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CEDAR CREEK PROPERTY, B.C.
GEOLOGICAL, GEOCHEMICAL
AND GEOPHYSICAL SURVEYS
NTS 93A/11W,12E
52°34'N,121°30'W

Prepared For:
Operator: CEDARMINE RESOURCES INC.
Owner: Raymond A. Cook

By:
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Mineral Exploration Consultant

and

HARDY ASSOCIATES (1978) LTD.
Calgary, Alberta

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CG12080

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EXECUTIVE SUMMARY

An exploration programme for gold was conducted on the Cedar Creek property of Cedar Mine Resources Inc. between October 17 and November 9, 1985. The property is located 6 km south of the Village of Likely in the Cariboo Mining District of British Columbia.

A grid was cut and soils were sampled at 50 m intervals and analyzed for gold, silver, copper and zinc. The grid was mapped insofar as snow permitted, prospected and sampled on a reconnaissance basis. A magnetometer survey was carried out with readings at 25 m stations.

Seven zones of potential mineralization were outlined by the combined survey methods.

The most significant of these zones are A,B and C which lie along a major interpreted fault expressed in Cedar Canyon. All three zones are strongly anomalous in gold, silver and copper in soils. Economic values of gold in bedrock have been previously reported in Zone A. Within this Zone is an adit approximately 30 m long driven into the side of the canyon in the mid 20's. Stripping, sampling and limited induced polarization surveys have been recommended in these zones.

Zones D and E, unlike Zones A,B and C, lie in an area of significant magnetic variation which appears to be fault limited to the west and possibly to the south. Bedrock characteristics are not known but these zones are characterized by high, if erratic, gold, silver, copper and zinc in soils. Complete coverage with induced polarization is

recommended for the area of Zones D and E together with mapping of the probably sparse outcrop.

Zone F is characterized by high silver in soils with associated gold and zinc. It appears to lie on a north trending fault. There is no magnetic expression. This zone appears to strengthen to the southwest off the grid. It is recommended to extend the grid to the southwest on this zone and to carry out detailed mapping and induced polarization surveys.

In addition, a gold-zinc anomaly, Zone G occurs in the extreme northern part of the grid. Detailed mapping is recommended for this zone.

1.0 INTRODUCTION

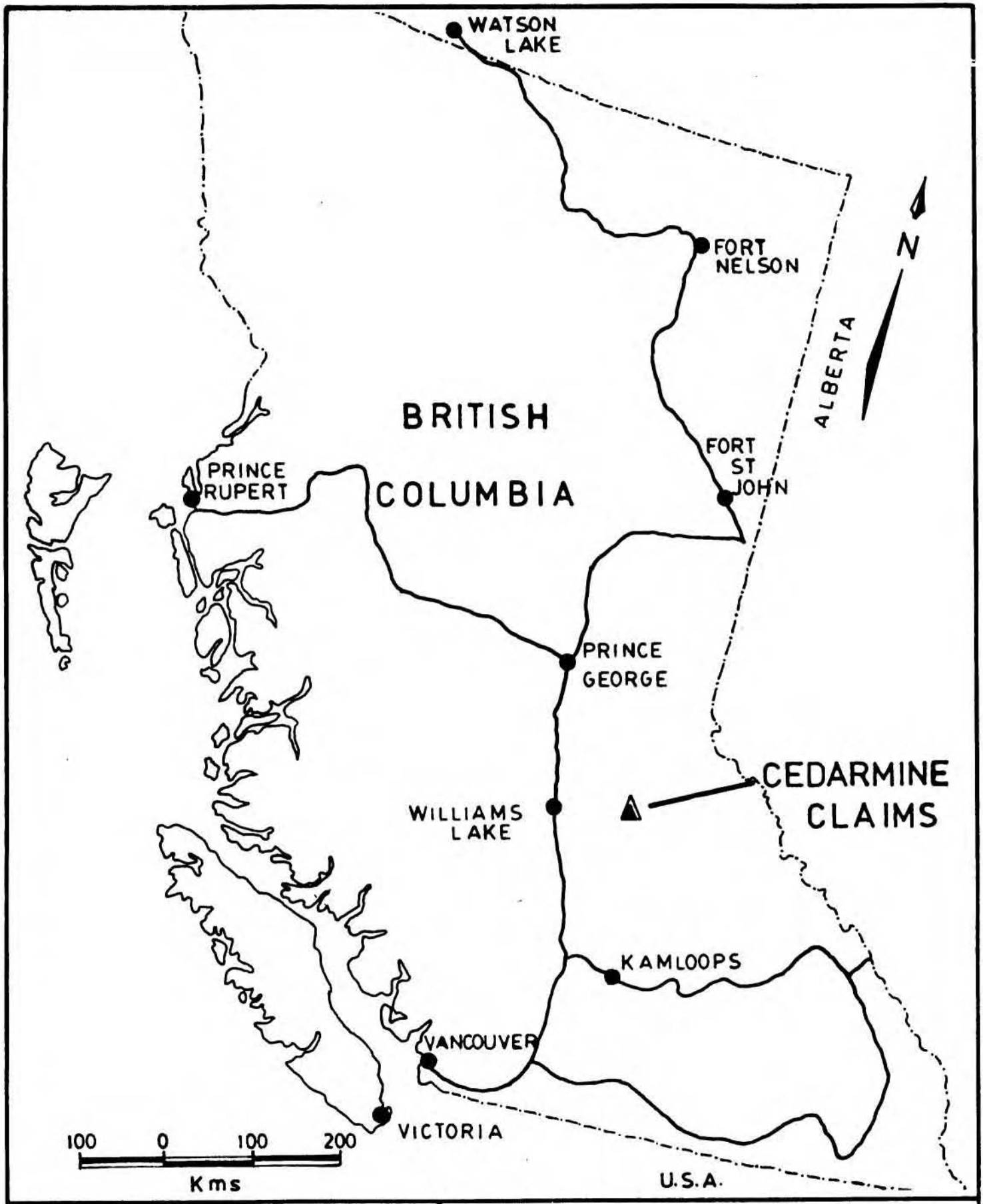
A field exploration programme involving geological, geochemical and geophysical surveys was performed during October and November, 1985 on the Cedar Creek Grid, B.C. property of Cedarmine Resources Inc. Geochemical sampling was carried out by Ketza Enterprises Ltd., and geophysical surveys by Hardy Associates (1978) Ltd. The field programme was under the direction of Susan A. Scott, M.Sc., FGAC, who was directly responsible for the geological mapping. The work was commissioned by Raymond A. Cook on behalf of Cedarmine Resources Inc.

The purpose of the surveys was to locate gold-copper mineralization in bedrock which is largely overlain by glacial and fluvial deposits to varying depths.

Surveys consisted of linecutting, geological mapping and sampling of available outcrop, soil sampling and analysis, and a magnetometer survey.

2.0 PROPERTY LOCATION AND ACCESS

The Cedar Creek property is located in the Cariboo Mining Division of British Columbia, approximately 65 kilometres northeast of Williams Lake (Figure 1). Williams Lake is served by scheduled airlines, and the property is then reached by paved and gravel secondary highways, a distance of 85 kilometres. The town of Likely is located 6 kilometres north of the property.



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CEDARMINE RESOURCES INC.
LOCATION MAP

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FIGURE 1

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The ground held consists of the CLIONA Claim (20 units), with the ERNEST, LILLY, ANG, LOR, ROCKY, HARRIET, TOUCAN, NANCY AND CEDAR CREEK claims contiguous to the north (Figure 2). Company reports have referred to this property as the ROX Group.

3.0 TOPOGRAPHY

The property is located largely on a plateau (elevation 970 m) above Quesnel Lake. Cedar Creek traverses the property from southeast to northwest, flowing rapidly in a steep-walled canyon.

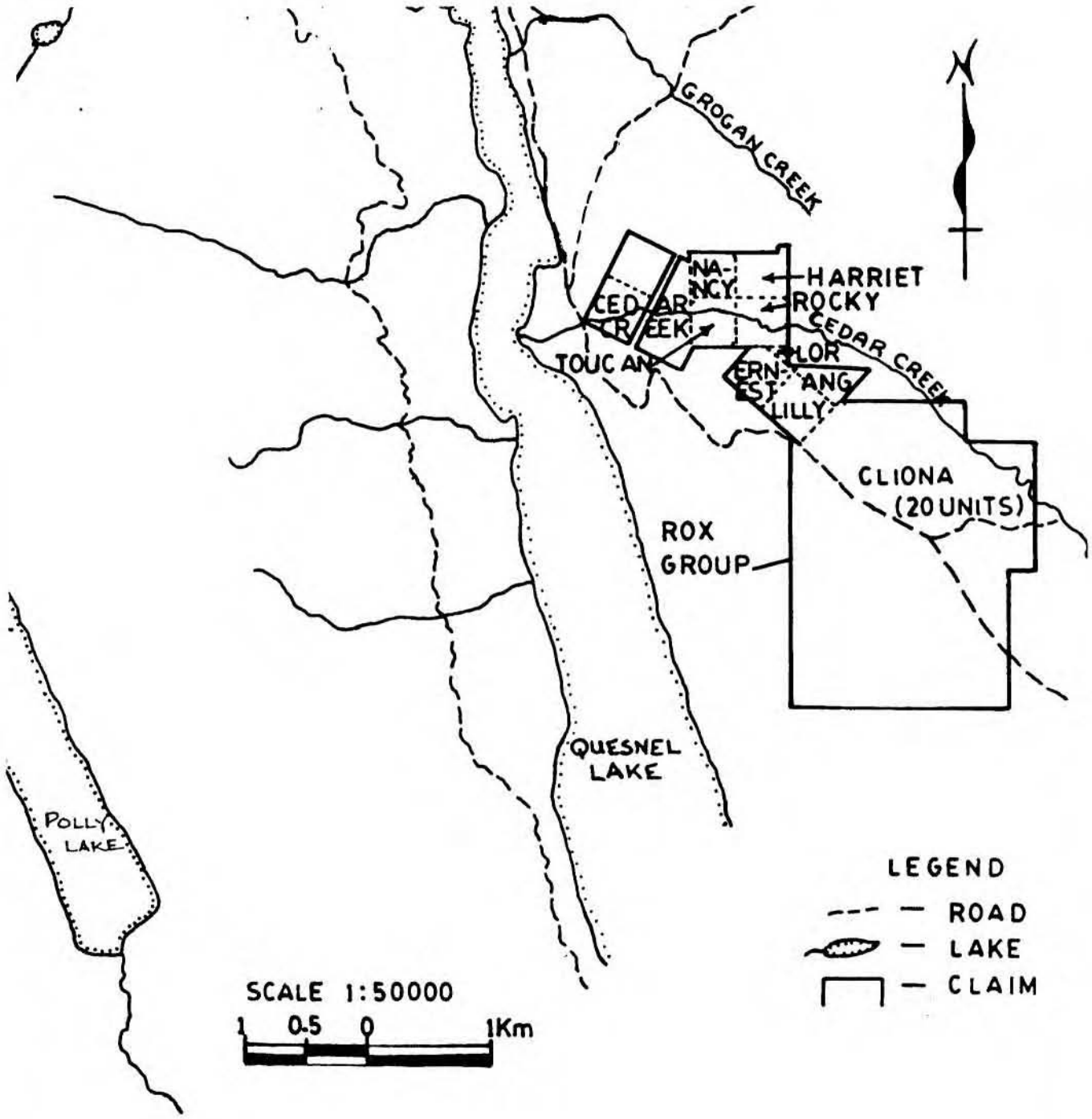
The plateau area is almost totally covered by a veneer of gravels over bedrock. Outcrop is common only in parts of the canyon walls.

4.0 REGIONAL GEOLOGY

The property lies within the eastern portion of the Quesnel Trough, a northwest-trending series of miogeosynclinal volcanics and intrusives of upper Triassic to lower Jurassic age.

The rocks of this group are mainly augite porphyries, with pyroclastic rocks usually more prevalent than flows. Regionally, the volcanic rocks are associated with a heterogeneous assemblage of volcaniclastic sediments, greywacke and minor siltstone and limestone (Souther, 1977). However, sediments are locally rare.

Chemically, the rocks of this belt are predominantly pyroxene-rich andesites and basalts. Intrusive rocks range from diorite to syenite, and are considered to be either coeval and comagmatic with the volcanics, or possibly slightly younger (lower Jurassic).



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CEDAR CREEK PROPERTY
DISPOSITION MAP

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FIGURE 2

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5.0 PREVIOUS WORK

The Cedar Creek area has been a site of placer gold exploration and production since the late 1800's (Cockfield and Walker, 1932). At first only the lower part of the creek itself was mined. Then in 1921, gold was discovered in the gravels on the plateau immediately south of the canyon (BCDM, 1922). Placer activity has been carried out sporadically up to the present time; evidence of this work is clearly visible in the many old buildings, abandoned equipment and disturbed state of the overburden.

In the 1950's, a dragline operation left a deep trench and ridge 1 kilometre long through the grid area.

The source of the placer gold has never been explained. Placer operations often mined the upper 1-2 metres of bedrock along with the pay gravels. The gravel itself consists predominantly of angular fragments of the same composition as the bedrock, and the gold pieces are not much worn or travelled in appearance. Depth of gravel and "boulder clay" ranges up to 5 m in the placer area.

In 1923 an adit was driven on a bedrock showing in the north canyon wall approximately 1.6 km above the creek's junction with Quesnel Lake (BCDM, 1924). This adit is still open. Values up to 3.2 oz/t gold and 3.0 oz/t silver were reported. Pyrrhotite, pyrite, arsenopyrite, galena and chalcopyrite were reported as irregular mineralization in a calcite-chlorite-altered andesite gangue. Red stained areas on the canyon walls indicated three zones in all, the largest 1.2 to 2.4 m in width and 90 m in length.

From 1969 to 1973, claims covering the present property area were explored by Leemac Mines Ltd. (BCDM,1969,1971). Magnetometer and soil geochemical (copper) surveys were done. Copper values up to 600 ppm, with background 50 ppm were recorded, and an anomalous zone striking NW-SE was found. A strong NW-SE trend in magnetics was noted, and was interpreted as northwesterly-trending faults disrupting the volcanics. In 1973, one hole (75 metres) was drilled on the JOY 5 claim (upper Cedar Creek, 1.6 km below Cedar Dam) but results are not known.

In 1977, Longbar Minerals Limited commissioned a brief soil sampling survey for gold on the PESO, PESO B and PESO E Claims lying just east of the Cedarmine property (BCDM, 1977). Soil values up to 6700 ppb Au were noted in an area of old placer and bedrock workings. Mineralized quartz vein systems are hosted by Paleozoic phyllites, which display pyrite and carbonate alteration. This system lies to the east of the Quesnel Trough boundary fault.

From 1979 to 1983, Rhamco Resource Exploration and Consultants Inc. conducted exploration on the present claim group. Work done included prospecting, rock sampling, soil geochemical sampling (Au,Ag,Cu,Pb) and a magnetometer survey. Circular magnetic anomalies with a northwest trend were observed. Rock samples from the Cedar Canyon adit area assayed up to 0.5 oz/t Au, 1.62 oz/t Ag, 0.16% Cu, 6.2% Zn and 6.8% Pb. Soil samples (77) averaged 490 ppb Au, 700 ppb Ag, 86 ppm Cu and 2.3 ppm Pb. (Cedarmine Resources, 1985).

6.0 FIELD PROGRAMME

6.1 LINECUTTING

Linecutting consisted of 60.65 km, this work being done by Ketza Enterprises Ltd. of Vancouver. Linecutting crews worked on the grid from October 17 to 30 inclusive.

The grid consists of a baseline and tie line, each 2.6 km long and cross lines spaced 50 m apart (Figure 3). Portions of lines 314+50 to 317N could not be run on the steepest canyon walls (Plate 1).

6.2 GEOLOGICAL MAPPING AND ROCK SAMPLING

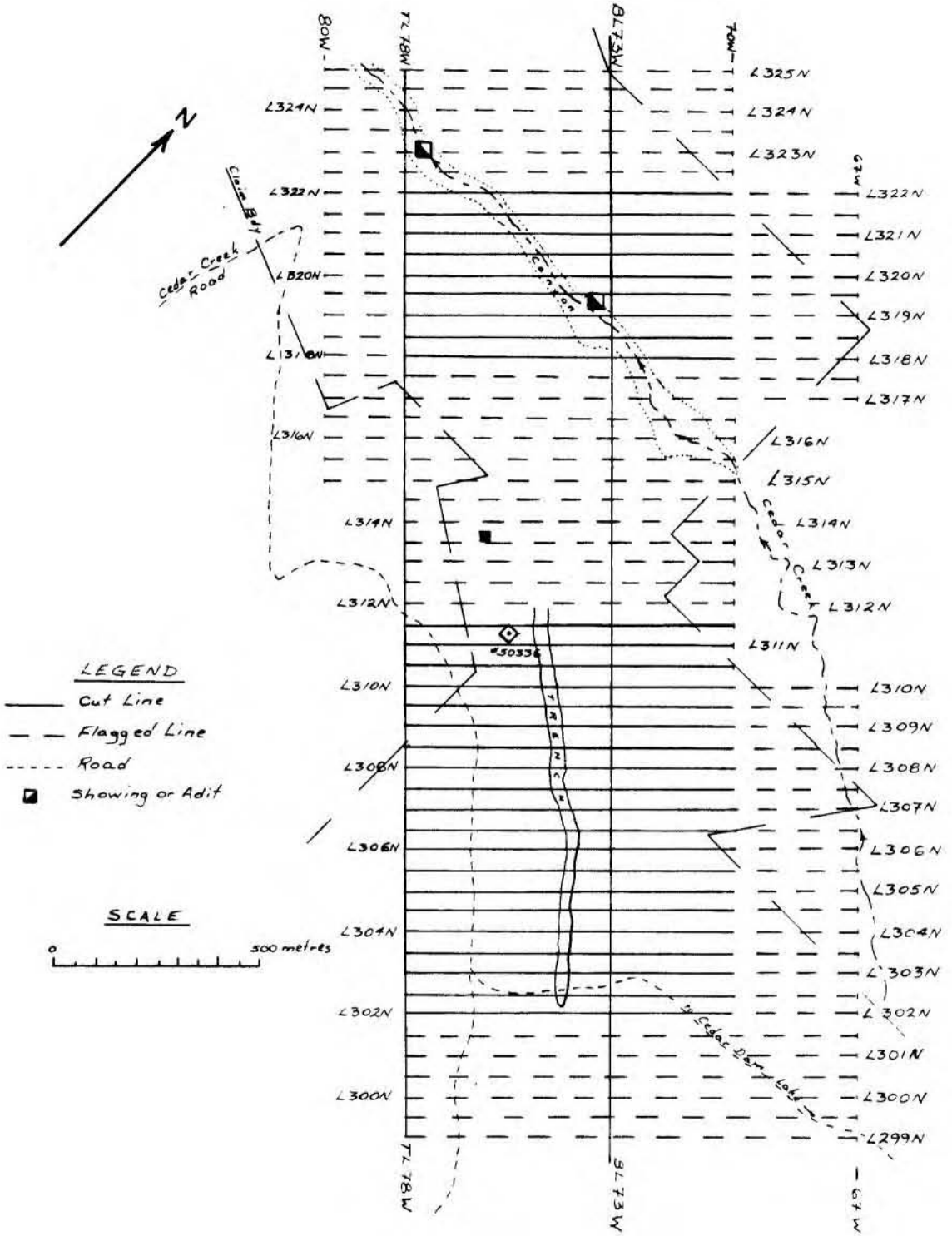
Field mapping, prospecting and rock sampling were performed by S.A. Scott and K.G. Murphy between October 23 and Nov 9, 1985. Sixteen field man-days were worked in total.

Eighteen rock samples were taken during the work. All were analyzed for Au, Ag, Cu and Zn by Barringer Magenta in Calgary. Results are included in Appendix A and Table 1.

6.3 GEOCHEMICAL SOIL SAMPLING

Soil sampling was done by the linecutting crews simultaneously with the cutting. They took a total of 1132 samples at 50 m intervals where possible on all lines.

All soils were analyzed for Au, Ag, Cu and Zn by Barringer Magenta in Calgary. Results are included in Appendix A.



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CEDAR CREEK GRID

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FIGURE 3

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TABLE 1. ROCK SAMPLES

SAMPLE NO.	ASSAY NO.	TYPE	LOCATION, DESCRIPTION	GEOCHEM VALUE Au ppb	Ag ppm	Cu ppm	Zn ppm
CCR-85-1	6301	4 m chip	gossan andesite at Cedar Ck/main road	2	0.24	29	49
CCR-85-2	6302	4 m chip	gossan andesite at Cedar Ck/main road	< 2	0.15	31	63
CCR-85-3	6303	3 m chip	black sheared material Cedar Ck/main road (limey mudstone?)	< 2	0.12	27	64
CCR-85-4	6347	grab	321+90N/74+10W; amygd. andesite w.hbl, py 1%, cp, po	6	0.1	80	80
CCR-85-5	6348	grab	318+50N/71+35W; rusty and., carb-rich	850	1.3	620	107
CCR-85-6	6350	3 m chip	inner end of CC adit, 30 m from portal: up N side	68	0.3	98	120
CCR-85-7	6351	3 m chip	15 m (½ way) in from portal, up N side of drift	29	0.17	54	68
CCR-85-8	6352	grab	L323N/74+25W; rusty andesite, cubic py 10-20%	3	0.1	100	52
CCR-85-9	6354	grab	325N/76+80W; hbl. andesite + augite; 1% aspy?	56	0.14	160	52
CCR-85-11	6349	grab	319+75N/74+50W - gossan carbonated sheared andesite in gully	8	0.5	113	99
CCR-85-12	6353	grab	322+50N/75W talus andesite w. aspy, py to 1%	91	0.09	156	49
CCR-85-13	6356	2 m chip	317+20N/71+95W; shattered gossan zone, silicious, aspy to 1%, py	< 2	0.15	150	140
CCR-85-14	6357	2 m chip	317+10N/71+90W; same type as 13	3	0.17	160	89
CCR-85-15	6358	1 m chip	315+90N/70+35W; cb.v.zone (vein 15 cm). Andes.V. carbonated, rusty. Cb pink-buff	11	0.24	87	72
CCR-85-16	6359	2 m chip	315+80N/71+85W; Discov.Gulch-sheared rusty and.w.cbv.10-20 cm	8	0.34	125	71
CCR-85-17	6360	grab	315+25N/72+30W; Discov.Gulch-sheared, rusty andesite	26	1.05	124	168
CCR-85-18	6361	grab	307+55N/67+53W silicified pale grey rhyolite, vfg	6	1.64	370	52
CR-85-3	6355	grab	Cedar Dam - sheared gossan andesite. Py diss. to 5%, tr cpy	4	0.12	360	33
BR-85-1	6304	grab	fg andes w.diss py to 10% ,galena? End of road below Hampton's pit (BAN)	920	4.35	910	3.3%

Soil samples were taken with a mattock in mineral soil at a minimum depth of 20 cm. Kraft paper bags were used; the samples were dried before being shipped to Calgary for analysis.

6.4 GEOPHYSICAL SURVEY

A magnetometer survey was performed by W. Hemstock of Hardy Associates between October 26 and November 8, 1985 inclusive. A total of 55.45 line-km was surveyed at 25 m intervals, with intermediate readings at 12.5 m in areas of large lateral changes.

The magnetic measurements were made with an EDA PPM 350 Total Field Magnetometer. To correct the field observations for diurnal variations in the magnetic field an EDA PPM 375 Recording Base Station Magnetometer was used. Both the field and base station magnetometers were equipped with digital memories to store data for the duration of the day. A detailed description of the equipment is given in Appendix E.

A magnetic base station was established near the Cedarmine Resources Inc. field office located about 3 km south of Likely. The base station magnetometer was programmed to take readings every 30 seconds. At the end of each day the data sets from the field magnetometer and base station magnetometer were merged to form a set of field data corrected for diurnal variation. The results of the magnetic survey are shown on Plate 4.

7.0 DISCUSSION OF RESULTS

7.1 GEOLOGICAL MODEL

It is suggested that gold deposits in the geological environment of the Cedar Creek claim group could occur in the following manner (Figure 4).

The andesitic volcanic sequence in the area contains coeval and comagmatic dioritic segregations whose margins vary from sharply defined to gradational. Shortly after the formation of this terrain, syenitic bodies were intruded, possibly as small plutons with a profusion of small dyke- and sill-like appendages that extend a considerable distance from the parent body. The syenite may also be chemically related to the andesite-diorite assemblage.

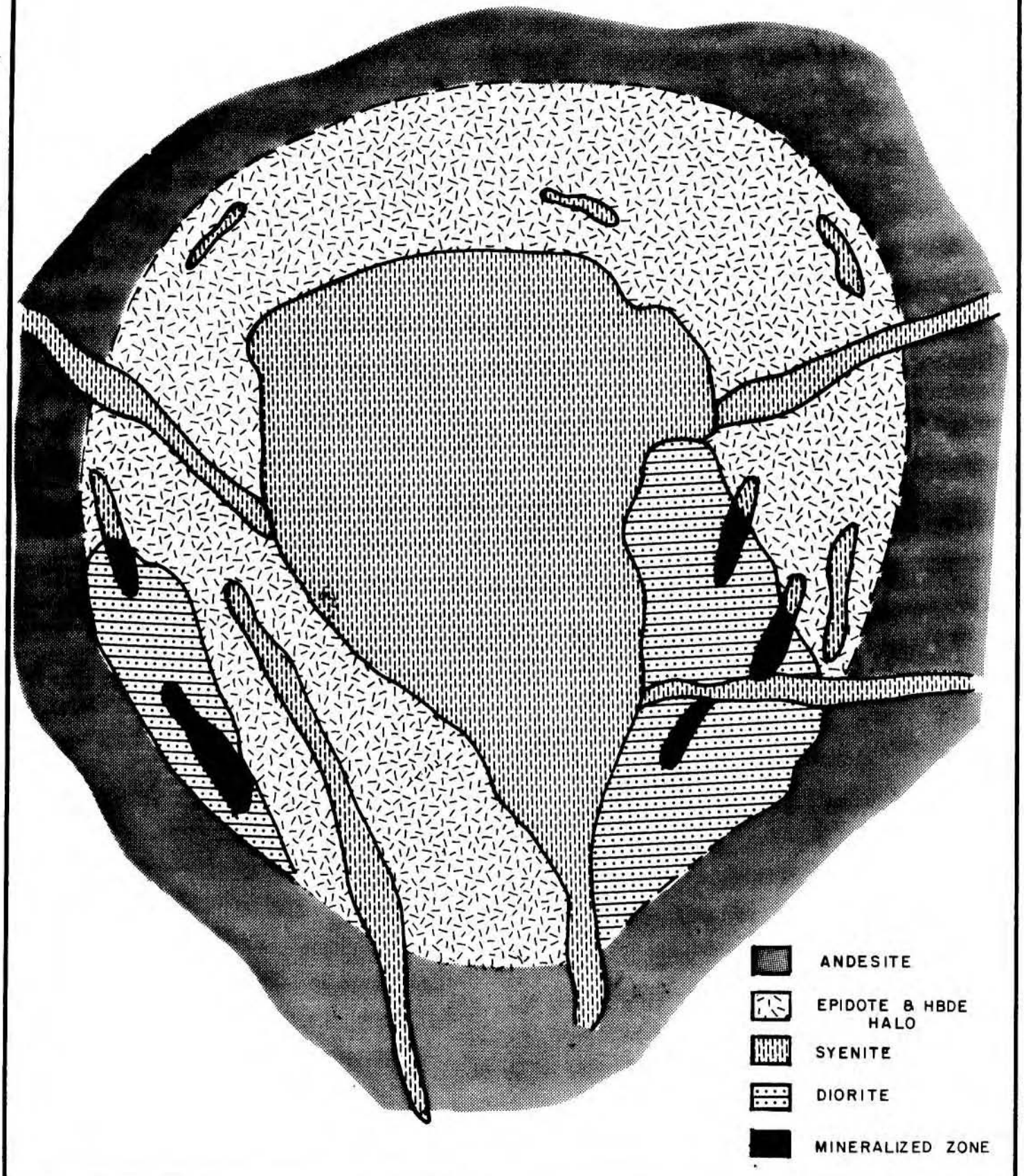
Syenite intrusion resulted in the formation of an extensive epidote-hornblende (propylitic) aureole, and in the mobilization of gold, silver and copper-bearing solutions. These solutions tended to concentrate preferentially in the coarser-textured diorite segregations.

