas;

a provision should be made to allow for an expansion of the Max Min survey or the prospect/soil profile pit program as results warrant.

Target 1: Target 1 is at the drill stage now. However, because a crew will be in the area, it will be worth while putting in a few more prospect pits to evaluate segments of the main soil anomalies and probe for mineralization or mineralized float along the projected trace of the mineralized horizon. The pit dug this year demonstrated that there can be a dramatic increase in soil values at depth, below the zone that would have normally been sampled during a regular soil survey. Sampling and mapping the soil profile exposed in the pits can also help determine if an anomaly is close to being in situ, has been mechanically transported (ie. glacial till or outwash) or is of probable hydromorphic origin (B vs. C horizons).

Target 2: To provide control for geological mapping and the soil and Max Min E.M. survey, a cut base line should be placed at 24+00 N and extend from 0+00 to 20+00 W. Cut cross-lines should be placed at 6+00 W, 10+00 W, 14+00 W 16+00 W and flagged cross-lines at 7+00 W, 8+00 W, 9+00 W, 11+00 W, 12+00 W, 13+00 W, 15+00 W, 17+00 W, 18+00 W, 19+00 W and 20+00 W from 16+00 N to 28+00 N. Mapping and soil sampling will be carried out along all grid lines. Max Min will initially be run along cut lines 6+00 W, 10+00 W, 14+00 W and 16+00 W and expanded to include other lines if results warrant.

Target 3: Soil anomalies in target area 3 should be initially evaluated by a series of about 15 prospect/profile pits placed along the trend of the anomalies. Soil profiling will help evaluate and priority rate the anomalies as well as vector-in on possible source areas.

Target 4: A Max Min survey should be carried out in area 4 to verify and pin point the Noranda CEM conductor associated with the westerly extension of the rhyolitic tuff horizon. The Max Min survey should also be able to determine the conductivity, thickness, dip and depth of the conductive zone.

In order to accommodate the Max Min survey, the 0+00 N base line should be cut out from 1+00 W to 15+00 W and cut cross-lines placed at 10+00 W, 11+00 W, 12+00 W, 13+00 W, 14+00 W and 15+00 W from 2+00 S to 2+00 N.

Target 5: Target 5 should be tested with a Max Min survey on lines 1+00 W, 2+00 W, 3+00 W and 4+00 W (0+00 to 4+00 N) to verify and trace the Noranda CEM anomaly which in this area is associated with a moderate to strong copper-zinc soil anomaly. Some profile pits should be sampled within the soil anomaly area, along the trace of the E.M. conductor.

Target 6: Within target 6, the 6+00 N base line should be cut out from 6+00 E to 30+00 E and cross-lines 10+00 E, 18+00 E and 30+00 E cut out from 6+00 S to 6+00 N. The cut cross-lines should be surveyed by Max Min and adjacent or intermediate lines run if results warrant.

Soil profile samples will be collected from anomaly sites H to L. In addition, short lines should be placed 100 metres each side of the soil anomalies and sampled to see if the anomalies can be expanded.

Phase II

A drill program is planned for phase II. A probable minimum 1000 metres of core drilling in about seven holes will be required to test the main targets. Targets 1,2,4 and 5 are at or likely will be at the drill stage by the end of phase I; other drill targets could be developed in areas 3 and 6. The target model in area 2 is a buried deposit below or lateral to the high grade surface showings. Phase I may not be successful in locating a near surface target in this area but may determine the best place to test the zone at depth. At this point there may be two choices; firstly, try a deep penetrating E.M. survey (UTEM or Pulse E.M.) along a few lines to try and locate a target or secondly, drill one or two holes to see if the zone is improving at depth. The drilling could be followed by a down-hole UTEM or Pulse E.M. survey to test for deep targets.

BUDGET ESTIMATE

Phase I: (estimated 30 day program)
- -geological mapping
- -29.7 km cut grid
- -12.7 km uncut grid
- -23.8 km Max Min
- -25 prospect/soil pits
- -500 soil samples

a) Labour	$ 21,400
b) Camp Rental	1,000
c) Lumber and Camp Consumable	1,000
d) Food	1,200
e) Geophysical Equipment Rental	2,500
f) Power Saw Rental, Gas & Oil	400
g) Field Supplies	250
h) Vehicle Rentals	2,000
i) Satellite Telephone Rental and Calls	1,000
j) Field Radio Rentals	500
k) Fixed Wing Aircraft	2,000
l) Helicopter Support	5,000
m) Geochemical Analyses	5,000
n) Travel Expense	1,000
o) Maps and Report	3,000
p) Contingency	3,750
Total Phase I	$ 51,000

Phase II:
- -diamond drill program

a) Site Preparation	$ 10,000
b) 1,000 metres NQ core @ $130/metre all inclusive	130,000
c) Helicopter Support	16,000
d) Fixed Wing Support	5,000
e) Down Hole Geophysics	10,000
f) Contingency	14,000
Total Phase II	$185,000

PROFESSIONAL PROVINCE OF G. D. BELIK BRITISH COLUMBIA GEOSCIENTIST

G.D. Belik, P.Geo.

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Appendix I

Geochemical Results

ACME ANALYTICAL LABORATORIES LTD. [illegible] E. HASTINGS ST. VANCOUVER BC [illegible] 1R6 PHONE(60[illegible]3-3[illegible] FAX([illegible]4)2[illegible]716

GEOCHEMICAL ANALYSIS CERTIFICATE

G. Belik & Assoc. Ltd. PROJECT KUTCHO File # 96-4761 Page 1

1815 North River Drive, Kamloops BC V2B 7N4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
96GBK-1	1	494	12	68	<.3	17	19	1118	3.86	2	<5	<2	<2	41	.2	<2	2	101	1.87	.057	1	19	1.86	14	.26	<3	2.08	.01	<.01	2	3
96GBK-2	<1	19	10	34	<.3	15	7	731	1.93	20	<5	<2	<2	1138	.7	<2	<2	50	33.64	.022	2	90	1.10	9	<.01	<3	.27	.01	.01	2	<2
96GBK-3	11	10	11	22	<.3	7	1	82	1.83	7	<5	<2	<2	6	<.2	3	<2	2	.11	.006	3	18	.22	11	<.01	<3	.28	.07	.02	4	<2
96GBK-4	4	13	6	73	<.3	13	1	899	4.83	<2	<5	<2	<2	3	<.2	<2	<2	97	.06	.028	1	46	2.77	17	.08	<3	2.31	.04	<.01	<2	<2
96GBK-5	1	13	5	40	<.3	2	1	2383	1.54	4	<5	<2	<2	32	<.2	<2	<2	2	1.39	.013	1	8	.92	18	<.01	<3	.30	.05	.06	2	3
96GBK-7	80	3282	1110	1097	7.0	24	29	540	15.64	8	<5	<2	<2	2	4.0	<2	9	77	.07	.031	1	46	1.50	6	<.01	<3	1.27	<.01	<.01	4	7
96GBK-6	6	99999	33	1026	69.2	4	1	636	14.67	2	<5	<2	<2	31	37.6	<2	3	23	2.37	<.001	1	15	.56	8	.02	<3	.65	<.01	<.01	<2	2258
RE 96GBK-6	6	99999	25	1024	69.3	5	1	639	14.65	3	<5	<2	<2	31	37.2	<2	<2	24	2.36	<.001	1	13	.55	8	.02	<3	.65	<.01	<.01	<2	2150
STANDARD C2/AU-R	21	63	45	143	7.7	72	36	1089	3.78	42	21	7	37	51	19.4	18	19	72	.52	.108	39	62	.98	195	.08	28	1.92	.06	.13	11	478

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 SILT P3 TO P25 SOIL AU** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 24 1996 DATE REPORT MAILED: Oct 10/96 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Revised Copy.

ME YTI LAI TOR LTD 8 3. I ING . V)UVE 3 1R6 PH (604 3-3 FA 4)2 716

GEOCHEMICAL ANALYSIS CERTIFICATE

G. Belik & Assoc. Ltd. PROJECT KUTCHO File # 96-5377

1815 North River Drive, Kamloops BC V2B 7N4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
96GBK-8	101	10592	2234	1816	17.6	18	39	152	16.45	7	<5	<2	<2	4	10.5	5	20	26	.01	.006	1	23	.39	3	<.01	5	.43	.01	<.01	<2	30
96GBK-9	13	99999	54	457	38.6	6	40	99	20.25	82	<5	<2	<2	8	10.3	2	<2	14	.11	.145	<1	10	.06	2	<.01	<3	.25	.01	<.01	<2	1317
96GBK-10	4	23687	4	351	14.8	6	33	793	10.86	2	<5	<2	<2	4	7.1	2	<2	15	.23	<.001	<1	11	2.22	1	.01	<3	2.37	<.01	<.01	<2	290
96GBK-11	6	70339	16	796	42.3	5	27	476	13.94	6	5	4	<2	24	18.6	<2	8	22	1.44	<.001	<1	11	.94	3	.06	<3	1.17	.01	<.01	<2	6179
96GBK-12	3	70343	25	798	44.5	7	17	1091	17.25	2	<5	<2	<2	9	21.9	2	11	31	.54	<.001	<1	11	.77	4	.02	<3	1.17	<.01	<.01	<2	2056
RE 96GBK-12	4	70312	24	825	46.0	7	17	1121	17.75	<2	<5	<2	<2	9	23.3	<2	16	33	.56	<.001	<1	12	.79	5	.02	<3	1.21	<.01	<.01	<2	2185

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

DATE RECEIVED: OCT 17 1996 DATE REPORT MAILED: Oct 29/96 SIGNED BY.......... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
PIT PROFILE 1	121	3042	1497	1034	6.2	19	14	648	29.98	<2	10	<2	4	15	5.8	<2	<2	83	.27	.065	8	34	1.07	55	.01	<3	1.41	<.01	.02	<2
PIT PROFILE 2	117	3285	2784	791	9.2	37	15	792	25.71	52	9	<2	3	19	2.9	<2	4	91	.38	.090	10	59	1.16	56	.03	<3	1.38	<.01	.02	<2
PIT PROFILE 3	193	4657	501	787	10.2	32	26	1697	27.18	3	10	<2	4	17	4.5	<2	6	70	.29	.051	11	29	.89	81	.02	<3	1.35	<.01	.01	<2
PIT PROFILE 4	13	523	276	1002	1.3	54	27	1511	9.54	2	<5	<2	4	30	1.4	<2	2	76	.55	.060	18	60	1.86	113	.10	<3	2.89	.01	.04	<2
RE PIT PROFILE 4	10	497	293	1045	1.2	58	28	1560	9.74	5	<5	<2	4	32	1.6	<2	5	76	.59	.063	20	63	1.86	121	.10	<3	3.09	.01	.04	<2

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L12+00W 12+90N	3	87	13	828	.5	85	16	777	4.64	9	<5	<2	2	76	2.4	<2	<2	59	1.04	.075	29	83	1.34	181	.10	<3	2.65	.02	.07	<2	4
L11+00W 7+18N	4	70	10	169	.3	125	21	1408	4.97	40	5	<2	2	42	.6	<2	2	45	.55	.070	9	69	1.22	83	.05	<3	1.28	.01	.06	<2	3
L10+00W 8+88N	2	100	12	140	.3	123	22	816	4.50	24	7	<2	2	72	.6	3	<2	73	.99	.079	11	79	1.42	94	.12	3	1.70	.02	.07	<2	2
L9+00W 9+84N	3	144	13	204	.8	120	18	805	4.31	21	<5	<2	<2	88	.9	<2	<2	58	1.52	.094	25	79	1.29	178	.07	4	2.03	.02	.07	<2	3
L9+00W 8+72N	4	88	13	160	.5	117	20	988	4.56	34	<5	<2	<2	94	.7	<2	<2	61	1.31	.085	12	76	1.26	116	.08	4	1.59	.02	.06	<2	2
L7+00W 10+25N	3	77	12	216	.3	98	18	1277	4.37	27	<5	<2	<2	78	.9	<2	<2	51	1.10	.083	12	61	1.15	115	.06	4	1.46	.02	.06	<2	3
L6+00W 10+55N	3	82	13	230	.4	98	19	1146	4.56	25	<5	<2	2	100	1.0	<2	<2	59	1.44	.086	17	72	1.37	135	.08	4	1.81	.02	.07	<2	3
L6+00W 9+14N	2	36	8	133	.3	53	15	2637	3.65	<2	<5	<2	<2	80	.5	<2	<2	71	1.21	.087	11	58	1.16	250	.08	3	2.03	.02	.06	<2	1
L6+00W 1+28N	2	122	12	318	.6	30	11	849	4.03	36	<5	<2	<2	105	.9	<2	<2	49	1.70	.063	16	41	.87	112	.06	4	1.67	.02	.05	<2	1
L5+00W 11+40N	2	33	7	135	<.3	81	19	1124	3.85	8	<5	<2	<2	43	.4	3	<2	73	.53	.042	7	86	1.73	95	.13	3	1.66	.02	.06	<2	2
RE L5+00W 11+40N	2	33	5	136	<.3	82	19	1123	3.86	7	<5	<2	<2	44	.4	2	<2	72	.54	.042	8	86	1.73	94	.13	3	1.65	.03	.06	<2	2
L4+00W 13+50N	2	112	9	220	1.0	107	19	1126	4.30	11	<5	<2	<2	59	.7	<2	<2	63	.94	.078	29	88	1.52	221	.06	3	2.68	.02	.12	<2	4
L4+00W 12+30N	1	52	9	165	<.3	92	21	1165	4.10	6	<5	<2	<2	57	.4	<2	<2	76	.77	.053	11	98	1.87	107	.13	4	1.86	.02	.06	<2	3
L3+00W 3+85N	3	85	9	179	.6	106	17	815	4.39	59	<5	<2	2	66	.7	<2	<2	78	.93	.078	19	60	1.09	90	.11	<3	1.47	.02	.05	<2	1
L2+35W 9+20N (65)	1	51	7	176	.3	47	14	795	3.47	<2	<5	<2	<2	64	.3	<2	<2	74	1.04	.070	10	63	1.26	163	.11	3	1.82	.02	.05	<2	1
L2+00W 12+85N	1	49	6	163	<.3	93	20	1273	3.97	6	<5	<2	2	50	.7	<2	<2	74	.65	.050	9	97	1.82	106	.12	3	1.80	.02	.05	<2	<1
L6+00E 3+77N	3	54	9	166	<.3	74	25	1566	4.26	8	<5	<2	2	34	.5	<2	<2	78	.63	.069	11	80	1.52	162	.11	<3	1.78	.02	.06	<2	2
L10+00E 2+88N	2	44	7	131	<.3	60	20	1114	3.61	4	<5	<2	2	32	.3	<2	<2	71	.57	.061	10	74	1.34	154	.11	<3	1.66	.02	.06	<2	2
L14+00E 2+17N	2	29	6	107	<.3	54	20	1199	3.49	5	<5	<2	2	30	.3	2	<2	75	.53	.056	7	79	1.55	120	.14	<3	1.66	.02	.06	<2	2
L18+00E 17+30N	1	29	6	87	<.3	16	17	978	4.14	7	<5	<2	<2	13	<.2	<2	<2	114	.29	.034	5	25	1.98	68	.10	<3	1.98	.01	.11	<2	1
L18+00E 17+30N (A)	1	30	4	94	<.3	18	18	1003	4.29	6	<5	<2	<2	14	<.2	<2	<2	110	.31	.037	6	26	1.93	73	.09	<3	2.00	.01	.10	<2	<1
L18+00E 3+60N	1	32	8	112	<.3	53	19	1050	3.69	3	<5	<2	2	28	.3	<2	<2	79	.58	.062	9	79	1.51	132	.14	<3	1.79	.02	.06	<2	2
L18+00E 1+55N	1	57	10	146	.5	72	14	931	3.30	<2	<5	<2	<2	52	.5	<2	<2	64	1.25	.093	18	95	1.41	266	.08	3	2.10	.02	.06	<2	5
L22+00E 19+95N	3	47	9	149	.3	27	22	1239	4.74	17	<5	<2	<2	22	.3	<2	<2	89	.51	.053	14	33	1.39	108	.10	<3	2.06	.01	.10	<2	1
L22+00E 2+95N	2	34	9	120	<.3	57	20	1234	3.79	4	<5	<2	2	32	.4	<2	<2	77	.60	.063	10	81	1.49	161	.13	3	1.87	.02	.07	<2	1
L26+00E 1+35N	2	31	4	112	<.3	64	20	1255	3.92	9	<5	<2	2	30	.3	2	<2	74	.52	.062	8	87	1.65	142	.13	<3	1.78	.02	.06	<2	1
L30+00E 0+65S	2	44	6	121	<.3	67	20	1161	3.94	10	<5	<2	2	33	.3	<2	<2	73	.60	.066	10	81	1.46	183	.10	<3	1.83	.02	.07	<2	2
L30+00E 3+00S	4	21	4	118	<.3	43	22	3992	5.33	6	<5	<2	2	42	.9	<2	<2	71	.65	.058	15	53	.93	326	.08	<3	1.78	.01	.05	<2	119
STANDARD C2/AU-S	21	60	42	144	7.0	72	36	1203	3.85	35	22	8	37	52	19.9	16	19	73	.55	.103	39	67	1.03	199	.08	27	2.00	.06	.14	12	47

Sample type: SILT. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

SILT SAMPLES

G. Belik & Assoc. Ltd. PROJECT KUTCHO FILE # 96-4761

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L17+00W 16+00N	2	47	10	138	.3	78	15	574	3.57	12	<5	<2	<2	51	.3	<2	<2	63	.71	.116	16	98	1.51	120	.07	3	2.00	.01	.06	<2
L17+00W 15+50N	3	22	10	65	.3	22	4	414	5.39	<2	<5	<2	2	7	.2	2	<2	81	.11	.090	14	53	.40	50	.37	<3	3.14	.01	.02	<2
L17+00W 15+00N	2	27	10	88	<.3	59	9	429	3.72	6	<5	<2	<2	16	.2	3	2	85	.27	.065	7	90	1.23	82	.17	<3	2.03	.01	.05	<2
L17+00W 14+50N	2	64	15	175	.3	104	22	950	5.41	5	<5	<2	2	34	.7	3	<2	100	.55	.073	17	115	1.57	255	.21	<3	3.40	.01	.10	<2
L17+00W 14+00N	2	95	11	175	.6	153	22	900	5.38	8	<5	<2	<2	44	.3	<2	2	92	.68	.093	14	140	1.95	328	.07	3	3.89	.01	.11	<2
L17+00W 13+50N	2	34	10	126	<.3	69	11	485	4.46	4	7	<2	<2	22	.2	3	<2	89	.31	.045	6	107	1.43	131	.13	<3	2.70	.01	.07	<2
L17+00W 13+00N	3	55	10	150	<.3	90	12	511	4.78	4	<5	<2	2	26	.3	<2	<2	86	.37	.070	16	95	1.19	237	.24	<3	3.56	.01	.07	<2
L17+00W 12+50N	4	19	15	94	<.3	38	9	542	4.71	<2	<5	<2	3	10	<.2	<2	<2	63	.33	.071	14	47	.81	61	.34	<3	4.01	.03	.03	<2
L17+00W 12+00N	3	19	11	81	<.3	43	9	426	4.32	14	<5	<2	<2	11	<.2	3	<2	76	.18	.060	5	77	1.15	44	.12	<3	1.58	<.01	.03	<2
L17+00W 11+50N	3	14	13	67	.4	32	5	294	4.47	8	<5	<2	<2	10	.2	<2	<2	83	.18	.052	8	70	.93	53	.13	<3	1.97	.01	.03	<2
L17+00W 11+00N	5	10	15	86	.3	16	2	420	4.23	4	<5	<2	2	7	<.2	<2	2	64	.06	.060	17	39	.42	57	.17	<3	2.08	.02	.04	<2
L17+00W 10+50N	3	16	12	75	<.3	43	8	356	4.82	25	<5	<2	<2	12	<.2	<2	<2	116	.16	.057	5	85	1.09	55	.17	<3	1.75	.01	.04	<2
RE L17+00W 10+50N	3	15	12	72	<.3	41	8	343	4.70	23	<5	<2	<2	12	.2	4	<2	113	.16	.055	5	83	1.04	51	.17	<3	1.68	.01	.04	<2
L17+00W 10+00N	3	21	9	76	<.3	57	11	384	4.63	6	<5	<2	<2	14	<.2	2	<2	79	.28	.068	6	100	1.41	76	.13	<3	2.39	.01	.03	<2
L17+00W 9+50N	3	38	10	155	.3	61	9	857	5.83	2	<5	<2	3	13	.2	3	2	90	.11	.090	26	81	.87	87	.35	<3	4.44	.01	.05	<2
L17+00W 9+00N	6	72	25	143	.6	74	25	2367	6.10	68	<5	<2	<2	10	<.2	<2	2	57	.05	.103	11	64	1.06	60	.09	<3	2.93	.01	.03	<2
L17+00W 8+50N	3	16	21	179	.6	53	8	457	4.95	2	<5	<2	2	20	.5	2	<2	68	.27	.094	23	61	.78	84	.27	<3	3.91	.01	.03	<2
L17+00W 8+00N	3	50	17	94	.4	113	16	704	5.18	12	<5	<2	3	63	.4	<2	<2	68	.81	.053	30	89	1.56	101	.18	<3	2.84	.02	.06	<2
L17+00W 7+50N	2	126	15	110	1.1	107	13	735	4.53	9	<5	<2	2	120	.8	<2	2	47	1.63	.132	48	64	1.15	98	.10	<3	2.49	.02	.05	<2
L17+00W 7+00N	4	32	10	165	<.3	67	10	448	5.09	<2	<5	<2	<2	94	.6	<2	<2	49	1.09	.118	8	59	1.42	118	.02	<3	3.13	.01	.04	<2
L17+00W 6+50N	4	68	28	101	<.3	144	23	1146	9.26	4	<5	<2	2	9	.5	<2	<2	135	.11	.108	10	166	2.05	63	.15	<3	3.41	.01	.06	<2
L17+00W 6+00N	3	60	21	148	.4	143	28	1523	7.15	5	<5	<2	2	17	<.2	<2	<2	106	.20	.115	8	158	2.35	68	.14	<3	2.98	.01	.07	<2
L16+00W 16+00N	2	34	8	111	<.3	65	13	606	3.79	7	<5	<2	<2	32	.6	2	2	78	.64	.056	7	86	1.35	146	.18	<3	1.98	.01	.07	<2
L16+00W 15+50N	2	46	17	99	<.3	69	11	423	4.42	6	<5	<2	<2	17	.2	2	<2	94	.17	.051	10	95	1.19	163	.13	<3	3.27	.01	.08	<2
L16+00W 15+00N	3	13	10	59	<.3	31	5	294	4.35	4	<5	<2	<2	10	<.2	2	<2	90	.11	.047	8	69	.83	53	.14	<3	1.86	.01	.03	<2
L16+00W 14+50N	4	54	17	159	.4	93	18	1010	6.11	3	<5	<2	2	55	.6	<2	<2	94	.81	.088	16	96	1.30	202	.30	<3	4.26	.02	.08	<2
L16+00W 14+00N	3	35	10	168	<.3	79	19	1497	3.71	5	<5	<2	<2	61	.5	<2	<2	67	.97	.072	10	96	1.27	210	.09	<3	2.81	.01	.07	<2
L16+00W 13+50N	3	14	7	121	<.3	51	14	719	5.94	<2	<5	<2	4	12	.2	<2	<2	89	.47	.081	19	53	1.32	70	.58	<3	4.16	.04	.04	<2
L16+00W 13+00N	4	13	12	77	.3	23	4	503	5.62	<2	<5	<2	<2	10	<.2	3	<2	130	.12	.056	14	70	.45	66	.51	<3	1.92	.02	.03	<2
L16+00W 12+50N	3	16	13	68	<.3	37	6	451	5.04	<2	<5	<2	<2	13	<.2	2	<2	95	.18	.068	9	80	.86	71	.23	<3	2.46	.01	.03	<2
L16+00W 12+00N	3	16	9	78	<.3	43	10	443	5.33	6	<5	<2	<2	11	.3	2	<2	109	.19	.063	6	85	1.42	72	.17	<3	2.09	.01	.07	<2
L16+00W 11+50N	2	15	8	73	<.3	37	6	346	4.92	2	<5	<2	<2	9	<.2	<2	<2	65	.16	.061	11	74	.92	58	.10	<3	3.04	.01	.03	<2
L16+00W 11+00N	3	31	13	122	.7	54	10	486	6.20	52	<5	<2	<2	9	.4	<2	<2	76	.14	.090	6	102	1.34	54	.09	<3	2.56	<.01	.03	<2
L16+00W 10+50N	3	33	12	86	.3	70	12	470	5.32	40	<5	<2	<2	13	<.2	4	<2	78	.25	.088	6	99	1.39	58	.09	<3	2.30	.01	.03	<2
L16+00W 10+00N	3	20	11	82	.4	48	9	528	6.44	10	<5	<2	<2	11	.2	<2	<2	108	.14	.069	8	98	1.08	66	.18	<3	2.25	.01	.03	<2
STANDARD C2	20	57	42	140	6.8	70	35	1169	3.74	39	21	8	35	50	19.0	17	18	70	.52	.106	38	61	.97	186	.08	27	1.92	.06	.14	11

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

SOILS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L16+00W 9+50N	3	32	10	124	<.3	70	15	734	4.77	3	<5	<2	<2	40	<.2	<2	<2	108	.49	.052	7	117	1.56	147	.12	<3	2.93	.01	.06	<2
L16+00W 9+00N	2	85	13	98	<.3	161	23	797	5.06	9	<5	<2	2	22	.4	2	<2	90	.37	.084	10	132	2.15	74	.19	4	2.27	.01	.04	<2
L16+00W 8+50N	3	42	12	155	<.3	104	25	890	5.85	5	<5	<2	<2	47	.5	3	<2	103	.59	.087	9	135	1.90	79	.18	<3	2.57	.01	.05	<2
L16+00W 8+00N	4	28	13	94	.4	64	11	716	6.46	<2	<5	<2	<2	5	<.2	2	<2	168	.04	.089	12	139	1.64	60	.19	<3	3.22	.01	.06	<2
L16+00W 7+50N	5	15	19	62	1.0	28	4	682	5.93	4	<5	<2	<2	53	.2	<2	<2	26	.63	.097	17	35	.42	36	.08	<3	3.50	.02	.03	<2
L16+00W 7+00N	5	34	20	137	.6	165	15	1462	5.94	17	<5	<2	2	104	.9	2	<2	44	1.19	.118	31	57	1.02	119	.08	<3	3.27	.02	.05	<2
L16+00W 6+50N	3	175	29	190	1.4	151	28	1784	6.19	22	<5	<2	2	184	1.8	<2	2	33	2.13	.161	62	46	.66	132	.06	<3	3.42	.02	.05	<2
L16+00W 6+00N	3	64	28	164	.6	81	12	399	6.34	13	<5	<2	2	52	.6	<2	<2	72	.56	.089	22	80	1.01	68	.24	<3	3.36	.01	.05	<2
L15+00W 16+00N	2	23	11	63	<.3	49	7	321	3.22	6	<5	<2	<2	16	<.2	2	<2	79	.24	.068	8	83	1.06	66	.16	<3	1.71	.01	.05	<2
L15+00W 15+50N	2	18	9	92	<.3	48	9	409	4.98	3	<5	<2	2	12	<.2	3	<2	81	.17	.061	8	95	1.40	79	.13	<3	3.29	.01	.05	<2
L15+00W 15+00N	2	24	6	77	<.3	55	10	429	4.66	<2	<5	<2	<2	13	<.2	2	<2	86	.20	.053	6	105	1.50	78	.14	<3	3.22	.01	.05	<2
L15+00W 14+50N	3	19	8	84	<.3	42	7	405	5.60	<2	<5	<2	3	10	<.2	<2	<2	80	.15	.069	14	85	.90	73	.18	<3	3.65	.01	.04	<2
L15+00W 14+00N	3	40	4	137	.4	58	15	678	6.55	<2	<5	<2	5	18	<.2	<2	<2	89	.49	.071	33	59	1.03	139	.53	<3	5.35	.05	.06	<2
RE L15+00W 14+00N	3	42	6	142	.4	59	15	700	6.80	<2	<5	<2	5	19	.5	<2	<2	92	.51	.075	35	61	1.05	146	.55	<3	5.58	.06	.06	<2
L15+00W 13+50N	2	11	9	52	<.3	30	6	272	3.23	<2	<5	<2	<2	12	<.2	<2	<2	132	.13	.030	5	68	.74	52	.16	<3	1.60	.01	.03	<2
L15+00W 13+00N	3	42	8	203	.4	74	16	1079	5.03	2	<5	<2	<2	72	.4	<2	<2	89	.94	.082	15	109	1.63	224	.06	<3	3.74	.01	.11	<2
L15+00W 12+50N	2	23	7	83	<.3	54	10	468	3.84	3	<5	<2	<2	19	<.2	4	<2	88	.26	.041	7	89	1.36	120	.17	<3	2.01	.01	.05	<2
L15+00W 12+00N	2	9	14	49	<.3	19	4	239	2.64	<2	<5	<2	<2	12	<.2	2	<2	87	.11	.028	10	54	.63	54	.21	<3	1.51	.01	.04	<2
L15+00W 11+50N	3	18	12	81	<.3	43	9	629	6.03	3	<5	<2	2	11	<.2	2	<2	136	.12	.053	6	92	1.16	59	.22	<3	2.28	.01	.04	<2
L15+00W 11+00N	3	18	7	77	<.3	45	9	454	4.87	3	<5	<2	<2	13	<.2	3	<2	113	.16	.076	8	83	1.16	64	.14	<3	1.95	.01	.07	<2
L15+00W 10+50N	3	27	10	87	<.3	51	9	387	4.21	6	<5	<2	<2	13	<.2	3	<2	108	.13	.057	10	84	1.04	76	.13	<3	2.31	.01	.08	<2
L15+00W 10+00N	2	42	10	123	<.3	84	16	845	4.13	14	<5	<2	<2	71	.4	3	<2	77	.87	.086	10	109	1.53	160	.07	<3	2.56	.01	.06	<2
L15+00W 9+50N	2	47	8	141	.4	99	18	949	4.36	5	<5	<2	2	53	.5	<2	<2	76	.70	.087	18	99	1.52	160	.18	3	2.55	.02	.06	<2
L15+00W 9+00N	2	26	7	142	<.3	80	20	1016	4.84	3	<5	<2	2	79	.4	<2	<2	83	1.05	.074	15	88	1.57	130	.24	3	2.65	.02	.06	<2
L15+00W 8+50N	1	51	7	83	.3	94	21	840	4.12	4	<5	<2	2	45	.3	2	<2	81	.65	.083	13	98	1.56	116	.18	<3	2.01	.01	.05	<2
L15+00W 8+00N	3	15	11	93	.6	41	6	267	4.33	5	<5	<2	<2	16	.2	<2	<2	67	.20	.060	12	92	1.13	83	.11	<3	2.77	.01	.03	<2
L15+00W 7+50N	3	60	12	147	<.3	151	22	710	5.94	<2	<5	<2	<2	52	.2	<2	<2	93	.52	.082	9	166	2.33	100	.13	4	3.33	.01	.05	<2
L15+00W 7+00N	2	9	8	47	.4	23	4	4010	1.37	3	<5	<2	<2	1478	1.0	<2	<2	11	36.45	.046	5	16	.37	104	.01	<3	.38	<.01	.01	2
L15+00W 6+50N	4	61	17	88	<.3	136	22	874	7.49	11	<5	<2	<2	17	<.2	<2	3	98	.24	.088	10	157	1.51	102	.12	<3	3.10	.01	.05	<2
L15+00W 6+00N	5	19	15	105	<.3	42	9	753	6.37	<2	<5	<2	<2	8	<.2	<2	2	107	.07	.043	13	141	1.43	62	.14	<3	3.16	.01	.05	<2
L14+00W 16+00N	3	22	20	79	<.3	23	5	580	5.01	7	<5	<2	<2	10	<.2	<2	<2	84	.10	.073	20	51	.39	98	.31	<3	2.39	.01	.03	<2
L14+00W 15+50N	4	47	19	141	.3	73	15	1225	5.53	31	<5	<2	<2	22	.2	2	2	79	.32	.096	21	80	1.00	173	.15	3	2.99	.01	.05	<2
L14+00W 15+00N	4	29	15	84	<.3	44	7	655	4.81	27	<5	<2	<2	10	<.2	2	<2	133	.06	.062	8	61	.72	106	.11	<3	1.82	.01	.05	<2
L14+00W 14+50N	5	92	37	115	.7	106	33	3371	9.91	94	<5	<2	<2	15	.2	2	<2	90	.19	.089	7	102	.94	142	.09	<3	2.04	.01	.04	<2
L14+00W 14+00N	4	55	11	253	.8	79	16	1268	6.98	4	<5	<2	4	62	.3	<2	<2	83	.96	.098	31	72	.88	208	.38	<3	4.62	.03	.07	<2
STANDARD C2	21	60	45	144	7.1	70	36	1192	3.89	38	16	8	36	52	19.3	16	19	73	.53	.108	40	65	1.00	202	.08	29	2.03	.06	.14	11