The source of the metals may be the volcanic sequence itself.

7.2 GEOLOGY

The geological map resulting from this work is presented as Plate 1.

Outcrop is rare within the grid area, except along the walls of Cedar Canyon. Numerous exposures were found along the



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CEDARMINE RESOURCES INC.
GEOLOGIC MODEL

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FIGURE 4

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creek banks. Also, between lines 314N and 319N, the canyon walls are generally steep outcrop faces or cliffs. Upstream from L314N, the canyon is shallower and narrower, and outcrop is not as common.

Mapping of the plateau was of a strictly reconnaissance nature, owing to the weather and the advanced season. Only two outcrops were noted - at 303+25N/75+50W and 312+50N/76+25W. Both were andesitic, sheared, with gossan in places.

The rocks in the main part of the canyon are mainly andesitic, with a variety of textures. Diorite was not seen in outcrop, but angular diorite talus was observed near the canyon adit.

In the upper part of the canyon, more variety of rock type occurs. Medium grained dioritic rock was observed, along with fine-grained to very fine-grained rusty-weathering rhyolitic material.

Off the grid to the east, at Cedar Dam, an extremely rusty-weathering, sheared outcrop of andesite was visited and sampled (low Au, Ag and Zn, 360 ppm Cu, see Table 1, CR-85-3).

Syenite was not observed on the Cedar Creek grid.

Andesite

Andesite on the property is variable in texture and alteration. Colour is medium to dark grey to grey-green, often with augite phenocrysts up to 1 cm in diameter and plagioclase laths in a fine-grained matrix. Quartz was rarely observed, except as a siliceous alteration. Pyrite is a

common accessory, occurring disseminated, as fine stringers and blebs, or disseminated on fracture planes. Chalcopyrite was seen occasionally, especially in the vicinity of the canyon adit. Arsenopyrite was noted finely disseminated in talus material at 322+50N/74+75W.

Textures observed were commonly amygdaloidal, with carbonate filling the cavities, agglomeratic, rarely vesicular, massive, often porphyritic, brecciated, tuffaceous. On steep slopes around L318N, lapilli tuff was seen, with darker "bombs" rich in augite phenocrysts in a lighter-weathering tuffaceous matrix.

Alteration features include silification, carbonatization, hornblende crystal formation, chloritization and rarely epidote. Rusty carbonatization was intense in the gully in the south wall between 315N and 316+50N.

Shearing was commonly seen - most outcrops displayed some evidence of shearing, ranging up to extremely friable textures.

Diorite

Separately identifiable diorite bodies with contacts were not seen. It is suspected that contacts are gradational, and that the diorite observed, mineralogically similar to the andesites, is a coarser phase of the andesite. Augite and plagioclase phenocrysts are common, and general grain size ranges up to 5 mm. Epidote was noted occasionally. Some feldspars in diorite material show a pinkish colour, suggesting potash feldspar.

Rhyolite

In the upper portion of the creek, from 305+50N to 308N, a rhyolitic rock type was observed. This is pale grey-green, fine-grained, uniform-textured, with finely disseminated pyrite (1%) throughout. Occasionally larger pyrite crystals (to 2 mm) and pyrrhotite were seen. The rock is rusty weathering, with a weathering rind a few millimetres thick. Thin chlorite stringers and medium green chloritized patches were observed locally.

A variation was seen, of a medium grey rhyolitic rock, again rusty-weathering, with disseminated pyrite up to 2%.

In one location, a few bright green patches (chrome green as in fuchsite) up to 5 mm were seen.

Structure

Most shearing and faulting that was observed is steeply dipping with a northerly trend (i.e. perpendicular to the lower canyon). A secondary direction appears to parallel the creek and the lower canyon.

In the vicinity of the canyon adit, however, the primary shear direction is northeasterly.

A fault (lineament) has been interpreted to trend northerly, crossing Cedar Creek at L320N. At this point, prominent gullies occur on both sides of the canyon.

Shearing parallel to Cedar Creek suggests that a fault runs up the creek between L315N and 325N, creating a zone of weakness.

Mineralization

Strong pyrite-chalcopyrite mineralization and gossan was observed in the vicinity of the canyon adit. The area is highly sheared, brecciated, leached and chloritized. Pyrrhotite is present locally. Silicification and hornblende formation are common in the andesite. Carbonate veining up to 10 cm wide was seen on the south bank of the creek, along with some pyrite and chalcopyrite. Two samples taken of material within the adit assayed 68 and 29 ppb Au. One sample 75 m above the adit assayed only 3 ppb Au. However, a talus sample containing arsenopyrite and taken 50 m east assayed 91 ppb Au (see Table 1 and Plate 1). This area is clearly gold-enriched.

Sample CCR-85-5 at 318+50N/71+35W, assayed 850 ppb Au, the highest gold assay obtained in the programme. Andesite at this point is rusty, carbonate-rich, amygdaloidal, with a trace of pyrite - mineralization does not appear strong, but gold is strongly present.

Mineralization at the creek between lines 307 and 308 needs further investigation, though a sample of this material assayed only 6 ppb Au. Pyrite-pyrrhotite disseminations are locally strong, more obvious than in most andesitic material. The relationship between rock types is not yet understood, but the change could have significance with respect to mineralization.

At line 305+50N/74+50W in the dragline trench, float was observed that consisted of a coarsely crystalline calcite vein containing rounded brown sphalerite crystals and trace pyrite. The vein was hosted by grey, medium-grained andesite.

Coarse carbonate veins are not common on the property. One vein 10 cm wide was observed at 322+75N/75+50W, and another 15 cm wide at 316N/70+25W. Neither of these contained sphalerite.

7.3 SOIL GEOCHEMISTRY

Contoured analytical results are presented as Plates 2a,b,c and d.

A strong positive correlation between gold and copper is evident from the correlation matrix of un-transformed data. This fact may have significance in later work on mineral associations in this area i.e. gold-copper mineralization related to dioritic stocks at Cariboo-Bell and QR deposits.

A positive correlation also exists between log-transformed copper-gold and zinc-silver. The second is easily seen in the scattered high values of these two metals in Plate 4. This is probably related to minor galena-sphalenite mineralization.

Gold

The original calculations of mean and standard deviation (S.D.) used all data points, and gave 16.7 and 44.6 ppb Au respectively (Appendix A). However, it is recognized that in this placer area the "free gold" effect in soils can be

responsible for very high analyses that should not be considered in statistical calculations.

Accordingly, a second calculation was made, eliminating all analyses of 60 ppb and greater (and taking all values less than 2 ppb as 1 ppb Au). In this way a mean and SD of 9.2 and 10.7 ppb Au were obtained.

Using these figures, all values 30 ppb and over should be considered anomalous. A visual scan of plotted values indicates 20 ppb as a base anomalous level, and background less than 10 ppb; this value of 20 ppb has been used in Plate 2a to indicate gold enrichment, possible anomalous.

A strongly anomalous zone (maximum 400 ppb Au) is located at the adit in Cedar Canyon, extending west along the canyon wall for 100 m, and above and below the adit. The values near the creek could be attributed to placer (free) gold, but not likely the remainder of the zone. A rock sample taken 25 m above the adit gave 3 ppb Au; chip samples in the adit returned 68 and 29 ppb Au (CCR-85-6,7).

A second anomalous zone in the canyon 1200 m upstream is 200 m long, perched 50 m above the creek on the south-facing slope, and extending to near the top of the slope. High values here are 650 ppb. The main part of the zone sits below a large outcrop area on the wall. The zone is open to the east - the outcrop area was too steep to be sampled (lines could not be run).

A zone of enrichment with one anomalous value is centred at L319+50N/68+50W), well north of the canyon, 150 m south of

Hampton's Road. No outcrop was discovered during reconnaissance mapping in this area.

Farther up the creek at L308+00N is an enriched zone containing 1 anomalous value (303 ppb Au). Outcrop on Cedar Creek at this point is pale grey, siliceous rhyolite with up to 2% pyrite, and diorite intrusive. Sample CCR-85-18 from this outcrop assayed 6 ppb Au, 1640 pp Ag, 370 ppm Cu and 52 ppm 2n.

A widespread zone of enrichment containing 3 anomalous values (to 218 ppb Au) crosses the Cedar Dam Lake road trending northerly. This area has not been mapped; no outcrop is known in that portion of the grid.

A scattering of anomalous values is found in the area of the dragline trench, including an irregular enriched zone centred at L308+50N/76W. No outcrop has been found in this area of disturbed and continually reworked placer gravels.

A zone of three high values, one anomalous (166 ppb) lies at L301+50N/75+50W. This area has not been investigated for outcrop.

Silver

The data set for silver contains 29 values greater than 1000 ppb (1 ppm). This has elevated the mean to 323 ppb and the standard deviation to 927 ppb - both considerably higher than is realistic (Appendix A). A re-calculation of mean and S.D. with these 29 values eliminated gives a mean of 261.2 and

S.D. of 171.1 ppb Ag. Any values over 600 ppb are then considered anomalous.

The most striking feature of the contoured values is a northeasterly trend between lines 304N and 308N. This is strongest at the eastern and western ends (maximum 26,500 ppb!), weaker but present in the central area, possibly where overburden is thicker. This trend contains 15 values greater than 1 ppm Ag.

A parallel and more discontinous trend occurs around line 300N, weakening to the west. The maximum value in this trend is 1440 ppb.

Smaller enriched zones are located at L310+50N/77W, L312N/70+50W and 313+50N/73W. The second of these is largely outside the property. The other two are in areas of heavily worked placer gravels, but do not correspond to gold anomaly locations.

At the northern end of the grid, a strongly anomalous silver zone covers the adit on Cedar Creek. The zone is 350 m long, and extends 300 m upslope and 200 m downslope (and across the creek) from the adit.

One kilometre upstream, another strong silver zone occurs 150 m up the north wall of the canyon. The zone, which has a maximum value of 3080 ppb Ag is 600 m long and is open to the east where steep outcrop walls prevented sampling.

Several other small anomalous zones are found in the northern grid portion, especially north of the canyon, toward Hampton's road. These lie mainly outside the property boundary.

Copper

Statistically, using all high values, the mean and standard deviation are 76 and 107 ppm Cu respectively (Appendix A). However, a scan of the plotted values indicates that 50 ppm is a more realistic value for background, and that 200 ppm would be a suitable anomalous threshold.

A strong copper anomaly 1100 m long was observed along the north wall of Cedar Canyon, centred on the adit, and extending 200 m up the wall. High values range up to 820 ppm; 7 values are above 500 ppm.

A second strong anomaly is centred 1.2 km upstream from the adit, is 750 m in length, and is open to the east (unsampled area). A possible eastern extension of this zone is seen beyond the unsampled area, but on the south canyon wall at L314N/70W.

A small anomalous zone is found at the top of the northern canyon wall at 321N/70W. This may be related to the adit zone.

A small discontinuous anomaly occurs on Cedar Creek between lines 306N and 309+50N, corresponding to strong silver and gold zones. West of this area, on lines 307N and 307+50N are smaller anomalies, corresponding in part to silver enrichment.

The southeast portion of the grid contains a number of scattered anomalous values within a zone of copper enrichment. The zone at L299+50N/68+50W corresponds to a strong silver anomaly.

Zinc

The most striking zinc anomaly trends northeast at the south end of the grid, and corresponds roughly to silver and, to a certain extent, copper zones in this area. This anomaly contains the highest Zn values on the grid (to 760 ppm Zn).

A moderate anomaly (maximum 360 ppm) is located on the north canyon wall from L317N to L319+50N, and is open to the east.

A broad anomaly is found in the far northeast corner of the grid, near Hampton's Road.

A small anomalous zone (maximum 570 ppm) lies north of Cedar Creek at L309N.

In the central portion of the grid, zinc contours show a pronounced east-west trend, such as glacial dispersion would produce. This characteristic is not seen on Au, Ag or Cu contours.

7.4 MAGNETIC SURVEY

The results of the magnetic survey are presented in contoured form on Plate 3. A base value of 50,000 nT was subtracted from all the readings. The total amplitude of variations in the survey area is approximately 800 nT.

The only strong magnetic feature on this grid is centred on Line 319N at about 78W. This feature trends northwest/ southeast and appears to be fault bounded both to the north and to the east.

In the east part of the grid there is a zone of confused magnetic expression which appears to be bounded by a north-trending fault on its west side. Within this zone there are no clear structural trends but it is bordered to the west and to the southwest by zones of very low magnetic activity. This area may indicate a change in geologic terrain.

A minor magnetic expression occurs in the central southwest part of the grid. Again no clear structural trends are evident but this activity may reflect a weak eastern extension of the high magnetics centred on Line 319N/78W.

7.5 COMPILATION OF RESULTS

A compilation of high values of all four metals and of strong magnetic response is presented as Plate 4.

The three zones of high metal values that lie along Cedar Creek at L324N (Zone A), L318N (Zone B) and L308N (Zone C) show no magnetic response whatsovever. However, all three are closely bounded by interpreted faults. All three are anomalous in the four metals, but particularly so in gold, silver and copper.

Diorite is known to occur in the vicinity of zones A and C, though it does not appear to be magnetic enough to give a response in the survey. The presence of diorite supports the model for mineralization, though epidote alteration does not appear important in this style of mineralization.

Gold values of 3 oz/t have been historically reported for Zone A, though more recent assays report a maximum of 0.5 oz/t. One grab sample from the central area of Zone B assayed 850 ppb Au, while two grabs from outcrop at creek level were low in gold. One grab sample from Zone C came back low in gold; however very little time was spent in this area because of heavy snow conditions.

Zone D presents a confused picture, with moderate to high magnetic responses, enriched and some anomalous gold, anomalous silver and zinc, and very spotty copper values. The anomalous areas do not coincide, but the high values are consistent enough to make this area important. The high magnetic responses may indicate underlying syenite, in which case anomalous metal values in the vicinity are significant. Mapping was not possible in this area because of snow conditions, but little outcrop is expected. Some placer testing has been done in this area in the past, with little success.

Zone E at 306+50N/68+50W presents a confused picture similar to Zone D. A strong magnetic response here coincides with gold, silver and copper anomalies, which may be somewhat displaced downslope from their source. The area has not been mapped, but little outcrop is expected. The proximity of Zone E to Zone C and its similar position with respect to

interpreted faults suggests a possible relationship between the two zones, though the magnetics differ.

Zone F is mainly a gold-silver zone, possibly fault-related, no magnetic expression. Gold and zinc highs here are scattered. The outstanding anomaly is silver, which trends northeasterly across the grid, coinciding with the fault which is interpreted from magnetics. This anomaly is open to the southwest, since it falls at the edge of the grid. No outcrop was seen during reconnaissance mapping of this placer area, but overburden is probably not deep.

Zone G in the northeastern corner of the grid is a gold-zinc anomaly, with minor silver. This area has not been mapped, and overburden is thought to be extensive. Placer testing has been carried out in the past, with negative results, and disturbance of the overburden is not great.

A prominent magnetic high is centred at L318N/78W. Mapping was not done in this area; therefore it is not known if outcrop is present, but the topography and vegetation suggest deep, possibly sandy overburden. The area shows no geochemical expression, which characteristic may be a result of type and thickness of overburden.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The canyon occupied by Cedar Creek appears to be an expression of a major fault which trends approximately eastward across the grid. Zones A,B and C all appear to lie in about the same structural position with respect to this fault.

Zone A is situated on the north wall of the canyon. It has coincident gold, silver and copper anomalies with a small amount of zinc upslope. This zone is almost entirely localized on the north wall of the canyon with the exception of one value observed across the creek and across the interpreted fault. Outcrops in the neighborhood of this lobe should be sampled in the next phase of the program to determine whether that lobe is the result of placer gold or bedrock mineralization.

Because of the steep slopes it is unlikely that the strong geochemical expression lies directly on the mineralization in the bedrock, thus consideration should be given to an induced polarization survey to localize the mineralization in the bedrock giving rise to this anomaly. Because of the extremely difficult topography an IP survey in this area will be very slow and costly. Thus it should be confined to only two lines. The recommended lines are 323 and 323+50N from 72W to about 76+50W. If a clear relationship is established between the IP result and the geochemical anomaly, consideration should be given to stripping to bedrock and channel sampling the mineralized areas. If stripping is not possible then consideration should be given to drilling shallow holes to provide some geochemical information in the bedrock.

Zone B lies in the same structural relationship to the interpreted fault in the canyon. Like Zone A it is characterized by high gold, silver and copper geocehmical responses but is also indicated by high zinc. The high zinc may indicate that the geochemical anomaly is much closer to bedrock and thus that the anomalous zone is offset a smaller amount from the bedrock source. In order to establish the

offset between bedrock mineralization and the geochemical anomaly, consideration should be given to two lines of induced polarization in this area. Because of the extreme topography it should be recognized that this induced polarization will be slow and costly. Lines 318 and 318+50N should be considered for induced polarization from 69W from 73W. Stripping and bedrock sampling should be carried out on this zone once the correlation between geochemistry and induced polarization response is established.

Zone C appears to be in an analogous structural situation to Zones A and B. It is most unfortunate that it is outside boundary of the claim group. Zone C appears to straddle the north trending fault interpreted from the magnetic data and rock types appear to change across this fault from predominately andesite on the west to predominantly rhyolites and diorites on the east. Because of the heavy snowfall this area was not well mapped in the current program. If further work is to be considered on this zone it should consist of detailed bedrock mapping followed by induced polarization in areas where the mapping results justify it.

Zones D and E lie in a terrain which, from the magnetics, appears to be very different geologically from that to the west. From the work carried out in this season it appears that there is a dearth of outcrop in this area. However, the area is attractive because of the coincidence of anomalies in all four elements with magnetic activity. Thus consideration in the coming season should be given to an induced polarization survey to cover the area from Line 299N to Line 309N and from 67W to 73W. If the induced polarization results are encouraging and the anomalies have not been closed off at

the edges, the IP survey should be extended to the south, although the interesting terrain in the northeast may be cut off by faulting in the neighborhood of the baseline.

Zone F lies in a zone of disturbed placer gravel overburden; it has coincident gold, silver and zinc anomalies but no copper. This zone may be associated with the north-trending fault and is of interest because of the strong silver trend. Sphalerite float has been observed in the trench just north of this anomalous zone. In the coming season detailed mapping should be carried out over this zone. If this mapping fails to explain the geochemical results, induced polarization surveys should be carried out here as well. The IP survey should be on lines 304 through 306 from 73W to about 78W and could be extended southwesterly if the anomalies warrant it, since the geochemical expression is strongest at the southwest part of the zone.

Some consideration should be given to further investigations in the area of the magnetic anomaly in the western part of the grid. Because there is no geochemical expression associated, this is low priority area. However, the possibility of thick overburden implies that bedrock mineralization may still occur. Mapping should therefore be carried out to ascertain the presence and characteristics of outcrop in this area.

Zone G is characterized by strong anomalies in gold and zinc with a small amount of silver. It appears to trend northwest but the trend is not clearly defined. This zone was not mapped in detail in the current season and mapping should be carried out here in the coming year.

On the Cedar Creek grid it appears that the interesting geochemical expressions are associated with two significantly different geological frameworks. The first framework is a fault related andesite-diorite system which contains Zones A, B and probably C, and has given rise to economic gold values in samples. The second framework appears to be a fault-bounded rhyolite-diorite terrain with marked magnetic expression. Zones D,E and possibly F lie within this framework. To date no samples in this zone have exhibited economic values. Both situations, however, appear to offer encouraging prospects for the discovery of economic mineralization.

Respectfully submitted,

Susan A. Scott, M.Sc., FGAC,
Mineral Exploration Consultant.

HARDY ASSOCIATES (1978) LTD.

Per:

W.J. Scott, Ph.D., P.Eng., P.Geoph.,
Chief Geophysicist

REFERENCES

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APPENDIX A

GEOCHEMICAL ANALYSES

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GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: ROCK

SAMPLE NUMBER		FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
6354	CCR-85-9	56.0	0.14	160.0	52.0
6355	CR-85-3	4.0	0.12	360.0	33.0
6356	CCR-85-13	<2.0	0.15	150.0	140.0
6357	14	3.0	0.17	160.0	89.0
6358	15	11.0	0.24	87.0	72.0
6359	16	8.0	0.34	125.0	71.0
6360	17	26.0	1.05	124.0	168.0
6361	18	6.0	1.64	370.0	52.0
6347	CCR-85-4	6.0	0.1	80.0	80.0
6348	5	850.0	1.3	620.0	107.0
6349	11	8.0	0.5	113.0	99.0
6350	6	68.0	0.3	98.0	120.0
6351	7	29.0	0.17	54.0	68.0
6352	8	3.0	0.1	100.0	52.0
6353	12	91.0	0.09	156.0	49.0
6301	CCR-85-1	2.0	0.24	29.0	49.0
6302	2	<2.0	0.15	31.0	63.0
6303	3	<2.0	0.12	27.0	64.0
6304	BR-85-1	920.0	4.35	910.0	3.3%

W.O. 8283D-85

W.O. 8270D-85 CC

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SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
29900N:67+00 W	<2.0	0.42	110.0	132.0
29900N:67+50 W	MS	MS	MS	MS
29900N:68+00 W	MS	MS	MS	MS
29900N:68+50 W	8.0	0.14	58.0	245.0
29900N:69+00 W	MS	MS	MS	MS
29900N:69+50 W	6.0	0.18	96.0	460.0
29900N:70+00 W	94.0	0.34	38.0	284.0
29900N:70+50 W	<2.0	0.13	19.0	108.0
29900N:71+00 W	6.0	0.28	29.0	134.0
29900N:71+50 W	7.0	0.05	20.0	119.0
29900N:72+00 W	6.0	0.12	37.0	101.0
29900N:72+50 W	<2.0	0.04	35.0	82.0
29900N:73+00 W -A	<2.0	0.05	26.0	181.0
29900N:73+00 W -B	3.0	0.24	19.0	147.0
29900N:73+50 W	<2.0	0.28	30.0	330.0
29900N:74+00 W	<2.0	0.19	28.0	237.0
29900N:74+50 W	<2.0	0.21	19.0	420.0
29900N:75+00 W	MS	MS	MS	MS
29900N:75+50 W	5.0	0.31	12.0	490.0
29900N:76+00 W	6.0	0.92	36.0	390.0
29900N:76+50 W	6.0	0.24	42.0	163.0
29900N:77+00 W	10.0	0.28	20.0	186.0
29900N:77+50 W	20.0	0.62	20.0	164.0
29900N:78+00 W	<2.0	0.32	24.0	130.0
29950N:67+00 W	5.0	0.81	143.0	335.0
29950N:67+50 W	18.0	0.2	46.0	96.0
29950N:68+00 W	158.0	0.3	137.0	214.0
29950N:68+50 W	14.0	1.44	580.0	350.0
29950N:69+00 W	26.0	0.92	380.0	341.0
29950N:69+50 W	<2.0	1.0	112.0	310.0

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SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
29950N:70+00 W	12.0	0.69	43.0	222.0
29950N:70+50 W	7.0	0.71	49.0	185.0
29950N:71+00 W	<2.0	1.14	55.0	180.0
29950N:71+50 W	<2.0	0.31	29.0	120.0
29950N:72+00 W	4.0	0.25	24.0	142.0
29950N:72+50 W	5.0	0.18	80.0	176.0
29950N:73+00 W	<2.0	0.24	21.0	159.0
29950N:73+50 W	5.0	0.34	13.0	540.0
29950N:74+00 W	16.0	0.18	120.0	271.0
29950N:74+50 W	<2.0	0.1	66.0	232.0
29950N:75+00 W	<2.0	0.1	9.0	53.0
29950N:75+50 W	<2.0	0.54	160.0	78.0
29950N:76+00 W	<2.0	0.24	30.0	200.0
29950N:76+50 W	6.0	0.21	9.0	99.0
29950N:77+00 W	<2.0	0.28	21.0	121.0
29950N:77+50 W	7.0	0.24	33.0	127.0
29950N:78+00 W	<2.0	0.25	22.0	154.0
30000N:67+00 W	13.0	0.07	99.0	102.0
30000N:67+50 W	13.0	0.18	142.0	102.0
30000N:68+00 W	12.0	1.2	500.0	360.0
30000N:68+50 W	<2.0	1.06	190.0	750.0
30000N:69+00 W	23.0	0.12	26.0	123.0
30000N:69+50 W	<2.0	0.34	82.0	137.0
30000N:70+00 W	9.0	0.87	50.0	251.0
30000N:70+50 W	14.0	0.22	22.0	120.0
30000N:71+00 W	24.0	0.24	19.0	159.0
30000N:71+50 W	75.0	0.26	72.0	275.0
30000N:72+00 W	<2.0	0.07	20.0	111.0
30000N:72+50 W	11.0	0.24	57.0	270.0
30000N:73+00 W	16.0	0.16	51.0	254.0

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SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30000N:73+50 W	36.0	0.1	30.0	210.0
30000N:74+00 W	16.0	1.18	360.0	358.0
30000N:74+50 W	6.0	0.1	31.0	130.0
30000N:75+00 W	<2.0	0.1	17.0	29.0
30000N:75+50 W	<2.0	0.54	28.0	220.0
30000N:76+00 W	6.0	0.19	33.0	183.0
30000N:76+50 W	8.0	0.33	18.0	180.0
30000N:77+00 W	<2.0	0.54	35.0	150.0
30000N:77+50 W	<2.0	0.73	28.0	208.0
30000N:78+00 W	<2.0	0.31	18.0	108.0
30050N:67+00 W	<2.0	0.45	80.0	106.0
30050N:67+50 W	16.0	0.36	115.0	89.0
30050N:68+00 W	MS	MS	MS	MS
30050N:68+50 W	<2.0	0.78	66.0	590.0
30050N:69+00 W	6.0	0.34	24.0	110.0
30050N:69+50 W	29.0	0.82	99.0	270.0
30050N:70+00 W	<2.0	0.17	21.0	80.0
30050N:70+50 W	218.0	0.34	34.0	125.0
30050N:71+00 W	59.0	0.36	36.0	220.0
30050N:71+50 W	6.0	0.18	68.0	190.0
30050N:72+00 W	<2.0	0.32	80.0	196.0
30050N:72+50 W	<2.0	0.58	47.0	224.0
30050N:73+00 W	<2.0	0.18	33.0	160.0
30050N:73+50 W	6.0	0.28	85.0	230.0
30050N:74+00 W	7.0	0.12	34.0	116.0
30050N:74+50 W	<2.0	0.16	58.0	146.0
30050N:75+00 W	<2.0	0.49	26.0	147.0
30050N:75+50 W	5.0	0.18	14.0	96.0
30050N:76+00 W	<2.0	0.36	31.0	121.0
30050N:76+50 W	11.0	0.09	69.0	57.0

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30050N:77+00 W	<2.0	0.24	11.0	106.0
30050N:77+50 W	3.0	0.29	12.0	110.0
30050N:78+00 W	<2.0	0.45	24.0	98.0
30100N:67+00 W	<2.0	0.66	194.0	290.0
30100N:67+50 W	<2.0	0.44	27.0	158.0
30100N:68+00 W	12.0	0.21	99.0	103.0
30100N:68+50 W	41.0	0.34	185.0	186.0
30100N:69+00 W	<2.0	1.35	280.0	230.0
30100N:69+50 W	40.0	0.22	17.0	174.0
30100N:70+00 W	18.0	0.4	42.0	108.0
30100N:70+50 W	7.0	0.13	32.0	120.0
30100N:71+00 W	<2.0	0.44	40.0	141.0
30100N:71+50 W	51.0	0.81	121.0	192.0
30100N:72+00 W	<2.0	0.48	24.0	127.0
30100N:72+50 W	<2.0	0.45	42.0	114.0
30100N:73+00 W	<2.0	0.22	270.0	175.0
30100N:73+50 W	<2.0	0.51	194.0	450.0
30100N:74+00 W	<2.0	0.13	20.0	145.0
30100N:74+50 W	4.0	0.24	15.0	105.0
30100N:75+00 W	166.0	0.17	65.0	128.0
30100N:75+50 W	26.0	0.24	35.0	144.0
30100N:76+00 W	<2.0	0.09	43.0	122.0
30100N:76+50 W	<2.0	0.28	26.0	140.0
30100N:77+00 W	<2.0	0.27	24.0	190.0
30100N:77+50 W	4.0	0.17	36.0	130.0
30100N:78+00 W	<2.0	0.67	15.0	87.0
30150N:67+00 W	30.0	0.2	100.0	106.0
30150N:67+50 W	35.0	0.47	290.0	240.0
30150N:68+00 W	MS	MS	MS	MS
30150N:68+50 W	37.0	0.17	130.0	170.0

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30150N:69+00 W	<2.0	0.07	25.0	108.0
30150N:69+50 W	MS	MS	MS	MS
30150N:70+00 W	MS	MS	MS	MS
30150N:70+50 W	33.0	0.12	162.0	170.0
30150N:71+00 W	30.0	0.12	112.0	291.0
30150N:71+50 W	<2.0	0.15	34.0	155.0
30150N:72+00 W	15.0	0.36	300.0	135.0
30150N:72+50 W	<2.0	0.26	26.0	145.0
30150N:73+00 W	<2.0	0.42	90.0	216.0
30150N:73+50 W	22.0	0.08	32.0	136.0
30150N:74+00 W	9.0	0.18	11.0	127.0
30150N:74+50 W	<2.0	0.39	43.0	207.0
30150N:75+00 W	<2.0	0.66	75.0	141.0
30150N:75+50 W	<2.0	0.05	26.0	88.0
30150N:76+00 W	84.0	0.53	40.0	152.0
30150N:76+50 W	<2.0	0.28	32.0	190.0
30150N:77+00 W	<2.0	0.34	23.0	337.0
30150N:77+50 W	<2.0	0.48	27.0	231.0
30150N:78+00 W	<2.0	0.19	37.0	131.0
30200N:67+00 W	<2.0	0.16	45.0	90.0
30200N:67+50 W	18.0	0.15	62.0	110.0
30200N:68+00 W	<2.0	0.29	23.0	130.0
30200N:68+50 W	32.0	0.28	130.0	137.0
30200N:69+00 W	16.0	0.24	101.0	134.0
30200N:69+50 W	<2.0	0.09	110.0	121.0
30200N:70+00 W	92.0	0.16	134.0	190.0
30200N:70+50 W	154.0	0.36	300.0	341.0
30200N:71+00 W	<2.0	0.1	95.0	100.0
30200N:71+50 W	<2.0	0.13	280.0	140.0
30200N:72+00 W	<2.0	0.3	190.0	212.0

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AUTHORITY:S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY - CC

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30200N:72+50 W	17.0	0.04	76.0	89.0
30200N:73+00 W	<2.0	0.2	72.0	102.0
30200N:73+50 W	49.0	0.1	34.0	85.0
30200N:74+00 W	13.0	0.19	42.0	125.0
30200N:74+50 W	11.0	0.41	62.0	221.0
30200N:75+00 W	<2.0	0.38	40.0	180.0
30200N:75+50 W	<2.0	0.3	27.0	150.0
30200N:76+00 W	<2.0	0.31	25.0	107.0
30200N:76+50 W	<2.0	0.16	50.0	164.0
30200N:77+00 W	<2.0	0.24	22.0	155.0
30200N:77+50 W	<2.0	0.27	28.0	138.0
30200N:78+00 W	21.0	0.3	23.0	166.0
30250N:67+00 W	<2.0	0.1	32.0	111.0
30250N:67+50 W	<2.0	0.36	30.0	170.0
30250N:68+00 W	12.0	0.07	54.0	83.0
30250N:68+50 W	30.0	0.16	270.0	281.0
30250N:69+00 W	32.0	0.14	145.0	161.0
30250N:69+50 W	102.0	0.48	101.0	106.0
30250N:70+00 W	14.0	0.22	103.0	143.0
30250N:70+50 W	12.0	0.24	104.0	132.0
30250N:71+00 W	3.0	0.21	42.0	205.0
30250N:71+50 W	<2.0	0.09	37.0	130.0
30250N:72+00 W	<2.0	0.15	51.0	99.0
30250N:72+50 W	6.0	0.21	15.0	90.0
30250N:73+00 W	<2.0	0.22	36.0	130.0
30250N:73+50 W	30.0	0.16	41.0	185.0
30250N:74+00 W	9.0	0.32	40.0	116.0
30250N:74+50 W	12.0	0.18	82.0	223.0
30250N:75+00 W	14.0	0.34	123.0	185.0
30250N:75+50 W	<2.0	0.17	66.0	150.0

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
CALGARY, ALBERTA
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AUTHORITY:S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY - CC

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30250N:76+00 W	<2.0	0.15	62.0	140.0
30250N:76+50 W	6.0	0.39	41.0	162.0
30250N:77+00 W	<2.0	0.34	43.0	250.0
30250N:77+50 W	5.0	0.29	35.0	230.0
30250N:78+00 W	10.0	0.16	67.0	105.0
30300N:67+00 W	8.0	0.33	34.0	141.0
30300N:67+50 W	23.0	0.24	185.0	195.0
30300N:68+00 W	26.0	0.41	141.0	174.0
30300N:68+50 W	3.0	0.28	23.0	130.0
30300N:69+00 W	11.0	0.12	40.0	68.0
30300N:69+50 W	7.0	0.24	173.0	70.0
30300N:70+00 W	14.0	0.2	140.0	186.0
30300N:70+50 W	9.0	0.1	52.0	138.0
30300N:71+00 W	<2.0	0.09	23.0	131.0
30300N:71+50 W	8.0	0.04	102.0	90.0
30300N:72+00 W	<2.0	0.13	26.0	129.0
30300N:72+50 W	6.0	0.18	42.0	140.0
30300N:73+00 W	18.0	0.25	61.0	141.0
30300N:73+50 W	5.0	0.09	30.0	121.0
30300N:74+00 W	3.0	0.2	15.0	75.0
30300N:74+50 W	10.0	0.21	64.0	89.0
30300N:75+00 W	<2.0	0.3	118.0	150.0
30300N:75+50 W	6.0	0.2	26.0	130.0
30300N:76+00 W	<2.0	0.41	54.0	106.0
30300N:76+50 W	<2.0	0.32	55.0	180.0
30300N:77+00 W	<2.0	0.3	35.0	251.0
30300N:77+50 W	<2.0	0.6	25.0	218.0
30300N:78+00 W	<2.0	0.18	29.0	101.0
30350N:67+00 W	<2.0	0.45	29.0	165.0
30350N:67+50 W	<2.0	0.39	46.0	107.0

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

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CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY - CC

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30350N:68+00 W	3.0	0.27	22.0	103.0
30350N:68+50 W	4.0	0.17	40.0	77.0
30350N:69+00 W	9.0	1.2	40.0	101.0
30350N:69+50 W	52.0	0.66	1320.0	135.0
30350N:70+00 W	6.0	0.63	145.0	100.0
30350N:70+50 W	<2.0	0.3	41.0	160.0
30350N:71+00 W	16.0	0.04	116.0	144.0
30350N:71+50 W	<2.0	0.04	44.0	65.0
30350N:72+00 W	<2.0	0.03	30.0	80.0
30350N:72+50 W	<2.0	0.12	32.0	149.0
30350N:73+00 W	12.0	0.04	23.0	121.0
30350N:73+50 W	7.0	0.12	27.0	166.0
30350N:74+00 W	17.0	0.03	173.0	108.0
30350N:74+50 W	MS	MS	MS	MS
30350N:75+00 W	56.0	0.24	40.0	142.0
30350N:75+50 W	<2.0	0.02	24.0	174.0
30350N:76+00 W	<2.0	0.03	45.0	163.0
30350N:76+50 W	MS	MS	MS	MS
30350N:77+00 W	112.0	0.18	47.0	196.0
30350N:77+50 W	9.0	0.12	36.0	147.0
30350N:78+00 W	<2.0	0.19	35.0	142.0
30400N:67+00 W	10.0	0.04	106.0	111.0
30400N:67+50 W	7.0	0.02	77.0	74.0
30400N:68+00 W	3.0	0.21	24.0	111.0
30400N:68+50 W	8.0	0.31	34.0	80.0
30400N:69+00 W	37.0	0.2	182.0	175.0
30400N:69+50 W	6.0	0.65	35.0	135.0
30400N:70+00 W	4.0	0.8	32.0	209.0
30400N:70+50 W	15.0	0.15	54.0	213.0
30400N:71+00 W	<2.0	0.08	54.0	177.0

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Laboratories (Alberta) Ltd.

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T2E 6K3
PHONE: (403) 250-1901

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AUTHORITY:S. SCOTT

PROJECT: LIKELY - CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30400N:71+50 W	6.0	0.12	42.0	128.0
30400N:72+00 W	5.0	0.13	67.0	70.0
30400N:72+50 W	6.0	0.18	23.0	157.0
30450N:67+00 W	25.0	0.82	45.0	93.0
30450N:67+50 W	34.0	0.25	11.0	96.0
30450N:68+00 W	<2.0	0.34	30.0	214.0
30450N:68+50 W	6.0	0.4	42.0	206.0
30450N:69+00 W	15.0	0.35	136.0	150.0
30450N:69+50 W	9.0	0.55	37.0	119.0
30450N:70+00 W	<2.0	0.24	22.0	87.0
30450N:70+50 W	13.0	0.25	22.0	58.0
30450N:71+00 W	<2.0	0.14	46.0	149.0
30450N:71+50 W	6.0	0.66	28.0	215.0
30450N:72+00 W	4.0	0.07	50.0	115.0
30450N:72+50 W	3.0	0.09	31.0	75.0
30500N:67+00 W	MS	MS	MS	MS
30500N:67+50 W	36.0	0.22	62.0	148.0
30500N:68+00 W	8.0	0.32	47.0	233.0
30500N:68+50 W	14.0	1.0	103.0	168.0
30500N:69+00 W	<2.0	0.09	26.0	95.0
30500N:69+50 W	MS	MS	MS	MS
30500N:70+00 W	5.0	0.17	42.0	284.0
30500N:70+50 W	10.0	0.12	116.0	217.0
30500N:71+00 W	4.0	0.15	46.0	185.0
30500N:71+50 W	3.0	0.17	43.0	159.0
30500N:72+00 W	3.0	0.09	52.0	133.0
30500N:72+50 W	46.0	0.12	121.0	117.0
30550N:67+00 W	5.0	0.65	25.0	90.0
30550N:67+50 W	10.0	0.87	87.0	330.0
30550N:68+00 W	4.0	0.08	22.0	84.0

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AUTHORITY:S. SCOTT

PROJECT: LIKELY - CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30550N:68+50 W	4.0	0.81	38.0	125.0
30550N:69+00 W	4.0	0.37	32.0	150.0
30550N:69+50 W	<2.0	1.5	121.0	65.0
30550N:70+00 W	4.0	0.1	56.0	112.0
30550N:70+50 W	7.0	0.27	33.0	199.0
30550N:71+00 W	5.0	0.22	60.0	88.0
30550N:71+50 W	6.0	0.31	41.0	167.0
30550N:72+00 W	4.0	0.19	37.0	90.0
30550N:72+50 W	4.0	0.31	95.0	181.0
30600N:67+00 W	6.0	0.31	77.0	110.0
30600N:67+50 W	87.0	2.46	330.0	96.0
30600N:68+00 W	40.0	0.4	67.0	234.0
30600N:68+50 W	MS	MS	MS	MS
30600N:69+00 W	4.0	0.3	47.0	168.0
30600N:69+50 W	<2.0	0.12	66.0	150.0
30600N:70+00 W	6.0	0.07	30.0	82.0
30600N:70+50 W	8.0	1.08	38.0	340.0
30600N:71+00 W	4.0	0.37	44.0	95.0
30600N:71+50 W	4.0	0.33	70.0	91.0
30600N:72+00 W	3.0	0.34	30.0	108.0
30600N:72+50 W	4.0	0.31	30.0	110.0
30650N:67+00 W	8.0	1.32	78.0	211.0
30650N:67+50 W	<2.0	1.33	138.0	167.0
30650N:68+00 W	6.0	0.6	43.0	188.0
30650N:68+50 W	30.0	0.66	500.0	119.0
30650N:69+00 W	82.0	0.25	50.0	80.0
30650N:69+50 W	<2.0	0.54	100.0	160.0
30650N:70+00 W	<2.0	0.52	33.0	182.0
30650N:70+50 W	28.0	0.66	146.0	132.0
30650N:71+00 W	4.0	0.3	54.0	150.0

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CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY - CC

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30650N:71+50 W	8.0	0.27	41.0	97.0
30650N:72+00 W	<2.0	0.23	17.0	78.0
30650N:72+50 W	<2.0	0.62	102.0	91.0
30700N:67+00 W	15.0	0.09	180.0	155.0
30700N:67+50 W	84.0	0.76	125.0	121.0
30700N:68+00 W	<2.0	0.31	41.0	235.0
30700N:68+50 W	50.0	3.06	400.0	140.0
30700N:69+00 W	19.0	0.19	200.0	88.0
30700N:69+50 W	8.0	0.36	81.0	121.0
30700N:70+00 W	5.0	0.11	46.0	144.0
30700N:70+50 W	12.0	0.36	107.0	134.0
30700N:71+00 W	21.0	0.54	56.0	117.0
30700N:71+50 W	<2.0	0.19	16.0	130.0
30700N:72+00 W	4.0	0.15	24.0	83.0
30700N:72+50 W	11.0	0.32	39.0	172.0
30750N:67+00 W	<2.0	0.14	13.0	98.0
30750N:67+50 W	52.0	0.99	260.0	94.0
30750N:68+00 W	4.0	0.25	43.0	125.0
30750N:68+50 W	4.0	0.82	29.0	196.0
30750N:69+00 W	13.0	26.5	45.0	123.0
30750N:69+50 W	67.0	0.3	105.0	218.0
30750N:70+00 W	<2.0	0.1	182.0	130.0
30750N:70+50 W	<2.0	0.15	340.0	121.0
30750N:71+00 W	5.0	0.3	100.0	93.0
30750N:71+50 W	6.0	0.36	24.0	142.0
30750N:72+00 W	3.0	0.3	40.0	136.0
30750N:72+50 W	<2.0	0.19	25.0	205.0
30800N:67+00 W	303.0	14.7	1020.0	85.0
30800N:67+50 W	26.0	0.39	73.0	83.0
30800N:68+00 W	8.0	0.08	71.0	87.0

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4200B - 10 STREET N.E.
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AUTHORITY:S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY - CC

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30800N:68+50 W	3.0	0.16	15.0	95.0
30800N:69+00 W	6.0	0.22	42.0	172.0
30800N:69+50 W	<2.0	0.18	36.0	153.0
30800N:70+00 W	85.0	0.24	54.0	167.0
30800N:70+50 W	9.0	0.16	148.0	150.0
30800N:71+00 W	14.0	0.21	45.0	155.0
30800N:71+50 W	<2.0	0.4	22.0	131.0
30800N:72+00 W	4.0	0.12	31.0	151.0
30800N:72+50 W	7.0	0.07	59.0	141.0
30850N:67+00 W	14.0	0.85	175.0	95.0
30850N:67+50 W	17.0	0.42	75.0	101.0
30850N:68+00 W	6.0	0.18	67.0	80.0
30850N:68+50 W	7.0	0.29	45.0	173.0
30850N:69+00 W	7.0	0.47	51.0	147.0
30850N:69+50 W	31.0	0.48	22.0	255.0
30850N:70+00 W	6.0	0.5	173.0	174.0
30850N:70+50 W	<2.0	0.33	32.0	181.0
30850N:71+00 W	<2.0	0.28	63.0	133.0
30850N:71+50 W	<2.0	0.34	50.0	188.0
30850N:72+00 W	24.0	0.12	49.0	132.0
30850N:72+50 W	8.0	0.13	15.0	94.0
30900N:67+00 W	3.0	0.02	21.0	65.0
30900N:67+50 W	124.0	0.46	203.0	570.0
30900N:68+00 W	12.0	0.21	250.0	148.0
30900N:68+50 W	4.0	0.31	57.0	188.0
30900N:69+00 W	<2.0	0.1	37.0	82.0
30900N:69+50 W	15.0	0.27	48.0	160.0
30950N:67+00 W	5.0	0.27	20.0	80.0
30950N:67+50 W	60.0	0.12	310.0	247.0
30950N:68+00 W	<2.0	0.21	36.0	77.0

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
CALGARY, ALBERTA
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AUTHORITY:S. SCOTT

PROJECT: LIKELY - CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30950N:68+50 W	<2.0	0.21	72.0	180.0
30950N:69+00 W	<2.0	0.21	120.0	145.0
30950N:69+50 W	MS	MS	MS	MS
31000N:67+00 W	4.0	0.31	16.0	143.0
31000N:67+50 W	5.0	0.28	38.0	168.0
31000N:68+00 W	12.0	0.36	195.0	168.0
31000N:68+50 W	4.0	0.28	60.0	220.0
31000N:69+00 W	16.0	0.21	170.0	100.0
31000N:69+50 W	3.0	0.22	67.0	136.0
31250N:70+00 W	4.0	0.27	123.0	134.0
31250N:70+50 W	<2.0	0.3	36.0	177.0
31250N:71+00 W	4.0	0.21	35.0	182.0
31250N:71+50 W	3.0	0.28	41.0	184.0
31250N:72+00 W	4.0	0.22	52.0	116.0
31250N:72+50 W	<2.0	0.27	30.0	190.0
31250N:73+00 W	3.0	0.2	49.0	207.0
31250N:73+50 W	MS	MS	MS	MS
31250N:74+00 W	4.0	0.24	24.0	142.0
31250N:74+50 W	<2.0	0.02	58.0	172.0
31250N:75+00 W	9.0	0.14	90.0	97.0
31250N:75+50 W	147.0	0.18	71.0	80.0
31250N:76+00 W	MS	MS	MS	MS
31250N:76+50 W	7.0	0.07	88.0	102.0
31250N:77+00 W	7.0	0.12	91.0	105.0
31250N:77+50 W	7.0	0.2	23.0	140.0
31250N:78+00 W	4.0	0.18	60.0	115.0
31300N:70+00 W	4.0	0.13	30.0	240.0
31300N:70+50 W	51.0	0.16	54.0	131.0
31300N:71+00 W	<2.0	0.15	57.0	191.0
31300N:71+50 W	5.0	0.25	60.0	172.0

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CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY - CC

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
31300N:72+00 W	<2.0	0.16	40.0	199.0
31300N:72+50 W	<2.0	1.06	140.0	355.0
31300N:73+00 W	5.0	0.48	119.0	240.0
31300N:73+50 W	<2.0	0.11	100.0	200.0
31300N:74+00 W	<2.0	0.21	135.0	179.0
31300N:74+50 W	<2.0	0.16	77.0	158.0
31300N:75+00 W	11.0	0.16	70.0	102.0
31300N:75+50 W	10.0	0.15	82.0	98.0
31300N:76+00 W	18.0	0.15	102.0	101.0
31300N:76+50 W	60.0	0.15	102.0	90.0
31300N:77+00 W	7.0	0.07	92.0	88.0
31300N:77+50 W	<2.0	0.42	85.0	71.0
31300N:78+00 W	3.0	0.06	85.0	81.0
31350N:70+00 W	3.0	0.24	50.0	171.0
31350N:70+50 W	7.0	0.02	106.0	100.0
31350N:71+00 W	4.0	0.4	20.0	138.0
31350N:71+50 W	4.0	0.19	118.0	123.0
31350N:72+00 W	<2.0	0.14	81.0	147.0
31350N:72+50 W	4.0	0.12	17.0	164.0
31350N:73+00 W	<2.0	0.37	22.0	167.0
31350N:73+50 W	<2.0	0.18	25.0	157.0
31350N:74+00 W	10.0	0.16	82.0	166.0
31350N:74+50 W	10.0	0.3	83.0	102.0
31350N:75+00 W	10.0	0.14	85.0	100.0
31350N:75+50 W	18.0	0.13	80.0	96.0
31350N:76+00 W	45.0	0.09	84.0	101.0
31350N:76+50 W	10.0	0.14	114.0	102.0
31350N:77+00 W	12.0	0.02	73.0	76.0
31350N:77+50 W	MS	MS	MS	MS
31350N:78+00 W	3.0	0.05	88.0	71.0

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
CALGARY, ALBERTA
T2E 6K3
PHONE: (403) 250-1901

25-NOV-85
PAGE: 16 OF 24
COPY: 1 OF 2

AUTHORITY:S. SCOTT

PROJECT: LIKELY - CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
31400N:70+00 W	7.0	0.22	300.0	130.0
31400N:70+50 W	9.0	0.3	310.0	125.0
31400N:71+00 W	<2.0	0.22	103.0	164.0
31400N:71+50 W	3.0	0.19	86.0	133.0
31400N:72+00 W	4.0	0.67	26.0	175.0
31400N:72+50 W	<2.0	0.23	41.0	147.0
31400N:73+00 W	7.0	0.39	42.0	270.0
31400N:73+50 W	<2.0	0.16	56.0	138.0
31400N:74+00 W	31.0	0.3	150.0	113.0
31400N:74+50 W	<2.0	0.05	73.0	91.0
31400N:75+00 W	7.0	0.28	63.0	137.0
31400N:75+50 W	5.0	0.49	37.0	130.0
31400N:76+00 W	10.0	0.08	64.0	75.0
31400N:76+50 W	4.0	0.29	33.0	156.0
31400N:77+00 W	14.0	0.05	97.0	90.0
31400N:77+50 W	6.0	0.07	162.0	98.0
31400N:78+00 W	<2.0	0.13	23.0	103.0
31450N:70+50 W	6.0	0.1	137.0	126.0
31450N:71+00 W	4.0	0.12	50.0	139.0
31450N:71+50 W	<2.0	0.24	28.0	171.0
31450N:72+00 W	10.0	0.18	43.0	150.0
31450N:72+50 W	<2.0	0.08	41.0	192.0
31450N:73+00 W -A	3.0	0.5	47.0	314.0
31450N:73+00 W -B	7.0	0.76	26.0	221.0
31450N:73+50 W	4.0	0.15	40.0	137.0
31450N:74+00 W	4.0	0.43	126.0	134.0
31450N:74+50 W	6.0	0.25	26.0	166.0
31450N:75+00 W	6.0	0.28	31.0	198.0
31450N:75+50 W	41.0	0.18	20.0	71.0
31450N:76+00 W	6.0	0.14	33.0	74.0

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AUTHORITY:S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY - CC