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L14+00W 13+50N	1	42	8	83	<.3	81	14	634	3.54	6	<5	<2	<2	35	<.2	3	<2	75	.50	.043	12	97	1.63	134	.11	4	2.07	.01	.05	<2
L14+00W 13+00N	4	41	17	165	.3	78	13	1521	6.30	6	<5	<2	2	89	.6	<2	<2	63	1.08	.085	27	102	.98	281	.10	4	4.41	.02	.10	<2
L14+00W 12+50N	6	37	15	258	.5	45	6	1342	6.08	<2	<5	<2	2	16	.6	<2	<2	68	.23	.073	31	60	.60	119	.17	<3	3.58	.02	.08	<2
L14+00W 12+00N	6	26	14	106	<.3	45	11	917	4.42	30	<5	<2	<2	20	<.2	<2	<2	97	.24	.075	9	70	.87	118	.17	3	1.68	.01	.05	<2
L14+00W 11+50N	3	14	11	74	<.3	17	3	319	2.81	5	<5	<2	<2	11	<.2	<2	<2	88	.07	.036	9	49	.40	58	.17	<3	1.25	.01	.05	<2
L14+00W 11+00N	5	89	22	1866	.4	64	15	915	6.11	35	<5	<2	<2	60	3.4	<2	<2	78	.83	.094	23	79	.66	121	.11	<3	3.81	.01	.07	<2
L14+00W 10+50N	1	29	11	109	<.3	73	14	482	3.79	7	<5	<2	<2	92	.3	3	<2	67	1.14	.087	12	88	1.34	167	.10	3	2.40	.02	.05	<2
L14+00W 10+00N	2	28	12	229	<.3	71	15	1000	6.44	<2	<5	<2	2	23	.5	<2	<2	91	.23	.064	19	87	.99	127	.36	<3	3.98	.02	.04	<2
L14+00W 9+50N	3	70	18	110	.5	97	20	1180	6.37	7	<5	<2	2	10	.5	2	<2	77	.11	.054	6	125	1.70	83	.13	3	2.42	.01	.06	<2
L14+00W 9+00N	25	67	16	197	.3	60	10	424	5.99	178	<5	<2	<2	7	<.2	<2	<2	17	.03	.109	5	5	.06	32	<.01	<3	.65	<.01	.02	<2
L14+00W 8+50N	9	38	18	80	.4	39	9	543	5.89	89	<5	<2	<2	6	<.2	<2	<2	38	.03	.078	4	29	.25	51	.03	<3	1.18	.01	.02	<2
L14+00W 8+00N	2	49	13	147	<.3	105	17	549	4.05	18	<5	<2	<2	20	.4	3	<2	78	.35	.081	8	104	1.64	99	.09	3	2.37	.01	.04	<2
L14+00W 7+50N	13	62	25	210	1.0	126	26	794	7.02	186	<5	<2	<2	10	.5	6	5	23	.12	.097	11	27	.28	67	.04	<3	1.34	.01	.02	<2
L14+00W 7+00N	2	19	13	104	.3	40	8	551	4.70	<2	<5	<2	<2	18	.2	<2	<2	94	.15	.039	13	83	.95	126	.15	<3	2.39	.01	.04	<2
L14+00W 6+50N	2	24	15	90	.4	39	7	345	4.12	<2	<5	<2	<2	14	.8	<2	<2	75	.11	.052	16	74	.80	175	.14	<3	2.12	.01	.06	<2
L14+00W 6+00N	2	51	12	82	<.3	96	19	727	4.19	11	<5	<2	<2	30	.5	<2	<2	88	.45	.071	7	113	1.65	115	.11	3	2.12	.01	.05	<2
L13+00W 16+00N	4	32	15	87	<.3	42	11	642	7.39	26	<5	<2	<2	11	.2	<2	<2	112	.13	.053	7	60	.74	60	.23	<3	1.63	.01	.03	<2
L13+00W 15+50N	3	64	18	163	.4	38	8	645	5.04	5	<5	<2	<2	16	.5	<2	<2	83	.24	.086	29	54	.62	202	.12	<3	3.49	.01	.07	<2
L13+00W 15+00N	3	29	11	123	.3	42	13	690	5.38	<2	<5	<2	4	26	.3	<2	<2	81	.55	.073	28	44	.80	116	.51	<3	3.65	.04	.03	<2
L13+00W 14+50N	3	59	12	196	.9	79	11	940	4.78	<2	<5	<2	<2	46	.3	<2	<2	60	.69	.081	67	69	.97	283	.04	3	4.74	.01	.11	<2
L13+00W 14+00N	3	48	17	191	.6	67	11	552	5.39	4	<5	<2	<2	26	.4	2	<2	93	.35	.035	25	62	.94	239	.12	<3	3.42	.01	.10	<2
L13+00W 13+50N	4	38	13	241	.3	53	12	1631	5.46	<2	<5	<2	<2	67	.8	<2	<2	53	.99	.135	54	69	.77	182	.12	<3	4.22	.02	.06	<2
L13+00W 13+00N	2	67	12	231	1.5	76	9	644	4.87	3	<5	<2	2	99	.8	<2	<2	49	1.37	.079	41	135	.98	207	.18	3	4.01	.03	.08	<2
L13+00W 12+50N	3	38	14	117	.3	31	5	596	4.75	<2	<5	<2	2	55	.5	<2	<2	54	.73	.087	41	42	.54	114	.23	<3	2.64	.02	.05	<2
RE L13+00W 12+50N	4	37	12	112	.3	30	4	580	4.62	<2	<5	<2	<2	53	.3	<2	<2	52	.71	.085	39	40	.52	110	.22	<3	2.55	.02	.05	<2
L13+00W 12+00N	2	5	7	23	<.3	3	1	108	1.16	<2	<5	<2	<2	4	<.2	2	<2	31	.03	.016	6	7	.26	19	.04	<3	.70	.01	.03	<2
L13+00W 11+50N	3	1442	33	698	.8	46	10	1724	5.54	25	<5	<2	<2	114	2.3	<2	2	33	1.55	.088	34	34	.42	129	.11	3	3.19	.02	.05	<2
L13+00W 11+00N	2	38	13	348	.9	21	2	361	3.38	14	<5	<2	<2	132	.9	<2	<2	21	1.93	.153	21	27	.30	115	.04	5	2.26	.01	.05	<2
L13+00W 10+50N	2	24	14	329	<.3	39	9	767	3.36	11	<5	<2	<2	102	.4	<2	<2	56	1.32	.063	8	58	.74	137	.06	<3	1.86	.01	.05	<2
L13+00W 10+00N	1	38	10	458	.5	43	8	841	3.74	11	<5	<2	<2	29	1.1	2	<2	49	.53	.079	15	45	.57	124	.07	<3	2.01	.01	.03	<2
L13+00W 9+50N	3	203	8	162	<.3	35	13	799	5.22	7	<5	<2	2	39	.4	<2	<2	38	.54	.047	14	30	1.10	87	.24	<3	1.67	.02	.04	<2
L13+00W 9+00N	5	12	8	77	<.3	13	2	189	3.81	4	<5	<2	<2	6	<.2	<2	<2	88	.03	.021	9	28	.15	35	.19	<3	1.11	.01	.02	<2
L13+00W 8+50N	3	11	16	120	<.3	12	1	407	6.08	4	<5	<2	2	17	.5	2	<2	17	.13	.060	14	18	.17	36	.06	<3	1.83	.01	.03	<2
L13+00W 8+00N	5	26	5	171	<.3	15	8	245	5.14	57	<5	<2	<2	4	<.2	3	<2	14	.01	.058	3	5	.03	24	<.01	<3	.66	.01	.01	<2
L13+00W 7+50N	2	25	17	255	.4	43	10	1307	4.08	13	<5	<2	2	151	1.7	<2	<2	31	2.47	.101	26	29	.49	115	.07	<3	2.11	.01	.04	<2
STANDARD C2	21	59	43	145	7.3	73	36	1224	3.91	38	19	8	37	52	19.9	17	20	74	.54	.109	40	64	1.00	200	.08	27	2.04	.06	.14	11

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L13+00W 7+00N	3	56	10	106	.7	27	7	1501	2.16	11	<5	<2	<2	198	1.1	<2	<2	15	2.76	.158	10	15	.17	136	.02	3	1.01	.01	.02	<2
L13+00W 6+50N	4	44	17	82	<.3	90	12	406	5.11	37	<5	<2	<2	3	<.2	5	<2	67	.02	.058	6	42	.80	44	.04	<3	1.80	<.01	.03	<2
L13+00W 6+00N	10	243	58	260	1.1	219	38	1603	13.34	500	8	<2	4	115	3.8	<2	<2	59	1.77	.118	37	48	.60	73	.11	3	2.82	.02	.03	<2
L12+00W 16+00N	4	74	18	186	.4	69	22	1653	4.77	43	<5	<2	2	59	1.1	<2	<2	58	1.52	.090	18	57	.76	132	.07	4	1.81	.02	.05	<2
L12+00W 15+50N	4	73	18	185	.6	55	24	2397	5.01	30	<5	<2	<2	46	1.5	<2	3	59	.88	.106	35	50	.59	139	.10	3	1.74	.01	.04	<2
L12+00W 15+00N	4	38	19	98	.3	41	11	1109	6.65	33	5	<2	2	27	.9	2	<2	144	.47	.055	14	65	.75	184	.19	<3	2.02	.01	.04	<2
L12+00W 14+50N	4	51	18	227	.7	50	16	1462	6.33	28	<5	<2	<2	24	.9	2	<2	62	.32	.110	35	48	.58	124	.09	3	2.77	.01	.05	<2
L12+00W 14+00N	5	105	23	265	<.3	104	14	996	5.70	9	<5	<2	2	35	.9	3	<2	48	.55	.156	194	75	.87	343	.04	3	5.13	.01	.11	<2
L12+00W 13+50N	1	5	3	67	<.3	3	1	158	1.79	<2	<5	<2	<2	3	<.2	3	<2	23	.02	.014	7	6	.05	15	.01	<3	.64	<.01	.03	<2
L12+00W 13+00N	5	9	18	57	<.3	15	1	199	5.52	<2	6	<2	2	12	<.2	4	2	94	.12	.030	15	44	.33	50	.30	<3	2.34	.01	.03	<2
L12+00W 12+50N	2	84	11	883	.6	94	14	639	4.66	11	<5	<2	<2	95	1.3	2	<2	63	1.23	.091	35	94	1.43	227	.08	3	3.35	.02	.07	<2
L12+00W 12+00N	5	23	18	226	<.3	31	7	889	9.05	4	<5	<2	5	6	.3	2	<2	129	.07	.033	11	76	.54	56	.61	<3	2.37	.01	.02	<2
L12+00W 11+50N	5	50	21	149	<.3	10	1	338	3.78	9	<5	<2	2	43	.3	3	<2	69	.48	.022	13	27	.45	110	.17	<3	1.25	.01	.04	<2
L12+00W 11+00N	3	189	54	701	.6	18	13	5055	3.80	21	<5	<2	4	56	2.9	<2	3	19	.80	.084	21	19	.23	104	.04	<3	4.92	.01	.04	<2
L12+00W 10+50N	3	10	10	59	<.3	8	2	187	2.52	4	<5	<2	<2	4	<.2	2	<2	62	.02	.039	8	16	.24	25	.07	<3	1.16	.01	.02	<2
RE L12+00W 10+50N	3	10	8	59	<.3	7	2	186	2.58	3	<5	<2	<2	4	<.2	3	<2	64	.02	.039	8	16	.24	25	.07	<3	1.18	.01	.02	<2
L12+00W 10+00N	3	335	12	1416	.4	23	5	1669	3.62	140	<5	<2	<2	50	4.0	2	2	22	.82	.090	26	24	.46	96	.04	3	2.17	.01	.05	<2
L12+00W 9+50N	2	76	11	147	.6	66	16	1077	5.76	<2	6	<2	5	102	.6	<2	<2	68	1.74	.081	40	47	1.04	132	.43	3	3.23	.06	.05	<2
L12+00W 9+00N	4	12	18	182	.3	30	8	666	5.72	<2	<5	<2	3	73	1.1	<2	<2	60	1.59	.070	16	37	.51	89	.19	<3	2.89	.02	.03	<2
L12+00W 8+50N	3	18	16	203	.8	51	13	1207	5.84	6	17	<2	4	30	1.0	2	<2	54	1.13	.135	40	43	1.23	102	.25	<3	4.66	.03	.03	<2
L12+00W 8+00N	2	10	7	144	<.3	25	6	541	4.04	<2	<5	<2	2	68	.3	<2	<2	24	.93	.052	21	23	.34	73	.07	<3	3.09	.01	.02	<2
L12+00W 7+50N	6	225	20	229	.5	267	39	1549	7.18	160	<5	<2	2	68	1.1	<2	<2	57	.69	.102	18	82	1.18	112	.07	<3	1.88	.01	.05	<2
L12+00W 7+00N	2	73	13	129	<.3	83	18	833	5.45	<2	<5	<2	<2	16	.2	2	<2	93	.26	.094	7	77	1.56	108	.09	<3	2.97	.01	.08	<2
L12+00W 6+50N	3	37	12	117	<.3	53	12	458	4.75	2	<5	<2	<2	19	.3	3	2	94	.20	.059	7	63	1.44	169	.06	3	3.44	.01	.07	<2
L12+00W 6+00N	3	19	14	139	<.3	62	12	526	5.13	6	<5	<2	5	21	1.0	<2	<2	80	.65	.037	17	70	.94	122	.23	<3	3.83	.02	.04	<2
L11+00W 16+00N	4	19	11	151	<.3	30	7	832	6.57	16	<5	<2	3	12	<.2	<2	<2	91	.17	.070	18	55	.64	81	.32	<3	2.07	.01	.04	<2
L11+00W 15+50N	3	80	14	460	<.3	61	13	1087	4.46	8	<5	<2	<2	108	1.2	<2	2	52	1.60	.083	84	65	.97	185	.10	3	3.09	.02	.08	<2
L11+00W 15+00N	2	29	8	195	<.3	52	8	384	3.58	4	<5	<2	2	60	.3	<2	<2	56	.70	.051	50	62	1.00	116	.14	3	2.20	.02	.05	<2
L11+00W 14+50N	7	15	19	227	<.3	17	1	439	6.57	<2	<5	<2	3	16	.2	<2	<2	52	.17	.050	30	31	.31	60	.19	<3	3.31	.02	.04	<2
L11+00W 14+00N	3	13	16	119	<.3	15	2	307	5.08	<2	<5	<2	2	11	<.2	<2	<2	41	.14	.054	31	29	.25	44	.14	<3	3.10	.01	.02	<2
L11+00W 13+00N	3	119	15	634	.5	37	8	677	3.61	16	<5	<2	<2	55	2.0	<2	<2	39	.71	.054	17	38	.65	96	.06	<3	1.31	.01	.03	<2
L11+00W 12+50N	1	28	26	426	<.3	14	5	758	3.15	80	<5	<2	<2	16	.6	<2	<2	32	.22	.028	13	28	.55	67	.04	<3	1.12	<.01	.02	<2
L11+00W 12+00N	1	25	8	172	<.3	13	2	644	2.53	22	<5	<2	<2	9	.4	<2	5	33	.07	.034	17	22	.30	62	.03	<3	1.12	.01	.03	<2
L11+00W 11+50N	3	41	14	91	.5	14	4	2229	1.48	18	<5	<2	<2	180	2.3	<2	<2	16	2.65	.111	18	13	.19	151	.02	3	.88	.01	.03	<2
L11+00W 11+00N	35	48	49	364	.8	5	2	318	8.13	259	6	<2	3	39	1.0	<2	2	22	.47	.051	17	11	.08	57	.08	<3	1.30	.01	.03	<2
STANDARD C2	21	60	41	146	7.1	74	37	1196	3.85	38	21	8	37	53	19.9	18	20	74	.54	.109	39	64	1.00	203	.08	28	1.98	.06	.14	10

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L11+00W 10+50N	4	82	17	400	<.3	57	20	1456	5.75	53	<5	<2	<2	80	1.4	2	<2	87	1.10	.076	9	62	.79	187	.06	3	1.70	.01	.06	<2
L11+00W 10+00N	3	326	14	334	.9	40	13	1776	3.43	24	<5	<2	<2	110	2.8	<2	<2	36	2.06	.230	48	36	.47	131	.05	4	2.39	.01	.05	<2
L11+00W 9+50N	4	39	23	87	<.3	41	8	492	5.75	31	<5	<2	2	12	<.2	<2	<2	128	.13	.064	11	53	.45	113	.32	<3	1.59	.01	.03	<2
L11+00W 9+00N	3	74	15	122	<.3	53	9	390	3.36	16	<5	<2	<2	43	.6	2	<2	65	.32	.074	16	47	.45	213	.07	<3	1.80	.01	.05	<2
L11+00W 8+50N	3	79	12	149	.3	112	21	984	4.68	34	<5	<2	<2	60	.5	6	<2	73	.60	.085	9	89	1.47	153	.08	<3	2.25	.01	.06	<2
L11+00W 8+00N	3	75	7	144	.3	104	22	895	4.75	39	<5	<2	<2	71	.7	4	<2	70	.92	.077	11	86	1.36	173	.07	<3	2.23	.01	.06	<2
L11+00W 7+50N	1	31	7	113	<.3	90	16	632	4.23	6	<5	<2	2	36	.3	5	<2	95	.50	.062	11	100	1.64	158	.17	4	2.48	.02	.07	<2
L11+00W 7+00N	7	28	13	108	.3	36	7	396	4.56	25	<5	<2	<2	5	<.2	3	<2	27	.01	.140	3	14	.05	48	<.01	<3	.75	<.01	.03	<2
L11+00W 6+50N	3	21	10	141	1.9	45	9	743	5.68	53	<5	<2	2	131	.9	2	<2	68	1.84	.092	15	40	.45	103	.30	<3	3.58	.02	.03	<2
L11+00W 6+00N	9	31	31	403	.8	97	14	3965	12.77	116	<5	<2	2	75	4.8	<2	<2	96	3.86	.212	27	50	.42	147	.02	<3	1.48	<.01	.03	<2
L10+00W 16+00N	1	15	8	66	<.3	9	4	297	3.08	2	<5	<2	<2	12	<.2	2	<2	23	.04	.029	11	11	.17	43	.01	<3	1.43	.01	.07	<2
L10+00W 15+50N	2	16	6	132	.5	23	8	608	3.93	<2	<5	<2	2	42	<.2	2	<2	36	.52	.050	26	26	.47	101	.06	<3	2.07	.01	.09	<2
RE L10+00W 15+50N	2	16	6	127	.4	24	7	594	3.83	<2	<5	<2	2	42	.2	<2	<2	35	.50	.048	26	25	.46	100	.06	<3	2.03	.01	.09	<2
L10+00W 15+00N	2	23	<3	168	<.3	49	15	779	6.78	<2	<5	<2	6	8	.5	<2	<2	92	.29	.081	21	53	1.10	59	.58	<3	6.75	.04	.04	<2
L10+00W 14+50N	5	23	15	130	<.3	28	6	595	8.49	2	6	<2	7	9	<.2	2	<2	83	.11	.060	18	57	.60	51	.38	<3	5.86	.02	.04	2
L10+00W 14+00N	3	32	41	157	<.3	24	4	582	7.77	8	<5	<2	3	6	.5	3	<2	76	.08	.064	9	55	.58	52	.26	<3	3.21	.01	.03	<2
L10+00W 13+50N	6	16	12	91	1.2	18	2	490	6.42	8	<5	<2	10	4	<.2	<2	<2	44	.07	.070	18	32	.39	44	.26	<3	5.28	.06	.06	2
L10+00W 13+00N	6	25	18	111	.5	32	7	767	10.27	20	<5	<2	4	6	.8	3	<2	110	.07	.167	13	63	.67	58	.41	<3	2.87	.01	.03	2
L10+00W 12+50N	3	34	21	247	<.3	20	4	581	7.17	4	<5	<2	2	6	.7	<2	2	70	.11	.085	17	47	.44	41	.28	<3	2.51	.01	.03	<2
L10+00W 12+00N	3	24	28	132	.3	12	1	259	4.71	<2	<5	<2	2	5	.3	<2	7	68	.06	.055	13	43	.27	34	.28	<3	2.62	.01	.02	<2
L10+00W 11+50N	2	16	9	182	<.3	26	8	377	3.18	3	<5	<2	<2	21	<.2	2	<2	43	.25	.044	18	55	.57	56	.06	<3	1.47	.01	.03	<2
L10+00W 11+00N	4	158	68	467	1.3	26	5	529	6.55	63	<5	<2	2	21	1.6	<2	<2	34	.23	.083	61	37	.27	73	.07	<3	5.44	.01	.04	<2
L10+00W 10+50N	2	61	11	759	.3	45	8	762	5.23	71	<5	<2	4	68	1.3	<2	<2	50	.95	.048	30	52	.91	113	.24	<3	3.06	.03	.05	<2
L10+00W 10+00N	3	242	16	374	1.0	93	15	1618	5.17	24	<5	<2	2	75	1.8	<2	<2	62	1.25	.105	50	57	.60	152	.12	<3	3.27	.02	.05	<2
L10+00W 9+50N	2	148	9	167	.5	197	25	1261	5.42	28	<5	<2	<2	68	1.1	3	<2	77	.86	.070	28	100	1.64	158	.14	<3	3.08	.02	.07	<2
L10+00W 9+00N	4	60	16	150	<.3	40	7	898	5.40	13	<5	<2	2	20	.3	<2	<2	40	.18	.108	27	36	.29	141	.07	<3	2.97	.01	.04	<2
L10+00W 8+50N	2	75	11	156	.4	129	18	652	4.32	34	<5	<2	<2	119	.6	<2	<2	60	1.55	.075	11	74	1.28	116	.08	<3	1.99	.01	.06	<2
L10+00W 8+00N	4	16	3	132	<.3	10	15	663	5.68	12	<5	<2	<2	50	<.2	<2	3	4	.56	.052	6	5	.08	61	<.01	<3	.41	.01	.02	<2
L10+00W 7+50N	1	55	6	109	<.3	72	18	621	4.71	4	<5	<2	<2	25	.2	3	<2	124	.27	.054	8	92	1.57	202	.11	4	3.61	.01	.10	<2
L10+00W 7+00N	1	40	9	95	<.3	82	17	687	4.56	5	<5	<2	<2	25	<.2	3	<2	120	.30	.040	6	113	1.62	152	.15	3	2.55	.01	.06	<2
L10+00W 6+50N	1	30	9	77	<.3	54	11	432	3.95	5	<5	<2	<2	22	<.2	3	<2	95	.25	.051	6	76	1.22	118	.11	<3	2.20	.01	.05	<2
L10+00W 6+00N	2	46	11	177	.3	73	17	615	4.37	12	<5	<2	3	31	1.4	<2	2	71	.84	.066	21	65	1.23	129	.07	<3	3.18	.01	.05	<2
L9+00W 16+00N	2	19	10	110	.3	36	7	605	6.33	<2	<5	<2	5	9	.2	<2	<2	77	.21	.071	42	46	.52	64	.41	<3	5.15	.03	.04	<2
L9+00W 15+50N	5	17	7	102	<.3	26	4	483	6.73	<2	<5	<2	5	8	<.2	<2	<2	100	.20	.061	22	51	.42	70	.58	<3	4.83	.03	.04	<2
L9+00W 15+00N	2	11	10	82	<.3	29	4	343	6.88	<2	<5	<2	5	7	.3	<2	<2	58	.14	.064	19	46	.53	59	.27	<3	6.20	.02	.04	3
STANDARD C2	20	58	37	138	6.6	70	34	1114	3.72	37	21	8	42	50	18.7	19	18	71	.52	.104	38	65	.96	192	.08	26	1.95	.06	.14	11