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
31450N:76+50 W	12.0	0.43	23.0	167.0
31450N:77+00 W	257.0	0.12	77.0	80.0
31450N:77+50 W	19.0	0.17	30.0	140.0
31450N:78+00 W	5.0	0.13	51.0	99.0
31500N:71+50 W	31.0	0.13	148.0	114.0
31500N:72+00 W	6.0	0.42	25.0	155.0
31500N:72+50 W	<2.0	0.12	107.0	150.0
31500N:73+00 W -A	19.0	0.28	138.0	115.0
31500N:73+00 W -B	12.0	0.33	28.0	271.0
31500N:73+50 W	4.0	0.17	71.0	150.0
31500N:74+00 W	2.0	0.12	50.0	160.0
31500N:74+50 W	3.0	0.12	40.0	131.0
31500N:75+00 W	6.0	0.14	28.0	91.0
31500N:75+50 W	8.0	0.04	33.0	70.0
31500N:76+00 W	5.0	0.15	28.0	97.0
31500N:76+50 W	4.0	0.22	12.0	66.0
31500N:77+00 W	5.0	0.17	35.0	102.0
31500N:77+50 W	33.0	0.2	14.0	61.0
31500N:78+00 W	5.0	0.16	41.0	99.0
31500N:78+50 W	6.0	0.27	22.0	84.0
31500N:79+00 W	<2.0	0.18	16.0	65.0
31500N:79+50 W	<2.0	0.22	40.0	115.0
31500N:80+00 W	5.0	0.08	42.0	81.0
31550N:72+50 W	123.0	0.21	113.0	131.0
31550N:73+00 W	3.0	0.15	47.0	160.0
31550N:73+50 W	15.0	0.58	109.0	180.0
31550N:74+00 W	4.0	0.1	82.0	138.0
31550N:74+50 W	2.0	0.21	28.0	135.0
31550N:75+00 W	<2.0	0.09	52.0	142.0
31550N:75+50 W	10.0	0.07	20.0	86.0

BARRINGER MAGENTA
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AUTHORITY:S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY - CC

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
31550N:76+00 W	6.0	0.18	26.0	84.0
31550N:76+50 W	24.0	0.21	10.0	55.0
31550N:77+00 W	6.0	0.09	45.0	100.0
31550N:77+50 W	9.0	0.12	35.0	104.0
31550N:78+00 W	6.0	0.22	62.0	185.0
31550N:78+50 W	7.0	0.12	19.0	91.0
31550N:79+00 W	4.0	0.17	57.0	103.0
31550N:79+50 W	10.0	0.13	35.0	113.0
31550N:80+00 W	<2.0	0.28	17.0	115.0
31600N:73+00 W	6.0	0.2	33.0	206.0
31600N:73+50 W	28.0	0.15	34.0	140.0
31600N:74+00 W	6.0	0.07	143.0	93.0
31600N:74+50 W	<2.0	0.17	33.0	148.0
31600N:75+00 W	6.0	0.27	20.0	97.0
31600N:75+50 W	<2.0	0.21	28.0	101.0
31600N:76+00 W	8.0	0.17	38.0	95.0
31600N:76+50 W	6.0	0.39	37.0	119.0
31600N:77+00 W	5.0	0.07	60.0	80.0
31600N:77+50 W	4.0	0.18	43.0	110.0
31600N:78+00 W	3.0	0.13	30.0	102.0
31600N:78+50 W	<2.0	0.17	35.0	84.0
31600N:79+00 W	10.0	0.28	90.0	63.0
31600N:79+50 W	<2.0	0.15	25.0	121.0
31600N:80+00 W	<2.0	0.18	44.0	82.0
31650N:71+00 W	18.0	0.1	240.0	270.0
31650N:71+50 W	12.0	0.24	108.0	105.0
31650N:72+00 W	4.0	0.12	151.0	142.0
31650N:72+50 W	10.0	0.18	48.0	101.0
31650N:73+00 W	4.0	0.14	87.0	96.0
31650N:73+50 W	4.0	0.15	107.0	125.0

BARRINGER MAGENTA
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4200B - 10 STREET N.E.
CALGARY, ALBERTA
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PHONE: (403) 250-1901

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AUTHORITY:S. SCOTT

PROJECT: LIKELY - CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
31650N:74+00 W	32.0	0.11	85.0	120.0
31650N:74+50 W	<2.0	0.24	45.0	128.0
31650N:75+00 W	<2.0	0.11	15.0	115.0
31650N:75+50 W	4.0	0.27	26.0	104.0
31650N:76+00 W	9.0	0.15	67.0	105.0
31650N:76+50 W	13.0	0.23	60.0	129.0
31650N:77+00 W	9.0	0.12	32.0	100.0
31650N:77+50 W	3.0	0.17	31.0	95.0
31650N:78+00 W	4.0	0.18	28.0	100.0
31650N:78+50 W	6.0	0.24	78.0	114.0
31650N:79+00 W	3.0	0.12	35.0	126.0
31650N:79+50 W	4.0	0.15	60.0	105.0
31650N:80+00 W	3.0	0.13	62.0	100.0
31700N:72+00 W	6.0	0.39	230.0	210.0
31700N:72+50 W	6.0	0.54	110.0	170.0
31700N:73+00 W	<2.0	0.22	163.0	137.0
31700N:73+50 W	6.0	0.12	85.0	82.0
31700N:74+00 W	30.0	0.6	132.0	120.0
31700N:74+50 W	2.0	0.21	42.0	115.0
31700N:75+00 W	3.0	0.2	25.0	149.0
31700N:75+50 W	13.0	0.17	39.0	83.0
31700N:76+00 W	74.0	0.24	46.0	95.0
31700N:76+50 W	20.0	0.28	99.0	79.0
31700N:77+00 W	15.0	0.15	90.0	85.0
31700N:77+50 W	11.0	0.14	60.0	91.0
31700N:78+00 W	3.0	0.13	20.0	107.0
31700N:78+50 W	9.0	0.21	19.0	82.0
31700N:79+00 W	7.0	0.13	75.0	70.0
31700N:79+50 W	<2.0	0.28	21.0	115.0
31700N:80+00 W	4.0	0.14	77.0	80.0

BARRINGER MAGENTA
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AUTHORITY:S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY - CC

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
31750N:67+00 W	6.0	0.25	23.0	205.0
31750N:67+50 W	7.0	0.22	40.0	255.0
31750N:68+00 W	12.0	0.16	23.0	195.0
31750N:68+50 W	8.0	0.19	25.0	215.0
31750N:69+00 W	16.0	0.29	25.0	163.0
31750N:69+50 W	116.0	0.27	15.0	197.0
31750N:70+00 W	3.0	0.1	36.0	143.0
31750N:70+50 W	6.0	0.27	122.0	112.0
31750N:71+00 W	13.0	1.47	310.0	356.0
31750N:71+50 W	650.0	3.08	1520.0	268.0
31750N:72+00 W	12.0	0.69	220.0	347.0
31750N:72+50 W	7.0	0.31	137.0	195.0
31750N:73+00 W	<2.0	0.26	210.0	140.0
31750N:73+50 W	<2.0	0.21	30.0	125.0
31750N:74+00 W	<2.0	0.16	50.0	215.0
31750N:74+50 W	5.0	0.15	50.0	105.0
31750N:75+00 W	4.0	0.22	15.0	132.0
31750N:75+50 W	3.0	0.36	23.0	130.0
31750N:76+00 W	8.0	0.2	80.0	69.0
31750N:76+50 W	8.0	0.38	44.0	90.0
31750N:77+00 W	10.0	0.2	40.0	132.0
31750N:77+50 W	4.0	0.08	52.0	70.0
31750N:78+00 W	4.0	0.2	47.0	100.0
31750N:78+50 W	6.0	0.13	56.0	66.0
31750N:79+00 W	<2.0	0.15	41.0	85.0
31750N:79+50 W	3.0	0.15	23.0	102.0
31750N:80+00 W	6.0	0.4	21.0	200.0
31800N:67+00 W	21.0	0.22	18.0	193.0
31800N:67+50 W	<2.0	0.3	90.0	69.0
31800N:68+00 W	4.0	0.36	27.0	420.0

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
CALGARY, ALBERTA
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PHONE: (403) 250-1901

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AUTHORITY:S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY - CC

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
31800N:68+50 W	13.0	0.16	30.0	121.0
31800N:69+00 W	<2.0	0.3	15.0	210.0
31800N:69+50 W	3.0	0.21	22.0	189.0
31800N:78+50 W	5.0	0.14	31.0	104.0
31800N:79+00 W	2.0	0.16	28.0	93.0
31800N:79+50 W	61.0	0.19	48.0	98.0
31800N:80+00 W	3.0	0.41	18.0	120.0
31850N:67+00 W	15.0	0.3	27.0	190.0
31850N:67+50 W	7.0	0.34	35.0	374.0
31850N:68+00 W	9.0	0.24	21.0	203.0
31850N:68+50 W	81.0	0.19	40.0	135.0
31850N:69+00 W	<2.0	0.32	9.0	81.0
31850N:69+50 W	2.0	0.24	21.0	128.0
31850N:78+50 W	17.0	0.23	22.0	98.0
31850N:79+00 W	6.0	0.15	33.0	116.0
31850N:79+50 W	3.0	0.21	23.0	117.0
31850N:80+00 W	5.0	0.12	43.0	96.0
31900N:78+50 W	12.0	0.18	48.0	121.0
31900N:79+00 W	3.0	0.28	54.0	166.0
31900N:79+50 W	<2.0	0.22	18.0	124.0
31900N:80+00 W	2.0	0.15	23.0	159.0
31950N:78+50 W	<2.0	0.24	28.0	100.0
31950N:79+00 W	5.0	0.22	77.0	81.0
31950N:79+50 W	<2.0	0.18	27.0	141.0
31950N:80+00 W	4.0	0.21	61.0	76.0
32000N:78+50 W	<2.0	0.18	28.0	115.0
32000N:79+00 W	<2.0	0.22	17.0	93.0
32000N:79+50 W	54.0	0.12	33.0	92.0
32000N:80+00 W	<2.0	0.34	21.0	173.0
32050N:79+00 W	18.0	0.21	20.0	133.0

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
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T2E 6K3
PHONE: (403) 250-1901

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AUTHORITY:S. SCOTT

PROJECT: LIKELY - CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
32050N:79+50 W	17.0	0.62	26.0	140.0
32050N:80+00 W	<2.0	0.15	10.0	93.0
32100N:79+00 W	3.0	0.19	15.0	108.0
32100N:79+50 W	3.0	0.23	22.0	170.0
32100N:80+00 W	12.0	0.22	30.0	150.0
32350N:78+50 W	2.0	0.17	17.0	127.0
32350N:79+00 W	<2.0	0.21	15.0	95.0
32350N:79+50 W	<2.0	0.2	22.0	108.0
32350N:80+00 W	16.0	0.24	16.0	129.0
32400N:78+50 W	5.0	0.21	30.0	120.0
32400N:79+00 W	<2.0	0.28	26.0	117.0
32400N:79+50 W	7.0	0.14	21.0	112.0
32400N:80+00 W	3.0	0.19	13.0	143.0
32450N:70+00 W	7.0	0.22	65.0	158.0
32450N:70+50 W	10.0	0.1	45.0	137.0
32450N:71+00 W	3.0	0.15	16.0	138.0
32450N:71+50 W	82.0	0.16	80.0	140.0
32450N:72+00 W	66.0	0.13	30.0	115.0
32450N:72+50 W	14.0	0.2	30.0	137.0
32450N:73+00 W	14.0	0.3	100.0	90.0
32450N:73+50 W	5.0	0.15	32.0	180.0
32450N:74+00 W	5.0	0.18	75.0	115.0
32450N:74+50 W	13.0	0.27	56.0	125.0
32450N:75+00 W	10.0	0.28	157.0	119.0
32450N:75+50 W	14.0	0.16	60.0	177.0
32450N:76+00 W	20.0	0.4	290.0	154.0
32450N:76+50 W	33.0	0.57	550.0	111.0
32450N:77+00 W	33.0	0.45	240.0	119.0
32450N:77+50 W	8.0	0.14	65.0	81.0
32450N:78+00 W	4.0	0.1	63.0	75.0

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
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T2E 6K3
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AUTHORITY: S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY - CC

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
32450N:78+50 W	19.0	0.21	130.0	96.0
32450N:79+00 W	3.0	0.3	24.0	100.0
32450N:79+50 W	2.0	0.22	15.0	120.0
32450N:80+00 W	6.0	0.27	25.0	163.0
32500N:70+00 W	5.0	0.48	55.0	181.0
32500N:70+50 W	9.0	0.18	38.0	108.0
32500N:71+00 W	<2.0	0.33	22.0	101.0
32500N:71+50 W	8.0	0.18	147.0	136.0
32500N:72+00 W	4.0	0.28	15.0	198.0
32500N:72+50 W	7.0	0.18	30.0	131.0
32500N:73+00 W	3.0	0.1	25.0	125.0
32500N:73+50 W	7.0	0.21	34.0	185.0
32500N:74+00 W	9.0	0.23	12.0	117.0
32500N:74+50 W	4.0	0.28	28.0	131.0
32500N:75+00 W	12.0	0.33	186.0	125.0
32500N:75+50 W	4.0	0.14	22.0	105.0
32500N:76+00 W	56.0	0.1	57.0	73.0
32500N:76+50 W	6.0	0.16	110.0	123.0
32500N:77+00 W	25.0	0.1	370.0	103.0
32500N:77+50 W	<2.0	0.1	70.0	83.0
32500N:78+00 W	6.0	0.12	120.0	100.0
32500N:78+50 W	5.0	0.08	33.0	78.0
32500N:79+00 W	<2.0	0.07	45.0	70.0
32500N:79+50 W	6.0	0.31	25.0	128.0
32500N:80+00 W	<2.0	0.16	15.0	160.0

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
CALGARY, ALBERTA
T2E 6K3
PHONE: (403) 250-1901

25-NOV-85
PAGE: 24 OF 24
COPY: 1 OF 2

AUTHORITY:S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY - CC

WORK ORDER: 8278D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SIGNED: .....

C. Douglas Read,
LABORATORY MANAGER

FOOTNOTES:
P=QUESTIONABLE PRECISION: *=INTERFERENCE; TR=TRACE; ND=NO

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
CALGARY, ALBERTA
T2E 6K3
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13-NOV-85

AUTHORITY:S. SCOTT

PROJECT: LIKELY-CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30400N:73+00 W	6.0	0.56	57.0	204.0
30400N:73+50 W	2.0	0.3	70.0	118.0
30400N:74+00 W	18.0	0.34	106.0	98.0
30400N:74+50 W	21.0	0.46	280.0	220.0
30400N:75+00 W	5.0	0.5	30.0	127.0
30400N:75+50 W	5.0	0.46	45.0	155.0
30400N:76+00 W	<2.0	0.45	30.0	152.0
30400N:76+50 W	<2.0	0.34	128.0	145.0
30400N:77+00 W	<2.0	0.78	24.0	180.0
30400N:77+50 W	<2.0	0.65	24.0	186.0
30400N:78+00 W	4.0	0.38	39.0	127.0
30450N:73+00 W	14.0	0.36	28.0	127.0
30450N:73+50 W	3.0	0.34	27.0	195.0
30450N:74+00 W	13.0	0.5	87.0	97.0
30450N:74+50 W	15.0	0.28	82.0	101.0
30450N:75+00 W	4.0	0.36	24.0	211.0
30450N:75+50 W	<2.0	0.9	55.0	160.0
30450N:76+00 W	2.0	0.82	29.0	183.0
30450N:76+50 W	2.0	0.83	50.0	181.0
30450N:77+00 W	4.0	0.5	78.0	157.0
30450N:77+50 W	<2.0	0.74	30.0	118.0
30450N:78+00 W	<2.0	0.42	32.0	118.0
30500N:73+00 W	23.0	0.64	82.0	162.0
30500N:73+50 W	10.0	0.74	50.0	169.0
30500N:74+00 W	11.0	0.45	55.0	110.0
30500N:74+50 W	16.0	0.46	115.0	116.0
30500N:75+00 W	89.0	1.35	190.0	360.0
30500N:75+50 W	5.0	1.26	58.0	181.0
30500N:76+00 W	<2.0	0.77	65.0	88.0
30500N:76+50 W	5.0	0.69	32.0	210.0

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T2E 6K3
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13-NOV-85

AUTHORITY:S. SCOTT

PROJECT: LIKELY-CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30500N:77+00 W	2.0	0.38	20.0	141.0
30500N:77+50 W	3.0	1.32	17.0	110.0
30500N:78+00 W	<2.0	1.2	27.0	290.0
30550N:73+00 W	10.0	0.49	52.0	104.0
30550N:73+50 W	<2.0	0.55	34.0	137.0
30550N:74+00 W	4.0	0.36	35.0	88.0
30550N:74+50 W	25.0	0.41	117.0	110.0
30550N:75+00 W	108.0	0.24	78.0	88.0
30550N:75+50 W	5.0	0.25	35.0	101.0
30550N:76+00 W	38.0	0.68	39.0	200.0
30550N:76+50 W	35.0	0.66	77.0	240.0
30550N:77+00 W	7.0	0.46	44.0	141.0
30550N:77+50 W	16.0	0.4	88.0	143.0
30550N:78+00 W	267.0	0.57	28.0	128.0
30600N:73+00 W	<2.0	0.28	38.0	121.0
30600N:73+50 W	10.0	0.2	36.0	155.0
30600N:74+00 W	21.0	0.23	24.0	114.0
30600N:74+50 W	17.0	0.32	126.0	97.0
30600N:75+00 W	4.0	0.32	72.0	64.0
30600N:75+50 W	9.0	0.14	78.0	92.0
30600N:76+00 W	<2.0	0.33	37.0	120.0
30600N:76+50 W	32.0	0.62	51.0	199.0
30600N:77+00 W	<2.0	0.23	38.0	140.0
30600N:77+50 W	2.0	0.41	26.0	151.0
30600N:78+00 W	<2.0	0.33	42.0	181.0
30650N:73+00 W	7.0	0.24	147.0	101.0
30650N:73+50 W	4.0	0.15	68.0	128.0
30650N:74+00 W	8.0	0.21	41.0	137.0
30650N:74+50 W	8.0	0.47	22.0	166.0
30650N:75+00 W	13.0	0.43	90.0	115.0

BARRINGER MAGENTA
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4200B - 10 STREET N.E.
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T2E 6K3
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PAGE: 5 OF 20
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AUTHORITY:S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY-CC

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30650N:75+50 W	12.0	0.62	99.0	100.0
30650N:76+00 W	10.0	0.33	45.0	110.0
30650N:76+50 W	4.0	0.63	48.0	97.0
30650N:77+00 W	5.0	0.26	36.0	200.0
30650N:77+50 W	36.0	0.36	32.0	182.0
30650N:78+00 W	2.0	0.26	27.0	96.0
30700N:73+00 W	3.0	0.34	32.0	126.0
30700N:73+50 W	5.0	0.24	27.0	170.0
30700N:74+00 W	9.0	0.24	33.0	147.0
30700N:74+50 W	11.0	0.49	23.0	118.0
30700N:75+00 W	5.0	1.38	71.0	70.0
30700N:75+50 W	99.0	0.26	63.0	64.0
30700N:76+00 W	3.0	0.31	21.0	106.0
30700N:76+50 W	12.0	0.44	113.0	125.0
30700N:77+00 W	12.0	0.38	52.0	134.0
30700N:77+50 W	12.0	0.54	134.0	87.0
30700N:78+00 W	3.0	0.79	61.0	215.0
30750N:73+00 W	4.0	0.18	51.0	166.0
30750N:73+50 W	3.0	0.16	26.0	106.0
30750N:74+00 W	3.0	0.23	27.0	162.0
30750N:74+50 W	6.0	0.15	59.0	110.0
30750N:75+00 W	24.0	0.17	53.0	129.0
30750N:75+50 W	14.0	0.26	76.0	83.0
30750N:76+00 W	14.0	0.57	30.0	153.0
30750N:76+50 W	9.0	0.23	77.0	87.0
30750N:77+00 W	6.0	0.23	27.0	191.0
30750N:77+50 W	6.0	0.84	58.0	183.0
30750N:78+00 W	4.0	0.09	87.0	117.0
30800N:73+00 W	4.0	0.26	53.0	164.0
30800N:73+50 W	8.0	0.18	18.0	97.0

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Laboratories (Alberta) Ltd.

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CALGARY, ALBERTA
T2E 6K3
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COPY: 1 OF 2

AUTHORITY: S. SCOTT

PROJECT: LIKELY-CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30800N:74+00 W	6.0	0.08	37.0	133.0
30800N:74+50 W	8.0	0.24	39.0	138.0
30800N:75+00 W	23.0	0.14	51.0	146.0
30800N:75+50 W	162.0	0.24	86.0	100.0
30800N:76+00 W	26.0	0.27	82.0	95.0
30800N:76+50 W	36.0	0.32	76.0	102.0
30800N:77+00 W	28.0	0.38	42.0	165.0
30800N:77+50 W	10.0	0.34	46.0	169.0
30800N:78+00 W	4.0	0.44	27.0	180.0
30850N:73+00 W	<2.0	0.18	47.0	165.0
30850N:73+50 W	6.0	0.32	9.0	47.0
30850N:74+00 W	3.0	0.32	32.0	155.0
30850N:74+50 W	6.0	0.66	21.0	151.0
30850N:75+00 W	4.0	0.46	45.0	168.0
30850N:75+50 W	12.0	0.5	60.0	97.0
30850N:76+00 W	21.0	0.14	88.0	99.0
30850N:76+50 W	MS	MS	MS	MS
30850N:77+00 W	<2.0	0.39	37.0	115.0
30850N:77+50 W	<2.0	0.21	100.0	100.0
30850N:78+00 W	<2.0	0.23	8.0	43.0
30900N:70+00 W	<2.0	0.26	136.0	140.0
30900N:70+50 W	<2.0	0.53	41.0	180.0
30900N:71+00 W	<2.0	0.1	60.0	128.0
30900N:71+50 W	<2.0	0.32	49.0	133.0
30900N:72+00 W	<2.0	0.21	49.0	134.0
30900N:72+50 W	<2.0	0.25	18.0	128.0
30900N:73+00 W	<2.0	0.21	60.0	148.0
30900N:73+50 W	6.0	<0.02	65.0	140.0
30900N:74+00 W	<2.0	0.02	20.0	107.0
30900N:74+50 W	<2.0	<0.02	23.0	145.0

BARRINGER MAGENTA
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13-NOV-85

COPY: 1 OF 2

AUTHORITY:S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY-CC

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
30900N:75+00 W	63.0	0.12	50.0	68.0
30900N:75+50 W	MS	MS	MS	MS
30900N:76+00 W	MS	MS	MS	MS
30900N:76+50 W	MS	MS	MS	MS
30900N:77+00 W	<2.0	0.05	119.0	97.0
30900N:77+50 W	<2.0	0.36	59.0	98.0
30900N:78+00 W	<2.0	0.06	29.0	118.0
30950N:70+00 W	3.0	0.34	68.0	189.0
30950N:70+50 W	<2.0	0.05	20.0	103.0
30950N:71+00 W	<2.0	0.21	62.0	183.0
30950N:71+50 W	<2.0	0.1	27.0	88.0
30950N:72+00 W	6.0	0.08	18.0	98.0
30950N:72+50 W	<2.0	0.06	44.0	155.0
30950N:73+00 W	<2.0	<0.02	35.0	145.0
30950N:73+50 W	6.0	<0.02	7.0	62.0
30950N:74+00 W	3.0	0.09	37.0	81.0
30950N:74+50 W	4.0	0.1	24.0	172.0
30950N:75+00 W	6.0	<0.02	59.0	86.0
30950N:75+50 W	7.0	0.04	78.0	88.0
30950N:76+00 W	110.0	<0.02	75.0	86.0
30950N:76+50 W	290.0	0.58	82.0	106.0
30950N:77+00 W	<2.0	0.18	24.0	164.0
30950N:77+50 W	33.0	0.12	36.0	140.0
30950N:78+00 W	17.0	0.17	97.0	82.0
31000N:70+00 W	12.0	0.26	46.0	167.0
31000N:70+50 W	10.0	0.27	42.0	230.0
31000N:71+00 W	14.0	0.13	75.0	107.0
31000N:71+50 W	7.0	0.3	67.0	105.0
31000N:72+00 W	<2.0	<0.02	38.0	141.0
31000N:72+50 W	5.0	0.16	58.0	230.0

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
CALGARY, ALBERTA
T2E 6K3
PHONE: (403) 250-1901

13-NOV-85

AUTHORITY:S. SCOTT

PROJECT: LIKELY-CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
31000N:73+00 W	15.0	0.05	59.0	147.0
31000N:73+50 W	23.0	0.08	40.0	124.0
31000N:74+00 W	3.0	<0.02	65.0	111.0
31000N:74+50 W	<2.0	0.21	16.0	176.0
31000N:75+00 W	15.0	0.15	109.0	119.0
31000N:75+50 W	6.0	<0.02	76.0	86.0
31000N:76+00 W	8.0	0.05	76.0	90.0
31000N:76+50 W	<2.0	0.17	35.0	141.0
31000N:77+00 W	<2.0	0.14	34.0	217.0
31000N:77+50 W	<2.0	0.18	33.0	169.0
31000N:78+00 W	<2.0	<0.02	42.0	97.0
31050N:70+00 W	<2.0	0.06	112.0	166.0
31050N:70+50 W	5.0	0.27	29.0	118.0
31050N:71+00 W	<2.0	0.17	27.0	167.0
31050N:71+50 W	7.0	0.2	40.0	136.0
31050N:72+00 W	17.0	0.17	34.0	129.0
31050N:72+50 W	5.0	0.06	57.0	148.0
31050N:73+00 W	5.0	0.09	57.0	187.0
31050N:73+50 W	<2.0	0.12	15.0	117.0
31050N:74+00 W	3.0	0.09	24.0	147.0
31050N:74+50 W	10.0	0.08	75.0	80.0
31050N:75+00 W	14.0	0.06	80.0	95.0
31050N:75+50 W	9.0	0.04	85.0	98.0
31050N:76+00 W	MS	MS	MS	MS
31050N:76+50 W	2.0	0.34	51.0	132.0
31050N:77+00 W	5.0	1.47	106.0	174.0
31050N:77+50 W	36.0	0.17	42.0	113.0
31050N:78+00 W	<2.0	0.18	50.0	125.0
31100N:70+00 W	8.0	0.3	70.0	175.0
31100N:70+50 W	8.0	0.23	87.0	165.0