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L9+00W 14+50N	6	16	17	137	<.3	25	6	935	6.63	10	<5	<2	4	17	<.2	<2	<2	130	.21	.036	21	54	.65	79	.53	<3	1.87	.02	.04	<2
L9+00W 14+00N	5	18	15	74	<.3	11	<1	160	5.69	<2	<5	<2	3	6	<.2	2	2	63	.06	.046	18	27	.21	64	.13	<3	3.11	.01	.03	<2
L9+00W 13+50N	7	123	15	964	1.0	50	8	2162	4.96	2	<5	<2	<2	43	1.8	<2	<2	45	.70	.133	50	51	.89	281	.05	<3	4.25	.01	.07	<2
L9+00W 13+00N	5	42	9	1013	<.3	6	2	1251	6.07	10	<5	<2	<2	18	2.7	2	<2	22	.26	.051	12	15	.14	133	.02	<3	1.45	.01	.03	<2
L9+00W 12+50N	4	97	24	131	.4	55	28	2712	8.89	34	<5	<2	<2	11	.4	<2	<2	79	.11	.137	10	61	.86	92	.06	<3	2.98	.01	.04	<2
L9+00W 12+00N	3	46	5	112	<.3	36	8	400	4.74	19	<5	<2	<2	16	.3	5	<2	82	.20	.068	12	42	.90	82	.08	<3	1.39	.01	.04	<2
L9+00W 11+50N	6	46	16	202	<.3	35	15	891	7.24	33	<5	<2	2	42	.6	<2	<2	88	.50	.057	21	45	.93	257	.09	<3	2.62	.01	.03	<2
L9+00W 11+00N	4	15	9	89	<.3	16	4	348	4.75	7	<5	<2	<2	16	<.2	<2	<2	94	.18	.023	7	41	.58	111	.14	<3	1.88	.01	.03	<2
L9+00W 10+50N	2	80	11	273	.3	28	13	1000	3.15	13	<5	<2	<2	55	1.9	2	<2	45	.66	.102	27	41	.71	132	.04	<3	1.79	.01	.03	<2
L9+00W 10+00N	6	39	17	158	<.3	47	18	1045	7.46	47	6	<2	2	19	.8	4	2	82	.21	.099	8	57	.99	180	.10	<3	2.99	.01	.05	2
L9+00W 9+50N	4	23	17	86	<.3	22	6	593	5.37	15	<5	<2	<2	11	<.2	3	<2	126	.07	.066	11	47	.43	85	.18	<3	1.49	.01	.04	<2
L9+00W 9+00N	5	65	19	198	<.3	57	20	935	8.14	53	<5	<2	2	19	.5	4	<2	74	.26	.105	12	49	1.21	132	.06	<3	2.43	.01	.04	<2
L9+00W 8+50N	9	57	23	207	<.3	79	35	2046	7.98	84	<5	<2	2	44	1.5	<2	<2	61	.49	.125	17	50	.89	147	.05	<3	2.26	.01	.05	<2
L9+00W 8+00N	1	31	7	75	<.3	55	11	496	3.89	2	<5	<2	<2	23	.2	<2	<2	100	.25	.055	7	84	1.30	126	.11	3	2.63	.01	.04	<2
L9+00W 7+50N	1	35	6	85	<.3	58	12	561	4.00	6	<5	<2	<2	24	<.2	2	<2	92	.29	.059	6	75	1.40	108	.12	<3	2.16	.01	.05	<2
L9+00W 7+00N	3	22	13	89	<.3	43	8	434	4.50	2	<5	<2	2	13	.2	<2	<2	99	.13	.038	11	68	.94	103	.16	<3	2.90	.01	.06	<2
L9+00W 6+50N	1	19	8	65	<.3	37	7	339	3.10	<2	<5	<2	<2	19	<.2	2	<2	100	.18	.029	7	62	.97	129	.13	<3	2.02	.01	.05	<2
L9+00W 6+00N	4	18	19	1617	.3	14	9	3262	5.96	15	<5	<2	<2	36	13.2	<2	<2	36	2.27	.136	6	22	.09	76	.02	<3	1.04	.01	.01	<2
L9+00W 5+50N	4	20	33	552	.9	55	12	4997	5.28	81	<5	<2	<2	64	7.2	<2	<2	56	3.71	.193	54	45	.38	153	.05	<3	2.58	.01	.03	<2
RE L9+00W 5+50N	3	20	29	544	.9	53	11	4868	5.16	79	<5	<2	<2	63	6.6	<2	<2	56	3.61	.194	53	45	.38	150	.05	3	2.56	.01	.04	<2
L9+00W 5+00N	4	41	13	197	.7	41	9	650	6.80	<2	<5	<2	4	8	.9	<2	<2	65	.15	.075	19	46	.54	96	.26	<3	4.83	.02	.02	<2
L9+00W 4+50N	2	35	11	194	.5	48	13	710	6.04	<2	<5	<2	5	59	.6	<2	<2	84	.79	.073	37	42	.61	148	.55	<3	4.62	.05	.04	<2
L9+00W 4+00N	1	195	16	172	.3	150	15	1168	4.74	19	<5	<2	3	157	.9	<2	<2	33	1.70	.076	82	31	.84	139	.15	<3	2.92	.03	.06	<2
L9+00W 3+50N	3	87	16	255	.3	94	16	636	5.45	12	<5	<2	2	93	1.2	2	<2	68	.84	.067	39	68	1.34	183	.08	<3	3.42	.01	.06	<2
L9+00W 3+00N	6	35	19	160	<.3	26	6	476	5.38	11	<5	<2	2	58	.5	4	<2	88	.62	.053	20	45	.63	165	.23	<3	1.67	.01	.04	<2
L9+00W 2+50N	3	333	21	422	<.3	256	26	868	5.33	18	<5	<2	2	155	2.3	<2	<2	42	1.87	.120	228	54	1.19	241	.03	3	3.81	.01	.10	<2
L9+00W 2+00N	4	43	21	191	1.0	87	13	590	6.17	21	<5	<2	2	37	.7	<2	<2	41	.39	.059	23	46	.81	85	.09	<3	3.02	.02	.05	<2
L9+00W 1+50N	5	55	11	300	.4	154	24	950	4.97	26	<5	<2	<2	73	1.0	2	<2	79	1.06	.072	17	71	1.18	113	.07	<3	2.41	.01	.05	<2
L9+00W 1+00N	4	75	18	226	1.0	59	7	985	5.50	3	<5	<2	4	65	.8	<2	<2	31	.80	.077	69	25	.30	123	.11	<3	4.14	.02	.05	<2
L9+00W 0+50N	32	19	11	114	<.3	5	2	294	8.01	35	<5	<2	<2	5	<.2	4	2	16	.03	.042	12	6	.06	39	.02	<3	.93	<.01	.02	<2
L9+00W 0+00	11	10	<3	25	<.3	2	<1	124	4.09	<2	<5	<2	<2	4	<.2	<2	<2	7	.01	.050	8	3	.49	26	<.01	<3	.96	<.01	.02	<2
L9+00W 0+50S	5	37	9	92	<.3	31	7	395	7.33	<2	<5	<2	4	6	<.2	<2	<2	73	.08	.065	13	56	.58	53	.23	<3	6.06	.01	.03	2
L9+00W 1+00S	13	99	17	414	.7	36	10	777	6.01	<2	<5	<2	3	42	1.2	<2	<2	60	.73	.061	45	44	.63	86	.17	<3	3.58	.02	.06	<2
L9+00W 1+50S	30	30	14	151	<.3	21	15	485	9.31	3	<5	<2	3	26	.3	<2	<2	121	.44	.062	29	50	1.21	96	.20	<3	3.38	.01	.04	<2
L9+00W 2+00S	3	25	7	130	<.3	48	14	529	3.69	<2	<5	<2	<2	42	.6	<2	<2	95	.54	.042	10	55	1.22	158	.10	3	2.87	.01	.08	<2
STANDARD C2	20	57	40	141	6.9	69	34	1134	3.73	38	19	8	35	50	18.7	20	17	70	.53	.104	38	61	.96	186	.08	26	1.94	.06	.14	12

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

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L8+00W 16+00N	2	21	9	78	<.3	45	10	422	4.44	5	<5	<2	2	21	<.2	2	<2	88	.23	.061	9	74	1.20	134	.13	3	3.39	.01	.05	<2
L8+00W 15+00N	3	23	9	111	<.3	52	13	607	5.41	5	<5	<2	3	11	.3	2	<2	93	.17	.058	15	79	.93	73	.23	<3	3.57	.01	.04	<2
L8+00W 14+50N	5	50	12	214	<.3	42	7	904	4.94	2	<5	<2	<2	33	.6	<2	2	71	.49	.129	34	54	.60	172	.13	<3	3.14	.02	.07	2
L8+00W 14+00N	5	33	15	191	<.3	26	4	623	4.59	<2	<5	<2	2	23	.2	<2	<2	53	.34	.078	40	36	.41	108	.16	<3	3.19	.02	.06	<2
L8+00W 13+50N	6	27	11	197	<.3	39	8	687	6.01	<2	<5	<2	4	26	.3	<2	<2	84	.47	.065	26	47	.56	101	.49	<3	4.06	.03	.04	<2
L8+00W 13+00N	3	31	12	1072	<.3	37	13	1252	6.39	<2	12	<2	5	47	2.5	<2	<2	63	.77	.059	38	45	.77	131	.45	<3	4.08	.04	.06	<2
L8+00W 12+50N	2	69	7	1031	.3	38	10	1090	5.36	2	<5	<2	4	20	2.0	2	<2	57	.32	.049	25	40	.76	120	.32	<3	2.94	.02	.04	<2
L8+00W 12+00N	4	21	19	90	<.3	19	6	806	7.61	8	<5	<2	2	11	<.2	2	<2	169	.12	.055	13	54	.39	80	.53	<3	1.53	.01	.05	<2
L8+00W 11+50N	3	271	19	764	<.3	35	12	1410	5.41	4	<5	<2	<2	55	4.0	<2	<2	62	.83	.113	188	42	.59	134	.23	<3	4.76	.04	.05	<2
L8+00W 11+00N	1	64	10	287	.6	28	2	410	2.66	<2	<5	<2	<2	30	.4	<2	<2	11	.38	.080	87	15	.76	96	.03	<3	3.11	.01	.05	<2
L8+00W 10+50N	3	23	15	132	<.3	13	1	766	5.01	8	<5	<2	2	36	<.2	<2	<2	20	.45	.055	38	17	.44	78	.10	<3	1.79	.02	.05	<2
RE L8+00W 10+50N	3	24	15	135	<.3	14	1	789	5.05	9	<5	<2	2	36	<.2	<2	2	20	.46	.056	39	16	.45	79	.10	<3	1.82	.02	.05	<2
L8+00W 10+00N	4	111	10	140	.5	112	20	1622	4.81	27	5	<2	2	85	.8	<2	<2	66	1.01	.089	19	75	1.27	164	.08	3	2.25	.02	.07	<2
L8+00W 9+50N	1	31	4	72	<.3	40	10	440	3.09	5	<5	<2	2	33	<.2	<2	<2	79	.40	.075	7	51	1.05	120	.14	<3	1.71	.01	.05	<2
L8+00W 9+00N	6	23	18	100	<.3	25	20	2730	5.53	12	<5	<2	<2	13	.4	<2	<2	75	.12	.095	8	37	.38	127	.07	<3	2.37	.01	.03	<2
L8+00W 8+50N	5	95	16	232	.3	69	27	1210	7.96	71	<5	<2	2	16	.2	<2	<2	80	.21	.111	10	58	1.01	67	.04	<3	2.10	.01	.03	<2
L8+00W 8+00N	1	36	3	72	<.3	44	14	731	3.26	4	<5	<2	2	42	.2	<2	<2	79	.47	.078	11	61	1.19	137	.17	3	1.65	.02	.06	<2
L8+00W 7+50N	1	22	9	65	<.3	40	9	400	3.42	2	<5	<2	<2	25	<.2	<2	<2	83	.30	.062	8	64	1.09	134	.13	<3	2.26	.01	.03	<2
L8+00W 7+00N	2	31	8	106	<.3	49	13	624	4.68	<2	<5	<2	2	23	<.2	<2	<2	99	.27	.065	17	64	1.04	154	.26	<3	3.26	.02	.07	<2
L8+00W 6+50N	5	12	20	104	<.3	18	4	460	4.33	17	<5	<2	2	13	<.2	2	2	114	.11	.034	15	38	.40	72	.27	<3	1.33	.01	.05	<2
L8+00W 6+00N	3	63	5	103	.4	25	14	5556	3.44	13	<5	<2	<2	68	1.1	<2	<2	24	2.33	.179	12	15	.22	191	.02	<3	1.71	.01	.03	<2
L8+00W 5+50N	7	17	33	177	<.3	108	31	4703	7.55	168	8	<2	2	49	3.7	<2	2	53	2.99	.122	27	46	.27	135	.03	<3	2.33	.01	.06	<2
L8+00W 5+00N	2	22	7	78	<.3	30	4	231	2.51	22	<5	<2	<2	8	<.2	<2	<2	31	.19	.084	6	14	.05	51	<.01	<3	.58	.01	.03	<2
L8+00W 4+50N	2	15	10	56	<.3	22	4	183	2.48	5	<5	<2	<2	18	<.2	<2	<2	90	.12	.038	6	50	.37	64	.14	3	.97	.01	.04	<2
L8+00W 3+00N	2	18	11	69	.3	17	4	183	3.52	5	<5	<2	<2	7	<.2	<2	2	54	.03	.037	7	24	.22	62	.01	<3	1.43	.01	.05	2
L8+00W 2+50N	4	30	18	137	<.3	28	7	350	4.51	6	<5	<2	<2	16	.3	2	<2	72	.12	.052	8	34	.68	121	.04	3	1.93	.01	.05	<2
L8+00W 2+00N	3	17	8	72	.6	7	2	138	.87	<2	<5	<2	<2	15	1.3	<2	<2	25	.14	.068	4	8	.14	181	<.01	<3	.96	.01	.06	<2
L8+00W 1+50N	2	16	4	55	1.2	12	3	141	.68	4	<5	<2	<2	25	2.7	<2	<2	22	.19	.084	4	12	.07	245	<.01	3	.68	.01	.07	<2
L8+00W 1+00N	2	28	9	104	<.3	22	12	204	4.57	28	<5	<2	<2	27	<.2	<2	<2	109	.39	.028	4	27	.39	55	<.01	<3	1.36	.01	.02	<2
L8+00W 0+50N	6	46	7	376	.7	21	9	1101	5.26	<2	<5	<2	2	111	1.2	<2	<2	25	1.92	.210	29	23	.68	109	.05	<3	3.64	.02	.03	<2
L8+00W 0+00	4	527	11	2843	<.3	68	27	1691	5.67	3	<5	<2	3	90	8.6	<2	<2	60	1.74	.110	154	63	.82	243	.18	4	5.66	.04	.08	<2
L8+00W 0+50S	1	7	8	40	<.3	4	1	46	.75	<2	<5	<2	<2	6	<.2	<2	<2	22	.05	.056	7	9	.06	27	.03	<3	.56	.01	.06	<2
L8+00W 1+00S	5	128	8	129	<.3	24	37	499	5.74	<2	<5	<2	2	24	<.2	<2	<2	70	.75	.092	80	27	.84	35	.08	3	6.49	.01	.04	<2
L8+00W 1+50S	11	15	9	66	.3	10	<1	627	10.09	<2	<5	<2	3	5	<.2	3	2	131	.05	.060	14	26	2.11	20	.38	<3	3.83	.01	.02	<2
L8+00W 2+00S	2	18	10	82	<.3	20	6	715	4.45	3	<5	<2	<2	33	.2	2	<2	162	.23	.065	7	43	.51	248	.15	<3	1.68	.01	.10	<2
STANDARD C2	21	61	41	147	7.2	72	36	1176	3.84	41	20	9	38	54	20.0	19	19	75	.55	.110	40	66	1.00	209	.09	29	2.05	.06	.15	12

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L7+00W 16+00N	1	39	8	74	<.3	44	9	479	3.39	4	<5	<2	<2	26	<.2	2	<2	86	.32	.079	8	55	.97	98	.12	4	1.84	.01	.04	<2
L7+00W 15+50N	3	20	17	91	.3	31	8	830	7.51	4	<5	<2	<2	14	<.2	3	<2	201	.12	.139	7	67	.94	94	.25	<3	2.34	.01	.05	<2
L7+00W 14+50N	3	36	11	185	.5	48	11	394	4.94	9	<5	<2	<2	45	.8	<2	<2	100	.79	.041	13	85	1.01	180	.14	3	2.50	.01	.05	<2
L7+00W 13+50N	5	81	18	218	.9	75	17	740	6.63	<2	<5	<2	3	32	1.0	<2	2	84	.67	.083	80	67	.87	161	.43	<3	4.51	.03	.06	<2
L7+00W 13+00N	5	35	16	592	.5	52	10	644	6.50	<2	<5	<2	5	27	.7	<2	<2	78	.53	.061	31	53	.70	115	.44	<3	4.69	.03	.05	<2
RE L7+00W 13+00N	5	34	14	579	.5	52	9	634	6.38	<2	<5	<2	5	27	.6	<2	<2	77	.53	.062	31	53	.69	113	.44	<3	4.64	.03	.05	<2
L7+00W 12+50N	1	129	17	1686	.7	59	19	1190	6.88	<2	<5	<2	4	47	7.3	<2	<2	89	1.12	.079	68	53	1.41	114	.65	<3	4.37	.07	.04	<2
L7+00W 12+00N	2	145	19	1676	.3	40	10	2383	5.64	3	<5	<2	<2	30	3.7	2	2	40	.52	.063	73	36	.56	153	.15	<3	3.35	.02	.07	<2
L7+00W 11+50N	2	85	11	305	.4	41	11	878	4.17	<2	<5	<2	<2	43	1.0	<2	<2	78	.51	.089	58	54	.91	204	.15	<3	3.45	.02	.07	<2
L7+00W 11+00N	33	46	16	211	<.3	7	7	652	10.26	32	<5	<2	<2	7	<.2	<2	4	75	.05	.051	11	19	.13	48	.04	<3	1.34	.01	.04	<2
L7+00W 10+50N	1	11	22	109	<.3	7	2	227	1.21	<2	<5	<2	<2	23	.8	<2	<2	25	.20	.041	10	13	.22	98	.01	<3	1.31	.01	.08	<2
L7+00W 10+00N	1	29	7	126	<.3	43	14	644	3.52	3	<5	<2	<2	57	.3	2	<2	95	.92	.058	8	66	1.26	222	.12	3	2.31	.02	.07	<2
L7+00W 9+50N	1	13	9	61	<.3	24	5	321	2.70	5	<5	<2	<2	21	<.2	<2	<2	86	.20	.023	7	46	.88	86	.19	<3	1.84	.01	.04	<2
L7+00W 9+00N	1	15	10	64	<.3	24	6	292	2.54	<2	<5	<2	<2	27	<.2	2	<2	77	.31	.035	5	43	.85	115	.14	<3	1.57	.01	.04	<2
L7+00W 8+50N	1	41	7	103	<.3	54	14	745	3.65	3	<5	<2	2	67	.2	<2	<2	85	1.01	.085	13	66	1.37	213	.17	4	2.01	.03	.07	<2
L7+00W 8+00N	2	36	11	136	<.3	43	24	1946	3.88	<2	<5	<2	<2	46	.3	<2	<2	93	.69	.069	11	59	.98	283	.07	3	2.96	.01	.08	<2
L7+00W 7+50N	1	30	5	91	<.3	43	11	479	3.58	7	<5	<2	<2	25	<.2	<2	2	87	.34	.072	9	59	1.17	168	.12	<3	2.18	.01	.06	<2
L7+00W 7+00N	1	48	17	186	<.3	66	24	1607	5.00	11	<5	<2	<2	24	.2	<2	<2	96	.27	.054	15	64	1.20	264	.09	<3	3.42	.01	.09	<2
L7+00W 6+50N	1	44	12	116	.3	50	15	1029	3.91	3	<5	<2	<2	39	.2	<2	<2	83	.86	.096	15	61	1.22	311	.07	<3	3.00	.01	.10	<2
L7+00W 6+00N	2	24	11	145	.4	46	8	756	4.62	7	<5	<2	3	76	.6	<2	<2	51	1.57	.061	30	43	1.09	152	.16	3	2.95	.03	.06	<2
L7+00W 5+50N	11	158	29	120	.6	88	29	2526	6.98	106	<5	<2	<2	50	.2	4	<2	57	.44	.075	8	51	.20	52	<.01	<3	.57	<.01	.02	<2
L7+00W 5+00N	4	29	16	180	.3	64	12	431	5.40	33	<5	<2	4	52	.7	<2	<2	57	.50	.055	30	54	.63	112	.22	<3	3.97	.03	.04	2
L7+00W 4+50N	1	22	10	72	<.3	30	7	348	2.93	3	<5	<2	<2	26	.2	2	<2	77	.30	.052	8	48	.95	139	.15	<3	1.84	.01	.03	<2
L7+00W 4+00N	2	9	9	51	<.3	6	3	220	2.16	<2	<5	<2	<2	14	<.2	<2	<2	83	.09	.022	8	20	.34	89	.13	3	.98	.01	.04	<2
L7+00W 3+50N	3	27	14	92	<.3	23	12	898	6.46	4	<5	<2	<2	19	<.2	3	2	125	.14	.103	12	46	.84	124	.13	<3	2.18	.01	.04	<2
L7+00W 3+00N	2	102	14	149	1.0	50	19	1036	3.84	7	<5	<2	<2	150	.5	<2	<2	60	2.13	.083	49	51	.82	158	.07	3	1.81	.01	.05	<2
L7+00W 2+50N	1	4	6	26	<.3	2	<1	64	.60	<2	<5	<2	<2	8	<.2	<2	<2	61	.06	.006	3	19	.23	55	.04	<3	2.10	<.01	.02	<2
L7+00W 2+00N	1	19	6	92	<.3	39	10	449	3.19	<2	<5	<2	<2	46	.2	3	<2	80	.56	.028	6	58	1.14	100	.13	<3	1.90	.01	.04	<2
L7+00W 1+50N	2	70	10	184	.6	72	18	1319	4.44	4	<5	<2	<2	93	1.0	<2	<2	70	1.36	.106	35	61	1.13	184	.08	3	2.92	.02	.06	<2
L7+00W 1+00N	1	92	8	161	.8	61	15	975	3.70	8	<5	<2	<2	130	.9	<2	<2	67	1.98	.110	30	63	1.25	156	.08	5	2.47	.02	.09	<2
L7+00W 0+50N	2	42	15	289	.4	52	26	1638	4.61	5	<5	<2	<2	110	1.0	<2	<2	71	1.69	.126	17	64	1.07	143	.09	4	2.40	.01	.05	<2
L7+00W 0+00	5	27	19	132	<.3	36	7	651	8.64	2	<5	<2	3	14	<.2	<2	2	119	.14	.096	14	55	.75	96	.24	<3	3.05	.01	.06	<2
L7+00W 0+50S	9	11	8	36	<.3	6	3	120	1.69	<2	<5	<2	<2	9	<.2	2	<2	39	.10	.046	9	16	.40	72	.02	<3	1.39	.01	.03	<2
L7+00W 1+00S	8	52	25	231	.4	13	1	294	5.74	<2	<5	<2	3	16	.4	<2	<2	111	.51	.037	25	35	.41	64	.27	<3	1.92	.01	.02	<2
L7+00W 1+50S	2	41	11	156	<.3	46	16	761	5.05	<2	<5	<2	2	14	.6	2	<2	125	.23	.041	8	115	1.81	53	.25	<3	2.57	.01	.05	<2
STANDARD C2	22	64	46	155	7.2	73	37	1224	4.02	41	17	9	39	55	20.2	18	20	79	.57	.110	41	68	1.06	207	.09	29	2.15	.06	.15	11

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L7+00W 2+00S	3	377	12	297	<.3	36	11	1164	3.92	<2	<5	<2	<2	46	3.0	<2	<2	44	1.62	.206	150	37	.65	168	.03	<3	3.08	.01	.05	<2
L6+00W 16+00N	1	37	7	89	<.3	33	11	694	3.55	3	<5	<2	<2	19	<.2	<2	<2	64	.21	.069	7	43	.78	94	.08	<3	1.75	.01	.03	<2
L6+00W 15+50N	1	24	6	75	<.3	31	7	451	3.33	<2	<5	<2	2	22	.2	2	<2	67	.26	.061	7	45	.91	105	.12	<3	1.70	.01	.03	<2
L6+00W 15+14N	4	29	6	103	.7	40	11	675	7.08	<2	<5	<2	5	11	.4	<2	<2	108	.22	.064	25	59	.55	87	.68	<3	5.32	.03	.04	3
L6+00W 14+50N	2	30	12	95	<.3	61	10	477	5.07	<2	<5	<2	2	13	<.2	<2	<2	72	.15	.058	9	86	1.08	100	.12	<3	2.48	.01	.03	<2
L6+00W 14+00N Broken	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
L6+00W 13+50N	3	150	13	451	.7	106	30	1878	6.16	8	<5	<2	2	40	1.5	<2	3	79	.63	.063	36	100	1.42	243	.10	3	2.79	.02	.08	<2
L6+00W 13+00N	2	123	11	180	.6	77	15	999	5.24	<2	6	<2	2	42	1.1	<2	<2	72	.85	.086	33	53	.82	181	.27	<3	3.94	.02	.04	<2
L6+00W 12+50N	2	36	13	146	<.3	45	11	989	5.11	3	<5	<2	2	15	.2	<2	<2	85	.16	.065	10	79	.98	105	.14	<3	2.25	.01	.03	<2
RE L6+00W 12+50N	2	35	11	142	<.3	44	11	978	5.07	3	<5	<2	2	14	.4	<2	3	82	.15	.064	10	76	.95	102	.13	<3	2.17	.01	.03	<2
L6+00W 12+00N	2	31	11	99	<.3	76	16	861	5.81	5	<5	<2	<2	12	.3	4	<2	100	.20	.062	6	135	1.22	90	.13	<3	2.41	.01	.02	<2
L6+00W 11+50N	3	25	10	122	<.3	60	13	508	5.63	3	<5	<2	<2	16	.3	2	<2	109	.17	.048	8	89	1.17	122	.15	<3	2.17	.01	.03	<2
L6+00W 11+00N	2	99	13	247	.4	102	18	940	4.53	16	<5	<2	<2	145	.5	<2	<2	66	1.91	.093	20	77	1.32	206	.07	5	2.47	.02	.05	<2
L6+00W 10+50N	3	35	14	123	<.3	55	18	980	6.59	5	<5	<2	2	65	.7	<2	<2	113	.84	.053	8	110	1.17	148	.19	<3	2.30	.01	.03	<2
L6+00W 10+00N	5	15	14	108	<.3	9	2	725	7.52	9	<5	<2	<2	4	<.2	<2	2	38	.03	.039	6	20	.13	26	.06	<3	1.10	.01	.03	<2
L6+00W 9+50N	8	27	12	129	.8	20	2	478	7.98	<2	<5	<2	4	7	<.2	<2	6	56	.04	.066	14	48	.66	48	.15	<3	3.70	.01	.03	2
L6+00W 9+00N	1	24	7	84	<.3	35	9	456	3.71	4	<5	<2	<2	18	.2	2	<2	85	.20	.060	5	55	1.06	104	.12	<3	1.88	.01	.03	<2
L6+00W 8+50N	1	33	6	96	<.3	41	10	530	4.08	5	<5	<2	2	22	<.2	<2	<2	75	.31	.079	7	57	1.20	102	.11	<3	2.04	.01	.02	<2
L6+00W 8+00N	3	16	16	85	<.3	30	6	367	4.47	5	<5	<2	2	16	.3	2	<2	86	.13	.062	11	48	.77	115	.17	<3	2.34	.01	.04	<2
L6+00W 7+50N	2	45	10	184	<.3	71	17	693	5.39	<2	<5	<2	2	24	.6	<2	<2	87	.25	.054	11	70	1.28	214	.16	<3	4.05	.02	.07	<2
L6+00W 7+00N	4	22	13	102	<.3	61	11	405	4.36	5	<5	<2	<2	27	.6	3	<2	104	.56	.025	8	97	1.30	115	.17	<3	2.13	.01	.04	<2
L6+00W 6+50N	4	26	9	103	<.3	41	10	793	7.84	<2	<5	<2	4	8	.6	<2	3	94	.28	.078	19	60	.68	81	.51	<3	5.28	.02	.04	2
L6+00W 6+00N	1	4	6	21	<.3	3	1	44	.75	<2	<5	<2	<2	4	<.2	2	<2	28	.02	.012	7	11	.08	20	.05	<3	.70	.01	.02	<2
L6+00W 5+50N	1	131	13	131	.6	144	24	1433	5.34	32	<5	<2	3	96	1.2	<2	2	66	1.28	.073	45	81	1.17	193	.20	3	2.79	.04	.05	<2
L6+00W 5+00N	2	78	12	191	.4	82	22	1927	5.80	18	<5	<2	4	96	1.6	<2	<2	79	1.14	.065	30	65	1.22	227	.30	3	3.73	.04	.06	<2
L6+00W 4+50N	2	107	10	136	1.1	85	22	1112	5.37	6	<5	<2	<2	85	.4	<2	2	78	.96	.182	32	81	1.60	373	.04	3	4.48	.01	.09	<2
L6+00W 4+00N	6	24	14	107	<.3	30	12	806	7.39	10	<5	<2	<2	14	.3	2	<2	184	.09	.088	8	68	.85	97	.16	<3	2.04	.01	.03	<2
L6+00W 3+50N	2	102	11	119	.8	59	19	1201	3.31	8	<5	<2	<2	162	.7	2	<2	50	1.94	.109	32	46	.89	252	.04	<3	1.90	.01	.03	<2
L6+00W 3+00N	8	95	20	187	.5	126	33	1037	5.03	23	<5	<2	2	56	1.1	<2	<2	54	.58	.074	18	47	.83	140	.12	<3	2.18	.01	.04	<2
L6+00W 2+50N	7	43	20	335	.7	67	13	615	6.14	5	<5	<2	5	13	.9	<2	<2	44	.12	.050	23	34	.43	119	.15	<3	2.79	.02	.04	<2
L6+00W 2+00N	8	117	20	274	.7	98	14	493	5.34	12	<5	<2	<2	87	1.4	<2	<2	54	1.21	.106	21	43	1.07	153	.01	<3	2.15	.01	.04	<2
L6+00W 1+50N	1	43	9	122	.3	51	14	890	3.71	17	<5	<2	<2	106	.5	2	<2	71	1.47	.069	15	58	.96	162	.07	3	2.13	.01	.05	<2
L6+00W 1+00N	2	22	9	267	<.3	18	8	657	3.77	2	<5	<2	<2	118	.6	<2	<2	42	1.84	.043	9	27	.72	127	.06	3	1.61	.01	.04	<2
L6+00W 0+50N	4	143	9	335	.4	72	20	1545	5.63	3	<5	<2	<2	90	1.2	<2	2	79	1.14	.103	40	83	1.70	303	.06	<3	4.10	.01	.07	<2
L6+00W 0+00	1	2	<3	9	<.3	1	<1	16	.32	<2	<5	<2	<2	1	<.2	<2	<2	3	.03	.005	2	1	.01	7	<.01	<3	.10	.01	<.01	<2
STANDARD C2	20	57	40	138	6.9	70	34	1124	3.76	34	21	8	36	50	19.1	15	19	70	.51	.106	38	61	.96	190	.08	27	1.91	.06	.13	12

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L6+00W 0+50S	9	102	<3	469	<.3	28	13	831	7.26	<2	<5	<2	6	10	.8	3	<2	113	.19	.065	32	57	.46	68	.70	<3	3.92	.03	.05	<2
L6+00W 1+00S	3	75	3	128	<.3	59	20	848	6.26	6	<5	<2	2	11	.4	3	<2	114	.19	.038	5	146	2.35	45	.27	<3	2.80	<.01	.03	<2
RE L6+00W 1+00S	2	77	5	133	<.3	62	20	884	6.60	6	7	<2	2	12	.3	<2	<2	118	.19	.039	5	153	2.47	47	.29	<3	2.97	.01	.04	<2
L6+00W 1+50S	2	285	6	2211	.4	109	38	1707	7.06	<2	<5	<2	2	33	4.8	<2	3	91	1.27	.115	26	118	2.05	193	.04	3	5.71	.01	.10	<2
L6+00W 2+00S	1	43	5	126	<.3	75	14	592	3.91	4	<5	<2	2	31	.2	2	2	98	.37	.024	8	86	1.37	160	.10	3	2.56	.01	.07	<2
L5+00W 16+00N	2	14	5	52	<.3	12	4	386	2.07	<2	<5	<2	<2	21	<.2	<2	<2	44	.14	.098	7	28	.31	133	.03	<3	1.29	.01	.04	<2
L5+00W 15+50N	2	39	<3	126	<.3	56	14	1086	5.02	2	<5	<2	3	53	.5	<2	<2	61	1.14	.076	29	52	.84	220	.27	<3	3.35	.03	.05	<2
L5+00W 15+00N	2	26	3	100	<.3	66	12	503	4.70	6	<5	<2	2	18	.3	3	<2	82	.19	.043	8	88	1.33	115	.13	<3	2.14	.01	.04	<2
L5+00W 14+50N	2	19	6	89	<.3	48	11	670	5.80	5	<5	<2	<2	12	.3	5	<2	100	.07	.052	5	102	1.01	82	.17	<3	1.65	.01	.04	<2
L5+00W 14+00N	2	30	<3	83	<.3	79	12	425	4.09	4	<5	<2	<2	23	.2	<2	<2	78	.26	.042	8	89	1.20	140	.11	<3	2.00	.01	.03	<2
L5+00W 13+50N	3	86	16	261	<.3	81	14	1129	5.74	8	<5	<2	4	30	.9	3	2	71	.43	.085	28	81	.75	135	.13	<3	2.78	.02	.05	<2
L5+00W 13+00N	2	151	6	326	.3	100	11	654	5.52	3	<5	<2	5	13	<.2	<2	2	73	.10	.071	26	81	.72	181	.12	<3	4.22	.01	.06	<2
L5+00W 12+50N	3	25	11	109	<.3	67	15	882	6.77	8	<5	<2	<2	36	.3	<2	4	132	.35	.054	6	125	1.18	132	.18	<3	2.02	.01	.03	<2
L5+00W 12+00N	3	20	6	97	<.3	43	8	682	7.61	4	5	<2	3	12	.3	<2	<2	83	.14	.071	15	64	.84	99	.28	<3	2.49	.01	.04	<2
L5+00W 11+50N	3	20	8	151	<.3	66	18	879	7.65	3	<5	<2	4	46	1.0	<2	<2	115	.43	.052	15	105	.83	121	.52	<3	3.44	.02	.04	<2
L5+00W 11+00N	4	19	11	135	<.3	41	9	834	8.40	<2	<5	<2	5	8	.4	<2	<2	107	.16	.104	21	77	.80	81	.56	<3	3.93	.03	.04	<2
L5+00W 10+50N	3	26	9	89	<.3	60	12	596	6.99	8	<5	<2	2	15	.3	3	<2	133	.17	.066	10	109	.96	133	.24	<3	2.65	.01	.04	<2
L5+00W 3+50N	2	50	4	74	<.3	58	17	775	3.68	2	<5	<2	<2	42	.4	<2	<2	80	.36	.071	22	81	.84	164	.07	<3	1.77	.01	.04	<2
L5+00W 3+00N	2	33	<3	80	<.3	100	14	442	3.10	24	<5	<2	2	53	<.2	<2	<2	70	.57	.064	11	95	1.47	119	.08	3	1.64	.01	.04	<2
L5+00W 2+50N	3	33	10	111	<.3	95	24	891	5.12	6	<5	<2	2	33	.6	2	<2	93	.40	.050	8	164	1.61	101	.14	<3	1.67	.01	.04	<2
L5+00W 2+00N	2	47	9	180	<.3	35	8	579	3.42	16	<5	<2	2	169	2.2	<2	<2	51	2.74	.050	13	41	.47	100	.15	<3	1.53	.01	.03	<2
L5+00W 1+50N	2	57	<3	322	<.3	41	16	1449	4.75	5	<5	<2	2	145	1.3	<2	<2	55	2.34	.112	22	39	.70	157	.20	<3	2.43	.03	.04	<2
L5+00W 1+00N	2	26	3	83	<.3	18	7	414	2.79	<2	<5	<2	4	21	<.2	<2	<2	51	.15	.030	28	25	.22	213	.02	<3	1.40	.01	.04	<2
L5+00W 0+50N	3	15	6	69	<.3	27	7	383	3.88	<2	<5	<2	<2	14	<.2	<2	<2	124	.13	.024	6	59	.86	106	.25	<3	1.64	.01	.03	<2
L5+00W 0+00	1	24	3	69	<.3	39	10	510	4.12	2	<5	<2	<2	19	<.2	<2	<2	81	.21	.049	6	68	1.05	110	.15	<3	2.73	.01	.02	<2
L5+00W 0+50S	8	66	5	459	<.3	26	8	568	3.15	<2	<5	<2	<2	34	1.1	<2	<2	80	.54	.047	13	49	.86	134	.13	<3	1.92	.01	.05	<2
L5+00W 1+00S	1	51	<3	145	<.3	43	12	541	3.60	2	5	<2	<2	25	.3	<2	<2	82	.33	.043	10	64	1.16	154	.10	<3	2.24	.01	.05	<2
L5+00W 1+50S	1	29	6	136	<.3	51	19	814	3.62	2	<5	<2	<2	31	.4	<2	<2	87	.33	.051	9	64	1.07	196	.09	<3	2.11	.01	.06	<2
L5+00W 2+00S	1	10	5	75	<.3	11	4	324	2.35	<2	<5	<2	<2	8	<.2	<2	<2	63	.13	.021	5	33	.56	59	.08	<3	1.09	.01	.03	<2
L5+00W 2+50S	1	20	4	187	<.3	24	7	577	4.32	<2	<5	<2	2	17	.9	<2	<2	47	.55	.028	10	19	.18	94	.07	<3	.90	.01	.03	<2
L5+00W 3+00S	2	94	<3	296	1.0	169	15	997	6.15	<2	<5	<2	6	40	1.3	<2	<2	76	1.01	.052	42	96	.94	245	.21	<3	6.09	.03	.07	<2
L4+00W 16+00N	1	17	<3	76	<.3	32	8	319	3.69	2	<5	<2	2	13	.2	<2	<2	86	.11	.025	6	52	.75	115	.14	<3	2.49	.01	.02	<2
L4+00W 15+50N	1	75	3	152	.3	63	15	1174	3.85	7	<5	<2	2	64	.7	<2	2	70	1.12	.108	21	59	1.04	287	.06	<3	2.54	.02	.05	<2
L4+00W 15+00N	1	72	<3	114	<.3	49	13	759	3.56	7	<5	<2	2	42	.3	<2	<2	73	.57	.062	11	59	1.17	185	.11	<3	1.77	.02	.04	<2
L4+00W 14+50N	2	21	7	137	<.3	56	16	1236	4.89	11	<5	<2	<2	25	.3	<2	<2	103	.53	.070	7	107	1.10	125	.16	<3	1.73	.01	.04	<2
STANDARD C2	20	56	39	143	6.9	70	35	1164	3.83	40	19	8	36	51	19.4	19	20	70	.52	.110	37	62	.99	193	.08	28	1.93	.06	.13	12

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L4+00W 14+00N	4	60	44	119	<.3	85	28	1091	6.28	13	<5	<2	2	14	.3	<2	<2	92	.17	.051	14	117	1.15	111	.15	3	2.36	.01	.04	<2
L4+00W 13+50N	2	105	11	117	<.3	94	24	1031	5.39	10	<5	<2	<2	23	.4	2	<2	112	.28	.059	8	118	1.38	118	.13	3	1.74	.01	.04	<2
L4+00W 13+00N	3	46	15	118	.3	76	18	976	7.28	11	<5	<2	2	15	<.2	<2	<2	114	.15	.087	7	129	1.30	104	.13	<3	2.79	.01	.04	<2
L4+00W 12+50N	3	47	15	138	<.3	96	19	776	7.21	5	<5	<2	2	15	<.2	2	<2	118	.15	.055	10	120	1.17	165	.24	<3	2.88	.01	.05	<2
L4+00W 12+00N	2	44	16	142	<.3	129	46	3624	6.62	13	<5	<2	<2	28	.3	<2	<2	134	.18	.091	8	222	2.24	215	.12	4	2.22	.01	.06	<2
L4+00W 11+50N	4	40	19	101	<.3	73	44	3470	8.90	12	<5	<2	3	14	<.2	<2	<2	127	.16	.084	11	139	1.27	154	.21	<3	2.39	.01	.05	<2
L4+00W 11+00N	3	24	13	197	<.3	51	17	1324	5.29	5	<5	<2	2	33	.3	2	<2	97	.39	.045	14	106	.97	165	.16	<3	1.97	.01	.05	<2
L4+00W 10+50N	4	23	13	156	<.3	27	9	758	5.08	2	<5	<2	2	21	.2	3	<2	90	.27	.048	12	60	.81	108	.16	<3	1.98	.01	.04	<2
L4+00W 0+00	4	23	10	92	<.3	65	17	1213	5.35	2	<5	<2	2	25	<.2	2	<2	120	.30	.056	12	122	1.24	194	.21	<3	1.67	.01	.05	<2
L4+00W 0+50S	9	134	10	390	<.3	65	15	993	4.83	<2	<5	<2	2	21	.8	<2	<2	155	.27	.028	11	79	1.06	187	.13	<3	3.31	.01	.08	<2
L4+00W 1+00S	2	32	8	156	<.3	22	9	959	8.06	<2	<5	<2	2	8	.3	2	<2	235	.14	.044	8	57	.92	43	.70	<3	1.72	.01	.03	<2
L4+00W 1+50S	2	24	15	189	<.3	26	9	727	4.59	<2	<5	<2	2	14	.4	<2	<2	132	.37	.027	14	58	1.27	97	.28	<3	2.19	.01	.04	<2
L4+00W 2+00S	1	8	6	51	<.3	7	3	216	2.55	<2	<5	<2	<2	6	<.2	<2	<2	77	.06	.015	6	17	.41	42	.09	<3	.96	.01	.03	<2
RE L4+00W 2+00S	2	8	6	52	<.3	7	3	225	2.57	<2	<5	<2	<2	6	<.2	<2	<2	78	.07	.015	6	16	.41	44	.10	<3	.98	.01	.02	<2
L4+00W 2+50S	4	15	13	81	<.3	24	5	439	5.06	<2	<5	<2	2	13	<.2	<2	<2	114	.09	.060	12	52	.49	131	.21	<3	1.53	.01	.04	<2
L4+00W 3+00S	3	30	16	127	<.3	51	14	1014	4.82	4	<5	<2	2	22	.2	2	<2	82	.56	.060	18	92	1.09	103	.15	<3	1.72	.01	.05	<2
L3+00W 16+00N	1	11	7	69	<.3	27	6	349	3.02	<2	<5	<2	<2	21	<.2	<2	<2	78	.27	.017	6	48	.85	110	.14	<3	1.52	.01	.04	<2
L3+00W 15+50N	1	22	7	92	<.3	34	10	453	2.81	2	<5	<2	<2	15	<.2	<2	<2	56	.19	.040	6	43	.82	71	.12	<3	1.63	.01	.02	<2
L3+00W 15+00N	1	30	6	84	<.3	29	6	388	3.06	4	<5	<2	<2	16	<.2	2	2	61	.24	.056	6	44	.87	66	.12	<3	1.62	.01	.02	<2
L3+00W 14+50N	2	19	6	102	<.3	29	8	453	3.96	2	<5	<2	<2	13	<.2	2	<2	70	.16	.061	5	51	.89	73	.14	<3	2.56	.01	.02	<2
L3+00W 13+50N	2	44	11	117	.3	82	24	1121	4.29	7	<5	<2	<2	57	.7	3	<2	86	.71	.053	12	105	1.35	109	.10	<3	1.94	.01	.04	<2
L3+00W 13+00N	2	28	11	265	.4	70	24	1402	5.54	<2	<5	<2	5	39	.7	<2	<2	73	.49	.068	34	65	.97	223	.39	<3	3.82	.04	.04	<2
L3+00W 12+50N	4	27	22	95	.3	62	24	1867	7.10	10	<5	<2	3	14	<.2	<2	<2	104	.16	.112	13	129	1.10	110	.19	<3	2.48	.01	.03	<2
L3+00W 12+00N	3	18	16	80	.3	46	12	1549	6.70	2	<5	<2	2	12	<.2	<2	<2	197	.07	.089	9	120	.85	95	.26	<3	2.03	.01	.04	<2
L3+00W 11+50N	1	53	10	119	<.3	51	14	761	4.22	9	<5	<2	<2	18	<.2	2	<2	77	.21	.049	6	70	1.15	92	.12	<3	1.96	.01	.02	<2
L3+00W 11+00N	1	49	15	104	<.3	49	11	537	3.09	2	<5	<2	2	33	<.2	<2	<2	70	.41	.050	9	58	1.22	94	.13	<3	1.72	.01	.03	<2
L3+00W 10+50N	3	64	21	108	<.3	64	18	1407	8.63	13	<5	<2	2	14	.4	<2	<2	161	.15	.110	6	138	.96	116	.20	<3	2.29	.01	.03	<2
L3+00W 3+50N	5	54	8	134	<.3	48	11	495	4.18	15	<5	<2	<2	26	<.2	<2	<2	67	.31	.061	6	45	.65	111	.04	<3	1.25	.01	.05	<2
L3+00W 3+00N	2	42	10	142	<.3	76	19	1006	3.91	8	<5	<2	<2	90	.7	<2	2	73	1.10	.067	7	114	1.12	149	.06	<3	1.63	.01	.04	<2
L3+00W 2+50N	3	119	9	141	.5	83	33	1496	5.12	11	<5	<2	<2	95	1.7	<2	<2	91	1.43	.076	14	111	1.05	204	.13	<3	2.13	.02	.04	<2
L3+00W 2+00N	4	33	20	243	<.3	44	18	1206	6.37	2	<5	<2	2	22	.7	<2	<2	138	.28	.065	13	95	1.25	129	.27	<3	2.07	.01	.04	<2
L3+00W 1+50N	3	110	28	623	.4	61	15	900	6.06	15	<5	<2	5	9	.9	2	<2	73	.09	.049	14	79	1.17	78	.13	<3	5.07	.02	.03	<2
L3+00W 1+00N	3	77	12	129	.5	88	22	1271	5.72	<2	<5	<2	2	84	.8	<2	<2	82	1.85	.077	21	76	1.07	196	.38	<3	2.95	.03	.03	<2
L3+00W 0+50N	12	9	7	35	<.3	5	<1	390	5.65	<2	<5	<2	<2	7	<.2	2	2	47	.08	.088	2	13	1.25	42	.02	<3	1.62	.01	.03	<2
L3+00W 0+00	6	24	18	132	<.3	43	10	964	6.47	2	<5	<2	3	18	.2	<2	<2	97	.33	.049	17	71	.87	161	.32	<3	1.87	.01	.05	<2
STANDARD C2	21	61	43	144	7.2	71	36	1180	3.86	38	16	8	37	53	19.5	18	20	74	.54	.109	39	64	1.00	202	.08	29	1.99	.06	.14	12

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

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L3+00W 0+50S	5	148	7	119	<.3	75	9	540	4.38	2	<5	<2	2	32	<.2	<2	<2	62	.63	.061	33	57	.92	129	.15	<3	2.84	.02	.05	<2
L3+00W 1+00S	2	29	<3	89	<.3	53	14	514	3.96	3	<5	<2	<2	30	.6	<2	<2	86	.29	.073	8	64	1.04	207	.11	4	3.24	.01	.05	<2
L3+00W 1+50S	2	65	<3	117	.3	62	17	795	4.30	<2	<5	<2	<2	23	.2	<2	<2	94	.56	.077	10	107	1.64	159	.08	<3	3.26	.01	.07	<2
L3+00W 2+00S	3	61	4	133	<.3	79	23	1849	5.86	<2	<5	<2	3	22	.4	<2	<2	90	.58	.098	33	86	.91	170	.23	<3	3.36	.02	.04	<2
L3+00W 2+50S	3	22	<3	162	<.3	55	8	874	5.13	2	<5	<2	2	12	<.2	<2	<2	72	.15	.064	16	93	.61	93	.15	<3	2.64	.01	.04	<2
L3+00W 3+00S	5	21	6	102	<.3	43	8	768	7.55	7	5	<2	3	12	<.2	2	<2	111	.13	.229	14	81	.67	133	.21	<3	2.13	.01	.05	<2
L2+00W 16+00N	1	25	15	240	<.3	37	9	714	3.41	3	<5	<2	<2	27	.4	2	<2	61	.47	.050	9	49	.91	129	.11	<3	1.76	.01	.04	<2
L2+00W 15+50N	1	19	5	84	<.3	30	8	335	3.88	4	<5	<2	2	16	<.2	<2	<2	81	.19	.026	6	50	.76	101	.16	<3	1.81	.01	.02	<2
L2+00W 15+00N	1	28	<3	75	<.3	36	7	353	2.78	3	<5	<2	<2	23	<.2	2	<2	63	.32	.056	7	48	.91	95	.13	<3	1.56	.01	.03	<2
L2+00W 14+50N	1	26	<3	85	<.3	35	8	465	3.62	3	5	<2	<2	17	.2	<2	<2	66	.26	.061	7	49	.90	68	.12	<3	1.83	.01	.03	<2
L2+00W 14+00N	1	21	<3	93	<.3	38	9	394	3.85	2	<5	<2	2	14	.3	<2	<2	70	.23	.056	5	61	1.00	69	.15	<3	2.57	.01	.02	<2
L2+00W 13+50N	2	57	<3	123	<.3	75	20	884	4.98	2	<5	<2	3	25	.2	3	<2	88	.27	.064	20	73	1.37	207	.14	3	3.91	.01	.08	<2
L2+00W 13+00N	2	21	<3	85	<.3	34	8	408	4.82	<2	<5	<2	<2	12	<.2	<2	<2	64	.15	.049	8	63	.95	86	.10	<3	2.55	.01	.03	<2
L2+00W 12+50N	3	49	5	108	<.3	34	8	391	4.72	20	<5	<2	<2	13	<.2	<2	<2	76	.11	.044	5	45	.78	121	.04	<3	2.32	<.01	.04	<2
L2+00W 12+00N	2	24	<3	95	<.3	37	9	535	4.29	4	<5	<2	2	17	.2	<2	<2	84	.25	.068	6	62	1.18	71	.15	<3	1.78	.01	.02	<2
L2+00W 11+50N	3	31	4	121	.3	80	19	1362	6.50	4	<5	<2	2	15	.4	<2	<2	85	.14	.132	11	138	1.06	122	.11	<3	4.29	.01	.04	<2
L2+00W 11+00N	3	56	6	150	<.3	102	36	1870	5.21	12	<5	<2	2	25	.8	<2	<2	74	.29	.085	11	134	1.37	132	.10	3	2.38	.01	.04	<2
L2+00W 10+50N	2	21	4	159	<.3	38	8	635	4.55	<2	<5	<2	2	13	.2	<2	<2	89	.15	.021	8	66	1.14	114	.17	<3	2.49	.01	.04	<2
L1+00W 3+50N	3	29	8	115	<.3	74	13	694	7.67	<2	<5	<2	3	17	.2	<2	2	120	.18	.073	12	109	.86	172	.28	<3	3.24	.01	.05	<2
L1+00W 3+00N	3	23	8	118	<.3	55	17	993	6.03	6	<5	<2	2	17	.7	<2	2	96	.24	.116	12	109	.84	173	.17	<3	2.00	.01	.06	<2
RE L1+00W 3+00N	2	25	7	121	<.3	58	19	1066	6.25	8	7	<2	2	17	.5	3	<2	96	.24	.129	12	113	.85	181	.17	<3	2.16	.01	.07	<2
L1+00W 2+50N	2	48	3	95	<.3	98	24	1381	5.19	<2	<5	<2	3	57	1.2	<2	<2	66	.89	.112	42	107	1.28	148	.13	<3	4.53	.02	.04	<2
L1+00W 2+00N	4	200	6	198	.3	64	13	1098	4.46	3	<5	<2	<2	67	1.8	<2	<2	63	1.22	.110	35	65	.56	210	.07	<3	1.87	.01	.04	<2
L1+00W 1+50N	4	120	6	258	.3	67	18	1547	5.77	2	<5	<2	2	45	1.7	<2	<2	60	.80	.148	35	66	.83	215	.08	<3	3.30	.02	.05	<2
L1+00W 1+00N	3	21	<3	225	<.3	42	13	1458	6.68	9	<5	<2	2	13	.4	<2	<2	101	.19	.122	14	80	.64	189	.22	<3	2.14	.01	.05	<2
L1+00W 0+50N	3	29	5	131	<.3	61	13	684	5.04	<2	<5	<2	<2	17	<.2	2	<2	73	.23	.064	17	69	1.00	113	.12	<3	3.13	.01	.06	<2
L1+00W 0+00	3	29	10	141	<.3	61	13	772	7.99	3	<5	<2	3	15	.3	<2	<2	134	.16	.180	13	100	.91	132	.27	<3	3.17	.01	.03	<2
L6+00E 22+00N	3	64	9	156	.4	63	17	1187	4.47	7	<5	<2	2	44	.4	<2	<2	63	.62	.071	42	51	.87	229	.14	<3	2.68	.02	.06	<2
L6+00E 21+50N	3	26	8	99	<.3	31	11	470	2.98	6	<5	<2	<2	31	<.2	<2	<2	50	.54	.027	10	40	.69	110	.09	<3	1.32	.01	.04	<2
L6+00E 21+00N	2	13	<3	60	<.3	28	6	337	3.16	2	<5	<2	<2	20	<.2	2	<2	59	.30	.034	6	43	.78	106	.11	<3	1.63	.01	.04	<2
L6+00E 20+50N	2	23	<3	76	<.3	33	10	512	3.00	<2	<5	<2	<2	34	.2	<2	2	58	.39	.051	10	44	.79	223	.07	<3	1.97	.01	.05	<2
L6+00E 20+00N	2	19	7	55	<.3	27	8	594	2.57	<2	<5	<2	<2	33	<.2	<2	<2	51	.39	.056	8	38	.73	141	.09	<3	1.43	.01	.05	<2
L6+00E 19+50N	3	17	8	110	<.3	27	6	436	4.27	<2	<5	<2	3	38	<.2	<2	<2	67	.63	.028	13	37	.57	165	.11	<3	1.82	.01	.05	<2
L6+00E 19+00N	2	62	6	134	<.3	48	16	1046	4.10	2	<5	<2	2	55	.6	<2	<2	66	1.13	.059	20	51	.84	249	.11	<3	2.36	.01	.05	<2
L6+00E 18+50N	2	17	7	63	<.3	25	9	445	3.47	6	<5	<2	<2	22	<.2	2	<2	81	.29	.047	7	45	.63	107	.13	<3	1.33	.01	.05	<2
L6+00E 18+00N	1	35	<3	62	<.3	35	16	706	3.32	2	<5	<2	2	23	.2	<2	<2	65	.34	.057	8	57	1.23	90	.14	<3	1.72	.01	.03	<2
STANDARD C2	20	58	38	137	6.6	70	34	1133	3.75	34	16	7	35	50	18.4	19	17	69	.51	.103	38	59	.97	190	.08	26	1.96	.06	.13	12

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L6+00E 17+50N	2	13	6	84	<.3	26	7	488	3.42	2	<5	<2	2	27	<.2	<2	<2	87	.35	.027	9	50	.70	155	.15	<3	1.47	.01	.06	<2
L6+00E 17+00N	1	26	6	72	<.3	44	8	390	3.28	2	<5	<2	2	18	<.2	<2	<2	63	.22	.063	8	51	.80	122	.09	<3	2.08	.01	.05	<2
L6+00E 16+50N	1	25	6	66	<.3	40	13	665	3.08	4	<5	<2	2	17	.3	2	<2	59	.25	.062	8	51	.78	97	.11	3	2.10	.01	.05	<2
L6+00E 16+00N	1	23	5	57	<.3	40	8	367	3.45	<2	<5	<2	2	27	.5	<2	<2	61	.24	.055	10	54	.81	185	.08	3	2.08	.01	.04	<2
L6+00E 15+50N	1	19	7	71	<.3	45	10	404	3.32	2	<5	<2	2	22	.3	<2	<2	66	.25	.044	8	60	.89	154	.11	<3	2.36	.01	.04	<2
L6+00E 15+00N	2	22	7	93	<.3	35	10	395	4.64	4	<5	<2	2	15	.4	<2	<2	85	.19	.031	10	55	.74	138	.12	3	2.07	.01	.03	<2
L6+00E 14+50N	5	16	17	92	<.3	21	6	601	7.89	<2	<5	<2	3	14	1.0	<2	<2	73	.14	.063	14	44	.47	150	.19	<3	2.00	.02	.05	<2
L6+00E 14+00N	1	11	7	53	<.3	17	4	215	3.33	2	<5	<2	2	20	<.2	<2	<2	88	.12	.023	8	28	.42	146	.08	<3	1.64	.01	.05	<2
L6+00E 13+50N	1	24	4	58	<.3	34	10	416	2.97	3	<5	<2	2	18	.3	<2	<2	63	.19	.042	8	42	.79	119	.10	<3	1.80	.01	.03	<2
L6+00E 13+00N	1	20	5	78	<.3	30	9	531	3.04	3	<5	<2	<2	29	.3	2	<2	67	.34	.027	7	46	.94	127	.10	<3	1.50	.01	.04	<2
L6+00E 12+50N	1	12	11	57	<.3	16	5	457	3.06	<2	<5	<2	<2	17	<.2	<2	<2	70	.09	.044	13	30	.36	162	.11	<3	1.48	.01	.05	<2
L6+00E 12+00N	1	18	8	59	<.3	31	10	568	2.67	3	<5	<2	3	29	.4	2	<2	56	.22	.050	12	36	.61	177	.08	<3	1.83	.01	.06	<2
RE L6+00E 12+00N	1	17	10	58	<.3	30	10	549	2.61	3	<5	<2	2	28	.6	<2	<2	54	.21	.049	11	35	.59	171	.08	<3	1.77	.01	.06	<2
L6+00E 11+50N	1	22	11	61	<.3	31	8	319	3.20	<2	<5	<2	2	20	<.2	<2	<2	64	.14	.041	13	44	.58	151	.08	<3	1.89	.01	.05	<2
L6+00E 11+00N	1	28	8	79	<.3	36	10	502	3.07	2	<5	<2	<2	28	.2	3	<2	68	.16	.051	10	47	.69	192	.06	<3	2.08	.01	.06	<2
L6+00E 10+50N	1	16	7	63	<.3	24	6	322	2.94	<2	<5	<2	2	19	<.2	2	<2	62	.13	.052	9	36	.49	118	.08	<3	1.70	.01	.04	<2
L6+00E 10+00N	1	50	8	136	.3	44	10	680	3.29	<2	<5	<2	2	52	.6	<2	<2	63	.48	.069	34	47	1.00	289	.07	<3	2.32	.02	.08	<2
L6+00E 9+50N	1	39	12	83	<.3	35	9	484	2.86	<2	<5	<2	<2	35	.6	3	<2	67	.26	.057	20	47	.76	260	.05	<3	2.21	.01	.07	<2
L6+00E 9+00N	2	17	13	107	<.3	29	6	387	4.24	<2	<5	<2	3	27	.3	<2	<2	67	.23	.036	16	45	.62	187	.12	<3	2.24	.02	.05	<2
L6+00E 8+50N	2	15	7	62	<.3	25	6	435	2.54	<2	<5	<2	2	31	.2	<2	<2	64	.19	.019	10	32	.58	167	.06	<3	1.51	.01	.06	<2
L6+00E 8+00N	1	20	13	47	<.3	34	8	436	2.35	4	<5	<2	2	42	<.2	3	<2	53	.36	.040	12	40	.77	150	.11	<3	1.20	.02	.04	<2
L6+00E 7+50N	3	28	8	143	.4	34	9	833	5.45	<2	<5	<2	4	34	.4	<2	<2	80	.42	.060	24	46	.61	243	.28	<3	2.69	.02	.05	<2
L6+00E 7+00N	2	74	12	92	.4	45	11	866	3.18	<2	<5	<2	2	50	.6	<2	<2	59	1.03	.076	20	44	.77	231	.08	<3	2.17	.02	.07	<2
L6+00E 6+50N	1	51	8	144	.4	45	13	1336	3.29	<2	<5	<2	2	48	1.0	<2	<2	63	.95	.080	19	51	.75	251	.10	3	2.06	.02	.07	<2
L6+00E 6+00N	1	22	7	75	<.3	36	10	392	2.93	<2	<5	<2	<2	29	.2	<2	<2	60	.24	.047	11	46	.64	223	.06	<3	1.97	.01	.05	<2
L6+00E 5+50N	1	32	7	85	<.3	52	11	698	3.23	5	<5	<2	2	43	.5	2	<2	64	.69	.062	13	62	.86	322	.06	<3	2.20	.02	.06	<2
L6+00E 5+00N	1	25	5	75	<.3	40	10	499	2.67	2	<5	<2	2	45	.2	<2	<2	54	.43	.048	12	46	.67	222	.09	<3	1.65	.02	.05	<2
L6+00E 4+50N	1	23	5	75	<.3	34	8	478	2.84	4	<5	<2	<2	26	.3	2	<2	60	.23	.062	10	46	.66	166	.08	<3	1.66	.01	.06	<2
L6+00E 4+00N	1	26	9	56	<.3	39	10	486	2.57	3	<5	<2	<2	39	.3	<2	<2	57	.44	.052	7	51	.70	157	.08	<3	1.26	.01	.08	<2
L6+00E 3+50N	1	34	6	56	<.3	44	12	582	2.67	3	<5	<2	2	40	.2	<2	<2	57	.39	.065	11	48	.79	131	.13	<3	1.23	.02	.04	<2
L6+00E 3+00N	3	23	13	117	<.3	35	12	1401	6.99	3	<5	<2	3	15	.6	<2	2	100	.14	.152	13	64	.69	122	.23	<3	2.31	.01	.04	<2
L6+00E 2+50N	2	36	6	97	<.3	51	12	607	4.43	3	<5	<2	2	21	.4	<2	<2	94	.15	.056	9	73	1.17	155	.12	<3	2.57	.01	.05	<2
L6+00E 2+00N	2	29	9	85	.5	30	8	838	3.32	<2	<5	<2	2	63	.6	<2	<2	60	1.12	.135	22	38	.34	322	.12	7	2.36	.02	.04	<2
L6+00E 1+50N	1	16	6	53	<.3	27	7	282	2.32	<2	<5	<2	<2	33	<.2	<2	<2	53	.34	.044	12	37	.55	172	.07	<3	1.57	.01	.04	<2
L6+00E 1+00N	1	13	8	50	<.3	22	6	254	2.43	<2	<5	<2	<2	32	<.2	<2	<2	57	.30	.033	9	34	.58	166	.09	<3	1.38	.01	.05	<2
STANDARD C2	21	60	43	145	7.0	71	37	1210	3.87	37	23	8	37	53	20.2	19	20	74	.55	.110	40	64	1.02	196	.08	28	2.03	.06	.14	13