BARRINGER MAGENTA
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T2E 6K3
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PROJECT: LIKELY-CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
31100N:71+00 W	5.0	0.35	36.0	123.0
31100N:71+50 W	14.0	0.36	39.0	156.0
31100N:72+00 W	<2.0	0.36	16.0	133.0
31100N:72+50 W	<2.0	0.08	50.0	121.0
31100N:73+00 W	<2.0	0.18	31.0	179.0
31100N:73+50 W	<2.0	0.36	43.0	205.0
31100N:74+00 W	7.0	0.13	65.0	70.0
31100N:74+50 W	6.0	0.18	51.0	132.0
31100N:75+00 W	<2.0	0.37	58.0	67.0
31100N:75+50 W	2.0	0.24	37.0	118.0
31100N:76+00 W	130.0	0.26	79.0	95.0
31100N:76+50 W	4.0	0.13	57.0	120.0
31100N:77+00 W	30.0	0.32	53.0	138.0
31100N:77+50 W	<2.0	0.33	34.0	121.0
31100N:78+00 W	36.0	0.28	115.0	88.0
31150N:70+00 W	<2.0	0.54	31.0	163.0
31150N:70+50 W	<2.0	0.44	30.0	115.0
31150N:71+00 W	14.0	0.42	34.0	92.0
31150N:71+50 W	<2.0	0.32	31.0	130.0
31150N:72+00 W	<2.0	0.3	17.0	141.0
31150N:72+50 W	<2.0	0.26	20.0	77.0
31150N:73+00 W	<2.0	0.22	40.0	207.0
31150N:73+50 W	10.0	0.3	73.0	160.0
31150N:74+00 W	18.0	0.26	83.0	87.0
31150N:74+50 W	12.0	0.32	73.0	155.0
31150N:75+00 W	9.0	0.26	88.0	112.0
31150N:75+50 W	8.0	0.26	96.0	106.0
31150N:76+00 W	12.0	0.18	125.0	102.0
31150N:76+50 W	3.0	0.15	98.0	86.0
31150N:77+00 W	<2.0	0.16	63.0	100.0

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
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T2E 6K3
PHONE: (403) 250-1901

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CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
31150N:77+50 W	9.0	0.14	140.0	100.0
31150N:78+00 W	11.0	0.37	30.0	107.0
31200N:70+00 W	<2.0	0.31	40.0	168.0
31200N:70+50 W	5.0	0.51	42.0	107.0
31200N:71+00 W	9.0	0.42	43.0	202.0
31200N:71+50 W	39.0	0.27	42.0	137.0
31200N:72+00 W	4.0	0.3	22.0	108.0
31200N:72+50 W	<2.0	0.12	36.0	182.0
31200N:73+00 W	4.0	0.16	21.0	156.0
31200N:73+50 W	13.0	0.09	67.0	158.0
31200N:74+00 W	<2.0	0.29	33.0	240.0
31200N:74+50 W	<2.0	0.11	51.0	146.0
31200N:75+00 W	16.0	0.11	39.0	49.0
31200N:75+50 W	3.0	0.08	36.0	59.0
31200N:76+00 W	12.0	0.09	99.0	106.0
31200N:76+50 W	6.0	0.12	82.0	117.0
31200N:77+00 W	3.0	0.17	51.0	187.0
31200N:77+50 W	3.0	0.17	49.0	150.0
31200N:78+00 W	8.0	0.14	32.0	128.0
31800N:70+00 W	6.0	0.22	40.0	161.0
31800N:70+50 W	9.0	0.1	109.0	74.0
31800N:71+00 W	20.0	0.64	390.0	360.0
31800N:71+50 W	495.0	0.3	330.0	210.0
31800N:72+00 W	23.0	0.08	33.0	74.0
31800N:72+50 W	9.0	0.24	310.0	141.0
31800N:73+00 W	MS	MS	MS	MS
31800N:73+50 W	MS	MS	MS	MS
31800N:74+00 W	6.0	0.33	48.0	115.0
31800N:74+50 W	<2.0	0.3	19.0	104.0
31800N:75+00 W	<2.0	0.1	51.0	79.0

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
CALGARY, ALBERTA
T2E 6K3
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PAGE: 11 OF 20
COPY: 1 OF 2

AUTHORITY:S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY-CC

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
31800N:75+50 W	4.0	0.22	56.0	199.0
31800N:76+00 W	9.0	0.36	19.0	134.0
31800N:76+50 W	6.0	0.23	36.0	130.0
31800N:77+00 W	10.0	0.36	29.0	97.0
31800N:77+50 W	10.0	0.22	81.0	87.0
31800N:78+00 W	10.0	0.11	88.0	72.0
31850N:70+00 W	16.0	0.17	38.0	129.0
31850N:70+50 W	530.0	0.62	320.0	133.0
31850N:71+00 W	60.0	0.24	177.0	156.0
31850N:71+50 W	124.0	1.44	900.0	260.0
31850N:72+00 W	7.0	0.15	79.0	156.0
31850N:72+50 W	10.0	0.1	125.0	97.0
31850N:73+00 W	6.0	0.2	145.0	118.0
31850N:73+50 W	8.0	0.65	191.0	115.0
31850N:74+00 W	26.0	0.14	124.0	91.0
31850N:74+50 W	11.0	0.14	86.0	68.0
31850N:75+00 W	9.0	0.15	61.0	77.0
31850N:75+50 W	10.0	0.26	42.0	101.0
31850N:76+00 W	6.0	0.4	20.0	150.0
31850N:76+50 W	7.0	0.2	33.0	119.0
31850N:77+00 W	7.0	0.33	14.0	86.0
31850N:77+50 W	2.0	0.34	17.0	95.0
31850N:78+00 W	<2.0	0.15	27.0	90.0
31900N:67+00 W	6.0	0.38	35.0	163.0
31900N:67+50 W	17.0	0.25	46.0	230.0
31900N:68+00 W	30.0	0.39	49.0	310.0
31900N:68+50 W	8.0	0.36	19.0	124.0
31900N:69+00 W	9.0	0.23	27.0	81.0
31900N:69+50 W	2.0	0.19	35.0	143.0
31900N:70+00 W	18.0	0.28	54.0	208.0

BARRINGER MAGENTA
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4200B - 10 STREET N.E.
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AUTHORITY:S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY-CC

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
31900N:70+50 W	7.0	0.2	31.0	142.0
31900N:71+00 W	20.0	0.18	155.0	96.0
31900N:71+50 W	5.0	0.65	300.0	270.0
31900N:72+00 W	12.0	0.36	216.0	174.0
31900N:72+50 W	24.0	0.3	93.0	101.0
31900N:73+00 W	<2.0	0.5	182.0	180.0
31900N:73+50 W	4.0	0.06	48.0	66.0
31900N:74+00 W	5.0	0.17	65.0	79.0
31900N:74+50 W	15.0	0.38	91.0	130.0
31900N:75+00 W	11.0	0.36	142.0	93.0
31900N:75+50 W	14.0	0.77	61.0	205.0
31900N:76+00 W	76.0	0.21	32.0	119.0
31900N:76+50 W	45.0	0.18	77.0	79.0
31900N:77+00 W	55.0	0.47	21.0	99.0
31900N:77+50 W	5.0	0.12	91.0	73.0
31900N:78+00 W	5.0	0.3	52.0	75.0
31950N:67+00 W	13.0	0.34	70.0	173.0
31950N:67+50 W	19.0	0.42	65.0	270.0
31950N:68+00 W	6.0	0.38	30.0	230.0
31950N:68+50 W	140.0	0.31	20.0	217.0
31950N:69+00 W	29.0	0.37	92.0	119.0
31950N:69+50 W	5.0	0.24	11.0	68.0
31950N:70+00 W	6.0	0.34	51.0	206.0
31950N:70+50 W	7.0	0.14	32.0	85.0
31950N:71+00 W	8.0	0.18	67.0	86.0
31950N:71+50 W	34.0	0.49	280.0	157.0
31950N:72+00 W	16.0	0.32	410.0	250.0
31950N:72+50 W	42.0	0.09	183.0	240.0
31950N:73+00 W	6.0	0.16	103.0	172.0
31950N:73+50 W	11.0	0.1	40.0	76.0

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AUTHORITY:S. SCOTT

PROJECT: LIKELY-CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
31950N:74+00 W	9.0	0.08	55.0	72.0
31950N:74+50 W	7.0	0.09	63.0	80.0
31950N:75+00 W	17.0	0.11	44.0	85.0
31950N:75+50 W	8.0	0.19	65.0	84.0
31950N:76+00 W	3.0	0.22	21.0	84.0
31950N:76+50 W	5.0	0.24	21.0	111.0
31950N:77+00 W	4.0	0.24	38.0	151.0
31950N:77+50 W	<2.0	0.12	43.0	114.0
31950N:78+00 W	18.0	0.1	55.0	115.0
32000N:67+00 W	<2.0	0.18	49.0	38.0
32000N:67+50 W	10.0	0.31	62.0	190.0
32000N:68+00 W	62.0	0.29	38.0	260.0
32000N:68+50 W	20.0	0.13	27.0	186.0
32000N:69+00 W	5.0	0.2	27.0	191.0
32000N:69+50 W	16.0	0.24	34.0	230.0
32000N:70+00 W	3.0	0.18	17.0	212.0
32000N:70+50 W	8.0	0.16	41.0	152.0
32000N:71+00 W	19.0	0.1	31.0	102.0
32000N:71+50 W	MS	MS	MS	MS
32000N:72+00 W	27.0	0.81	188.0	105.0
32000N:72+50 W	30.0	0.54	300.0	199.0
32000N:73+00 W	17.0	0.25	81.0	94.0
32000N:73+50 W	8.0	0.14	45.0	81.0
32000N:74+00 W	4.0	0.06	37.0	60.0
32000N:74+50 W	6.0	0.04	49.0	66.0
32000N:75+00 W	42.0	0.3	116.0	163.0
32000N:75+50 W	3.0	0.1	31.0	87.0
32000N:76+00 W	4.0	0.13	59.0	78.0
32000N:76+50 W	8.0	0.05	58.0	74.0
32000N:77+00 W	7.0	0.08	53.0	76.0

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PROJECT: LIKELY-CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
32000N:77+50 W	60.0	0.4	30.0	120.0
32000N:78+00 W	4.0	0.33	20.0	130.0
32050N:67+00 W	13.0	0.13	41.0	100.0
32050N:67+50 W	34.0	0.21	29.0	250.0
32050N:68+00 W	18.0	0.23	40.0	240.0
32050N:68+50 W	14.0	0.36	32.0	145.0
32050N:69+00 W	14.0	0.16	25.0	146.0
32050N:69+50 W	16.0	0.25	43.0	175.0
32050N:70+00 W	<2.0	0.21	33.0	40.0
32050N:70+50 W	24.0	0.17	38.0	161.0
32050N:71+00 W	9.0	0.09	53.0	70.0
32050N:71+50 W	9.0	0.24	130.0	180.0
32050N:72+00 W	6.0	0.14	151.0	153.0
32050N:72+50 W	7.0	0.18	48.0	82.0
32050N:73+00 W	12.0	0.08	62.0	73.0
32050N:73+50 W	9.0	0.05	39.0	69.0
32050N:74+00 W	16.0	0.23	68.0	95.0
32050N:74+50 W	5.0	0.39	39.0	91.0
32050N:75+00 W	4.0	0.18	29.0	90.0
32050N:75+50 W	10.0	0.17	53.0	71.0
32050N:76+00 W	12.0	0.14	54.0	82.0
32050N:76+50 W	12.0	0.1	77.0	70.0
32050N:77+00 W	6.0	0.19	35.0	105.0
32050N:77+50 W	7.0	0.21	34.0	113.0
32050N:78+00 W	9.0	0.09	38.0	77.0
32100N:67+00 W	14.0	0.08	46.0	74.0
32100N:67+50 W	25.0	0.22	47.0	180.0
32100N:68+00 W	18.0	0.15	48.0	185.0
32100N:68+50 W	43.0	2.03	196.0	132.0
32100N:69+00 W	24.0	0.2	61.0	102.0

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CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY-CL

WORK ORDER: 82700-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
32100N:69+50 W	21.0	0.42	58.0	60.0
32100N:70+00 W	14.0	0.73	290.0	130.0
32100N:70+50 W	42.0	0.3	300.0	128.0
32100N:71+00 W	13.0	0.2	93.0	92.0
32100N:71+50 W	9.0	0.16	65.0	110.0
32100N:72+00 W	7.0	0.12	46.0	98.0
32100N:72+50 W	16.0	0.16	73.0	85.0
32100N:73+00 W	10.0	0.07	57.0	98.0
32100N:73+50 W	10.0	0.15	55.0	85.0
32100N:74+00 W	9.0	0.08	56.0	81.0
32100N:74+50 W	MS	MS	MS	MS
32100N:75+00 W	7.0	0.06	25.0	76.0
32100N:75+50 W	3.0	0.16	51.0	77.0
32100N:76+00 W	11.0	0.1	47.0	63.0
32100N:76+50 W	3.0	0.13	44.0	60.0
32100N:77+00 W	23.0	0.18	82.0	62.0
32100N:77+50 W	6.0	0.08	56.0	51.0
32100N:78+00 W	<2.0	0.3	15.0	173.0
32150N:67+00 W	<2.0	0.53	37.0	137.0
32150N:67+50 W	57.0	0.27	46.0	300.0
32150N:68+00 W	45.0	0.37	43.0	250.0
32150N:68+50 W	36.0	0.27	151.0	209.0
32150N:69+00 W	8.0	0.26	35.0	330.0
32150N:69+50 W	<2.0	0.15	30.0	182.0
32150N:70+00 W	25.0	0.18	48.0	184.0
32150N:70+50 W	2.0	0.07	33.0	63.0
32150N:71+00 W	15.0	0.09	92.0	89.0
32150N:71+50 W	9.0	0.05	135.0	76.0
32150N:72+00 W	15.0	0.09	124.0	149.0
32150N:72+50 W	8.0	0.15	65.0	219.0

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CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY-CC

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
32150N:73+00 W	9.0	0.09	106.0	85.0
32150N:73+50 W	6.0	0.26	162.0	145.0
32150N:74+00 W	MS	MS	MS	MS
32150N:74+50 W	7.0	0.09	65.0	81.0
32150N:75+00 W	10.0	0.23	97.0	163.0
32150N:75+50 W	3.0	0.08	55.0	66.0
32150N:76+00 W	5.0	0.19	77.0	84.0
32150N:76+50 W	36.0	0.18	78.0	73.0
32150N:77+00 W	19.0	0.17	90.0	94.0
32150N:77+50 W	6.0	0.12	30.0	98.0
32150N:78+00 W	6.0	0.11	58.0	69.0
32150N:78+50 W	3.0	0.33	32.0	123.0
32150N:79+00 W	12.0	0.3	12.0	82.0
32150N:79+50 W	<2.0	0.35	14.0	142.0
32150N:80+00 W	3.0	0.3	17.0	150.0
32200N:67+00 W	3.0	0.18	13.0	126.0
32200N:67+50 W	38.0	0.16	35.0	183.0
32200N:68+00 W	7.0	0.27	27.0	210.0
32200N:68+50 W	25.0	0.29	15.0	113.0
32200N:69+00 W	<2.0	0.3	112.0	45.0
32200N:69+50 W	5.0	0.28	19.0	121.0
32200N:70+00 W	11.0	0.12	19.0	158.0
32200N:70+50 W	<2.0	0.1	45.0	168.0
32200N:71+00 W	22.0	0.18	122.0	66.0
32200N:71+50 W	6.0	0.16	31.0	71.0
32200N:72+00 W	92.0	0.16	260.0	95.0
32200N:72+50 W	<2.0	0.15	198.0	109.0
32200N:73+00 W	400.0	0.15	690.0	129.0
32200N:73+50 W	MS	MS	MS	MS
32200N:74+00 W	MS	MS	MS	MS

BARRINGER MAGENTA
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CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
32200N:74+50 W	MS	MS	MS	MS
32200N:75+00 W	MS	MS	MS	MS
32200N:75+50 W	15.0	0.2	73.0	83.0
32200N:76+00 W	3.0	0.05	24.0	54.0
32200N:76+50 W	4.0	0.09	46.0	58.0
32200N:77+00 W	14.0	0.17	89.0	83.0
32200N:77+50 W	8.0	0.06	51.0	58.0
32200N:78+00 W	7.0	0.15	40.0	92.0
32200N:78+50 W	2.0	0.14	23.0	152.0
32200N:79+00 W	2.0	0.16	25.0	115.0
32200N:79+50 W	4.0	0.12	33.0	106.0
32200N:80+00 W	3.0	0.22	36.0	112.0
32250N:70+00 W	4.0	<0.02	22.0	137.0
32250N:70+50 W	8.0	0.27	20.0	168.0
32250N:71+00 W	28.0	0.17	21.0	104.0
32250N:71+50 W	15.0	0.14	11.0	149.0
32250N:72+00 W	5.0	0.19	19.0	96.0
32250N:72+50 W	4.0	0.15	67.0	68.0
32250N:73+00 W	270.0	0.08	230.0	103.0
32250N:73+50 W	21.0	0.1	216.0	106.0
32250N:74+00 W	33.0	0.06	320.0	113.0
32250N:74+50 W	105.0	0.45	570.0	110.0
32250N:75+00 W	9.0	0.18	60.0	81.0
32250N:75+50 W	132.0	0.94	520.0	130.0
32250N:76+00 W	7.0	0.32	29.0	90.0
32250N:76+50 W	12.0	0.31	64.0	82.0
32250N:77+00 W	6.0	0.21	54.0	60.0
32250N:77+50 W	11.0	0.17	85.0	87.0
32250N:78+00 W	<2.0	0.28	25.0	110.0
32250N:78+50 W	<2.0	0.06	50.0	60.0

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T2E 6K3
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PROJECT: LIKELY-CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
32250N:79+00 W	8.0	0.2	24.0	101.0
32250N:79+50 W	<2.0	0.72	17.0	192.0
32250N:80+00 W	6.0	0.27	20.0	141.0
32300N:70+00 W	<2.0	0.2	40.0	215.0
32300N:70+50 W	5.0	0.84	81.0	171.0
32300N:71+00 W	2.0	0.43	20.0	130.0
32300N:71+50 W	<2.0	0.41	17.0	150.0
32300N:72+00 W	10.0	0.17	18.0	121.0
32300N:72+50 W	7.0	0.27	26.0	128.0
32300N:73+00 W	12.0	<0.02	194.0	125.0
32300N:73+50 W	5.0	0.14	480.0	162.0
32300N:74+00 W	48.0	0.15	660.0	167.0
32300N:74+50 W	330.0	0.6	500.0	97.0
32300N:75+00 W	140.0	0.65	620.0	152.0
32300N:75+50 W	400.0	0.45	360.0	111.0
32300N:76+00 W	7.0	0.2	66.0	83.0
32300N:76+50 W	8.0	0.21	73.0	80.0
32300N:77+00 W	12.0	0.12	160.0	114.0
32300N:77+50 W	49.0	0.25	178.0	117.0
32300N:78+00 W	21.0	0.26	83.0	130.0
32300N:78+50 W	2.0	0.31	25.0	94.0
32300N:79+00 W	10.0	0.28	35.0	140.0
32300N:79+50 W	<2.0	0.4	36.0	160.0
32300N:80+00 W	4.0	0.2	45.0	112.0
32350N:70+00 W	13.0	0.37	172.0	96.0
32350N:70+50 W	2.0	0.35	24.0	167.0
32350N:71+00 W	6.0	0.25	45.0	157.0
32350N:71+50 W	5.0	0.23	18.0	79.0
32350N:72+00 W	4.0	0.28	14.0	138.0
32350N:72+50 W	6.0	0.31	22.0	88.0

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
CALGARY, ALBERTA
T2E 6K3
PHONE: (403) 250-1901

13-NOV-85

AUTHORITY:S. SCOTT

PROJECT: LIKELY-CC

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
32350N:73+00 W	12.0	0.24	37.0	125.0
32350N:73+50 W	10.0	0.4	43.0	107.0
32350N:74+00 W	62.0	0.64	590.0	250.0
32350N:74+50 W	27.0	0.3	420.0	82.0
32350N:75+00 W	210.0	1.06	360.0	107.0
32350N:75+50 W	54.0	0.57	300.0	106.0
32350N:76+00 W	15.0	0.13	172.0	112.0
32350N:76+50 W	20.0	0.35	92.0	96.0
32350N:77+00 W	12.0	0.34	90.0	77.0
32350N:77+50 W	15.0	0.18	138.0	90.0
32350N:78+00 W	11.0	0.34	80.0	95.0
32400N:70+00 W	9.0	0.23	62.0	141.0
32400N:70+50 W	10.0	0.24	31.0	171.0
32400N:71+00 W	6.0	0.21	49.0	95.0
32400N:71+50 W	12.0	0.14	21.0	145.0
32400N:72+00 W	4.0	0.35	7.0	42.0
32400N:72+50 W	27.0	0.37	24.0	114.0
32400N:73+00 W	26.0	0.44	20.0	156.0
32400N:73+50 W	24.0	0.69	30.0	122.0
32400N:74+00 W	6.0	0.36	25.0	140.0
32400N:74+50 W	7.0	0.24	30.0	110.0
32400N:75+00 W	183.0	0.39	460.0	120.0
32400N:75+50 W	110.0	1.44	360.0	99.0
32400N:76+00 W	30.0	0.51	360.0	146.0
32400N:76+50 W	8.0	0.2	189.0	100.0
32400N:77+00 W	60.0	0.12	86.0	84.0
32400N:77+50 W	42.0	0.54	250.0	106.0
32400N:78+00 W	<2.0	0.1	55.0	67.0

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
CALGARY, ALBERTA
T2E 6K3
PHONE: (403) 250-1901

13-NOV-85
NOV 21 1985
PAGE: 20 OF 20
COPY: 1 OF 2

AUTHORITY:S. SCOTT

CEDARMINE RESOURCES INC.
631 - 19 STREET N.E.
CALGARY, ALBERTA T2E 4X1

ATTN: R. COOK

PROJECT: LIKELY-CC

WORK ORDER: 8270D-85

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SIGNED: .....

C. Douglas Read,
LABORATORY MANAGER

FOOTNOTES:
P=QUESTIONABLE PRECISION; *=INTERFERENCE: TR=TRACE; ND=NOT DETECTED;
IS=INSUFFICIENT SAMPLE; NA=NOT ANALYZED; MS=MISSING SAMPLE

BARRINGER MAGENTA
Laboratories (Alberta) Ltd.

4200B - 10 STREET N.E.
CALGARY, ALBERTA
T2E 6K3
PHONE: (403) 250-1901

13-NOV-85
PAGE: 17 OF 20
COPY: 1 OF 2

AUTHORIZED SIGN:

CEDARMINE RESOURCES INC.
631 - 1st STREET N.E.
CALGARY, ALBERTA T2E 4A1

PROJECT: LIKELY

WORK ORDER: 85-00-49

ATTN: K. COUR

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

SAMPLE NUMBER	FIRE ASSAY AU PPB	FIRE ASSAY AG PPM	CU PPM	ZN PPM
32200N:74+50 W	MS	MS	MS	MS
32200N:75+00 W	MS	MS	MS	MS
32200N:75+50 W	15.0	0.2	73.0	53.0
32200N:76+00 W	3.0	0.05	34.0	58.0
32200N:76+50 W	4.0	0.09	46.0	98.0
32200N:77+00 W	14.0	0.17	89.0	53.0
32200N:77+50 W	6.0	0.05	51.0	36.0
32200N:78+00 W	2.0	0.15	46.0	92.0
32200N:78+50 W	2.0	0.14	28.0	102.0
32200N:79+00 W	2.0	0.16	25.0	110.0
32200N:79+50 W	4.0	0.13	53.0	106.0
32200N:80+00 W	3.0	0.22	50.0	122.0
32250N:70+00 W	4.0	<0.02	22.0	18?.0
32250N:70+50 W	8.0	0.27	20.0	162.0
32250N:71+00 W	26.0	0.1?	21.0	104.0
32250N:71+50 W	13.0	0.1?	11.0	??.0
32250N:72+00 W	5.0	0.12	19.0	75.0
32250N:72+50 W	6.0	0.15	52.0	77.0
32250N:73+00 W	??.0	0.08	37.0	1?3.0
32250N:73+50 W	21.0	0.1	215.0	98.0
32250N:74+00 W	23.0	0.05	27.0	112.0
32250N:74+50 W	103.0	0.??	570.0	??.0
32250N:75+00 W	9.0	0.15	60.0	81.0
32250N:75+50 W	133.0	0.98	920.0	??.0
32250N:76+00 W	7.0	0.26	29.0	90.0
32250N:76+50 W	12.0	0.?1	69.0	82.0
32250N:77+00 W	6.0	0.1	38.0	70.0
32250N:77+50 W	11.0	0.15	??.0	8?.0
32250N:78+00 W	13.0	0.??	?.?.0	150.0
32250N:78+50 W	12.0	0.0?	96.0	80.0

CEDAR CREEK GRID

Correlation matrix un-transformed data Page: 1

Soil statistics for work orders 8270 and 8278

Column:		1	2	3	4
1	Gold	1.00	1132.00	1132.00	1132.00
2	Silver	.15	1.00	1132.00	1132.00
3	Copper	.52	.22	1.00	1132.00
4	Zinc	.04	.08	.14	1.00

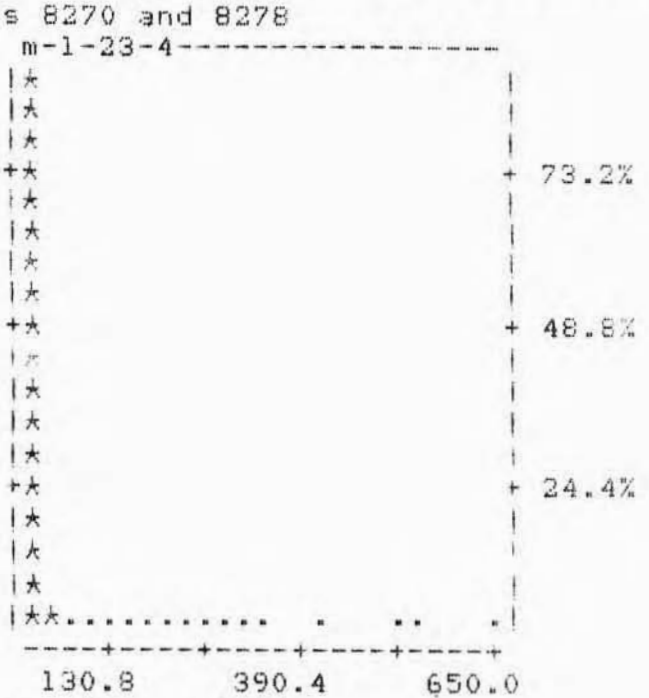
Soil statistics for work orders 8270 and 8278