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L6+00E 0+50N	2	17	18	75	.3	16	3	261	2.78	<2	<5	<2	<2	17	<.2	<2	<2	57	.08	.061	17	34	.34	149	.10	<3	1.96	.02	.07	<2
L6+00E 0+00	1	10	10	53	<.3	15	3	239	2.10	2	<5	<2	<2	18	<.2	<2	<2	61	.10	.043	9	30	.33	132	.08	<3	1.47	.01	.08	<2
L6+00E 0+50S	2	19	13	65	.4	14	3	170	2.26	<2	<5	<2	<2	25	.6	<2	<2	51	.16	.068	13	32	.28	162	.09	<3	1.76	.01	.07	<2
L6+00E 1+00S	1	70	8	160	.4	51	11	804	3.49	<2	<5	<2	2	67	.9	<2	<2	63	.96	.090	29	55	.87	317	.09	5	2.49	.02	.08	<2
L6+00E 1+50S	2	42	9	110	<.3	54	13	1252	3.64	3	<5	<2	<2	61	.4	<2	<2	67	.93	.122	21	73	.87	366	.05	3	2.93	.02	.07	<2
L6+00E 2+00S	1	75	10	225	.4	43	10	715	3.02	<2	<5	<2	<2	62	1.9	<2	<2	53	1.50	.122	25	46	.77	259	.07	3	2.09	.02	.06	<2
L6+00E 2+50S	1	36	8	76	<.3	42	10	416	3.21	2	<5	<2	3	27	.6	<2	2	61	.21	.052	16	47	.73	164	.10	<3	2.49	.02	.06	<2
L6+00E 3+00S	1	13	11	54	<.3	21	5	252	2.25	<2	<5	<2	<2	30	.3	<2	2	53	.19	.038	11	36	.52	160	.08	<3	1.69	.01	.07	<2
L6+00E 3+50S	2	16	8	73	<.3	28	17	1342	3.17	3	<5	<2	2	23	.5	<2	<2	63	.13	.039	11	47	.61	137	.13	<3	2.03	.01	.06	<2
L6+00E 4+00S	2	18	9	61	<.3	26	6	299	3.20	<2	<5	<2	<2	19	.2	<2	2	68	.19	.046	10	46	.63	100	.14	<3	1.79	.01	.04	<2
L6+00E 4+50S	2	21	8	77	<.3	30	8	356	3.45	2	<5	<2	4	23	<.2	<2	<2	65	.15	.054	15	45	.64	159	.15	<3	2.37	.02	.05	<2
L6+00E 5+00S	1	23	8	56	<.3	32	10	443	3.03	<2	<5	<2	2	31	<.2	3	<2	67	.33	.057	10	51	.77	121	.16	<3	1.67	.01	.05	<2
L6+00E 5+50S	1	42	11	122	.4	50	11	1039	3.10	<2	<5	<2	2	60	.8	<2	<2	60	1.39	.107	26	56	.78	240	.07	3	2.34	.02	.07	<2
L6+00E 6+00S	1	62	5	182	.4	40	11	773	3.13	<2	<5	<2	<2	58	1.2	<2	<2	57	2.04	.109	20	54	.75	200	.09	4	2.30	.02	.06	<2
L10+00E 22+00N	2	26	11	113	<.3	34	9	474	3.23	3	<5	<2	<2	38	.4	2	<2	72	.69	.059	9	58	1.12	167	.10	<3	2.18	.01	.07	<2
L10+00E 21+50N	4	43	12	202	<.3	32	12	1321	4.16	<2	<5	<2	2	41	.7	<2	<2	56	.82	.044	27	47	.79	289	.08	<3	2.77	.01	.13	<2
L10+00E 21+00N	6	99	11	284	<.3	61	25	1408	6.90	15	<5	<2	3	44	.9	<2	3	75	.99	.111	51	64	1.81	268	.04	<3	4.57	.01	.17	<2
RE L10+00E 21+00N	6	97	12	273	<.3	59	24	1344	6.55	13	<5	<2	3	42	1.1	<2	<2	72	.95	.107	49	59	1.72	258	.04	<3	4.37	.01	.16	<2
L10+00E 20+50N	1	28	8	84	<.3	31	11	636	2.95	3	<5	<2	2	39	.3	<2	<2	64	.55	.042	10	52	1.04	98	.18	<3	1.47	.02	.07	<2
L10+00E 20+00N	3	46	8	147	<.3	38	17	771	3.94	8	<5	<2	2	43	.5	4	<2	80	.73	.036	10	57	1.37	166	.14	4	2.42	.02	.12	<2
L10+00E 19+50N	5	91	17	242	.3	72	44	1837	7.62	14	10	<2	3	53	1.7	<2	2	92	1.21	.085	22	98	1.32	184	.17	<3	2.79	.02	.08	<2
L10+00E 19+00N	3	79	13	191	<.3	74	19	1025	6.55	9	<5	<2	2	26	.9	<2	<2	105	.34	.079	14	91	1.47	190	.28	3	3.50	.02	.08	<2
L10+00E 18+50N	3	71	14	160	.4	69	22	1259	5.14	10	<5	<2	3	41	.9	<2	<2	74	.76	.063	33	77	1.23	182	.13	<3	2.60	.02	.08	<2
L10+00E 18+00N	6	184	12	295	<.3	111	18	1149	7.05	8	<5	<2	3	57	1.6	<2	<2	86	1.17	.108	66	82	1.13	336	.19	<3	5.22	.03	.12	<2
L10+00E 17+50N	4	76	9	185	.4	59	20	1444	4.82	15	<5	<2	2	47	.7	<2	<2	86	.95	.071	26	82	1.62	222	.11	<3	2.86	.02	.09	<2
L10+00E 17+00N	6	253	16	316	<.3	132	22	2001	7.53	97	<5	<2	4	51	1.2	<2	<2	73	.98	.090	152	91	1.38	253	.14	3	4.27	.02	.15	<2
L10+00E 16+50N	3	18	12	67	<.3	22	6	287	3.71	18	<5	<2	2	16	.3	2	<2	122	.26	.016	8	57	.73	99	.23	<3	1.85	.01	.04	<2
L10+00E 16+00N	4	41	10	196	<.3	40	11	744	5.61	8	<5	<2	2	17	<.2	2	<2	104	.19	.041	13	72	.98	136	.16	<3	2.73	.01	.07	<2
L10+00E 15+50N	4	35	10	145	<.3	41	12	658	6.21	9	<5	<2	2	14	.6	<2	<2	107	.19	.054	9	90	1.18	93	.22	<3	2.66	.01	.04	<2
L10+00E 15+00N	2	197	13	262	.9	99	16	1492	6.07	11	<5	<2	4	52	1.1	<2	<2	62	1.22	.093	58	66	1.07	238	.12	3	4.52	.03	.10	<2
L10+00E 14+50N	2	46	9	99	<.3	41	9	458	3.54	3	<5	<2	2	33	.2	<2	<2	62	.51	.036	22	52	.89	105	.16	<3	2.12	.02	.05	<2
L10+00E 14+00N	2	80	11	155	<.3	45	11	948	4.56	<2	<5	<2	<2	42	.4	<2	<2	63	.84	.102	68	55	1.02	197	.07	<3	3.48	.02	.09	<2
L10+00E 13+50N	2	121	11	153	<.3	40	15	1334	5.16	3	<5	<2	3	55	1.0	<2	<2	85	1.44	.086	61	53	1.18	164	.15	<3	3.13	.02	.10	<2
L10+00E 13+00N	2	34	6	130	<.3	42	11	630	3.49	2	<5	<2	<2	28	.5	<2	<2	86	.39	.033	11	67	1.35	118	.16	<3	2.08	.01	.03	<2
L10+00E 12+50N	16	78	31	365	<.3	54	13	1311	7.02	138	6	<2	3	31	1.1	3	<2	62	.37	.067	20	42	.77	122	.12	<3	1.75	.02	.05	<2
STANDARD C2	21	61	41	146	7.1	73	36	1162	3.94	38	22	8	38	54	19.4	17	19	76	.55	.109	42	69	1.01	198	.09	29	2.08	.06	.15	12

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L10+00E 12+00N	5	8	18	73	<.3	8	1	308	5.33	<2	<5	<2	3	8	<.2	<2	2	71	.06	.022	12	25	.19	94	.24	<3	1.66	.01	.04	<2
L10+00E 11+50N	2	45	11	179	<.3	63	19	1137	5.15	<2	<5	<2	3	26	.4	<2	<2	70	.46	.048	22	68	1.44	162	.09	<3	3.49	.01	.10	<2
L10+00E 11+00N	2	52	11	268	<.3	50	14	887	4.06	<2	<5	<2	<2	32	.3	<2	<2	73	.60	.054	26	66	1.43	161	.10	<3	2.52	.01	.08	<2
L10+00E 10+50N	2	50	20	588	<.3	37	10	1113	4.69	<2	<5	<2	2	27	1.7	2	<2	48	.57	.084	39	47	.84	132	.10	<3	2.40	.01	.07	<2
L10+00E 10+00N	2	25	10	115	<.3	48	13	504	5.15	5	<5	<2	2	16	<.2	<2	<2	108	.20	.034	8	90	1.03	144	.19	<3	1.89	.01	.04	<2
L10+00E 9+50N	1	30	11	111	<.3	33	12	601	3.22	3	<5	<2	2	22	.4	<2	<2	74	.34	.048	9	56	1.00	90	.15	<3	1.50	.01	.05	<2
RE L10+00E 9+50N	1	30	10	115	<.3	34	12	624	3.27	3	<5	<2	2	22	<.2	<2	<2	74	.33	.048	9	58	1.02	92	.14	3	1.53	.01	.04	<2
L10+00E 9+00N	3	40	10	131	<.3	59	21	1385	5.30	6	<5	<2	2	16	.4	<2	<2	101	.31	.051	7	105	1.61	109	.18	<3	2.30	.01	.04	<2
L10+00E 8+50N	2	66	12	242	.3	66	27	1635	4.78	5	<5	<2	2	34	.6	2	3	86	.55	.077	23	93	1.74	237	.07	<3	2.92	.01	.08	<2
L10+00E 8+00N	4	32	12	133	<.3	33	13	884	4.86	6	<5	<2	<2	20	.4	<2	<2	122	.23	.042	15	67	1.13	153	.20	<3	2.00	.01	.06	<2
L10+00E 7+50N	3	52	12	163	<.3	50	22	1121	4.79	6	<5	<2	<2	33	.4	<2	<2	105	.71	.063	12	102	1.38	182	.09	<3	2.21	.01	.05	<2
L10+00E 7+00N	4	91	12	275	.3	48	17	1415	5.75	4	<5	<2	<2	33	2.8	<2	<2	88	.56	.098	14	76	.90	225	.06	<3	2.36	.01	.05	<2
L10+00E 6+00N	4	63	58	345	<.3	42	29	2003	5.57	7	<5	<2	<2	18	2.3	2	<2	111	.50	.050	8	87	1.50	94	.09	<3	2.27	.01	.04	<2
L10+00E 5+50N	2	44	16	143	<.3	17	6	613	2.66	<2	<5	<2	<2	23	1.2	2	<2	84	.45	.047	13	57	.68	183	.10	<3	1.75	.01	.04	<2
L10+00E 5+00N	3	34	12	135	<.3	18	5	399	3.54	3	<5	<2	<2	10	<.2	<2	<2	110	.10	.051	6	45	.65	63	.20	<3	1.43	.01	.03	<2
L10+00E 4+50N	3	38	8	172	<.3	25	7	356	3.02	<2	<5	<2	<2	13	.2	<2	<2	84	.16	.039	7	53	.71	94	.14	<3	1.58	.01	.03	<2
L10+00E 4+00N	2	272	10	117	6.3	69	14	1126	3.42	7	<5	10	2	54	1.3	<2	<2	52	1.88	.115	109	94	.78	300	.05	4	2.75	.01	.05	<2
L10+00E 3+50N	1	18	10	49	<.3	14	4	230	2.15	<2	<5	<2	<2	16	.3	<2	<2	55	.21	.049	9	34	.41	132	.12	<3	.99	.01	.05	<2
L10+00E 3+00N	2	60	20	195	.3	90	20	1206	4.37	21	<5	<2	2	39	2.0	<2	<2	69	1.72	.102	25	68	1.09	231	.05	3	2.95	.01	.07	<2
L10+00E 2+50N	1	10	6	31	<.3	13	3	142	1.30	<2	<5	<2	<2	33	<.2	<2	<2	35	.63	.027	6	29	.42	148	.06	<3	.93	.01	.03	<2
L10+00E 2+00N	1	51	7	89	<.3	39	12	469	3.71	2	<5	<2	<2	16	<.2	<2	<2	63	.25	.060	8	53	.95	100	.11	<3	1.99	.01	.02	<2
L10+00E 1+50N	2	25	6	67	<.3	24	9	376	3.13	3	<5	<2	<2	15	<.2	<2	<2	83	.15	.037	8	54	.72	82	.15	<3	1.31	.01	.03	<2
L10+00E 1+00N	1	34	8	88	<.3	39	7	286	2.57	<2	<5	<2	<2	24	.2	3	<2	60	.23	.034	7	56	.85	182	.10	<3	2.14	.01	.05	<2
L10+00E 0+50N	1	35	5	93	<.3	38	10	563	2.90	<2	<5	<2	<2	33	<.2	<2	<2	58	.47	.069	9	55	.94	179	.08	<3	1.74	.01	.05	<2
L10+00E 0+00	1	27	6	78	<.3	34	7	343	2.60	<2	<5	<2	<2	25	<.2	<2	<2	57	.38	.047	7	52	.97	107	.11	<3	1.50	.01	.04	<2
L10+00E 0+50S	1	220	6	796	.7	27	7	1061	1.59	<2	<5	<2	<2	116	12.3	<2	<2	21	3.16	.195	18	25	.36	293	.01	3	1.33	.01	.03	<2
L10+00E 1+00S	3	71	4	183	.3	41	10	1011	4.09	<2	<5	<2	<2	46	1.1	<2	2	48	.92	.123	43	44	.70	280	.06	3	2.72	.01	.06	<2
L10+00E 1+50S	3	24	9	67	<.3	16	6	529	4.27	4	<5	<2	<2	7	<.2	2	<2	116	.07	.083	6	40	.49	41	.18	<3	1.21	.01	.01	<2
L10+00E 2+00S	3	33	9	117	<.3	18	5	259	6.04	<2	<5	<2	3	5	<.2	<2	3	73	.04	.063	17	54	.37	52	.15	<3	4.06	.01	.02	<2
L10+00E 2+50S	2	24	7	91	.4	28	6	302	3.67	<2	<5	<2	2	12	<.2	<2	<2	53	.11	.030	20	40	.62	108	.09	<3	2.02	.01	.03	<2
L10+00E 3+00S	2	76	10	300	.4	52	12	727	3.81	2	<5	<2	<2	41	.9	<2	<2	63	1.04	.089	26	58	1.03	240	.09	3	2.57	.02	.05	<2
L10+00E 3+50S	3	52	10	157	.4	20	5	535	3.85	<2	<5	<2	2	25	.8	<2	<2	57	.63	.074	23	33	.30	159	.27	<3	2.41	.02	.03	<2
L10+00E 4+00S	3	30	10	137	<.3	23	10	541	5.75	<2	<5	<2	3	17	.7	<2	<2	111	.24	.043	16	58	.62	92	.45	<3	1.99	.01	.02	<2
L10+00E 4+50S	3	42	13	128	<.3	26	8	459	3.31	<2	<5	<2	<2	14	1.0	<2	<2	91	.17	.046	11	71	.89	184	.25	<3	1.72	.01	.03	<2
L10+00E 5+00S	159	313	30	911	1.9	4	<1	178	7.65	69	5	<2	<2	3	1.1	6	<2	63	.04	.080	2	14	5.19	22	.06	<3	2.91	<.01	<.01	<2
STANDARD C2	21	59	40	141	6.8	71	35	1177	3.84	36	22	8	37	51	19.2	17	18	73	.54	.105	39	62	1.01	189	.08	27	2.01	.06	.14	12

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L10+00E 5+50S	7	55	11	208	.4	41	20	836	5.54	3	7	<2	3	19	1.0	<2	<2	85	.78	.054	10	73	1.37	70	.12	<3	2.40	.01	.03	<2
L10+00E 6+00S	1	57	7	154	.4	33	15	986	4.12	<2	<5	<2	<2	22	.8	<2	<2	100	.98	.053	8	63	1.14	79	.05	<3	2.18	.01	.02	<2
L14+00E 22+00N	3	42	12	124	.4	44	12	600	3.68	8	<5	<2	<2	40	.5	2	<2	71	.84	.067	14	53	1.15	204	.07	<3	2.42	.01	.07	<2
L14+00E 21+50N	2	30	8	86	<.3	34	10	635	2.81	<2	<5	<2	2	37	.3	<2	<2	54	.60	.045	9	46	.91	163	.08	<3	1.62	.01	.05	<2
L14+00E 21+00N	2	22	7	68	<.3	27	7	437	2.41	<2	<5	<2	2	38	.2	<2	<2	50	.49	.054	10	40	.81	120	.12	<3	1.19	.01	.04	<2
L14+00E 20+50N	1	19	9	64	<.3	26	9	466	2.42	<2	<5	<2	2	28	<.2	<2	<2	51	.38	.045	7	41	.83	98	.13	<3	1.22	.01	.04	<2
L14+00E 20+00N	2	27	7	90	.3	29	9	578	2.78	2	<5	<2	<2	40	<.2	<2	<2	55	.73	.059	12	47	.98	137	.07	<3	1.65	.01	.05	<2
L14+00E 19+50N	2	28	5	103	<.3	31	11	702	2.80	2	<5	<2	<2	44	.5	<2	<2	59	.85	.055	7	52	.97	130	.08	<3	1.58	.01	.06	<2
L14+00E 19+00N	2	60	7	124	.4	71	20	805	4.76	4	<5	<2	3	38	.8	<2	<2	87	.59	.025	26	86	1.58	185	.19	<3	3.45	.02	.08	<2
L14+00E 18+50N	2	24	6	75	<.3	37	13	629	3.11	2	<5	<2	2	20	<.2	<2	<2	65	.41	.014	9	63	1.26	82	.20	<3	1.63	.01	.04	<2
L14+00E 18+00N	3	17	5	96	.3	21	8	543	2.65	<2	<5	<2	2	18	<.2	<2	<2	40	.34	.030	12	31	.91	99	.07	<3	1.38	.01	.06	<2
L14+00E 17+50N	3	23	5	124	<.3	28	9	613	2.87	<2	<5	<2	<2	26	.2	3	<2	53	.50	.036	12	43	.96	119	.09	<3	1.59	.01	.05	<2
L14+00E 17+00N	5	30	12	91	.3	44	18	1297	3.61	3	<5	<2	2	45	.2	<2	<2	67	.88	.060	17	59	.96	196	.08	<3	2.13	.01	.05	<2
L14+00E 16+50N	2	45	19	88	<.3	43	24	1648	4.38	5	<5	<2	2	22	.4	3	<2	65	.26	.090	10	64	.80	147	.07	<3	2.83	.01	.04	<2
L14+00E 16+00N	4	81	10	42	<.3	52	19	453	5.20	9	<5	<2	2	4	.2	<2	<2	87	.05	.024	4	69	.71	46	.41	<3	1.77	.01	.03	<2
L14+00E 15+50N	6	15	13	142	<.3	7	3	266	3.14	2	<5	<2	2	25	.2	<2	<2	46	.67	.025	9	18	.22	154	.08	<3	1.52	.01	.09	<2
L14+00E 15+00N	5	13	15	62	<.3	19	7	404	3.78	<2	<5	<2	2	5	<.2	<2	<2	104	.06	.026	9	54	1.04	54	.25	<3	2.51	.01	.03	<2
L14+00E 14+50N	3	25	11	126	<.3	27	9	517	4.14	<2	<5	<2	2	29	.4	<2	<2	101	.52	.036	20	61	.80	134	.18	<3	1.85	.01	.05	<2
RE L14+00E 14+50N	3	23	12	119	<.3	25	8	484	3.99	<2	<5	<2	2	28	.3	<2	<2	96	.49	.034	19	56	.74	127	.17	<3	1.74	.01	.04	<2
L14+00E 14+00N	3	41	13	132	<.3	22	4	516	5.13	<2	<5	<2	5	12	.4	<2	<2	78	.20	.032	24	26	.52	65	.24	<3	2.60	.02	.04	<2
L14+00E 13+50N	5	28	15	188	<.3	29	9	1142	6.01	<2	<5	<2	4	40	.7	<2	<2	76	.96	.092	36	47	.60	131	.35	<3	2.90	.02	.05	<2
L14+00E 13+00N	4	18	17	94	<.3	24	6	485	6.23	5	8	<2	3	11	.4	<2	<2	99	.12	.060	13	47	.53	91	.25	<3	1.97	.01	.05	<2
L14+00E 12+50N	5	19	16	90	<.3	25	7	425	6.13	4	<5	<2	3	22	.6	<2	<2	119	.28	.039	11	57	.55	149	.30	<3	1.81	.01	.04	<2
L14+00E 12+00N	3	17	15	81	<.3	16	5	301	4.52	4	<5	<2	2	11	<.2	<2	<2	158	.08	.041	8	44	.33	89	.31	<3	1.51	.01	.03	<2
L14+00E 11+50N	5	43	4	137	<.3	18	30	2033	10.03	44	8	<2	<2	21	1.4	2	<2	200	.30	.028	5	52	3.00	122	<.01	<3	4.02	<.01	.08	2
L14+00E 11+00N	2	10	8	60	<.3	20	7	361	3.15	9	<5	<2	3	6	<.2	8	<2	31	.06	.019	18	18	.51	28	.08	<3	1.97	.01	.03	3
L14+00E 10+50N	3	16	12	129	<.3	32	5	528	3.93	<2	<5	<2	2	23	.2	<2	<2	41	.45	.047	44	35	.75	75	.19	<3	2.22	.02	.05	<2
L14+00E 10+00N	3	11	8	227	<.3	16	5	683	3.45	<2	<5	<2	<2	21	.3	<2	<2	32	.41	.042	20	24	.43	105	.08	<3	1.52	.01	.05	<2
L14+00E 9+50N	2	39	18	148	<.3	89	17	1315	5.03	2	<5	<2	3	24	.5	2	2	61	.49	.059	32	55	1.32	245	.07	<3	3.87	.02	.11	<2
L14+00E 9+00N	2	39	14	148	<.3	43	10	707	3.69	<2	<5	<2	2	21	.2	2	<2	62	.32	.033	17	45	.97	182	.10	<3	2.24	.01	.09	<2
L14+00E 8+50N	1	31	9	87	<.3	38	11	649	3.00	3	<5	<2	2	38	.2	<2	<2	64	.30	.026	10	46	.90	182	.08	<3	1.74	.01	.06	<2
L14+00E 8+00N	1	24	13	67	<.3	36	10	579	2.71	3	<5	<2	3	44	<.2	5	<2	58	.37	.049	13	43	.79	174	.10	<3	1.44	.01	.06	<2
L14+00E 7+50N	2	82	14	144	<.3	62	14	679	4.02	<2	<5	<2	2	39	.6	<2	<2	80	.46	.091	17	71	1.22	351	.03	<3	3.67	.01	.12	<2
L14+00E 7+00N	1	26	9	70	<.3	40	13	566	2.79	2	<5	<2	2	35	<.2	4	<2	66	.38	.046	10	55	.90	172	.12	<3	1.58	.01	.06	<2
L14+00E 6+50N	1	35	14	99	<.3	48	11	442	3.18	<2	5	<2	<2	35	<.2	5	<2	69	.39	.062	11	70	1.01	227	.06	<3	2.12	.01	.07	<2
STANDARD C2	22	61	43	148	7.2	76	37	1198	3.85	41	20	8	38	55	20.2	16	19	74	.57	.105	41	65	1.05	202	.08	27	2.04	.06	.13	12