	Column:	1	2	3	4
1	Gold	1.00	1132.00	1132.00	1132.00
2	Silver	.12	1.00	1132.00	1132.00
3	Copper	.41	.15	1.00	1132.00
4	Zinc	-.01	.35	.09	1.00

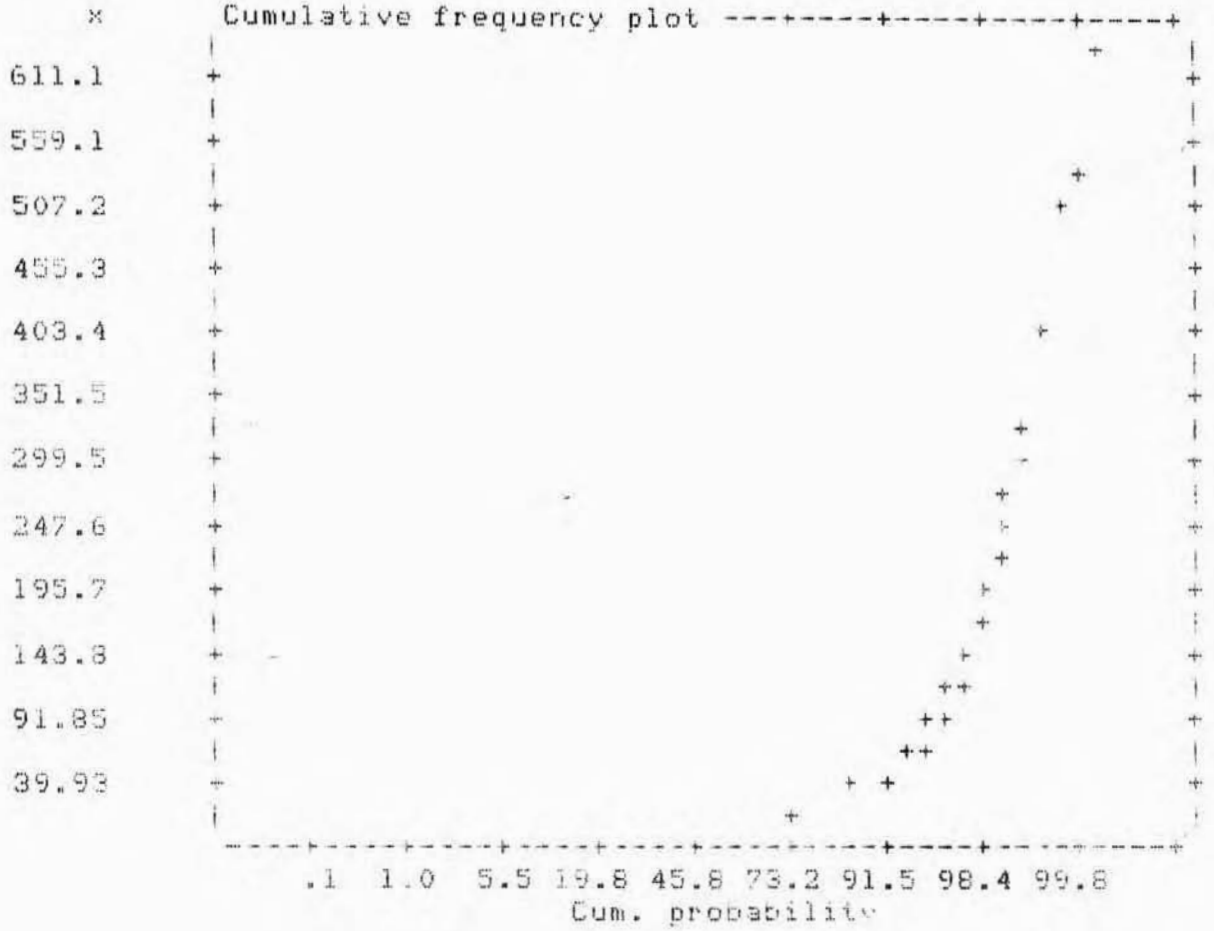
Column: 1 un-transformed Gold statistics Page: 3

Soil statistics for work orders 8270 and 8278

Total :	1132.0
L.t.d. :	265.00
G.t.d. :	.00000
Minimum :	1.0000
Mean :	16.655
+ 1 s.d.:	61.264
+ 2 s.d.:	105.87
+ 3 s.d.:	150.48
+ 4 s.d.:	195.09
+ 5 s.d.:	239.70
Maximum :	650.00
St. dev.:	44.608
Variance:	1989.9



Skewness: .0224 standard error: .0728
Kurtosis: 78.9201 standard error: .1456

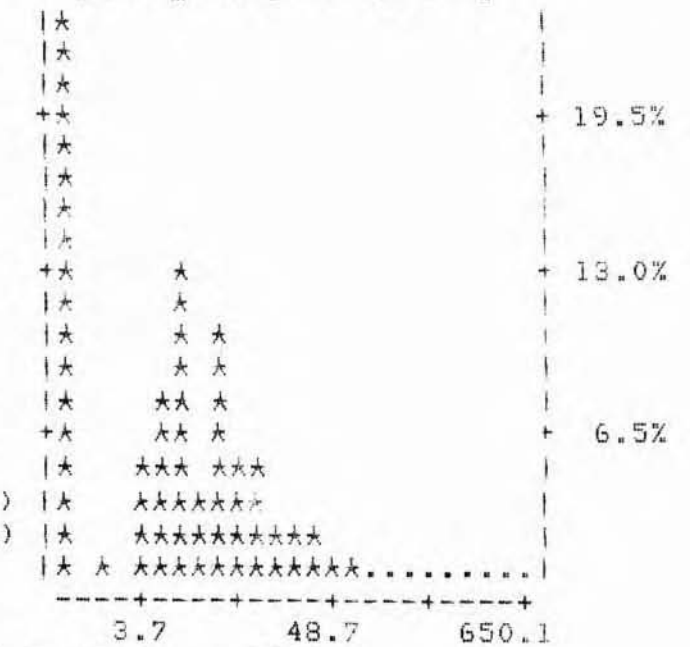


Soil statistics for work orders 8270 and 8278

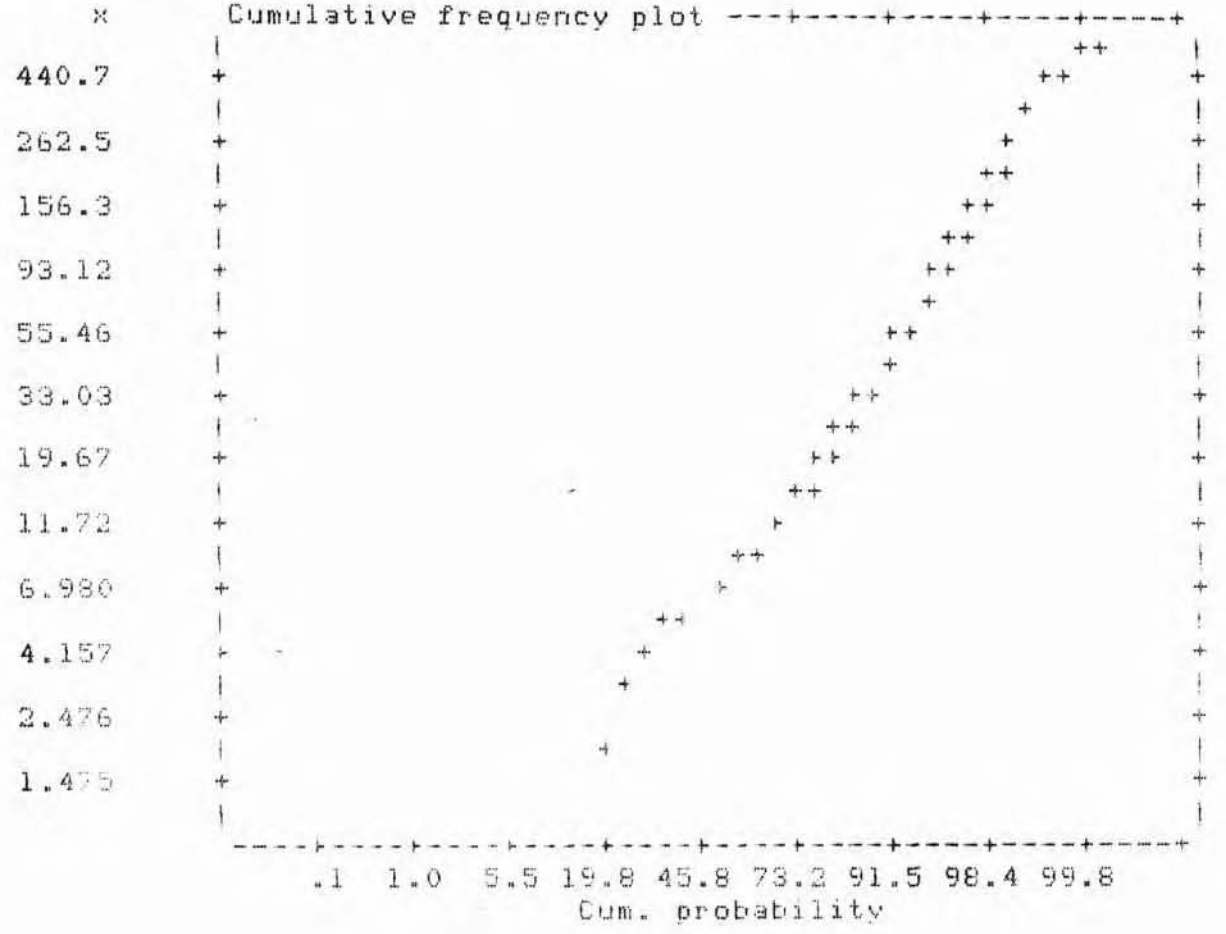
Zone	From	To	Total	Percent	Cum%
1	1.000	13.98	856	75.6	75.6
2	13.98	26.96	139	12.3	87.9
3	26.96	39.94	50	4.4	92.3
4	39.94	52.92	21	1.9	94.2
5	52.92	65.90	16	1.4	95.6
6	65.90	78.88	5	.4	96.0
7	78.88	91.86	8	.7	96.7
8	91.86	104.8	5	.4	97.2
9	104.8	117.8	6	.5	97.7
10	117.8	130.8	4	.4	98.1
11	130.8	143.8	3	.3	98.3
12	143.8	156.8	2	.2	98.5
13	156.8	169.7	3	.3	98.8
15	182.7	195.7	1	.1	98.9
17	208.7	221.7	2	.2	99.0
20	247.6	260.6	1	.1	99.1
21	260.6	273.6	2	.2	99.3
23	286.6	299.5	1	.1	99.4
24	299.5	312.5	1	.1	99.5
26	325.5	338.5	1	.1	99.6
31	390.4	403.4	2	.2	99.7
39	494.2	507.2	1	.1	99.8
41	520.2	533.2	1	.1	99.9
50	637.0	650.0	1	.1	100.0

Soil statistics for work orders 8270 and 8278

Total :	1132.0		
L.t.d. :	265.00		
G.t.d. :	.00000		
Minimum :	1.0000		
Mean :	5.9174		
+ 1 s.d.:	22.286		
+ 2 s.d.:	83.931		
+ 3 s.d.:	316.10		
+ 4 s.d.:	1190.5		
+ 5 s.d.:	4483.5		
Maximum :	650.00		
St. dev.:	.57590	(log)	
Variance:	.33166	(log)	



Skewness: 1.7349 standard error: .0728
Kurtosis: -.0028 standard error: .1456

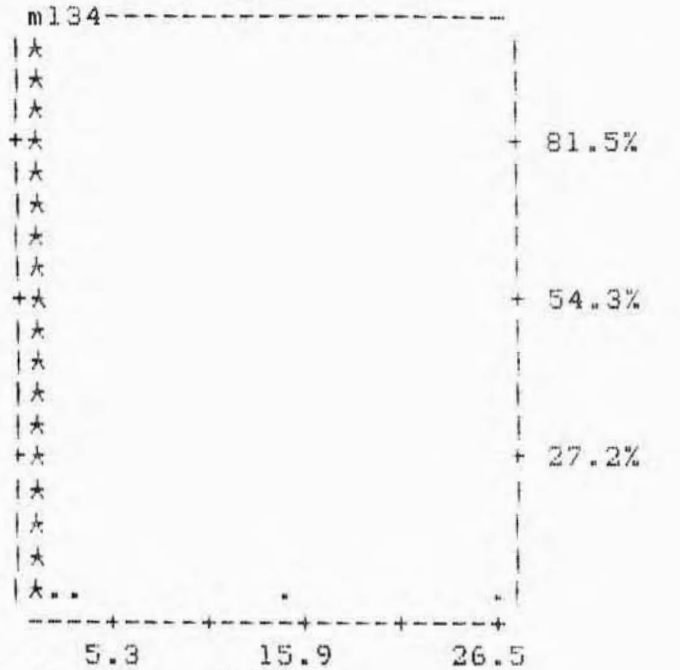


Soil statistics for work orders 8270 and 8278

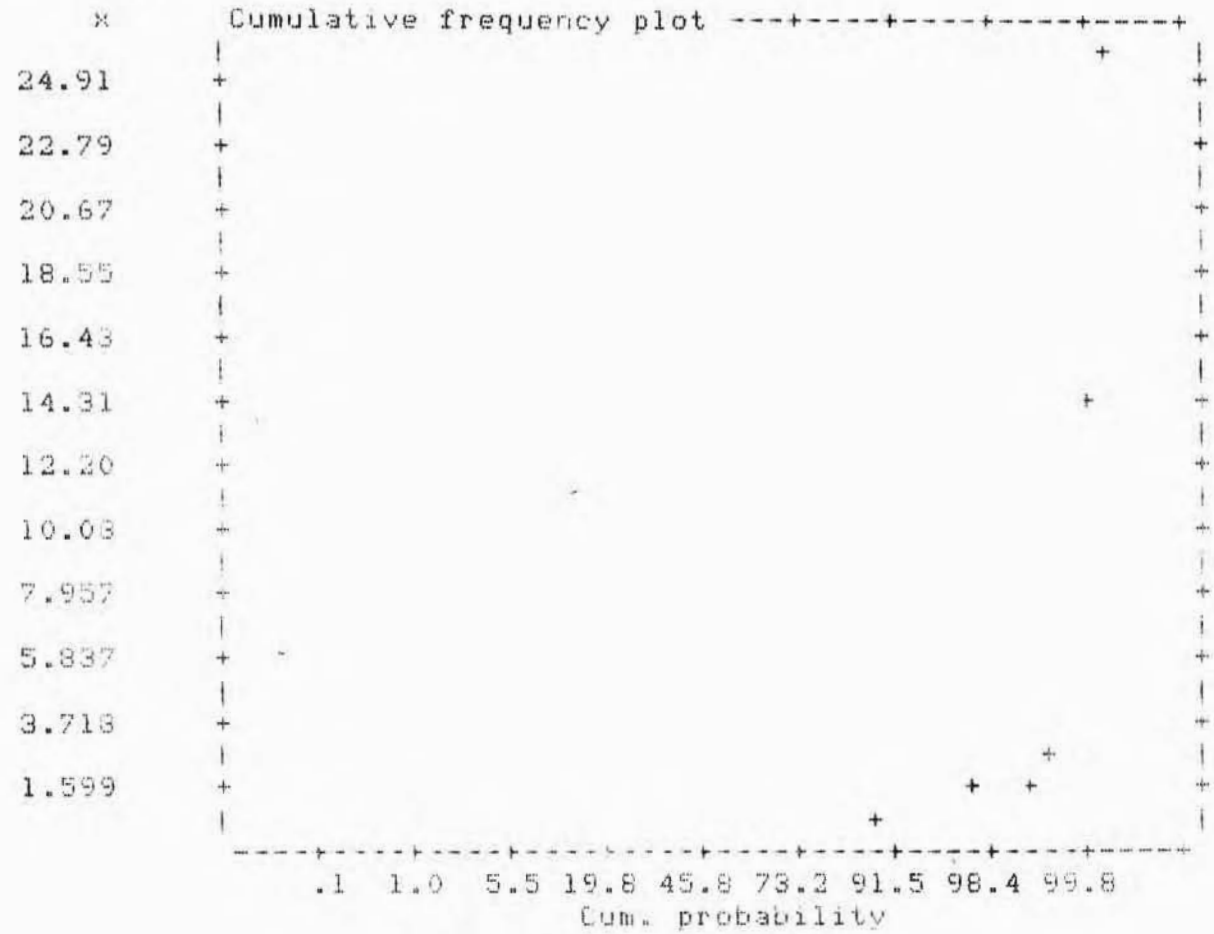
Zone	From	To	Total	Percent	Cum%
1	1.000	1.138	265	23.4	23.4
6	1.911	2.175	24	2.1	25.5
9	2.819	3.209	70	6.2	31.7
11	3.653	4.158	90	8.0	39.7
13	4.733	5.387	62	5.5	45.1
14	5.387	6.132	94	8.3	53.4
16	6.981	7.946	54	4.8	58.2
17	7.946	9.045	82	7.2	65.5
18	9.045	10.30	42	3.7	69.2
19	10.30	11.72	17	1.5	70.7
20	11.72	13.34	56	4.9	75.6
21	13.34	15.19	43	3.8	79.4
22	15.19	17.29	29	2.6	82.0
23	17.29	19.68	21	1.9	83.8
24	19.68	22.40	18	1.6	85.4
25	22.40	25.50	21	1.9	87.3
26	25.50	29.02	16	1.4	88.7
27	29.02	33.04	23	2.0	90.7
28	33.04	37.61	15	1.3	92.0
29	37.61	42.81	11	1.0	93.0
30	42.81	48.73	6	.5	93.6
31	48.73	55.47	10	.9	94.4
32	55.47	63.14	13	1.1	95.6
33	63.14	71.87	2	.2	95.8
34	71.87	81.81	4	.4	96.1
35	81.81	93.13	9	.8	96.9
36	93.13	106.0	4	.4	97.3
37	106.0	120.7	5	.4	97.7
38	120.7	137.4	5	.4	98.1
39	137.4	156.4	4	.4	98.5
40	156.4	178.0	3	.3	98.8
41	178.0	202.6	1	.1	98.9
42	202.6	230.6	2	.2	99.0
43	230.6	262.5	1	.1	99.1
44	262.5	298.8	3	.3	99.4
45	298.8	340.2	2	.2	99.6
47	387.2	440.7	2	.2	99.7
48	440.7	501.7	1	.1	99.8
49	501.7	571.1	1	.1	99.9
50	571.1	650.1	1	.1	100.0

Soil statistics for work orders 8270 and 8278

Total :	1132.0
L.t.d. :	12.000
G.t.d. :	.00000
Minimum :	.10000E -1
Mean :	.32330
+ 1 s.d.:	1.2507
+ 2 s.d.:	2.1780
+ 3 s.d.:	3.1054
+ 4 s.d.:	4.0328
+ 5 s.d.:	4.9602
Maximum :	26.500
St. dev.:	.92737
Variance:	.86002



Skewness: 1.0774 standard error: .0728
Kurtosis: 609.0068 standard error: .1456



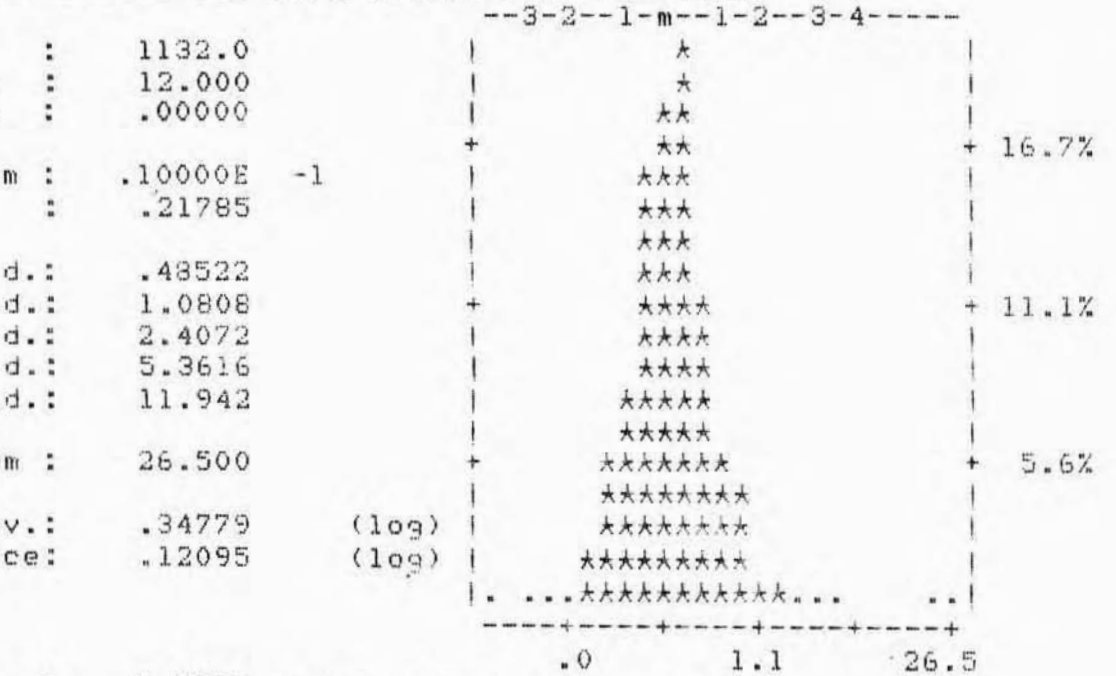
Soil statistics for work orders 8270 and 8278

Zone	From	To	Total	Percent	Cum%
1	.1000E -1	.5398	1013	89.5	89.5
2	.5398	1.070	94	8.3	97.8
3	1.070	1.599	19	1.7	99.5
4	1.599	2.129	1	.1	99.6
5	2.129	2.659	1	.1	99.6
6	2.659	3.189	2	.2	99.8
28	14.31	14.84	1	.1	99.9
50	25.97	26.50	1	.1	100.0

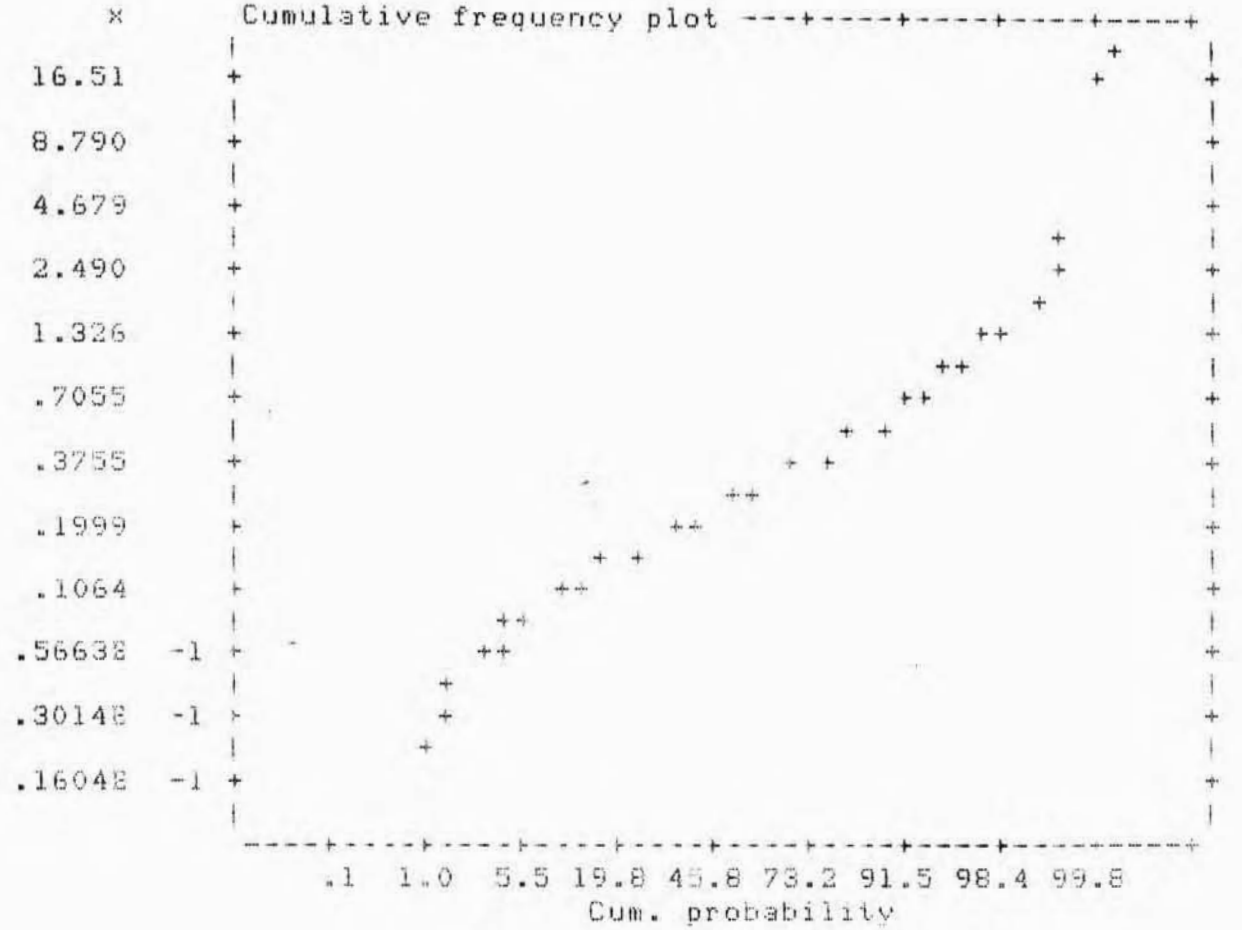
Column: 2 log-transformed Silver statistics Page: 6

Soil statistics for work orders 8270 and 8278

Total :	1132.0		
L.t.d. :	12.000		
G.t.d. :	.00000		
Minimum :	.10000E -1		
Mean :	.21785		
+ 1 s.d.:	.48522		
+ 2 s.d.:	1.0808		
+ 3 s.d.:	2.4072		
+ 4 s.d.:	5.3616		
+ 5 s.d.:	11.942		
Maximum :	26.500		
St. dev.:	.34779	(log)	
Variance:	.12095	(log)	