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

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L14+00E 6+00N	2	29	16	106	<.3	54	13	643	3.99	4	<5	<2	2	33	.6	2	<2	99	.32	.064	13	103	1.18	243	.13	<3	2.07	.01	.08	<2
L14+00E 5+50N	2	37	13	101	.3	57	13	811	3.27	6	<5	<2	2	61	.6	<2	<2	71	.74	.089	18	61	1.07	265	.08	<3	2.10	.02	.10	<2
L14+00E 5+00N	2	41	17	144	<.3	68	16	871	4.49	4	<5	<2	4	48	.7	<2	<2	90	.67	.077	21	72	1.16	282	.18	<3	2.64	.02	.10	<2
L14+00E 4+50N	3	52	13	134	.4	50	14	360	4.99	25	<5	<2	2	51	1.6	<2	<2	78	1.91	.073	17	64	.73	223	.12	3	3.44	.01	.03	<2
L14+00E 4+00N	2	87	18	170	.5	92	18	843	5.20	<2	<5	<2	4	45	.7	<2	<2	85	.73	.088	36	68	.82	454	.09	<3	4.48	.02	.09	<2
L14+00E 3+50N	1	27	14	89	<.3	45	11	491	3.16	4	<5	<2	2	28	.3	5	<2	72	.29	.096	10	56	.88	235	.07	3	2.15	.01	.07	<2
L14+00E 3+00N	1	31	13	64	<.3	43	13	702	2.80	5	<5	<2	2	49	<.2	<2	<2	69	.44	.061	12	53	.86	234	.11	<3	1.42	.02	.09	<2
L14+00E 2+50N	2	39	14	82	.3	62	14	1303	2.87	5	<5	<2	3	75	.7	3	<2	66	.95	.053	15	46	.98	329	.06	5	1.94	.02	.17	<2
L14+00E 2+00N	1	42	18	115	<.3	56	15	833	3.40	6	<5	<2	3	54	.5	<2	<2	70	.77	.070	14	62	1.10	271	.11	<3	2.09	.02	.10	<2
L14+00E 1+50N	3	28	16	100	<.3	43	11	599	4.41	2	<5	<2	4	26	.3	<2	<2	70	.19	.060	18	49	.72	188	.18	3	2.73	.02	.07	<2
RE L14+00E 1+50N	2	27	16	96	<.3	41	10	583	4.30	4	<5	<2	5	25	<.2	<2	<2	68	.18	.057	18	46	.68	177	.18	<3	2.63	.02	.07	<2
L14+00E 1+00N	2	14	12	65	<.3	17	5	224	2.37	<2	<5	<2	<2	32	<.2	<2	<2	66	.33	.024	10	32	.40	192	.07	<3	1.47	.01	.08	<2
L14+00E 0+50N	3	75	20	140	1.8	93	21	1771	4.74	2	<5	<2	3	60	.3	<2	2	78	1.25	.161	26	69	1.09	699	.02	3	5.13	.01	.15	3
L14+00E 0+00	1	21	13	70	<.3	24	7	401	2.57	2	<5	<2	<2	43	.4	3	<2	77	.27	.050	11	43	.56	298	.08	<3	2.00	.01	.07	<2
L14+00E 0+50S	2	16	12	64	<.3	29	7	415	3.21	6	<5	<2	3	25	<.2	<2	<2	80	.17	.031	11	48	.70	127	.12	<3	1.70	.01	.05	<2
L14+00E 1+00S	1	41	10	115	<.3	46	10	441	2.79	3	<5	<2	2	40	.3	<2	<2	61	.73	.064	14	55	.89	186	.09	<3	1.82	.02	.05	<2
L14+00E 1+50S	2	41	14	134	.3	57	21	1904	3.92	5	<5	<2	2	61	.9	3	<2	73	.98	.106	19	61	1.08	384	.05	3	2.91	.02	.11	<2
L14+00E 2+00S	2	39	19	204	<.3	65	13	731	4.74	<2	<5	<2	4	56	.6	<2	<2	84	.97	.073	22	61	.96	343	.28	<3	3.28	.04	.10	<2
L14+00E 2+50S	3	39	22	161	<.3	54	16	761	4.54	7	<5	<2	<2	64	.7	5	<2	95	1.14	.069	11	77	1.17	339	.04	3	3.51	.01	.14	2
L14+00E 3+00S	1	23	15	67	<.3	36	8	387	2.63	3	<5	<2	<2	40	<.2	<2	<2	60	.55	.051	12	48	.82	203	.08	<3	1.72	.01	.06	<2
L14+00E 3+50S	1	21	12	100	<.3	40	7	310	2.60	3	<5	<2	2	55	<.2	2	<2	57	.63	.057	15	43	.79	255	.07	<3	1.85	.02	.08	<2
L14+00E 4+00S	1	28	14	96	<.3	41	10	595	2.85	4	<5	<2	2	51	.3	2	<2	63	.84	.082	16	43	.79	272	.05	<3	2.05	.01	.10	<2
L14+00E 4+50S	2	44	16	312	.4	51	9	591	3.39	4	<5	<2	3	50	.7	<2	<2	64	.89	.078	21	49	.78	318	.08	<3	2.54	.02	.10	<2
L14+00E 5+00S	3	17	20	100	<.3	21	5	332	3.89	<2	<5	<2	2	21	.2	2	<2	71	.16	.055	15	39	.40	182	.09	<3	2.35	.01	.06	<2
L14+00E 5+50S	2	46	15	271	<.3	33	8	422	3.24	<2	<5	<2	2	37	1.6	<2	<2	74	.84	.064	14	38	.65	267	.04	<3	2.76	.01	.07	<2
L14+00E 6+00S	1	20	17	167	<.3	28	6	320	2.45	<2	<5	<2	<2	32	.5	<2	<2	59	.51	.050	12	36	.61	160	.07	<3	1.58	.01	.07	<2
L18+00E 23+50N	2	18	8	120	.4	26	11	735	2.82	<2	<5	<2	<2	33	<.2	<2	<2	51	.72	.059	10	41	.82	165	.06	<3	1.81	.01	.07	<2
L18+00E 23+00N	3	31	10	116	.4	38	10	600	3.22	<2	<5	<2	2	31	.3	<2	<2	59	.55	.053	16	51	.93	211	.10	<3	2.24	.01	.10	<2
L18+00E 22+50N	4	35	12	127	.5	37	11	638	3.18	<2	<5	<2	2	31	.2	3	<2	54	.66	.076	23	50	.85	156	.08	<3	2.13	.01	.08	<2
L18+00E 22+00N	4	24	15	100	.5	19	5	359	3.49	3	<5	<2	2	15	<.2	<2	<2	57	.17	.044	25	39	.57	85	.06	<3	2.45	.01	.11	<2
L18+00E 21+50N	3	27	12	103	<.3	33	11	671	3.11	2	<5	<2	2	25	.2	<2	<2	51	.47	.043	13	43	.92	142	.11	<3	1.86	.01	.13	<2
L18+00E 21+00N	5	77	38	341	.6	79	30	3039	5.72	2	<5	<2	3	38	.9	<2	<2	78	.73	.076	42	84	1.59	284	.08	<3	4.10	.01	.17	<2
L18+00E 20+50N	4	51	15	248	.5	55	17	984	4.99	<2	<5	<2	2	44	.5	<2	<2	78	.91	.082	26	79	1.42	209	.09	<3	3.53	.01	.13	<2
L18+00E 20+00N	2	30	11	113	<.3	46	19	910	3.62	3	<5	<2	2	29	.2	<2	<2	70	.36	.048	9	68	1.18	186	.10	<3	2.36	.01	.08	<2
L18+00E 19+50N	3	43	12	159	.6	52	12	728	3.55	4	<5	<2	2	39	.3	<2	<2	62	.79	.074	24	59	1.05	257	.07	<3	2.76	.01	.11	<2
STANDARD C2	21	62	40	145	7.1	74	36	1148	3.80	39	21	9	38	54	20.1	17	18	75	.55	.110	41	65	1.01	208	.09	29	2.00	.06	.14	12

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L18+00E 19+00N	3	24	7	99	<.3	41	9	466	3.86	<2	<5	<2	2	20	<.2	<2	<2	84	.29	.037	9	58	.93	108	.25	<3	1.93	.01	.05	<2
L18+00E 18+50N	4	31	8	110	<.3	41	11	770	4.41	4	<5	<2	2	19	<.2	<2	<2	81	.25	.072	13	62	.91	109	.20	<3	2.45	.01	.05	<2
L18+00E 18+00N	7	35	14	114	<.3	35	21	1525	5.61	18	<5	<2	2	13	<.2	3	<2	100	.16	.056	8	68	.72	129	.21	<3	1.55	.01	.05	<2
L18+00E 17+50N	3	40	9	111	<.3	44	15	835	3.68	8	<5	<2	<2	24	.3	3	<2	65	.45	.051	16	51	1.02	143	.08	<3	2.19	.01	.06	<2
L18+00E 17+00N	2	25	7	86	.3	39	11	571	3.01	<2	<5	<2	2	39	<.2	<2	<2	58	.60	.064	13	53	.92	149	.15	<3	1.57	.02	.05	<2
L18+00E 16+50N	5	42	9	139	.3	61	14	824	4.34	5	<5	<2	2	38	<.2	4	<2	77	.69	.069	20	70	1.13	235	.23	<3	2.74	.02	.07	2
L18+00E 16+00N	6	35	10	143	.4	42	15	987	3.95	7	<5	<2	2	23	<.2	<2	<2	58	.43	.057	16	47	.82	147	.13	<3	1.71	.01	.07	<2
L18+00E 15+50N	3	33	15	176	.3	33	12	859	3.98	7	<5	<2	2	40	.6	<2	<2	54	.92	.088	35	52	.78	200	.11	<3	2.11	.01	.07	<2
L18+00E 15+00N	6	31	15	127	.3	38	23	1384	5.07	6	<5	<2	3	36	.3	<2	<2	107	.76	.079	13	86	.84	178	.17	<3	2.06	.01	.05	<2
L18+00E 14+50N	6	33	19	85	<.3	39	13	521	5.49	12	<5	<2	2	17	.2	6	<2	96	.30	.043	8	67	.85	96	.22	<3	1.94	.01	.04	<2
L18+00E 14+00N	3	17	13	149	<.3	20	5	325	4.02	<2	<5	<2	2	20	<.2	<2	<2	56	.37	.036	13	29	.47	110	.10	<3	2.71	.01	.06	<2
L18+00E 13+50N	9	18	24	260	<.3	18	3	390	6.49	<2	<5	<2	4	16	.7	<2	<2	96	.26	.050	23	42	.40	65	.40	<3	2.78	.01	.03	<2
L18+00E 13+00N	5	16	13	126	<.3	20	3	460	4.67	<2	<5	<2	8	7	<.2	<2	<2	30	.06	.041	52	25	.34	77	.11	<3	4.31	.03	.06	3
L18+00E 12+50N	3	12	11	90	<.3	17	2	273	5.09	<2	<5	<2	4	4	<.2	<2	<2	31	.03	.037	15	26	.34	69	.05	<3	3.73	.01	.07	<2
RE L18+00E 12+50N	3	11	13	90	<.3	16	2	279	5.10	<2	<5	<2	4	4	<.2	<2	<2	31	.03	.036	15	25	.35	68	.06	<3	3.72	.01	.07	<2
L18+00E 12+00N	<1	3	5	53	<.3	2	<1	115	2.19	<2	<5	<2	<2	5	<.2	<2	<2	11	.01	.018	7	4	.13	29	.01	<3	1.44	<.01	.03	<2
L18+00E 11+50N	1	22	4	59	<.3	39	10	327	3.42	5	<5	<2	2	13	.2	2	<2	72	.16	.027	8	62	.84	97	.17	<3	2.87	.01	.04	2
L18+00E 11+00N	2	19	7	64	<.3	37	8	359	4.97	4	<5	<2	2	11	.2	4	<2	93	.16	.021	6	75	1.10	58	.24	<3	2.50	.01	.03	<2
L18+00E 10+50N	2	13	10	49	<.3	24	5	259	3.62	<2	<5	<2	2	12	<.2	3	<2	84	.16	.024	6	56	.69	66	.20	<3	2.12	.01	.05	<2
L18+00E 10+00N	3	20	10	85	<.3	30	6	357	4.79	4	<5	<2	2	9	<.2	3	<2	72	.11	.043	14	54	.71	67	.19	<3	2.49	.01	.04	<2
L18+00E 9+50N	4	25	11	99	<.3	37	8	459	4.38	<2	<5	<2	2	12	<.2	<2	<2	85	.09	.061	14	63	.73	124	.08	<3	3.72	.01	.08	<2
L18+00E 9+00N	3	15	16	168	<.3	34	6	986	7.35	<2	<5	<2	4	11	.5	<2	3	47	.10	.087	24	53	.41	112	.10	<3	4.62	.01	.04	2
L18+00E 8+50N	1	7	4	77	<.3	19	5	333	3.15	<2	<5	<2	<2	13	<.2	4	<2	49	.18	.031	11	40	.75	72	.07	<3	1.77	.01	.04	<2
L18+00E 8+00N	2	15	9	91	<.3	28	9	547	3.43	<2	<5	<2	2	16	<.2	<2	<2	85	.19	.037	9	58	.91	97	.18	<3	2.11	.01	.05	<2
L18+00E 7+50N	1	26	5	76	<.3	35	9	404	3.67	3	<5	<2	<2	20	.2	<2	<2	83	.25	.024	10	63	1.09	109	.17	<3	2.18	.01	.04	<2
L18+00E 7+00N	2	38	12	107	<.3	51	8	370	3.67	3	<5	<2	2	22	<.2	<2	<2	85	.17	.069	13	70	.83	205	.10	<3	3.10	.01	.09	<2
L18+00E 6+50N	2	28	11	95	<.3	62	12	483	4.05	8	<5	<2	2	24	.3	2	2	86	.23	.052	10	80	1.26	158	.11	3	2.69	.01	.07	2
L18+00E 6+00N	1	25	6	85	<.3	61	11	460	3.86	6	<5	<2	2	18	.2	3	<2	78	.23	.047	8	84	1.30	132	.12	<3	2.54	.01	.06	<2
L18+00E 5+50N	1	20	4	84	<.3	49	10	367	3.22	5	<5	<2	2	24	.3	2	<2	76	.51	.044	8	68	1.18	167	.10	<3	2.11	.01	.05	<2
L18+00E 5+00N	2	41	7	99	<.3	72	16	1337	3.83	8	<5	<2	<2	61	.4	4	<2	72	1.98	.088	12	82	1.64	322	.06	4	2.70	.02	.09	2
L18+00E 4+50N	2	27	8	82	<.3	64	13	534	3.99	6	<5	<2	<2	24	.6	<2	<2	88	.42	.047	9	86	1.16	167	.12	<3	2.32	.01	.06	<2
L18+00E 4+00N	1	33	7	81	<.3	53	13	579	3.45	5	<5	<2	<2	30	<.2	<2	<2	75	.39	.065	8	82	1.39	132	.14	<3	2.01	.01	.06	<2
L18+00E 3+50N	2	19	8	63	<.3	36	8	342	3.49	6	<5	<2	<2	16	<.2	<2	2	96	.20	.047	8	76	.85	92	.16	<3	1.81	.01	.04	<2
L18+00E 3+00N	2	21	8	66	<.3	39	10	454	4.78	10	<5	<2	2	15	.3	<2	<2	100	.19	.106	9	76	.94	99	.17	<3	2.17	.01	.04	<2
L18+00E 2+50N	1	28	11	85	<.3	46	9	373	3.78	<2	<5	<2	<2	19	<.2	<2	<2	80	.27	.053	9	72	1.02	146	.11	<3	2.74	.01	.07	<2
STANDARD C2	19	57	35	139	6.7	71	34	1124	3.72	36	23	7	35	50	19.7	15	18	71	.54	.105	38	63	.99	190	.09	27	1.94	.05	.15	10

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L18+00E 2+00N	4	19	16	96	<.3	35	12	1096	7.10	10	<5	<2	3	12	.2	2	<2	145	.17	.312	12	68	.87	103	.21	3	2.13	.01	.04	<2
L18+00E 1+50N	4	21	18	69	.3	25	9	1040	5.76	4	<5	<2	3	35	.3	2	<2	93	.90	.077	22	62	.44	196	.35	3	2.14	.01	.04	<2
L18+00E 1+00N	2	23	13	82	<.3	38	9	532	4.55	<2	<5	<2	2	15	<.2	2	<2	76	.26	.064	12	65	1.06	99	.22	<3	2.34	.01	.03	<2
L18+00E 0+50N	2	85	12	169	.5	71	13	778	3.59	4	<5	<2	2	44	.3	6	<2	61	1.12	.122	20	73	1.18	328	.04	3	2.75	.01	.06	<2
L18+00E 0+00	1	28	6	69	<.3	48	12	502	3.08	4	<5	<2	<2	23	.4	2	<2	68	.40	.063	8	65	1.16	95	.14	<3	1.56	.01	.03	<2
L18+00E 0+50S	1	30	9	74	<.3	57	15	662	3.17	6	<5	<2	2	34	.3	4	<2	62	.51	.065	12	62	1.14	156	.15	3	1.56	.02	.04	<2
L18+00E 1+00S	4	19	9	93	<.3	28	6	368	4.73	6	<5	<2	2	22	.8	4	<2	110	.47	.048	13	70	.54	158	.20	<3	1.38	.01	.05	2
L18+00E 1+50S	2	21	9	83	<.3	44	12	543	4.16	5	<5	<2	2	17	.4	<2	<2	120	.26	.034	7	99	1.24	85	.23	<3	1.87	.01	.03	<2
L18+00E 2+00S	2	29	9	156	<.3	43	14	617	3.82	5	<5	<2	2	21	1.0	4	<2	81	.26	.049	10	77	1.01	168	.17	<3	1.70	.01	.04	<2
L18+00E 2+50S	3	241	14	1491	.6	59	14	761	5.26	<2	<5	<2	2	25	5.9	<2	<2	79	.53	.075	19	80	.91	231	.07	<3	3.67	.01	.07	<2
L18+00E 3+00S	9	72	11	138	<.3	41	20	609	11.17	5	<5	<2	2	15	.4	7	<2	80	.28	.067	9	90	.98	104	.12	<3	2.08	.01	.04	<2
L18+00E 3+50S	1	18	6	71	<.3	57	14	736	4.86	5	5	<2	3	20	.3	<2	<2	95	.45	.044	7	107	1.77	125	.24	<3	2.23	.01	.03	<2
L18+00E 4+00S	1	27	9	90	<.3	62	14	579	3.49	3	<5	<2	2	38	.4	<2	<2	76	.70	.053	9	82	1.38	240	.11	<3	2.24	.01	.06	<2
L18+00E 4+50S	2	35	10	79	.4	54	12	607	3.11	4	<5	<2	2	53	.2	<2	2	64	1.22	.066	14	60	1.10	279	.06	3	2.32	.01	.08	<2
L18+00E 5+00S	1	53	13	98	<.3	99	25	838	4.35	8	<5	<2	2	41	.4	2	<2	84	.90	.059	14	111	1.84	276	.12	4	2.56	.01	.07	<2
L18+00E 5+50S	2	46	8	138	.5	86	14	664	3.50	2	6	<2	<2	44	.4	3	<2	57	1.57	.136	15	86	1.21	290	.04	5	2.58	.01	.06	<2
L18+00E 6+00S	2	40	10	107	.3	103	29	1531	4.94	8	<5	<2	2	39	.6	<2	<2	78	1.15	.070	11	118	1.80	201	.12	3	2.27	.01	.06	<2
L22+00E 24+00N	2	36	6	134	<.3	45	14	825	3.84	4	<5	<2	2	30	.4	<2	<2	64	.74	.055	15	55	1.15	178	.08	4	2.58	.01	.09	<2
L22+00E 24+00N (A)	3	42	7	190	.6	48	9	716	5.73	<2	<5	<2	3	38	.8	<2	<2	72	1.46	.097	36	52	.73	148	.31	<3	4.32	.03	.06	<2
L22+00E 23+50N	3	54	11	136	.9	38	11	1263	3.50	2	<5	<2	2	38	.8	2	<2	45	1.48	.111	37	44	.77	131	.06	3	2.56	.01	.08	<2
L22+00E 23+00N	5	35	14	235	.3	25	10	953	5.21	4	<5	<2	2	26	.6	<2	<2	57	.70	.088	25	42	.70	136	.09	<3	2.31	.01	.07	<2
L22+00E 22+50N	4	34	8	277	.3	31	14	1760	4.58	2	<5	<2	<2	31	1.1	<2	2	63	.79	.076	17	41	.89	192	.08	3	2.81	.01	.09	<2
RE L22+00E 22+50N	5	35	12	297	<.3	35	15	1892	4.86	<2	<5	<2	<2	33	1.1	<2	<2	67	.86	.081	19	44	.95	204	.08	3	3.02	.01	.09	<2
L22+00E 22+00N	4	22	8	138	.5	18	5	334	3.66	<2	<5	<2	<2	11	.2	<2	<2	68	.12	.063	9	38	.51	125	.05	3	2.29	.01	.06	<2
L22+00E 21+50N	2	13	4	85	<.3	20	6	319	2.72	<2	<5	<2	<2	12	<.2	<2	<2	39	.24	.023	5	33	.89	67	.07	<3	1.65	.01	.04	<2
L22+00E 21+00N	3	27	11	138	<.3	36	13	502	3.37	6	<5	<2	2	17	<.2	<2	<2	48	.35	.033	9	41	.94	110	.06	<3	1.94	.01	.07	<2
L22+00E 20+50N	5	52	27	205	.7	57	17	1265	5.55	20	<5	<2	3	36	.6	<2	<2	67	.91	.084	35	49	1.23	236	.18	<3	4.12	.02	.11	<2
L22+00E 20+00N	9	22	13	138	.5	21	14	1374	4.87	<2	<5	<2	2	16	.2	<2	2	64	.25	.074	21	40	.57	124	.10	<3	2.73	.01	.06	<2
L22+00E 19+50N	4	14	10	64	<.3	15	6	803	4.08	<2	<5	<2	<2	8	<.2	2	<2	79	.10	.045	9	40	.51	65	.16	<3	1.61	.01	.04	<2
STANDARD C2	21	60	41	145	7.2	72	36	1276	3.99	37	20	9	38	52	21.1	18	19	74	.58	.108	40	62	1.05	199	.08	29	2.10	.06	.14	12

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L22+00E 19+00N	4	12	3	89	<.3	19	6	438	3.00	<2	<5	<2	<2	20	<.2	2	<2	41	.41	.043	11	33	.78	157	.06	<3	1.76	.01	.07	<2
L22+00E 18+50N	6	41	4	198	<.3	52	15	1130	5.13	8	<5	<2	4	38	.4	<2	<2	74	1.06	.087	27	51	1.14	155	.23	3	3.15	.02	.06	<2
L22+00E 18+00N	4	65	<3	117	<.3	52	20	865	6.87	10	5	<2	6	15	<.2	<2	<2	75	.32	.071	32	51	.94	83	.44	<3	5.17	.03	.03	<2
L22+00E 17+50N	7	31	14	121	<.3	44	12	933	5.51	7	<5	<2	3	24	<.2	<2	<2	75	.50	.076	23	53	.76	167	.16	<3	2.75	.02	.07	<2
L22+00E 17+00N	4	60	7	130	1.2	38	12	694	3.80	10	<5	<2	2	48	.6	<2	<2	48	1.33	.125	34	51	.91	171	.06	3	2.73	.02	.08	<2
L22+00E 16+50N	5	46	5	100	<.3	48	15	965	4.98	7	<5	<2	3	53	.4	<2	<2	70	1.46	.078	36	46	.89	178	.24	<3	3.66	.03	.04	<2
L22+00E 16+00N	11	63	4	122	<.3	40	28	2163	7.21	129	5	<2	2	30	.8	3	<2	101	.56	.046	14	43	.93	138	.07	<3	2.13	.01	.09	<2
L22+00E 15+50N	5	64	4	133	.6	64	14	847	4.92	4	<5	<2	3	38	.3	<2	<2	71	.68	.108	37	57	.87	327	.16	3	4.43	.02	.08	<2
L22+00E 15+00N	5	44	7	172	.6	54	12	790	4.41	3	<5	<2	3	27	.5	5	<2	53	.49	.085	49	45	.98	193	.13	<3	2.94	.02	.09	<2
RE L22+00E 15+00N	5	46	7	187	.6	57	12	836	4.70	3	<5	<2	3	29	.5	<2	<2	56	.52	.087	51	47	1.04	203	.15	3	3.22	.02	.10	<2
L22+00E 14+50N	2	166	7	146	<.3	26	7	1034	3.91	19	<5	<2	2	58	.5	<2	<2	33	2.15	.154	48	30	.48	183	.04	<3	2.85	.01	.08	<2
L22+00E 14+00N	1	200	<3	98	.4	84	18	558	4.35	20	<5	<2	2	37	.6	4	<2	65	1.28	.055	11	153	1.95	89	.17	3	2.85	.02	.03	<2
L22+00E 13+50N	4	94	<3	83	<.3	31	13	1151	4.16	45	<5	<2	2	41	.2	<2	<2	51	1.07	.194	89	56	.89	80	.06	<3	4.48	.01	.03	2
L22+00E 13+00N	1	48	5	87	<.3	36	9	420	2.88	2	<5	<2	<2	30	.2	<2	<2	57	.70	.040	14	50	.98	93	.10	<3	1.93	.01	.05	<2
L22+00E 12+50N	7	19	10	57	<.3	10	1	285	4.24	<2	<5	<2	6	4	.2	<2	<2	25	.07	.043	45	19	.18	41	.13	<3	3.71	.05	.05	2
L22+00E 12+00N	2	30	5	117	.4	27	7	1071	4.13	<2	<5	<2	3	23	.2	3	<2	39	.63	.136	37	28	.91	112	.03	<3	2.96	.01	.07	<2
L22+00E 11+50N	2	5	3	162	<.3	11	2	537	4.41	<2	<5	<2	2	6	<.2	<2	<2	28	.09	.034	14	15	.36	85	.07	<3	2.66	.01	.04	<2
L22+00E 11+00N	4	9	3	130	<.3	31	11	480	3.96	24	<5	<2	2	19	<.2	<2	<2	143	.52	.027	9	70	1.47	114	.28	<3	2.58	.01	.04	<2
L22+00E 10+50N	7	57	26	340	.3	68	14	471	6.06	11	6	<2	2	25	.7	<2	<2	63	.44	.105	17	70	.97	189	.04	<3	4.95	.01	.12	<2
L22+00E 10+00N	7	12	15	274	<.3	26	4	836	5.58	8	<5	<2	6	23	.4	<2	<2	41	.66	.045	28	29	.66	93	.18	<3	2.84	.02	.07	<2
L22+00E 9+50N	6	13	6	123	<.3	27	7	434	3.65	3	<5	<2	2	22	.5	2	<2	77	.38	.028	13	48	.85	163	.14	<3	2.26	.01	.06	<2
L22+00E 9+00N	4	10	11	196	.4	17	2	226	1.86	<2	<5	<2	<2	18	.4	<2	3	20	.44	.044	22	19	.38	95	.10	<3	1.52	.01	.13	<2
L22+00E 8+50N	4	21	8	206	.6	20	4	355	2.33	2	<5	<2	<2	32	.7	<2	<2	27	1.03	.074	25	26	.57	138	.05	4	1.71	.01	.15	<2
L22+00E 8+00N	4	59	4	318	.5	54	11	866	4.28	<2	<5	<2	2	46	.9	<2	<2	62	1.45	.171	39	59	1.20	255	.04	3	3.93	.01	.12	<2
L22+00E 7+50N	2	36	<3	177	<.3	52	15	751	4.37	<2	5	<2	<2	35	.7	<2	<2	84	1.00	.079	11	78	1.47	239	.05	3	3.76	.01	.11	2
L22+00E 7+00N	5	21	7	164	.3	21	9	806	4.34	7	<5	<2	<2	32	.3	<2	<2	64	.89	.107	7	46	.81	157	.02	<3	1.92	.01	.08	<2
L22+00E 6+50N	1	21	6	84	<.3	33	11	539	2.81	4	<5	<2	<2	34	.5	2	2	61	.67	.059	8	49	.96	113	.11	<3	1.54	.01	.06	<2
L22+00E 6+00N	2	45	8	181	<.3	59	15	843	4.05	5	<5	<2	<2	42	.7	2	<2	76	1.01	.076	15	69	1.33	250	.09	3	2.92	.02	.10	<2
L22+00E 5+50N	2	43	3	121	<.3	58	13	741	3.56	6	<5	<2	2	43	.5	<2	<2	73	.82	.060	16	70	1.14	271	.12	<3	2.46	.02	.08	<2
L22+00E 5+00N	2	68	7	129	<.3	75	17	910	4.25	8	<5	<2	2	45	.6	3	<2	80	.92	.060	21	79	1.36	320	.09	<3	2.90	.02	.12	<2
L22+00E 4+50N	1	41	6	142	<.3	63	18	782	4.00	4	<5	<2	2	38	.8	3	<2	81	.61	.049	14	79	1.34	276	.10	3	2.85	.01	.10	<2
L22+00E 4+00N	3	49	7	134	.4	64	17	1380	4.63	6	<5	<2	2	44	.5	<2	<2	85	.96	.074	16	72	1.37	290	.06	4	2.90	.02	.11	<2
L22+00E 3+50N	1	22	5	70	<.3	41	11	489	3.05	4	<5	<2	<2	36	<.2	3	<2	69	.41	.024	10	61	1.12	172	.11	<3	1.83	.01	.06	<2
L22+00E 3+00N	1	41	8	74	<.3	55	15	657	3.15	4	<5	<2	2	33	<.2	4	<2	67	.42	.057	12	61	.89	172	.11	<3	1.82	.01	.06	<2
L22+00E 2+50N	2	18	4	82	<.3	38	13	744	3.85	<2	<5	<2	2	14	<.2	<2	<2	66	.18	.076	10	53	.80	95	.19	<3	2.38	.01	.04	<2
STANDARD C2	20	58	38	140	6.9	71	35	1186	3.79	38	22	9	37	52	19.3	16	19	72	.55	.106	39	63	1.00	194	.08	28	2.02	.06	.14	11