Skewness: 2.8729 standard error: .0728
Kurtosis: 3.5992 standard error: .1456



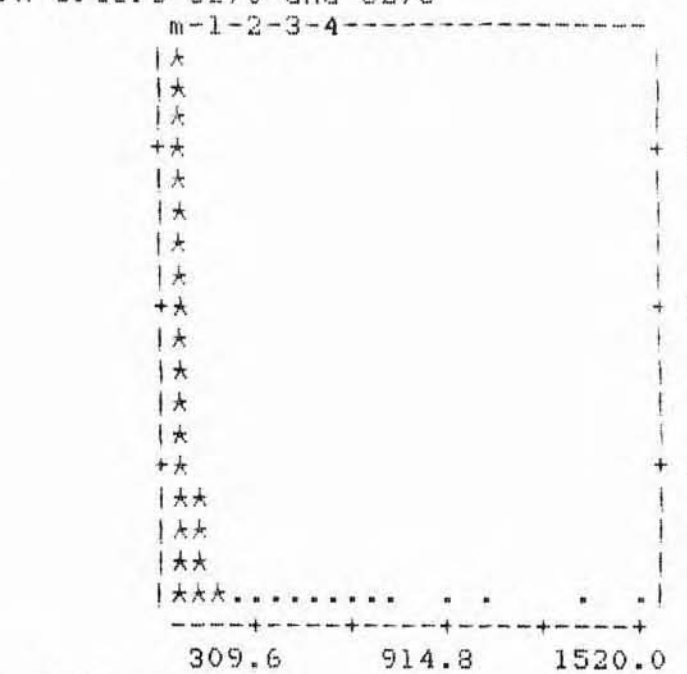
Soil statistics for work orders 8270 and 8278

Zone	From	To	Total	Percent	Cum%
1	.1000E -1	.1171E -1	12	1.1	1.1
5	.1879E -1	.2200E -1	7	.6	1.7
7	.2575E -1	.3015E -1	3	.3	1.9
9	.3530E -1	.4132E -1	11	1.0	2.9
11	.4838E -1	.5664E -1	14	1.2	4.2
12	.5664E -1	.6631E -1	12	1.1	5.2
13	.6631E -1	.7764E -1	16	1.4	6.6
14	.7764E -1	.9089E -1	52	4.6	11.2
15	.9089E -1	.1064	37	3.3	14.5
16	.1064	.1246	54	4.8	19.3
17	.1246	.1459	60	5.3	24.6
18	.1459	.1708	119	10.5	35.1
19	.1708	.1999	77	6.8	41.9
20	.1999	.2341	126	11.1	53.0
21	.2341	.2740	108	9.5	62.5
22	.2740	.3208	119	10.5	73.1
23	.3208	.3756	83	7.3	80.4
24	.3756	.4397	53	4.7	85.1
25	.4397	.5148	46	4.1	89.1
26	.5148	.6027	28	2.5	91.6
27	.6027	.7057	32	2.8	94.4
28	.7057	.8261	22	1.9	96.4
29	.8261	.9672	10	.9	97.3
30	.9672	1.132	7	.6	97.9
31	1.132	1.326	8	.7	98.6
32	1.326	1.552	10	.9	99.5
34	1.817	2.127	1	.1	99.6
35	2.127	2.491	1	.1	99.6
37	2.916	3.414	2	.2	99.8
47	14.11	16.52	1	.1	99.9
50	22.64	26.50	1	.1	100.0

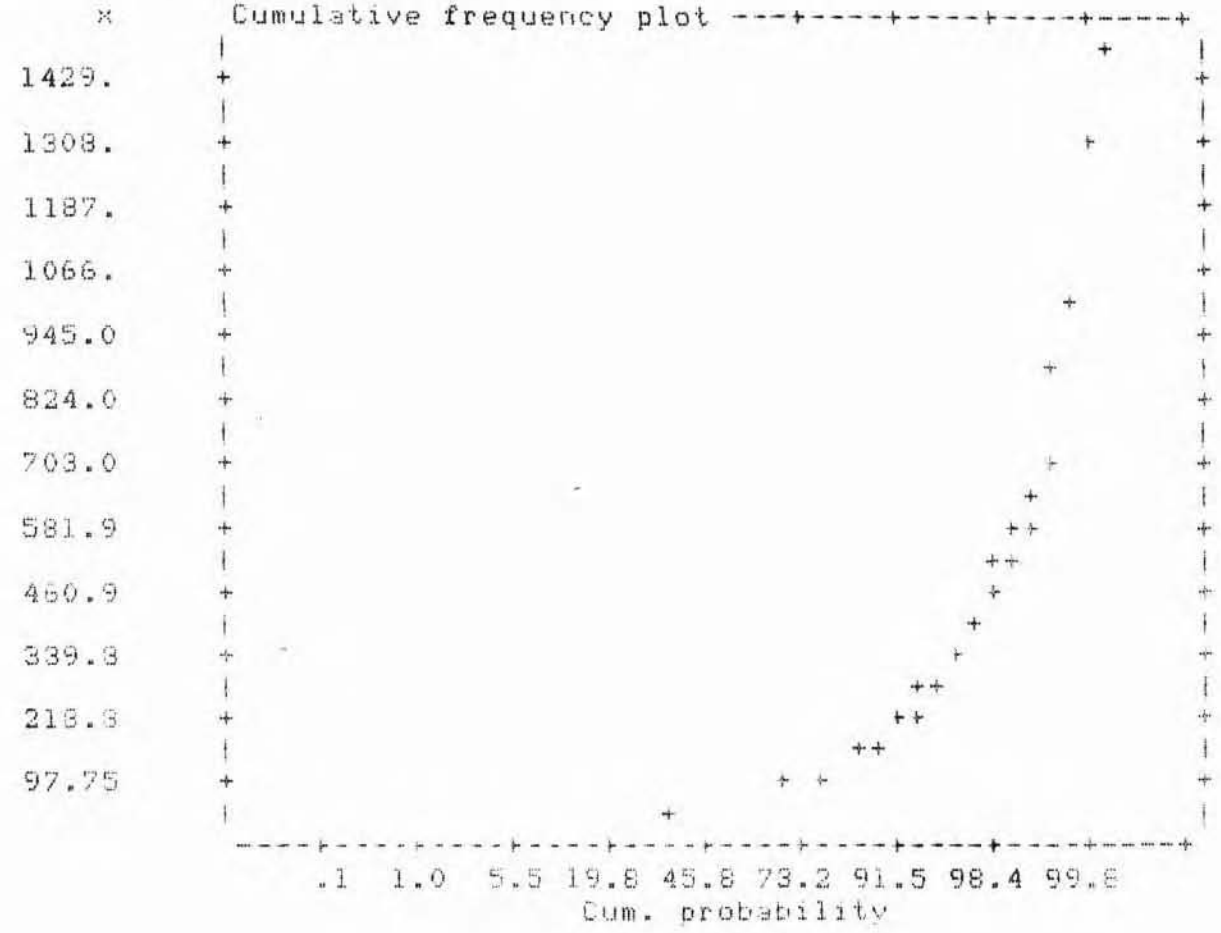
Column: 3 un-transformed Copper statistics Page: 7

Soil statistics for work orders 8270 and 8278

Total :	1132.0	
L.t.d. :	.00000	
G.t.d. :	.00000	
		57.3%
Minimum :	7.0000	
Mean :	76.328	
+ 1 s.d.:	183.25	
+ 2 s.d.:	290.17	38.2%
+ 3 s.d.:	397.09	
+ 4 s.d.:	504.02	
+ 5 s.d.:	610.94	
Maximum :	1520.0	19.1%
St. dev.:	106.92	
Variance:	11432.	



Skewness: .0093 standard error: .0728
Kurtosis: 57.4277 standard error: .1456

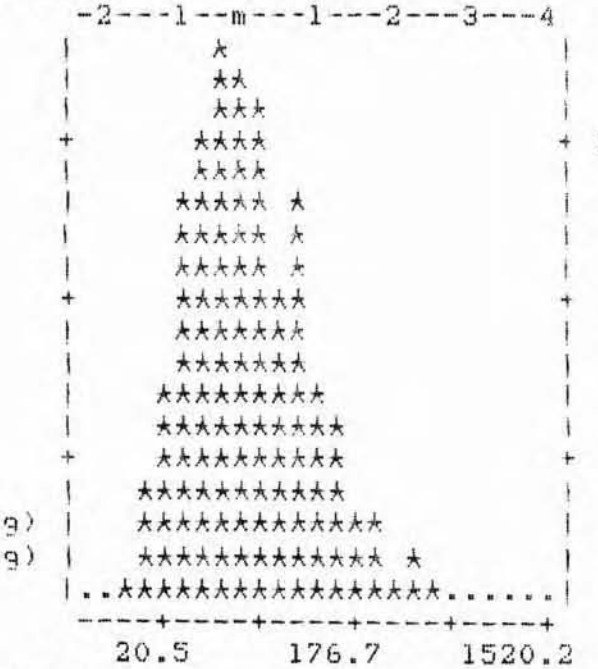


Soil statistics for work orders 8270 and 8278

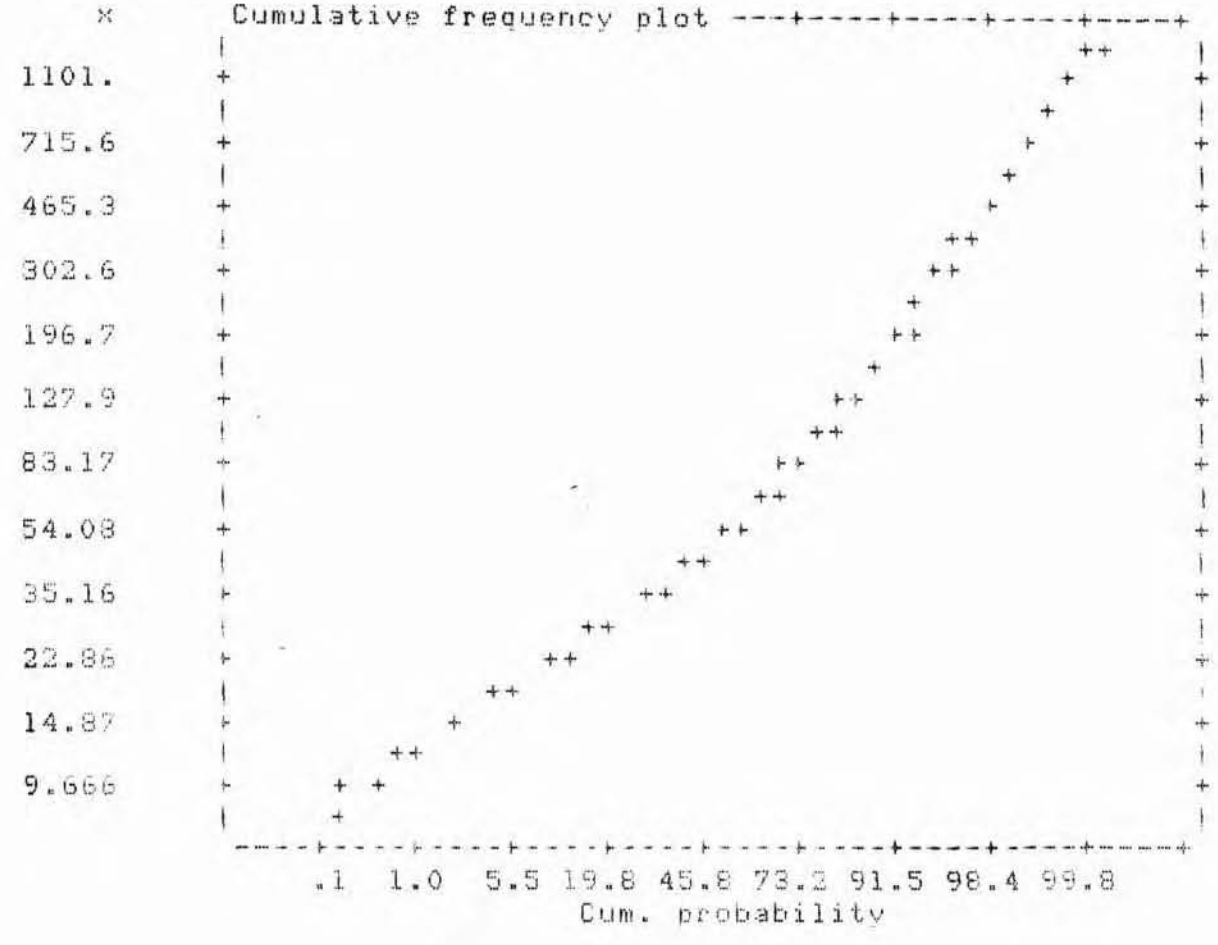
Zone	From	To	Total	Percent	Cum%
1	7.000	37.26	445	**39.3**	39.3
2	37.26	67.52	334	**29.5**	68.8
3	67.52	97.78	135	**11.9**	80.7
4	97.78	128.0	77	**6.8**	87.5
5	128.0	158.3	39	**3.4**	91.0
6	158.3	188.6	24	2.1	93.1
7	188.6	218.8	16	1.4	94.5
8	218.8	249.1	5	.4	95.0
9	249.1	279.3	6	.5	95.5
10	279.3	309.6	14	1.2	96.7
11	309.6	339.9	8	.7	97.4
12	339.9	370.1	7	.6	98.1
13	370.1	400.4	3	.3	98.3
14	400.4	430.6	2	.2	98.5
15	430.6	460.9	1	.1	98.6
16	460.9	491.2	1	.1	98.7
17	491.2	521.4	4	.4	99.0
18	521.4	551.7	1	.1	99.1
19	551.7	582.0	2	.2	99.3
20	582.0	612.2	1	.1	99.4
21	612.2	642.5	1	.1	99.5
22	642.5	672.7	1	.1	99.6
23	672.7	703.0	1	.1	99.6
30	884.6	914.8	1	.1	99.7
34	1006.	1036.	1	.1	99.8
44	1308.	1338.	1	.1	99.9
50	1490.	1520.	1	.1	100.0

Soil statistics for work orders 8270 and 8278

Total :	1132.0		
L.t.d. :	.00000		
G.t.d. :	.00000		
Minimum :	7.0000		
Mean :	51.026		
+ 1 s.d.:	114.28		
+ 2 s.d.:	255.93		6.7%
+ 3 s.d.:	573.19		
+ 4 s.d.:	1283.7		
+ 5 s.d.:	2875.0		
Maximum :	1520.0		3.4%
St. dev.:	.35017	(log)	
Variance:	.12262	(log)	



Skewness: 2.8532 standard error: .0728
Kurtosis: .8231 standard error: .1456

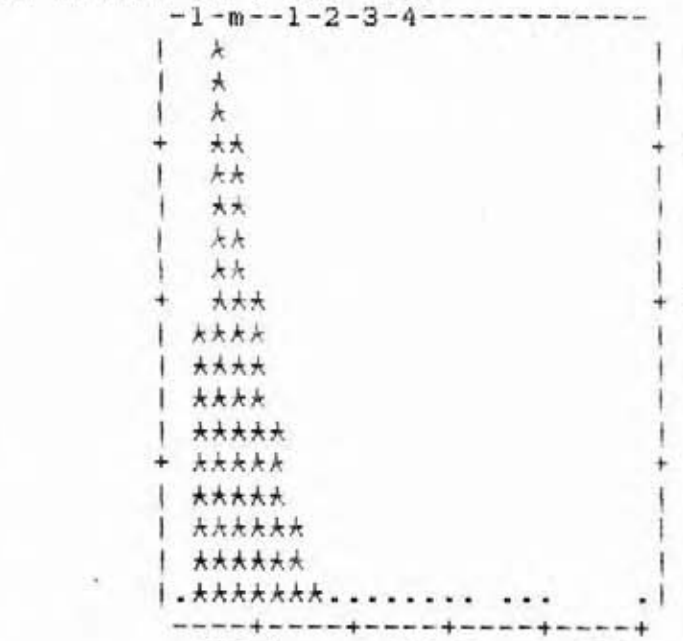


Soil statistics for work orders 8270 and 8278

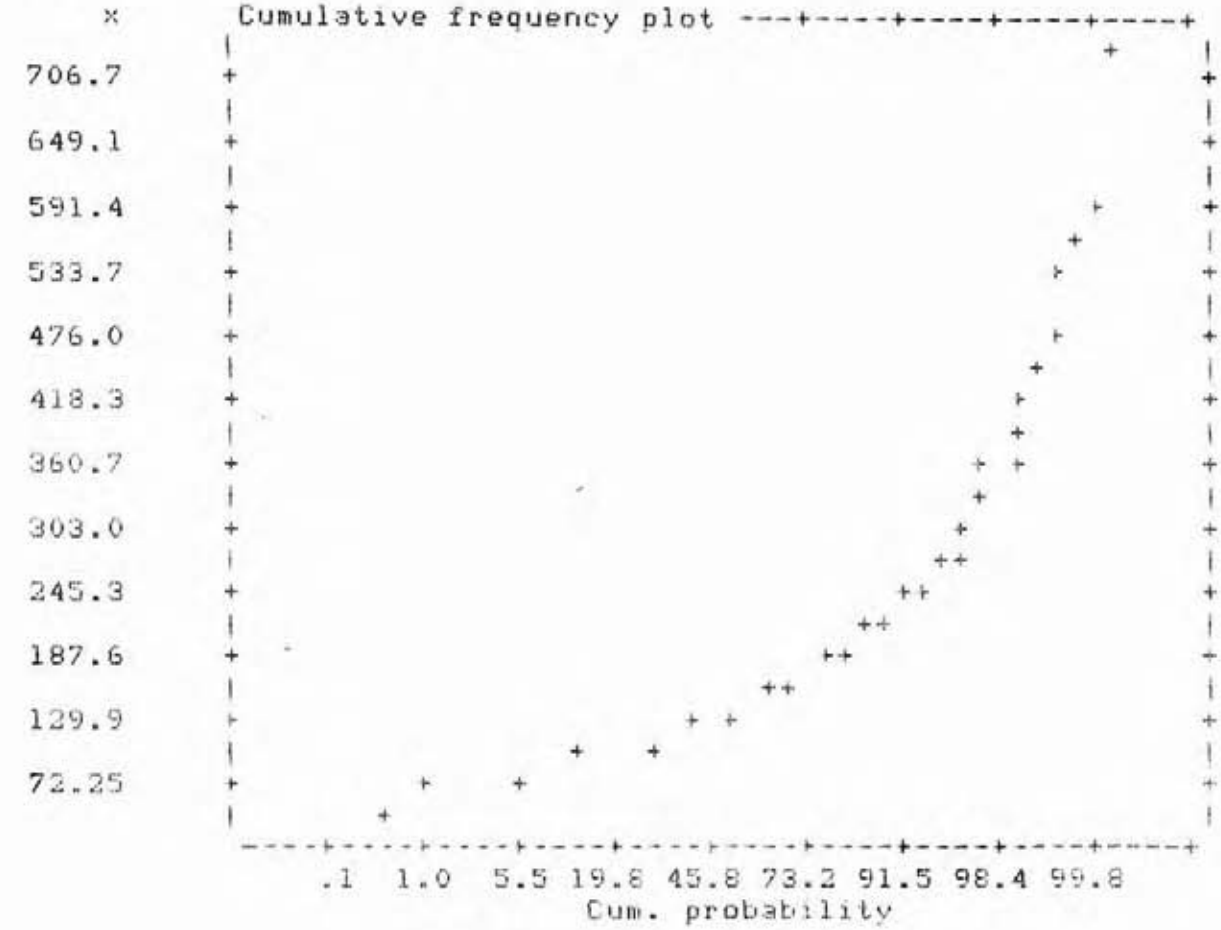
Zone	From	To	Total	Percent	Cum%
1	7.000	7.795	2	.2	.2
2	7.795	8.681	1	.1	.3
3	8.681	9.667	4	.4	.6
4	9.667	10.77	2	.2	.8
5	10.77	11.99	5	.4	1.2
6	11.99	13.35	9	.8	2.0
7	13.35	14.87	5	.4	2.5
8	14.87	16.56	25	2.2	4.7
9	16.56	18.44	24	2.1	6.8
10	18.44	20.53	35	3.1	9.9
11	20.53	22.87	39	3.4	13.3
12	22.87	25.46	62	5.5	18.8
13	25.46	28.36	58	5.1	23.9
14	28.36	31.58	60	5.3	29.2
15	31.58	35.17	80	7.1	36.3
16	35.17	39.16	57	5.0	41.3
17	39.16	43.61	77	6.8	48.1
18	43.61	48.57	58	5.1	53.3
19	48.57	54.09	66	5.8	59.1
20	54.09	60.23	57	5.0	64.1
21	60.23	67.07	53	4.7	68.8
22	67.07	74.69	27	2.4	71.2
23	74.69	83.18	59	5.2	76.4
24	83.18	92.63	40	3.5	79.9
25	92.63	103.2	32	2.8	82.8
26	103.2	114.9	25	2.2	85.0
27	114.9	127.9	28	2.5	87.5
28	127.9	142.5	24	2.1	89.6
29	142.5	158.6	16	1.4	91.0
30	158.6	176.7	13	1.1	92.1
31	176.7	196.7	21	1.9	94.0
32	196.7	219.1	6	.5	94.5
33	219.1	244.0	5	.4	95.0
34	244.0	271.7	6	.5	95.5
35	271.7	302.6	14	1.2	96.7
36	302.6	337.0	8	.7	97.4
37	337.0	375.3	7	.6	98.1
38	375.3	417.9	4	.4	98.4
39	417.9	465.4	2	.2	98.6
40	465.4	518.2	4	.4	98.9
41	518.2	577.1	3	.3	99.2
42	577.1	642.7	3	.3	99.5
43	642.7	715.7	2	.2	99.6
46	889.6	988.4	1	.1	99.7
47	988.4	1101.	1	.1	99.8
49	1226.	1365.	1	.1	99.9
50	1365.	1520.	1	.1	100.0

Soil statistics for work orders 8270 and 8278

Total :	1132.0
L.t.d. :	.00000
G.t.d. :	.00000
Minimum :	29.000
Mean :	139.78
+ 1 s.d.:	205.18
+ 2 s.d.:	270.58
+ 3 s.d.:	335.97
+ 4 s.d.:	401.37
+ 5 s.d.:	466.77
Maximum :	750.00
St. dev.:	65.399
Variance:	4277.0



Skewness: .0153 standard error: .0728
Kurtosis: 13.5579 standard error: .1456



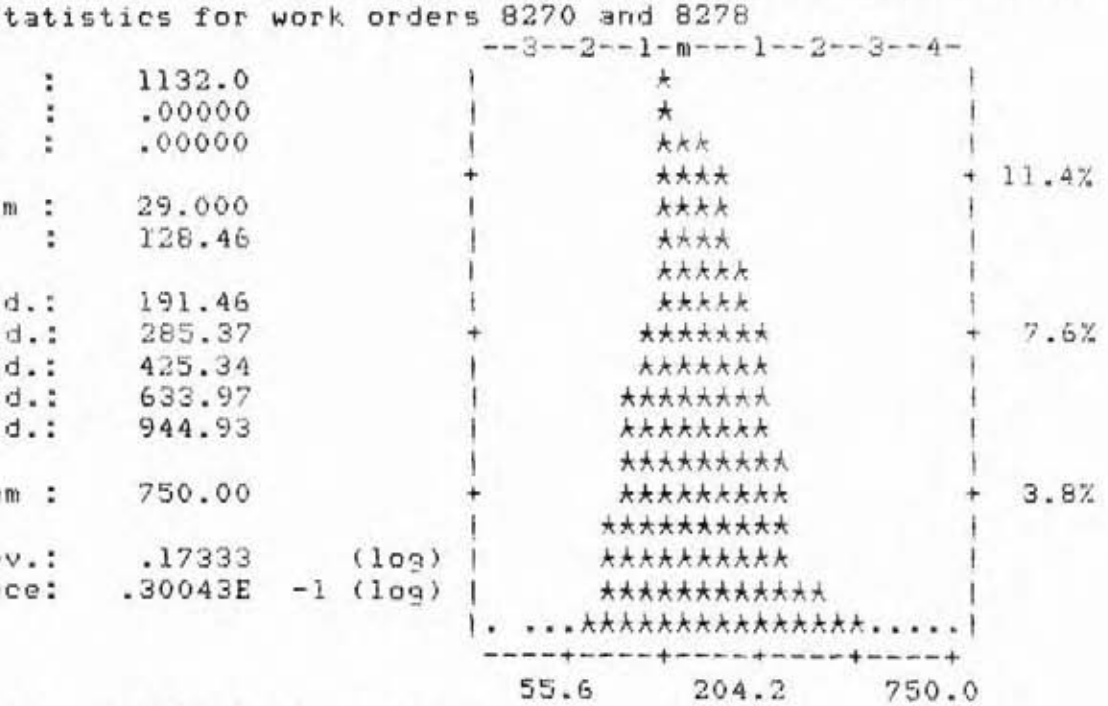
Soil statistics for work orders 8270 and 8278

Zone	From	To	Total	Percent	Cum%
1	29.00	43.42	5	.4	.4
2	43.42	57.84	8	.7	1.1
3	57.84	72.26	55	4.9	6.0
4	72.26	86.68	106	9.4	15.4
5	86.68	101.1	161	14.2	29.6
6	101.1	115.5	133	11.7	41.3
7	115.5	129.9	115	10.2	51.5
8	129.9	144.4	135	11.9	63.4
9	144.4	158.8	90	8.0	71.4
10	158.8	173.2	87	7.7	79.1
11	173.2	187.6	64	5.7	84.7
12	187.6	202.0	40	3.5	88.3
13	202.0	216.5	36	3.2	91.4
14	216.5	230.9	23	2.0	93.5
15	230.9	245.3	14	1.2	94.7
16	245.3	259.7	11	1.0	95.7
17	259.7	274.1	11	1.0	96.6
18	274.1	288.6	4	.4	97.0
19	288.6	303.0	4	.4	97.3
20	303.0	317.4	3	.3	97.6
21	317.4	331.8	3	.3	97.9
22	331.8	346.2	5	.4	98.3
23	346.2	360.7	8	.7	99.0
24	360.7	375.1	1	.1	99.1
26	389.5	403.9	1	.1	99.2
28	418.3	432.8	2	.2	99.4
30	447.2	461.6	2	.2	99.6
32	476.0	490.4	1	.1	99.6
36	533.7	548.1	1	.1	99.7
38	562.6	577.0	1	.1	99.8
39	577.0	591.4	1	.1	99.9
50	735.6	750.0	1	.1	100.0