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

ACME ANALYTICAL

G. Belik & Assoc. Ltd. PROJECT KUTCHO FILE # 96-4761

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L22+00E 2+00N	3	18	9	129	<.3	38	11	882	6.74	<2	<5	<2	6	7	<.2	3	4	84	.19	.128	25	55	.82	100	.48	<3	5.49	.03	.05	<2
L22+00E 1+50N	2	21	13	101	<.3	46	11	909	6.15	2	5	<2	2	12	<.2	<2	<2	95	.13	.105	13	109	1.02	102	.24	<3	3.46	.01	.05	<2
L22+00E 1+00N	2	21	12	86	<.3	30	11	592	4.14	<2	<5	<2	<2	17	<.2	<2	<2	109	.25	.057	9	81	.87	134	.19	<3	1.87	.01	.05	<2
L22+00E 0+50N	2	60	9	213	.4	97	28	1521	6.80	<2	<5	<2	4	36	1.6	<2	<2	80	.81	.083	24	66	1.30	277	.32	<3	3.66	.03	.06	<2
L22+00E 0+00	2	20	12	84	<.3	32	13	753	3.81	2	<5	<2	<2	15	.2	2	<2	86	.19	.059	11	57	.71	105	.12	<3	1.79	.01	.05	<2
RE L22+00E 0+00	3	21	9	87	<.3	33	13	807	3.96	2	<5	<2	<2	15	<.2	2	<2	87	.19	.062	11	57	.75	111	.13	<3	1.86	.01	.04	<2
L22+00E 0+50S	3	15	16	74	<.3	22	5	380	4.07	2	<5	<2	2	11	<.2	2	<2	87	.09	.059	14	45	.52	86	.13	<3	2.22	.02	.07	<2
L22+00E 1+00S	1	17	7	56	<.3	40	10	444	3.42	<2	<5	<2	2	20	<.2	<2	<2	76	.34	.047	7	64	1.05	83	.16	<3	1.81	.01	.04	<2
L22+00E 1+50S	1	16	6	50	<.3	29	7	304	2.99	3	<5	<2	<2	21	<.2	<2	<2	73	.36	.036	7	56	.84	103	.15	<3	1.74	.01	.03	<2
L22+00E 2+00S	1	23	11	82	.3	48	13	550	4.26	<2	5	<2	<2	17	.2	4	<2	97	.32	.052	6	89	1.42	94	.17	<3	2.65	.01	.05	<2
L22+00E 2+50S	1	20	12	88	<.3	52	12	514	4.00	4	<5	<2	<2	19	.3	4	3	94	.29	.045	8	90	1.35	116	.16	<3	2.62	.01	.04	<2
L22+00E 3+00S	2	16	12	67	<.3	31	7	342	3.52	3	<5	<2	2	13	<.2	<2	<2	95	.14	.053	13	61	.76	78	.17	<3	2.27	.01	.06	<2
L22+00E 3+50S	2	18	8	68	<.3	36	10	378	4.19	11	<5	<2	<2	24	<.2	<2	<2	100	.35	.050	9	74	1.01	163	.16	<3	1.90	.01	.04	<2
L22+00E 4+00S	2	17	7	77	<.3	32	11	579	4.11	<2	<5	<2	2	24	.2	<2	2	133	.32	.039	7	103	1.02	130	.29	<3	1.75	.01	.07	<2
L22+00E 4+50S	17	80	14	155	.6	158	44	7434	6.72	7	<5	<2	3	53	1.8	<2	3	104	1.19	.100	21	121	2.00	597	.07	<3	4.24	.02	.15	<2
L22+00E 5+00S	2	28	7	96	.6	65	9	402	3.20	2	<5	<2	<2	46	<.2	<2	<2	59	.89	.092	17	73	1.06	260	.08	3	2.31	.02	.09	<2
L22+00E 5+50S	3	41	12	181	.4	68	12	507	4.01	3	<5	<2	2	36	.2	<2	2	61	.71	.090	21	68	.91	240	.06	<3	2.49	.01	.07	<2
L22+00E 6+00S	2	66	10	132	.3	111	18	896	5.99	5	<5	<2	3	31	.4	<2	<2	86	.83	.088	35	81	1.16	265	.30	<3	4.51	.03	.09	3
L26+00E 6+00N	2	35	11	134	.5	48	14	634	4.29	3	<5	<2	<2	32	.2	<2	<2	76	.43	.076	14	62	1.16	187	.05	<3	3.50	.01	.11	<2
L26+00E 5+50N	1	14	6	221	<.3	33	11	462	3.08	<2	<5	<2	<2	36	.3	2	<2	62	.75	.058	8	60	1.18	138	.07	<3	2.23	.01	.06	<2
L26+00E 5+00N	<1	30	7	135	<.3	42	14	636	3.55	<2	<5	<2	2	38	.2	<2	<2	74	.79	.053	13	67	1.37	180	.09	<3	2.50	.01	.09	<2
L26+00E 4+50N	1	32	13	121	.3	46	14	651	3.77	2	<5	<2	<2	38	.2	<2	<2	78	.72	.050	13	70	1.42	226	.08	<3	2.69	.01	.10	<2
L26+00E 4+00N	1	39	6	118	.3	49	17	1065	3.99	<2	<5	<2	<2	50	.2	<2	<2	81	.96	.096	13	67	1.28	323	.05	<3	3.07	.01	.13	<2
L26+00E 3+50N	1	35	6	166	<.3	43	12	598	3.53	<2	<5	<2	<2	43	.2	<2	<2	72	.79	.078	16	58	1.20	278	.05	<3	3.06	.01	.11	<2
L26+00E 3+00N	<1	17	7	182	<.3	34	11	511	3.16	3	<5	<2	<2	34	.2	<2	<2	70	.53	.030	8	53	1.13	180	.11	<3	2.13	.01	.07	<2
L26+00E 2+50N	2	26	10	136	<.3	41	13	904	3.57	<2	<5	<2	2	38	.3	<2	<2	76	.64	.046	11	58	1.22	252	.09	<3	2.58	.02	.09	<2
L26+00E 2+00N	1	18	10	55	<.3	29	7	361	2.54	4	<5	<2	<2	24	<.2	2	<2	51	.25	.057	9	42	.55	123	.09	<3	1.59	.01	.04	2
L26+00E 1+50N	1	27	10	63	<.3	40	12	419	2.85	3	<5	<2	<2	37	<.2	<2	2	59	.31	.053	13	53	.84	184	.08	<3	1.90	.01	.07	<2
L26+00E 1+00N	1	20	7	52	<.3	40	8	412	2.75	2	<5	<2	2	37	<.2	<2	<2	61	.48	.060	11	51	.81	153	.11	<3	1.45	.01	.06	<2
L26+00E 0+50N	1	18	14	63	<.3	28	6	319	2.96	2	<5	<2	<2	24	<.2	4	<2	72	.16	.049	10	54	.71	159	.07	<3	2.52	.01	.08	<2
L26+00E 0+00	1	31	8	110	<.3	56	13	609	3.75	4	<5	<2	<2	24	.2	2	<2	76	.23	.067	15	69	1.17	227	.08	<3	3.13	.01	.08	<2
L26+00E 0+50S	1	36	14	101	<.3	47	13	717	3.70	2	<5	<2	<2	40	<.2	4	<2	74	.31	.046	14	62	1.05	237	.08	<3	2.79	.01	.10	<2
L26+00E 1+00S	1	33	9	102	<.3	49	12	609	3.73	<2	<5	<2	<2	32	<.2	<2	<2	72	.26	.048	13	61	1.08	210	.07	<3	2.99	.01	.09	<2
L26+00E 1+50S	2	42	8	131	.3	45	11	615	4.52	<2	<5	<2	<2	28	.3	<2	<2	100	.24	.063	14	62	.98	245	.04	<3	4.00	.01	.15	<2
L26+00E 2+00S	1	28	13	79	<.3	40	12	650	3.44	4	<5	<2	<2	40	<.2	<2	2	73	.27	.044	14	46	.81	214	.08	<3	2.36	.01	.09	<2
STANDARD C2	20	58	41	140	6.9	70	35	1162	3.81	36	19	8	36	52	19.2	14	19	72	.54	.107	39	61	1.00	200	.09	27	2.02	.06	.14	12

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

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L26+00E 2+50S	1	24	9	85	<.3	38	11	469	3.81	<2	<5	<2	2	22	<.2	<2	<2	75	.26	.050	9	59	1.01	122	.10	3	2.21	.01	.06	<2
L26+00E 3+00S	2	37	14	122	<.3	45	11	558	4.43	<2	<5	<2	<2	24	.2	<2	<2	99	.18	.048	14	63	.92	218	.09	<3	3.80	.01	.12	<2
L26+00E 3+50S	1	30	13	99	<.3	48	16	811	3.26	3	<5	<2	3	36	.2	4	<2	66	.25	.049	14	45	.87	211	.07	3	2.64	.01	.11	<2
L26+00E 4+00S	1	30	13	103	<.3	45	12	581	3.32	<2	<5	<2	2	25	<.2	3	2	64	.19	.036	14	49	.87	162	.05	3	2.75	.01	.11	<2
L26+00E 4+50S	1	16	9	77	<.3	30	7	285	2.48	<2	<5	<2	2	23	<.2	2	<2	51	.21	.046	10	41	.68	106	.07	<3	1.70	.01	.06	<2
L26+00E 5+00S	2	29	7	120	<.3	46	9	407	4.02	<2	<5	<2	2	21	<.2	3	<2	66	.21	.072	15	58	.76	153	.11	<3	3.61	.01	.07	<2
L26+00E 5+50S	2	24	10	76	<.3	50	15	707	3.61	2	<5	<2	2	21	<.2	4	<2	71	.24	.069	9	60	.89	115	.10	<3	2.12	.01	.05	<2
L26+00E 6+00S	3	22	11	86	<.3	37	14	1107	5.60	3	<5	<2	2	15	<.2	2	<2	90	.15	.103	12	73	.72	150	.17	<3	3.10	.01	.05	<2
L30+00E 6+00N	2	27	8	174	<.3	38	13	889	4.20	<2	<5	<2	<2	29	<.2	2	<2	81	.57	.116	19	60	1.17	177	.06	<3	3.39	.01	.11	<2
L30+00E 5+50N	1	26	8	135	<.3	40	11	487	3.39	<2	<5	<2	2	34	<.2	<2	<2	67	.55	.065	20	52	1.13	148	.09	<3	2.54	.02	.09	<2
L30+00E 5+00N	2	25	3	204	<.3	25	6	849	3.43	<2	<5	<2	2	17	<.2	3	<2	34	.25	.031	27	27	.58	114	.04	3	1.55	.01	.09	<2
L30+00E 4+50N	2	31	9	191	<.3	42	16	882	3.93	<2	<5	<2	<2	31	<.2	<2	<2	74	.58	.090	18	60	1.32	189	.07	<3	2.76	.01	.12	<2
L30+00E 4+00N	2	26	9	123	<.3	38	14	733	3.73	6	<5	<2	<2	30	.4	3	<2	77	.46	.062	12	60	1.32	200	.08	<3	2.67	.01	.08	2
L30+00E 3+50N	2	27	8	105	<.3	42	13	665	3.50	4	<5	<2	<2	31	.2	3	<2	73	.50	.062	11	56	1.26	183	.08	<3	2.45	.01	.09	<2
L30+00E 3+00N	5	59	15	161	<.3	73	22	1565	5.83	6	<5	<2	2	55	.7	2	<2	100	.95	.077	30	77	1.49	400	.12	3	4.37	.02	.15	2
L30+00E 2+50N	3	46	10	153	<.3	59	17	1211	4.67	<2	<5	<2	2	46	.3	2	<2	85	.69	.085	17	66	1.29	325	.11	<3	3.72	.02	.12	<2
L30+00E 2+00N	4	67	10	184	<.3	72	18	992	5.61	2	<5	<2	<2	51	.6	2	<2	99	.61	.109	17	77	1.32	370	.06	<3	4.69	.01	.19	3
L30+00E 1+50N	3	50	13	147	<.3	75	18	1008	5.04	<2	<5	<2	3	38	.2	2	<2	85	.46	.053	17	71	1.26	318	.16	<3	3.75	.02	.12	<2
L30+00E 1+00N	3	48	10	155	<.3	66	18	812	5.04	2	<5	<2	2	45	.6	<2	<2	95	.55	.044	11	74	1.43	306	.09	<3	4.17	.01	.13	<2
RE L30+00E 1+00N	3	46	8	151	<.3	66	18	795	4.95	<2	<5	<2	2	43	.6	<2	<2	93	.55	.042	11	74	1.42	296	.08	<3	4.07	.01	.13	<2
L30+00E 0+50N	3	62	12	170	<.3	77	18	789	5.34	5	<5	<2	2	42	.6	<2	2	94	.54	.084	19	77	1.46	402	.07	<3	4.61	.01	.15	3
L30+00E 0+00	1	31	6	115	.4	48	12	583	3.47	<2	<5	<2	2	40	<.2	<2	<2	71	.66	.069	14	58	1.13	234	.09	<3	2.47	.02	.10	<2
L30+00E 0+50S	1	24	8	77	<.3	40	12	551	3.27	<2	<5	<2	2	26	.2	2	<2	64	.31	.047	10	53	.99	158	.09	<3	2.14	.01	.07	<2
L30+00E 1+00S	2	21	6	120	<.3	49	14	621	3.54	<2	<5	<2	2	23	.4	<2	<2	64	.25	.078	12	58	.96	139	.10	<3	3.49	.01	.09	<2
L30+00E 1+50S	2	24	9	66	<.3	29	11	1096	3.46	7	<5	<2	<2	17	<.2	3	<2	88	.14	.084	7	63	.51	130	.08	<3	1.53	.01	.05	<2
L30+00E 2+00S	2	17	10	87	<.3	32	10	621	4.03	3	<5	<2	<2	22	<.2	3	<2	62	.23	.056	10	49	.71	132	.09	<3	2.35	.01	.06	<2
L30+00E 2+50S	1	20	7	55	<.3	37	15	601	2.51	4	<5	<2	2	23	<.2	2	<2	49	.22	.047	11	42	.63	137	.08	<3	1.61	.01	.06	<2
L30+00E 3+00S	2	25	10	74	<.3	46	10	403	3.27	5	<5	<2	2	19	<.2	2	<2	65	.22	.052	13	53	.70	166	.12	<3	2.22	.01	.06	<2
L30+00E 3+50S	13	92	16	1541	.3	117	63	31740	10.46	16	<5	<2	5	50	33.3	<2	<2	119	.94	.131	38	80	.97	1800	.03	<3	5.18	.01	.14	<2
L30+00E 4+00S	2	11	7	62	<.3	26	7	518	2.66	3	<5	<2	<2	16	.2	2	<2	54	.17	.044	9	36	.51	93	.09	<3	1.26	.01	.05	<2
L30+00E 4+50S	2	19	10	56	<.3	34	11	588	3.69	4	<5	<2	<2	19	<.2	2	2	76	.26	.080	11	46	.60	114	.09	<3	1.77	.01	.04	<2
L30+00E 5+00S	2	10	7	49	<.3	18	5	310	2.72	<2	<5	<2	<2	16	<.2	<2	<2	69	.14	.047	7	40	.53	127	.07	<3	2.03	.01	.06	<2
L30+00E 5+50S	1	15	8	74	<.3	34	9	370	3.47	<2	<5	<2	<2	23	<.2	<2	<2	66	.40	.060	8	51	1.00	133	.10	<3	2.00	.01	.05	<2
L30+00E 6+00S	2	23	5	82	<.3	50	10	401	3.10	5	<5	<2	2	24	<.2	<2	<2	58	.21	.053	14	52	.73	183	.10	<3	2.14	.01	.07	<2
STANDARD C2	21	59	41	146	7.0	73	36	1186	3.88	37	21	8	38	54	19.5	17	20	74	.55	.108	40	63	1.03	206	.08	28	2.06	.06	.15	11

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

Appendix II

Statement of Expenditures

Statement of Expenditures

Kutcho Claims, 1996

1. Labour:

G. Belik, M.Sc., P.Geo. July 1-Sept. 14/96 -preparation, permitting and field work	26.5 days		
Oct. 1-31/96 -rock slabbing, litho-logical and alteration studies; preparation of maps	8.0 days		
Dec. 11-28/96 -report	6.2 days		
Total 40.7 days @ $400/day:		$16,280.00	
G. Thompson, prospector/field tech. Aug. 20-Sept. 13/96 -24 days @ $202/day:		4,848.00	
T. Mori, assistant Aug. 20-Sept. 13/96 -24 days @ $156/day:		3,744.00	$24,872.00

2. Expenses and Disbursements:

a) Geochemical Analyses	$6,640.74
b) Drafting	4,476.15
c) Truck Rental	934.80
d) Helicopter Support	4,804.83
e) Fixed Wing Support	1,335.36
f) Food, Meals, Accommodation	1,801.06
g) Camp Rental	600.00
h) Field Supplies & Camp Materials	1,395.28
i) Magnetometer Rental	500.00
j) Vehicle Operating	384.38
k) Field Radio Rentals	148.20
l) U-Tow Rental	411.54
m) Satellite Telephone Rental	1,480.72

n) Expediting		210.00	
o) Freight and Misc. Items		924.50	26,047.56
3.	Report Preparation:		
	-Xerox, Map Prints, Binding, Folders, Secretarial		500.00
			$51,419.56

Appendix III

Writer's Certificate

GARY D. BELIK, M.Sc. , P.Geo.
Consulting Geologist
Mineral Exploration

1815 North River Drive, Kamloops, B.C. V2B 7N4 3768351

CERTIFICATE

I, GARY D. BELIK, OF THE CITY OF KAMLOOPS, BRITISH COLUMBIA, DO HEREBY CERTIFY THAT:

(1). I am employed as a geologist by G. Belik and Associates, located at 1815 North River Drive, Kamloops, B. C.

(2). I am a fellow of the Geological Association of Canada and a member of the Association of Professional Engineers and Geoscientists of British Columbia.

(3). I am a graduate of the University of British Columbia with a B.Sc. in Geology (Honours) and M.Sc. in Geology.

(4). I have practised continuously as a geologist since May, 1970.

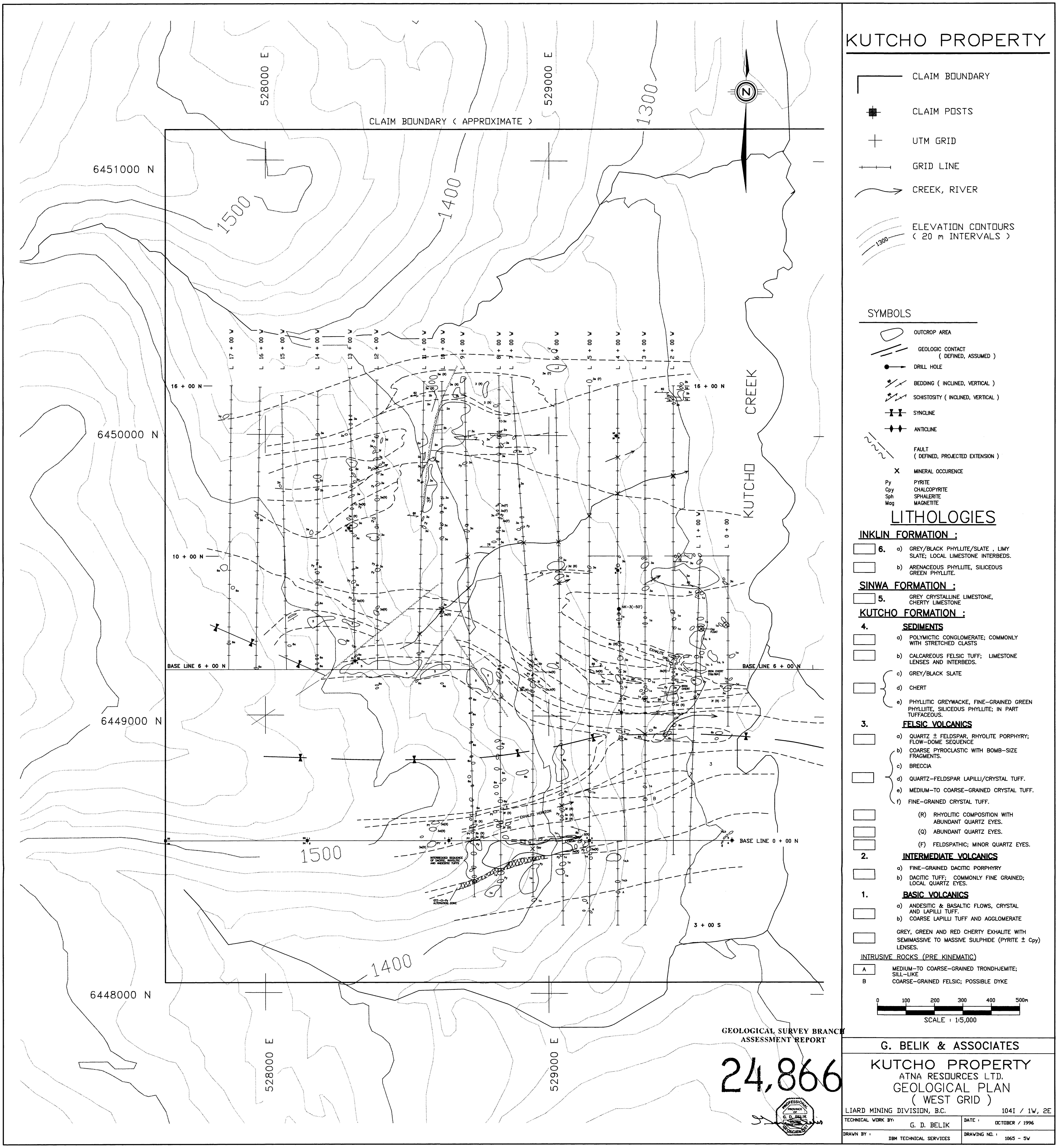
(5). The geological, geochemical and geophysical surveys discussed in this report were carried out by me or under my direct supervision.

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
G. D. BELIK

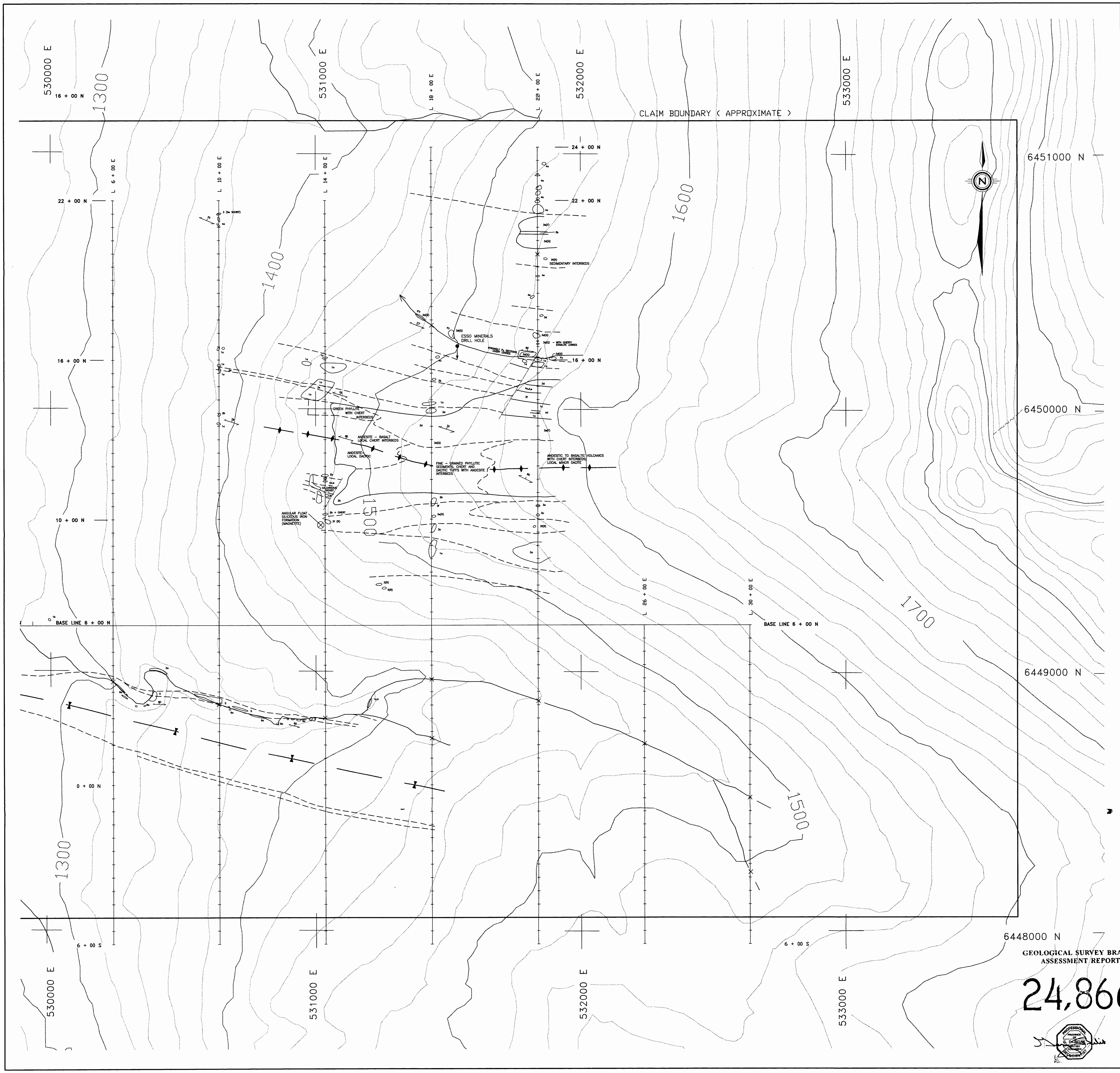
Gary D. Belik, M.Sc., P.Geo.
GEOLOGIST

December 28, 1996
KAMLOOPS, B. C.

G. BELIK AND ASSOCIATES
Consulting Geologist



CLAIM BOUNDARY (APPROXIMATE)
528000 E
529000 E
6451000 N
6450000 N
6449000 N
6448000 N
1500
1400
1300
KUTCHO CREEK
16 + 00 N
10 + 00 N
BASE LINE 6 + 00 N
BASE LINE 0 + 00 N
3 + 00 S
EXHALITE HORIZON
KUTCHO PROPERTY
CLAIM BOUNDARY
CLAIM POSTS
UTM GRID
GRID LINE
CREEK, RIVER
ELEVATION CONTOURS
(20 m INTERVALS)
SYMBOLS
OUTCROP AREA
GEOLOGIC CONTACT
(DEFINED, ASSUMED)
DRILL HOLE
BEDDING (INCLINED, VERTICAL)
SCHISTOSITY (INCLINED, VERTICAL)
SYNCLINE
ANTICLINE
FAULT
(DEFINED, PROJECTED EXTENSION)
MINERAL OCCURENCE
Py PYRITE
Cpy CHALCOPYRITE
Sph SPHALERITE
Mag MAGNETITE
LITHOLOGIES
INKLIN FORMATION :
6. a) GREY/BLACK PHYLLITE/SLATE , LIMY SLATE; LOCAL LIMESTONE INTERBEDS.
b) ARENACEOUS PHYLLITE, SILICEOUS GREEN PHYLLITE.
SINWA FORMATION :
5. GREY CRYSTALLINE LIMESTONE, CHERTY LIMESTONE
KUTCHO FORMATION :
4. SEDIMENTS
a) POLYMICTIC CONGLOMERATE; COMMONLY WITH STRETCHED CLASTS
b) CALCAREOUS FELSIC TUFF; LIMESTONE LENSES AND INTERBEDS.
c) GREY/BLACK SLATE
d) CHERT
e) PHYLLITIC GREYWACKE, FINE–GRAINED GREEN PHYLLIITE, SILICEOUS PHYLLITE; IN PART TUFFACEOUS.
3. FELSIC VOLCANICS
a) QUARTZ ± FELDSPAR, RHYOLITE PORPHYRY; FLOW–DOME SEQUENCE
b) COARSE PYROCLASTIC WITH BOMB–SIZE FRAGMENTS.
c) BRECCIA
d) QUARTZ–FELDSPAR LAPILLI/CRYSTAL TUFF.
e) MEDIUM–TO COARSE–GRAINED CRYSTAL TUFF.
f) FINE–GRAINED CRYSTAL TUFF.
(R) RHYOLITIC COMPOSITION WITH ABUNDANT QUARTZ EYES.
(Q) ABUNDANT QUARTZ EYES.
(F) FELDSPATHIC; MINOR QUARTZ EYES.
2. INTERMEDIATE VOLCANICS
a) FINE–GRAINED DACITIC PORPHYRY
b) DACITIC TUFF; COMMONLY FINE GRAINED; LOCAL QUARTZ EYES.
1. BASIC VOLCANICS
a) ANDESITIC & BASALTIC FLOWS, CRYSTAL AND LAPILLI TUFF.
b) COARSE LAPILLI TUFF AND AGGLOMERATE
GREY, GREEN AND RED CHERTY EXHALITE WITH SEMIMASSIVE TO MASSIVE SULPHIDE (PYRITE ± Cpy) LENSES.
INTRUSIVE ROCKS (PRE KINEMATIC)
A MEDIUM–TO COARSE–GRAINED TRONDHJEMITE; SILL–LIKE
B COARSE–GRAINED FELSIC; POSSIBLE DYKE
0 100 200 300 400 500m
SCALE : 1:5,000
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
24,866
G. BELIK & ASSOCIATES
KUTCHO PROPERTY
ATNA RESOURCES LTD.
GEOLOGICAL PLAN
(WEST GRID)
LIARD MINING DIVISION, B.C.
104I / 1W, 2E
TECHNICAL WORK BY: G. D. BELIK
DATE : OCTOBER / 1996
DRAWN BY : DBM TECHNICAL SERVICES
DRAWING NO. : 1065 - 5W



KUTCHO PROPERTY

CLAIM BOUNDARY

CLAIM POSTS

UTM GRID

GRID LINE

CREEK, RIVER

ELEVATION CONTOURS (20 m INTERVALS)

SYMBOLS

OUTCROP AREA

GEOLOGIC CONTACT (DEFINED, ASSUMED)

DRILL HOLE

BEDDING (INCLINED, VERTICAL)

SCHISTOSITY (INCLINED, VERTICAL)

SYNCLINE

ANTICLINE

FAULT (DEFINED, PROJECTED EXTENSION)

X MINERAL OCCURENCE

Py PYRITE
Cpy CHALCOPYRITE
Sph SPHALERITE
Mag MAGNETITE

LITHOLOGIES

INKLIN FORMATION :

6. a) GREY/BLACK PHYLLITE/SLATE , LIMY SLATE; LOCAL LIMESTONE INTERBEDS.
b) ARENACEOUS PHYLLITE, SILICEOUS GREEN PHYLLITE.

SINWA FORMATION :

5. GREY CRYSTALLINE LIMESTONE, CHERTY LIMESTONE

KUTCHO FORMATION :

4. **SEDIMENTS**
a) POLYMICTIC CONGLOMERATE; COMMONLY WITH STRETCHED CLASTS
b) CALCAREOUS FELSIC TUFF; LIMESTONE LENSES AND INTERBEDS.
c) GREY/BLACK SLATE
d) CHERT
e) PHYLLITIC GREYWACKE, FINE-GRAINED GREEN PHYLLIITE, SILICEOUS PHYLLITE; IN PART TUFFACEOUS.

3. **FELSIC VOLCANICS**
a) QUARTZ ± FELDSPAR, RHYOLITE PORPHYRY; FLOW-DOME SEQUENCE
b) COARSE PYROCLASTIC WITH BOMB-SIZE FRAGMENTS.
c) BRECCIA
d) QUARTZ-FELDSPAR LAPILLI/CRYSTAL TUFF.
e) MEDIUM-TO COARSE-GRAINED CRYSTAL TUFF.
f) FINE-GRAINED CRYSTAL TUFF.
(R) RHYOLITIC COMPOSITION WITH ABUNDANT QUARTZ EYES.
(Q) ABUNDANT QUARTZ EYES.
(F) FELDSPATHIC; MINOR QUARTZ EYES.

2. **INTERMEDIATE VOLCANICS**
a) FINE-GRAINED DACITIC PORPHYRY
b) DACITIC TUFF; COMMONLY FINE GRAINED; LOCAL QUARTZ EYES.

1. **BASIC VOLCANICS**
a) ANDESITIC & BASALTIC FLOWS, CRYSTAL AND LAPILLI TUFF.
b) COARSE LAPILLI TUFF AND AGGLOMERATE

GREY, GREEN AND RED CHERTY EXHALITE WITH SEMIMASSIVE TO MASSIVE SULPHIDE (PYRITE ± Cpy) LENSES.

INTRUSIVE ROCKS (PRE KINEMATIC)

A MEDIUM-TO COARSE-GRAINED TRONDHJEMITE; SILL-LIKE
B COARSE-GRAINED FELSIC; POSSIBLE DYKE

0 100 200 300 400 500m

SCALE : 1:5,000

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,866

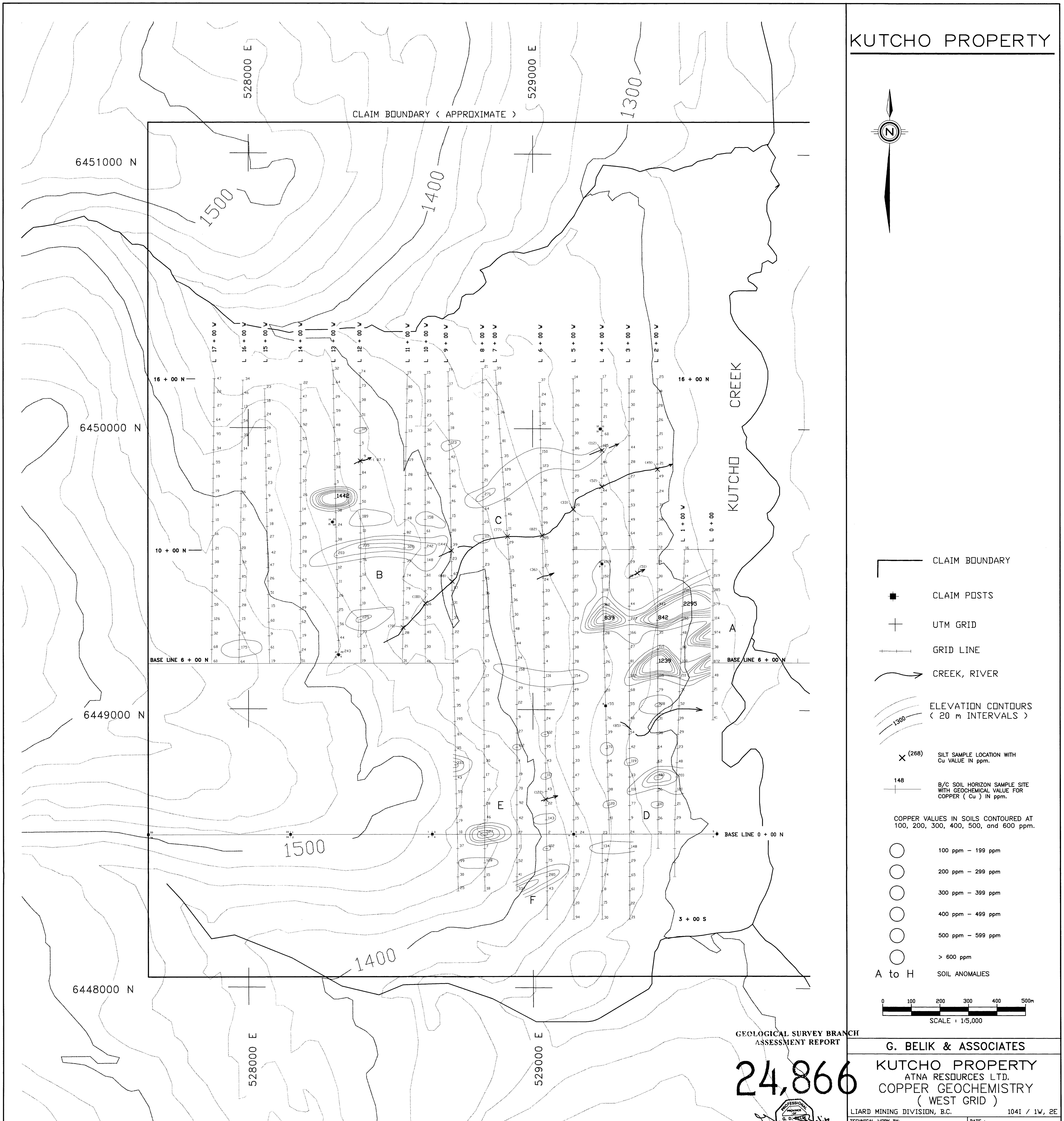
G. BELIK & ASSOCIATES

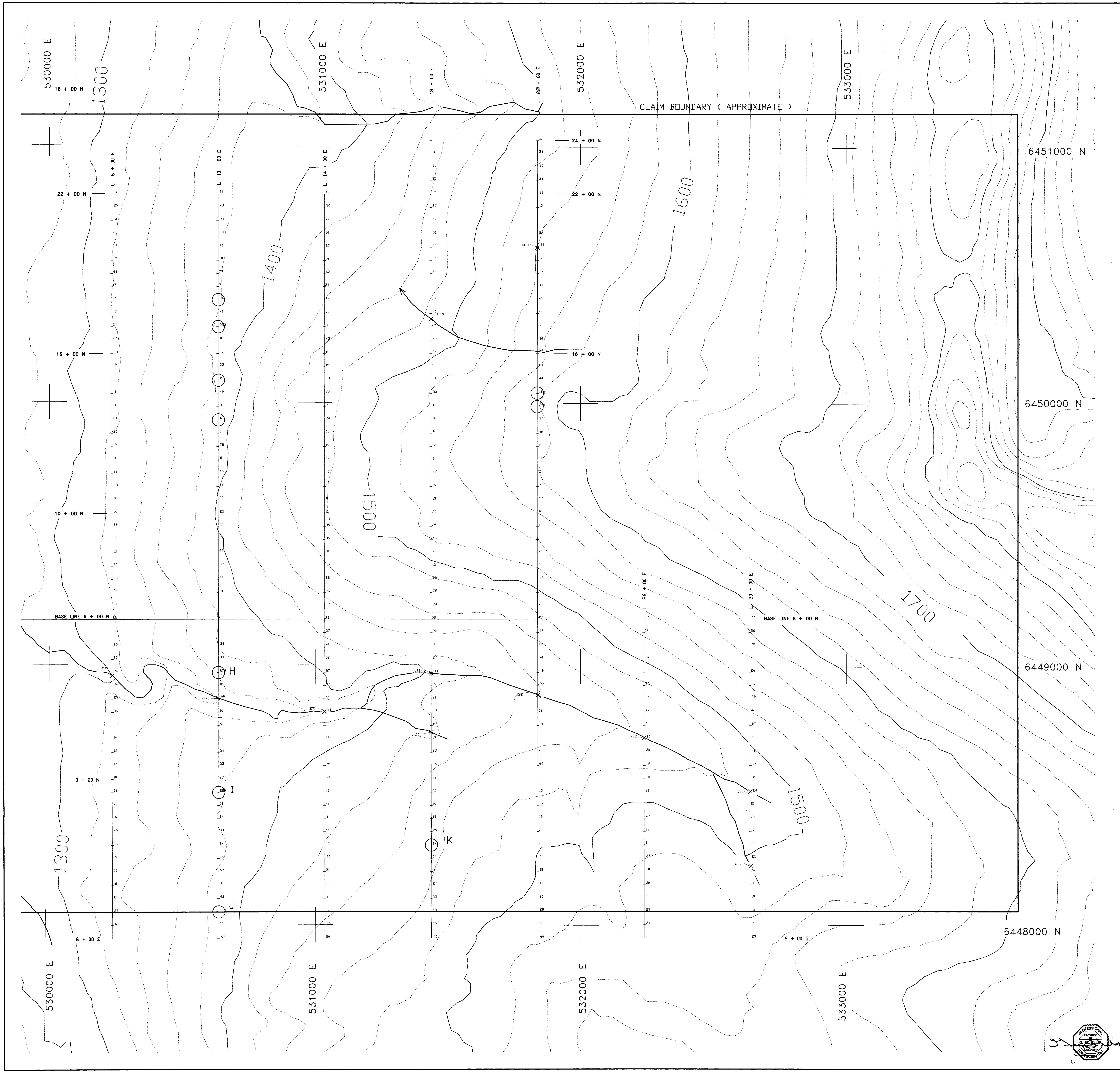
KUTCHO PROPERTY
ATNA RESOURCES LTD.
GEOLOGICAL PLAN
(EAST GRID)

LIARD MINING DIVISION, B.C. 104I / 1W, 2E

PROFESSIONAL GEOSCIENTIST, PROVINCE OF BRITISH COLUMBIA, G. D. BELIK

TECHNICAL WORK BY:	G. D. BELIK	DATE :	OCTOBER / 1996
DRAWN BY :	DBM TECHNICAL SERVICES	DRAWING NO. :	1065 - 5E


KUTCHO PROPERTY
CLAIM BOUNDARY (APPROXIMATE)
528000 E
529000 E
6451000 N
6450000 N
6449000 N
6448000 N
1500
1400
1300
KUTCHO CREEK
16 + 00 N
10 + 00 N
BASE LINE 6 + 00 N
BASE LINE 0 + 00 N
3 + 00 S
A
B
C
D
E
F
CLAIM BOUNDARY
CLAIM POSTS
UTM GRID
GRID LINE
CREEK, RIVER
ELEVATION CONTOURS (20 m INTERVALS)
SILT SAMPLE LOCATION WITH Cu VALUE IN ppm.
B/C SOIL HORIZON SAMPLE SITE WITH GEOCHEMICAL VALUE FOR COPPER (Cu) IN ppm.
COPPER VALUES IN SOILS CONTOURED AT 100, 200, 300, 400, 500, and 600 ppm.
100 ppm – 199 ppm
200 ppm – 299 ppm
300 ppm – 399 ppm
400 ppm – 499 ppm
500 ppm – 599 ppm
> 600 ppm
A to H SOIL ANOMALIES
SCALE : 1:5,000
GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT
24,866
G. BELIK & ASSOCIATES
KUTCHO PROPERTY
ATNA RESOURCES LTD.
COPPER GEOCHEMISTRY
(WEST GRID)
LIARD MINING DIVISION, B.C.
104I / 1W, 2E
TECHNICAL WORK BY: G. D. BELIK
DATE: OCTOBER / 1996
DRAWN BY: DBM TECHNICAL SERVICES
DRAWING NO.: 1065 - 8W



KUTCHO PROPERTY

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,866

	CLAIM BOUNDARY
	CLAIM POSTS
	UTM GRID
	GRID LINE
	CREEK, RIVER
1300	ELEVATION CONTOURS (20 m INTERVALS)
× (268)	SILT SAMPLE LOCATION WITH Cu VALUE IN ppm.
148	B/C SOIL HORIZON SAMPLE SITE WITH GEOCHEMICAL VALUE FOR COPPER (Cu) IN ppm.

COPPER VALUES IN SOILS CONTOURED AT 100, 200, 300, 400, 500, and 600 ppm.

○	100 ppm – 199 ppm
○	200 ppm – 299 ppm
○	300 ppm – 399 ppm
○	400 ppm – 499 ppm
○	500 ppm – 599 ppm
○	> 600 ppm
H to K	SOIL ANOMALIES

0 100 200 300 400 500m

SCALE : 1:5,000

G. BELIK & ASSOCIATES

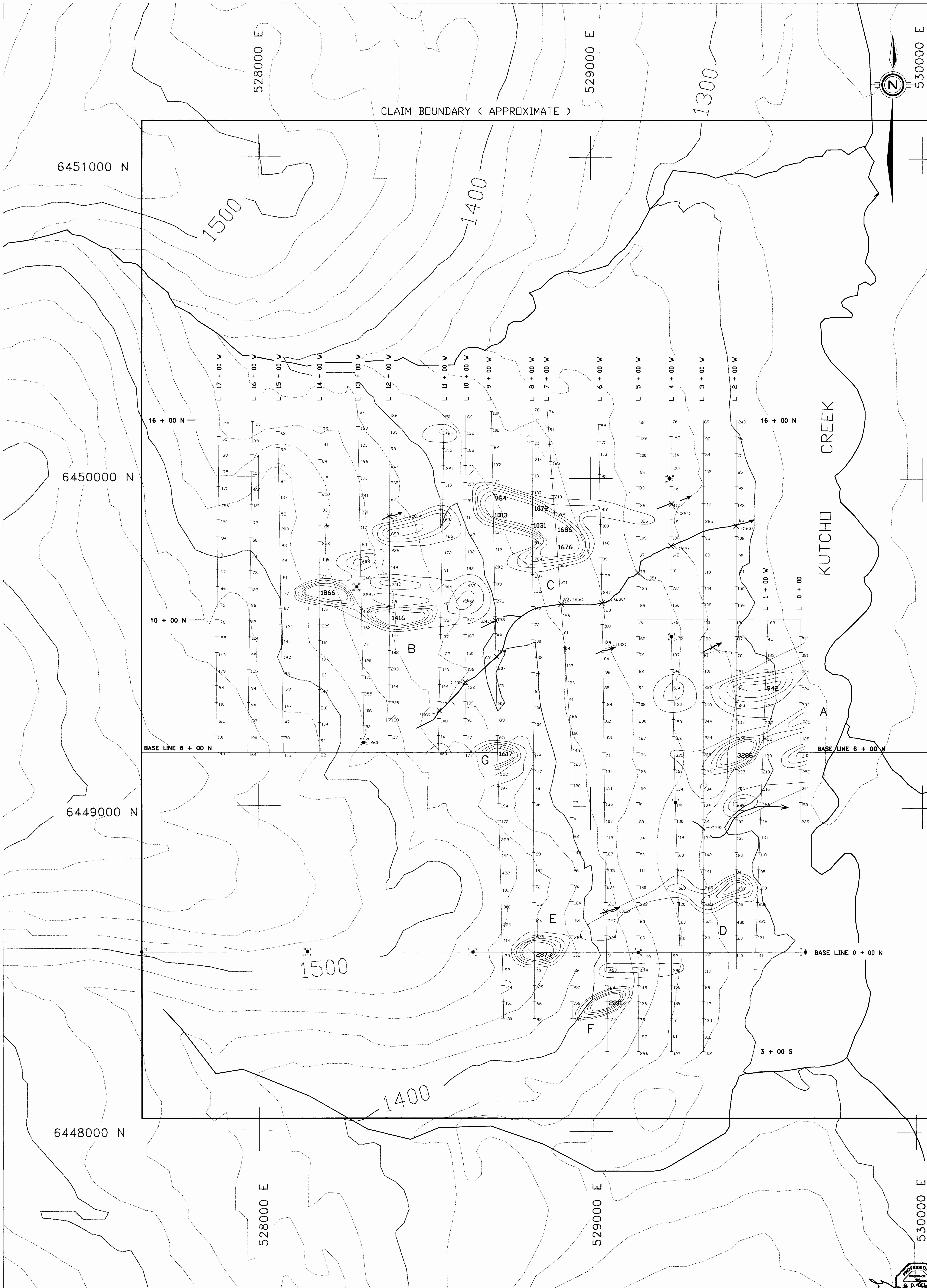
KUTCHO PROPERTY

ATNA RESOURCES LTD.

COPPER GEOCHEMISTRY (EAST GRID)

LIARD MINING DIVISION, B.C. 104I / 1W, 2E

TECHNICAL WORK BY:	G. D. BELIK	DATE :	OCTOBER / 1996
DRAWN BY :	DBM TECHNICAL SERVICES	DRAWING NO. :	1065 - 8E



KUTCHO PROPERTY

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,866

CLAIM BOUNDARY

CLAIM POSTS

UTM GRID

GRID LINE

CREEK, RIVER

ELEVATION CONTOURS (20 m INTERVALS)

× (789) SILT SAMPLE LOCATION WITH ZINC VALUE IN PPM.

445 B/C SOIL HORIZON SAMPLE SITE WITH GEOCHEMICAL VALUE FOR ZINC (Zn) IN ppm.

ZINC VALUES IN SOILS CONTOURED AT 300, 450, 600, 750 AND 900 ppm.

300 ppm – 449 ppm

450 ppm – 599 ppm

600 ppm – 749 ppm

750 ppm – 899 ppm

900 AND GREATER

A to G SOIL ANOMALIES

0 100 200 300 400 500m

SCALE : 1:5,000

G. BELIK & ASSOCIATES

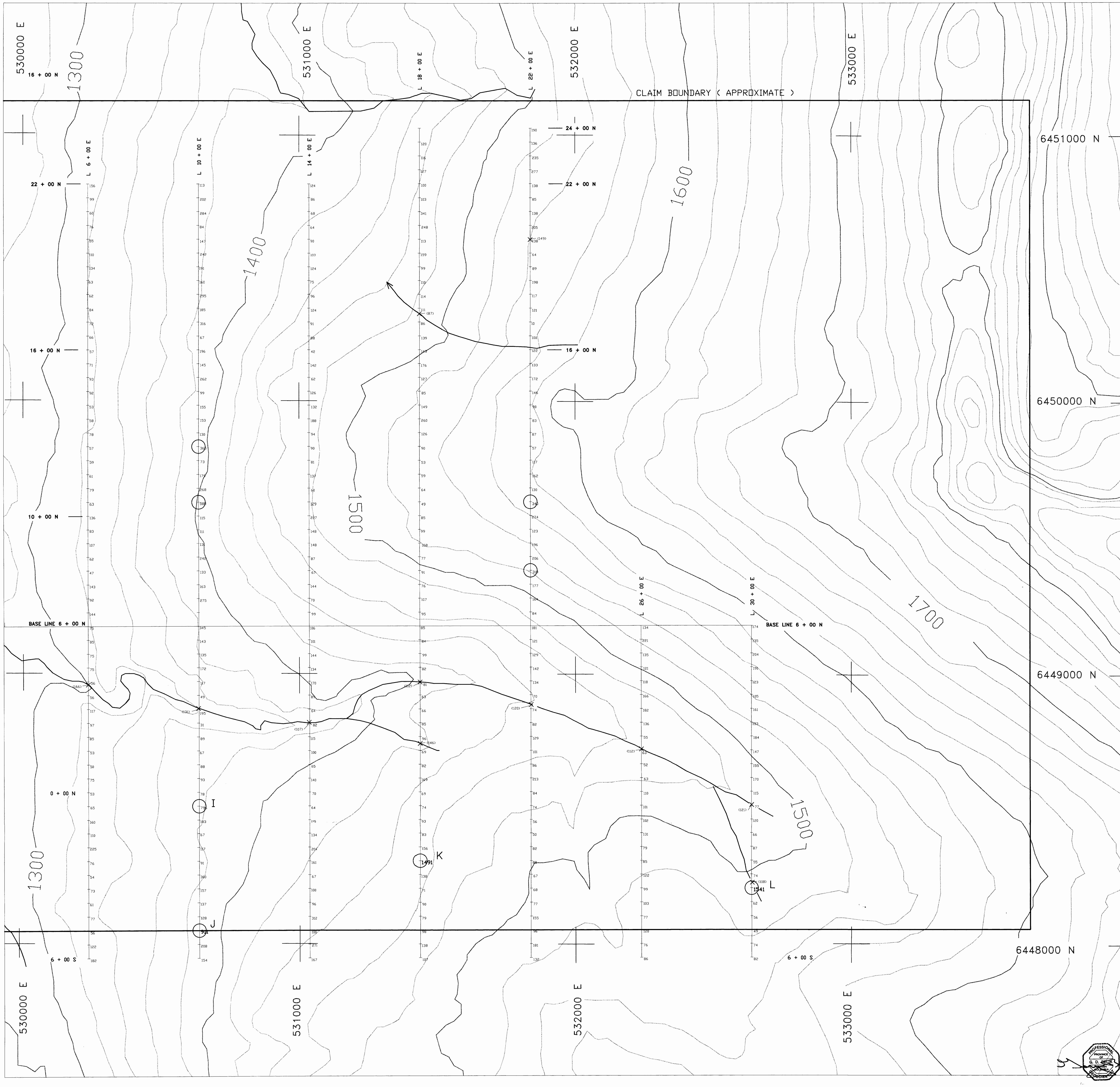
KUTCHO PROPERTY

ATNA RESOURCES LTD.

ZINC GEOCHEMISTRY
(WEST GRID)

LIARD MINING DIVISION, B.C. 104I / 1W, 2E

TECHNICAL WORK BY:	G. D. BELIK	DATE :	OCTOBER / 1996
DRAWN BY :	DBM TECHNICAL SERVICES	DRAWING NO. :	1065 – 9W



KUTCHO PROPERTY

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,866

CLAIM BOUNDARY

CLAIM POSTS

UTM GRID

GRID LINE

CREEK, RIVER

ELEVATION CONTOURS (20 m INTERVALS)

× (789) SILT SAMPLE LOCATION WITH ZINC VALUE IN PPM.

445 B/C SOIL HORIZON SAMPLE SITE WITH GEOCHEMICAL VALUE FOR ZINC (Zn) IN ppm.

ZINC VALUES IN SOILS CONTOURED AT 300, 450, 600, 750 AND 900 ppm.

300 ppm – 449 ppm

450 ppm – 599 ppm

600 ppm – 749 ppm

750 ppm – 899 ppm

900 AND GREATER

I to L SOIL ANOMALIES

0 100 200 300 400 500m

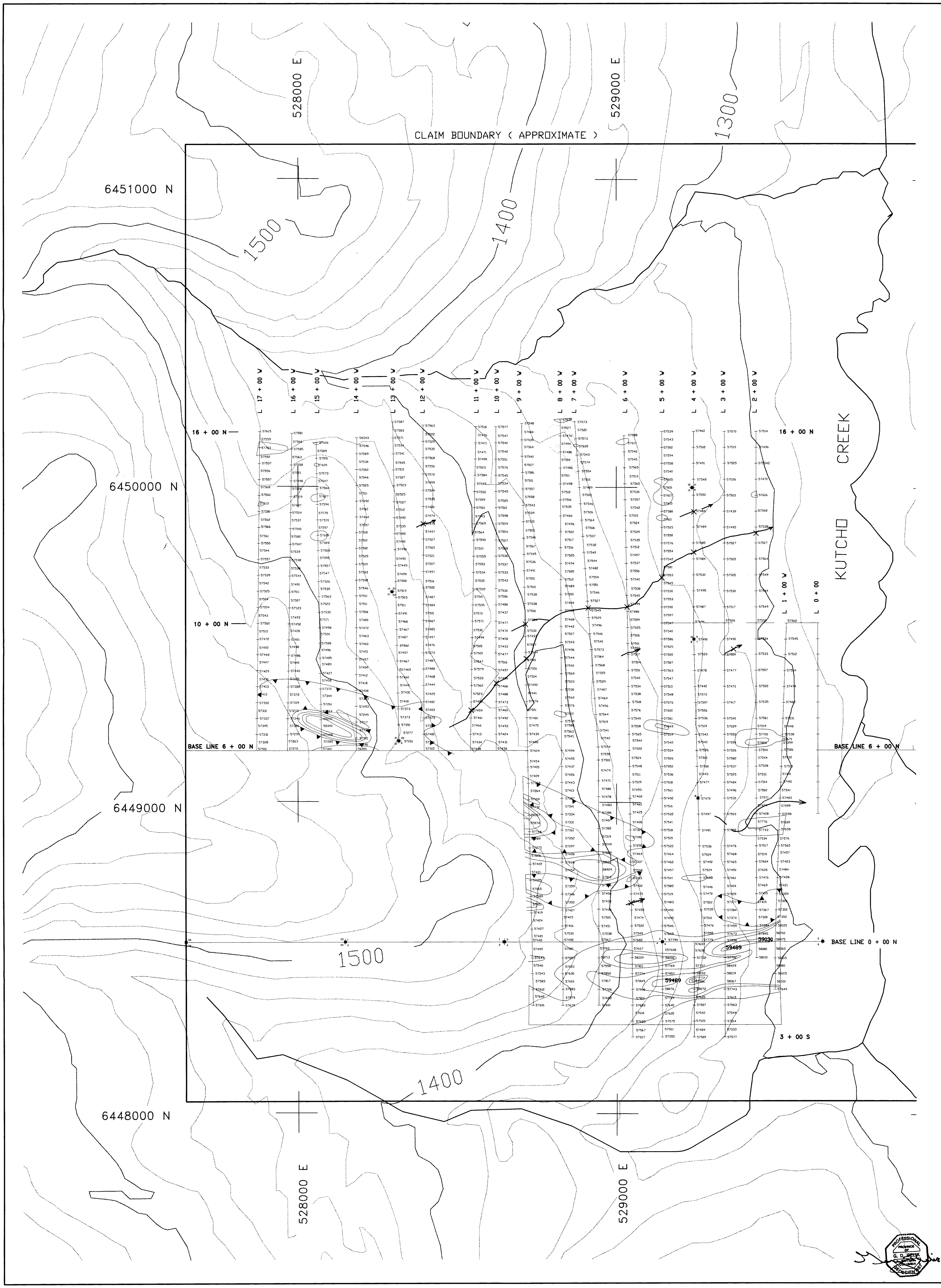
SCALE : 1:5,000

G. BELIK & ASSOCIATES

KUTCHO PROPERTY
ATNA RESOURCES LTD.
ZINC GEOCHEMISTRY
(EAST GRID)

LIARD MINING DIVISION, B.C. 104I / 1W, 2E

TECHNICAL WORK BY:	G. D. BELIK	DATE :	OCTOBER / 1996
DRAWN BY :	DBM TECHNICAL SERVICES	DRAWING NO. :	1065 - 9E



KUTCHO PROPERTY

N

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,866

CLAIM BOUNDARY

CLAIM POSTS

UTM GRID

GRID LINE

CREEK, RIVER

ELEVATION CONTOURS (20 m INTERVALS)

57485 MAGNETIC READINGS IN GAMMAS (TOTAL FIELD)

VALUES CONTOURED AT 57000, 57200, 57400, 576000, 578000, 58000, AND 59000.

59,000 AND GREATER

58,000 – 58,999

57,800 – 57,999

57,600 – 57,799

57,400 – 57,599

57,200 – 57,399

57,000 – 57,199

LESS THAN 57,000

0 100 200 300 400 500m

SCALE : 1:5,000

G. BELIK & ASSOCIATES

KUTCHO PROPERTY
ATNA RESOURCES LTD.
MAGNETIC PLAN
(WEST GRID)

LIARD MINING DIVISION, B.C.	104I / 1W, 2E
TECHNICAL WORK BY: G. D. BELIK	DATE: OCTOBER / 1996
DRAWN BY: DBM TECHNICAL SERVICES	DRAWING NO.: 1065 - 16