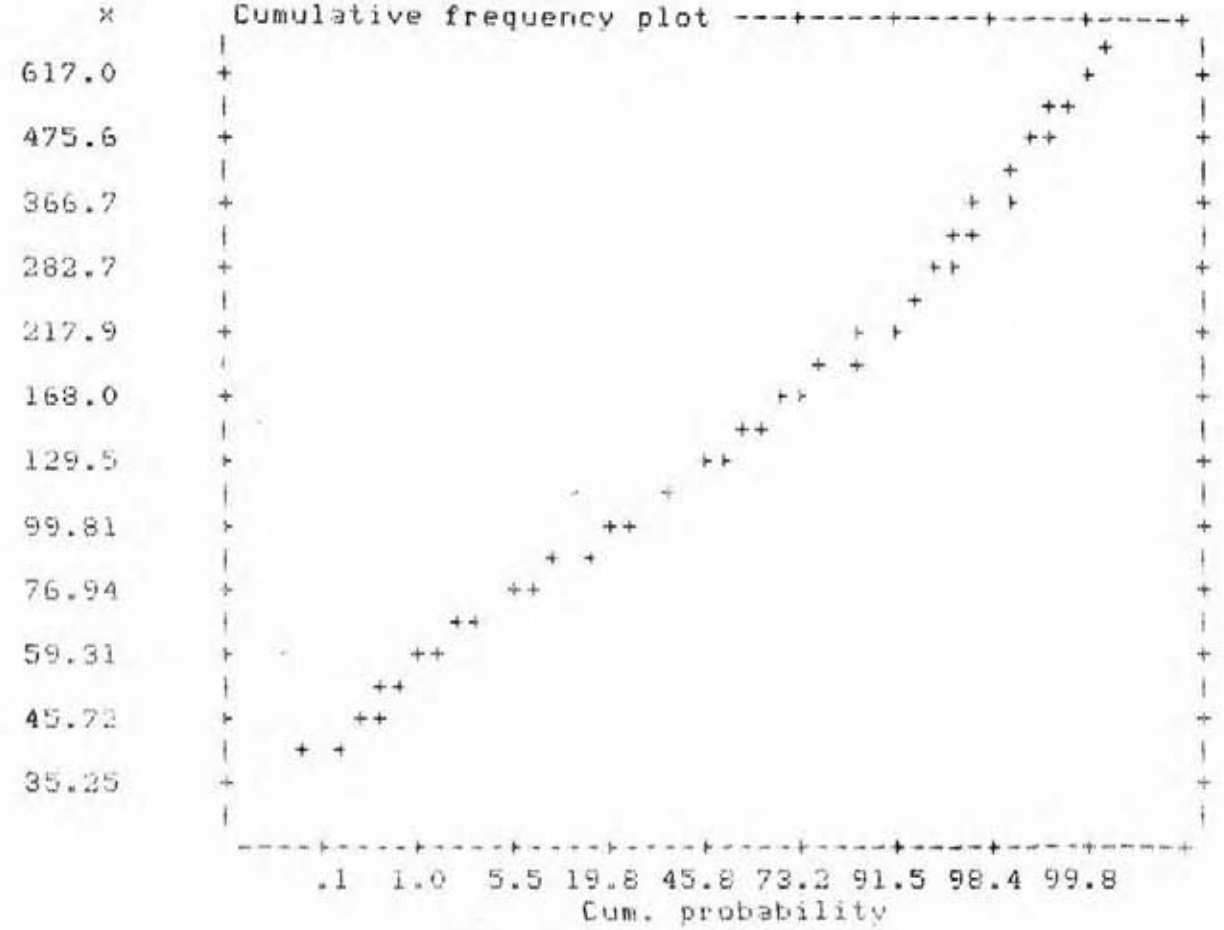
Column: 4 log-transformed Zinc statistics Page: 10

Soil statistics for work orders 8270 and 8278

Total :	1132.0		
L.t.d. :	.00000		
G.t.d. :	.00000		
Minimum :	29.000		
Mean :	128.46		
+ 1 s.d.:	191.46		
+ 2 s.d.:	285.37		
+ 3 s.d.:	425.34		
+ 4 s.d.:	633.97		
+ 5 s.d.:	944.93		
Maximum :	750.00		
St. dev.:	.17333	(log)	
Variance:	.30043E -1	(log)	



Skewness: 5.7649 standard error: .0728
Kurtosis: .8565 standard error: .1456



Soil statistics for work orders 8270 and 8278

Zone	From	To	Total	Percent	Cum%
1	29.00	30.95	1	.1	.1
5	37.62	40.15	2	.2	.3
6	40.15	42.85	1	.1	.4
7	42.85	45.73	2	.2	.5
8	45.73	48.80	1	.1	.6
9	48.80	52.08	2	.2	.8
10	52.08	55.58	3	.3	1.1
11	55.58	59.32	5	.4	1.5
12	59.32	63.31	11	1.0	2.5
13	63.31	67.56	14	1.2	3.7
14	67.56	72.10	26	2.3	6.0
15	72.10	76.95	21	1.9	7.9
16	76.95	82.12	52	4.6	12.5
17	82.12	87.64	42	3.7	16.2
18	87.64	93.53	49	4.3	20.5
19	93.53	99.82	68	6.0	26.5
20	99.82	106.5	87	7.7	34.2
21	106.5	113.7	56	4.9	39.1
22	113.7	121.3	85	7.5	46.6
23	121.3	129.5	55	4.9	51.5
24	129.5	138.2	85	7.5	59.0
25	138.2	147.5	73	6.4	65.5
26	147.5	157.4	62	5.5	70.9
27	157.4	168.0	61	5.4	76.3
28	168.0	179.3	49	4.3	80.7
29	179.3	191.3	61	5.4	86.0
30	191.3	204.2	27	2.4	88.4
31	204.2	217.9	37	3.3	91.7
32	217.9	232.6	22	1.9	93.6
33	232.6	248.2	13	1.1	94.8
34	248.2	264.9	12	1.1	95.8
35	264.9	282.7	11	1.0	96.8
36	282.7	301.7	6	.5	97.3
37	301.7	322.0	3	.3	97.6
38	322.0	343.6	8	.7	98.3
39	343.6	366.7	8	.7	99.0
40	366.7	391.3	2	.2	99.2
42	417.6	445.7	2	.2	99.4
43	445.7	475.7	2	.2	99.6
44	475.7	507.7	1	.1	99.6
45	507.7	541.8	1	.1	99.7
46	541.8	578.2	1	.1	99.8
47	578.2	617.1	1	.1	99.9
50	702.8	750.0	1	.1	100.0

--- End of report ---

APPENDIX B

FIELD PERSONNEL STATISTICS

FIELD PERSONNEL

PERSON	COMPANY	FUNCTION	FIELD TIME FROM	TO
B.MacDonald	Ketza Enterprises Ltd.	Linecutting/ geochem. sampling	17 Oct 85	30 Oct 85
G.Johnny	Ketza Enterprises Ltd.	"	"	
L.Ladue	Ketza Enterprises Ltd.	"	"	
P.Etzel	Ketza Enterprises Ltd.	"	"	
W.Hemstock	Hardy Associates (1978) Ltd.	Geophysics	26 Oct 85	8 Nov 85
W.J.Scott	Hardy Associates (1978) Ltd.	"		
K.G.Murphy	Susan A. Scott	Geology	23 Oct 85	28 Oct 85
S.A.Scott	Susan A. Scott	"	23 Oct 85	9 Nov 85

MAN-DAY EXPENDITURES

METHOD	KM	MANDAYS
Linecutting	60.65	
Geochemical soil sampling	55.45	14 (1132 samples)
Magnetometer	55.45	8
Geology		30

APPENDIX C
RESUMES

CURRICULUM VITAE

SUSAN ANNE SCOTT

EDUCATION

B.Sc. (Geology) University of Toronto, 1965
Thesis: A Petrographic Study of the Cargill Lake Carbonatite, Ontario (J. Gittins)

M.Sc. (Geology) McGill University, 1969
Thesis: Trace Element Study of Ore from the Temagami Mine, Ontario (G.R. Webber)

PROFESSIONAL ASSOCIATIONS

1. Prospectors and Developer's Association, Member
2. Geological Association of Canada, Fellow
3. Mineral Deposits Division, GAC, Member
4. Canadian Institute of Mining and Metallurgy, Member
5. Calgary Mineral Exploration Group, Member
6. Association of Exploration Geochemists, Voting Member

RELEVANT EXPERIENCE

February, 1984 - Present

Mineral Exploration Consultant:
Field and Office programs in exploration for gold, uranium and beryl. Field work in geological and geochemical mapping in Ontario and British Columbia.

September, 1982 - February, 1984

Minerals Division, AGIP Canada Ltd.
Office Geologist (Supervisor J.A. Climie, Exploration Manager, Minerals)

Responsible for literature research on uranium projects in Saskatchewan, reconnaissance precious metals ventures and concepts in Yukon, B.C.; compilation of published and unpublished data on specific projects; preparation of data, slides, maps, etc. for management presentations; ordering, processing and distribution of publications and

maps; assisting with writing, editing and production of reports; design and execution of geochemical data handling system for field projects; assisting in field work as required.

January, 1981 - March, 1982

Strategic Minerals Division,
Phillips Petroleum Canada Limited
Calgary, Alberta
Staff Minerals Geologist (Supervisor W.B. Anderson, Exploration Manager)

Prospect evaluation for base and precious metals in B.C., Yukon, Ontario; ordering and processing of publications, maps; in charge of library and technical files; assisted in supervision of uranium joint venture interests, Saskatchewan; field work on uranium project, Baker Lake area, N.W.T.

June, 1979 - June, 1980

Exploration Division, Eldorado Nuclear ltd.
Ottawa, Ontario
Research Geologist (Supervisor Dr. E.E.N. Smith, Senior Geologist, Exploration)

Responsible for library, ordering and distribution of maps and publications; assessment work compilations, Saskatchewan uranium projects; research into uranium environments involving data gathering, compilation, interpretation.

June, 1974 - April, 1979

Lee Geo-Indicators Limited
Stittsville, Ontario
Project Geologist (3 years part-time, 2 years full-time; Supervisor Dr. H.A. Lee, President)

Field work in northern Ontario precious metals projects; writing, editing, production of reports; drafting; compilation of published and assessment reports, engineering geology terrain analysis.

Winter 1970 - 1971

McGill University, Department of Geology
Research Assistant (part-time) to Dr. V.A. Saull.

Summer 1965

Keevil Mining Group, Geophysical Engineering and Surveys Limited
Field Mapping of area around Temagami Mine under T.O.H. Patrick.

Summer 1964	Keevil Mining Group, Geophysical Engineering and Surveys Limited Office Geologist (Toronto) field work, under T.O.H. Patrick and N.B. Keevil, Jr.
Summer 1963	Geological Survey of Canada, Age Determination Laboratory Research Assistant under Dr. R.K. Wanless
Summer 1962	Geophysics Division, University of Toronto Research Assistant under Dr. J. Tuzo Wilson

WILLIAM J. SCOTT

Associate and Chief Geophysicist, Geotechnical Division, Calgary.

EDUCATION

1972 Ph.D (Applied Geophysics). McGill University
Montreal, Quebec

1965 M.A. (Physics), University of Toronto
Toronto, Ontario

1962 B.A. Sc. (Engineering Physics), University of Toronto,
Toronto, Ontario

Specialization: Engineering and mineral exploration geophysics, computer applications, instrumentation in electrical measurements.

PROFESSIONAL AFFILIATIONS:

Professional Geophysicist (Alberta)
Professional Engineer (Alberta, Ontario)
Geological Association of Canada
Society of Exploration Geophysicists
Canadian Society of Exploration Geophysicists
Canadian Geophysical Union

EMPLOYMENT RECORD

1980 - Present	Hardy Associates (1978) Ltd.
1971 - 1980	Geological Survey of Canada
1965 - 1971	McGill University and Loyola of Montreal
1962 - 1965	University of Toronto
1959 - 1965	Huntec Ltd.

PERTINENT EXPERIENCE

1980 - Present Hardy Associates (1978) Ltd.

Geophysicist on exploration programs for base and precious metals. Carried out surveys for bedrock depth determination, granular materials inventory

WILLIAM J. SCOTT - Continued

fracture-system mapping, permafrost mapping, determination of elastic moduli by dynamic measurements, electrical and electromagnetic measurements of resistivity. Responsible for geophysics in multi-disciplinary projects to evaluate fluid impoundment structures, map contaminant plumes and design mitigative measures. Developed computer programs for interactive interpretation of electrical and electromagnetic measurements. Designed and carried out experimental field studies in induced polarization and seismoelectric effects. Responsible for design, development and operation of water-borne Induced Polarization system.

1971 - 1980

Geological Survey of Canada, Resource Geophysics and Geochemistry Division. (Head, Electrical Methods Section 1979-1980).

Research geophysicist for projects involving development of airborne and ground electrical and electromagnetic techniques and their application to problems in mapping permafrost distribution, thickness and ice content. Co-cordinator of geophysics component, AECL/EMR program for geological disposal of high-level radioactive wastes (Radwaste program). Principal Investigator for electrical and electromagnetic techniques in mapping faults and shear zones in Radwaste Program. Cooperated with Geonics Ltd. in design and field testing of EM 16R VLF resistivity unit. Technical Authority for development of Huntec M4 IP receiver under DSS Unsolicited Proposal Program. Led development of water-borne system for electrical resistivity measurement. Trained Brazilian geophysicists in prospecting geophysics in the field in Brazil and in Northern Canada. Taught graduate course in electrical methods at Ecole Polytechnique de Montreal (in French) in 1975-1976.

Field experience included permafrost studies in the Yukon, Mackenzie Valley and Delta, and Arctic Islands. Prospecting geophysical studies in NWT, Saskatchewan, Ontario, Quebec, New Brunswick and Nova Scotia. Combined geological/geophysical mapping programs in Manitoba, Ontario, New Brunswick and Nova Scotia.

WILLIAM J. SCOTT - Continued

1965 - 1971	McGill University, Department of Mining Engineering and Applied Geophysics
	In Ph.D. studies sponsored by G.S.C., developed equipment for and carried out field measurements of complex induced polarization responses of metallic sulphides.
	Designed, built and operated laboratory equipment for scale modelling for geophysical studies in mineral exploration. Taught undergraduate course in exploration geophysics at Loyola of Montreal. Ran geophysical field school for Loyola and McGill, taught field procedures in gravity, magnetic, refraction seismic, electromagnetic and electrical methods.
1962 - 1965 and 1959 - 1965	University of Toronto, Dept. of Physics Huntec Ltd.
	For MA thesis made synthetic sulphide-bearing rocks, built laboratory equipment, and measured non-linear effects associated with Induced Polarization phenomena.
	As operator, party chief and geophysicist for Huntec Ltd., carried out and interpreted geophysical surveys for engineering and mineral prospecting. Experienced in magnetic, gravity, refraction seismic, electrical and EM methods. Field experience in B.C., Yukon, NWT, Alberta, Manitoba, Ontario, Quebec, New Brunswick and Nova Scotia. Responsible in 1965 for major ground geophysical program to follow up airborne survey over 80 x 120 mile concession in Moose River area which resulted in discovery of Consolidated Morrison/Esso niobium-bearing carbonatite.

PUBLICATIONS

Scott, W.J., and West G.F.; Induced polarization of synthetic, high-resistivity rocks containing disseminated sulphides, Geophysics, v. 34, no. 1, pp. 87-100, 1969.

Scott, W.J., and Fraser, D.C.; Drilling of EM anomalies caused by overburden; CIM Bull., v. 66, no. 735, pp. 72-77, 1972.

Kurfurst, P.J., Isaacs, R.M., Hunter, J.A., and Scott, W.J.; Permafrost studies in the Norman Wells region, N.W.T. in Aitken, J.D. and Glass, D.J., Editors. Proc. of Sumposium on Canadian Arctic Geology, GAC, pp. 277-279, 1973.

WILLIAM J. SCOTT - Continued

Williams, D.A., Scott, W.J. and Dyck, A.V.; Cavendish Township geophysical test range, 1973 diamond drilling, Geol. Surv. Can., Paper 74-62, 1974.

Scott, W.J. and Hunter, J.A. Site Investigations: Geophysical Surveys: Sec. 5.4 in National Research Council Canada, Permafrost Engineering Manual, 1974.

Scott, W.J. and Hunter, J.A.; Seismic and electrical methods in permafrost detection, National Reserach Council, Canada, Technical Memorandum #113, p. 48-50, 1975.

Sellman, P.W., McNeill, J.D. and Scott, W.J.; Airborne E-phase resistivity surveys of permafrost. National Research Council, Canada, Technical Memorandum #113, p. 67-72, 1975.

Scott, W.J., Campbell, K.J, and Orange, A.S.; EM pulse survey method in permafrost. National Research Council, Canada, Technical Memorandum #133, p. 92-96, 1975.

Scott, W.J.; Preliminary experiments in marine resistivity near Tuktoyaktuk, District of Mackenzie: Geol. Surv. Can., Paper 75-1A, p. 141-145, 1975.

Scott, W.J.; VLF resistivity (radiohm) survey, Agricola Lake area, District of Mackenzie: Geol. Surv. Can., Paper 75-1A, p. 223-225, 1975.

McLaren, P., Scott, W.J. and Hunter, J.A.; The implications of geophysical studies on the permafrost regime and surficial geology, Melville Island and Byam Channel, N.W.T. Geol. Surv. Can., Paper 75-1B, pp. 39-45, 1975.

Annan, A.P., Davis, J.L. and Scott, W.J.; Impulse radar profiling in permafrost, Geol. Surv. Can., Paper 75-1, pp. 343-351, 1975.

Annan, A.P., Davis, J.L. and Scott, W.J.; Impulse radar wide angle reflection and refraction sounding in permafrost. Geol. Surv. Can., Paper 75-1C, pp. 335-341, 1975.

Hunter, J.A. and Scott, W.J.; Geophysical investigations of ground ice, Tuktoyaktuk Peninsula, N.W.T. Ice, v. 44, p. 7-8, 1974.

Scott, W.J.; Involuted Hill Test Site, Tuktoyaktuk, N.W.T. Ice, v. 46, 1976.

Davis, J. S., Scott, W.J., Morey,R.M. and Annan, A.P.; Impulse radar experiments on permafrost near Tuktoyaktuk, N.W.T. Can. J. Earth Sci, v. 13, n. 11, pp. 1584-1590, 1976.

WILLIAM J. SCOTT - Continued

Scott, W.J. and Hunter, J.A.; Application of geophysical techniques in permafrost regions. Can. J. Earth Sci., v. 14, n. 1, pp. 117-127, 1977.

Scott, W.J. and Mackay, J.R.; Reliability of permafrost thickness determination by DC resistivity soundings. In Nat. Res. Counc. Can. Tech. Mem. 119, p. 25-38, 1977.

Scott, W.J., Sellman, P.V. and Hunter, J.A.; Geophysics in the study of permafrost: in Proc. Third Int. Conf. on Permafrost, v. 2, p. 93-115, 1979.

Scott, W.J.; Results of resistivity studies prior to drainage: part of symposium on lake-drainage experiments in continuous permafrost near Tuktoyaktuk, N.W.T., in Nat. Res. Counc. Can. Tech. Mem. (in press).

Dyck, A.V., Scott, W.J. and Lobach, J.; Waterborne Resistivity/induced polarisation survey of Collins Bay, Wollaston Lake; in Uranium Exploration in Athabasca Basin, Saskatchewan, Canada, ed. E.M. Cameron; Geol. Surv.Can. Paper 82-11 p.281-289, 1983.

Kay A.E., Allison, A.M., Botha, W.J., and Scott, W.J.; Continuous Geophysical Investigation for mapping permafrost distribution, Mackenzie Valley, N.W.T. Canada: in Proc.VI Int.Conf.on Permafrost (in press).

Scott, W.J., Laing, J.S., and Botha, W.J.; Waterborne resistivity/induced polarisation survey in Prudhoe Bay; Proc. K83 Offshore Technology Conference, p.227-230, 1983.

Dence, M.R., and Scott, W.J.: The Use of Geophysics in the Canadian Radioactive Waste Disposal Program, with Examples for the Chalk River Research Area, Vol.6 No.4, Geoscience Canada P.190-194.

D. JOHN BALFOUR

Geophysicist, Geotechnical Division

EDUCATION

1982 B.A.Sc. Geological Engineering (Geophysics Option)
University of British Columbia, Vancouver.

Province of Alberta Blasting Permit

PROFESSIONAL AFFILIATIONS

Member, Association of Professional Engineers of British Columbia.

Member, Society of Exploration Geophysicists.

EMPLOYMENT RECORD

1984 - Present Hardy Associates (1978) Ltd.

1982 - 1984 D.R. Piteau Associates Ltd.

1981 - Summer B.C. Hydro and Power Authority

1980 - Summer Utah Mines Ltd.

PERTINENT EXPERIENCE

Geotechnical engineering responsibilities have included geophysical investigations and soil investigations for a range of projects with emphasis on transportation corridor studies, groundwater pollution detection and monitoring, and aquifer evaluation and dewatering studies.

This work has included field supervisions, engineering, reporting and client liaison. Mr. Balfour holds a seismic and multiple series electric blasting ticket with the Workers Compensation Board of British Columbia, and a blasting permit for the Province of Alberta.

Related experience with computer systems has included Hewlett-Packard desktop computers programmed in BASIC and various mainframe computers operating in the FORTRAN language.

LIST OF RELEVANT WORK EXPERIENCE
GEOPHYSICS

DATE	JOB NAME	DESCRIPTION OF WORK
3/85	Simonette River Pipeline Re-route study, Grande Prairie, Alberta	Ran a refraction seismic survey to map bedrock at a proposed pipeline re-route. Performed data processing and report writing.
1/85-3/85	Syncrude and OSLO Tar Sands Exploration, Fort McMurray, Alberta	Ran 113 km of refraction seismic to map geologic contacts. Assisted with data processing and report writing.
12/84	Nicotta Lake Flood Control Merritt, B.C.	Ran a refraction seismic survey to determine foundation conditions for a small flood control structure.
11/84	Chilliwack Hatchery Chilliwack, B.C.	Ran a gravity survey to delineate the boundaries of a buried valley.
6/84-9/84	Coquihalla Highway Hope to Merritt, B.C.	Ran over 30 lines of refraction seismic for determining bedrock configuration near rock and soil cuts. Interpreted seismograms.
5/84	Quesnel Hatchery Quesnel, B.C.	Assisted with a refraction seismic survey to optimize the location of a large water supply well.
8/83-9/83	Haney Firefighting School Maple Ridge, B.C.	Ran a resistivity profile across a potential groundwater contamination plume to provide baseline groundwater quality data.
11/82	B.C. Railway Anzac Spur Prince George, B.C.	Ran a resistivity survey for grounding design of an electric railway.
6/81	Liard River Damsite Investigation, Fort Nelson, B.C.	Surveyed 13 boreholes with a downhole logging machine. Assisted with interpretation of logs.
7/80-8/80	Bri Coal Property Hudsons Hope, B.C.	Assisted with approximately 35 km of refraction seismic data to facilitate mine planning.

APPENDIX D
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS: SUSAN A. SCOTT

I, Susan A. Scott, of Calgary Alberta, do hereby certify that:

1. I am a Mineral Exploration Consultant with an office at 1950-13 Street S.W., Calgary, Alberta, T2T 3P6.

2. I graduated in Geological Sciences from the University of Toronto in 1965. I obtained an M.Sc. in Geology (Geochemistry) from McGill University in 1969.

3. I have practiced my profession continuously since graduation, with the exception of the period 1971-1974.

4. I am a Fellow of the Geological Association of Canada.

5. I have no interest in Cedarmine Resources Inc. or the Likely property, nor do I expect to receive or acquire any such interest in the future.

6. I supervised the performance of this survey in person.

S.A. Scott, M.Sc., FGAC

STATEMENT OF QUALIFICATIONS: WILLIAM J. SCOTT

I, William J. Scott, of Calgary Alberta, do hereby certify that:

1. I am Chief Geophysicist of Hardy Associates (1978) Ltd., with an office at 221-18 Street S.E., Calgary, Alberta, T2E 6J5.

2. I graduated in Engineering Physics (Geophysics Option) from the University of Toronto in 1962. I obtained an M.A. in Geophysics from the University of Toronto in 1965, and a PhD in Applied Geophysics from McGill University in 1972.

3. I have practiced my profession continuously since graduation, and have been with Hardy Associates since 1980.

4. I am a registered Professional Engineer in Ontario and Alberta, a registered Professional Geophysicist in Alberta, and a Fellow of the Geological Association of Canada.

5. I have no interest in Cedarmine Resources Inc. or the Likely property, nor do I expect to receive or acquire any such interest in the future.

6. I supervised the performance of this survey nightly by telephone and in person by two visits to the field, in the middle and at the end of the survey.

W.J. Scott, Ph.D., P.Eng., P.Geoph., FGAC

APPENDIX D
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS: WILLIAM J. SCOTT

I, William J. Scott, of Calgary Alberta, do hereby certify that:

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2. I graduated in Engineering Physics (Geophysics Option) from the University of Toronto in 1962. I obtained an M.A. in Geophysics from the University of Toronto in 1965, and a PhD in Applied Geophysics from McGill University in 1972.

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4. I am a registered Professional Engineer in Ontario and Alberta, a registered Professional Geophysicist in Alberta, and a Fellow of the Geological Association of Canada.

5. I have no interest in Cedarmine Resources Inc. or the Likely property, nor do I expect to receive or acquire any such interest in the future.

6. I supervised the performance of this survey nightly by telephone and in person by two visits to the field, in the middle and at the end of the survey.

W.J. Scott, Ph.D., P.Eng., P.Geoph., FGAC

STATEMENT OF QUALIFICATIONS: SUSAN A. SCOTT

I, Susan A. Scott, of Calgary Alberta, do hereby certify that:

1. I am a Mineral Exploration Consultant with an office at 1950-13 Street S.W., Calgary, Alberta, T2T 3P6.

2. I graduated in Geological Sciences from the University of Toronto in 1965. I obtained an M.Sc. in Geology (Geochemistry) from McGill University in 1969.

3. I have practiced my profession continuously since graduation, with the exception of the period 1971-1974.

4. I am a Fellow of the Geological Association of Canada.

5. I have no interest in Cedarmine Resources Inc. or the Likely property, nor do I expect to receive or acquire any such interest in the future.

6. I supervised the performance of this survey in person.

S.A. Scott, M.Sc., FGAC

APPENDIX E
GEOPHYSICAL EQUIPMENT

OMNIMAG® PPM-375
Portable/Base Station Magnetometer

EDA

The PPM-375 is the most recent addition to EDA's OMNIMAG series of magnetometers and gradiometers. It combines features of EDA's PPM-350 Total Field Magnetometer and PPM-400 Base Station Magnetometer in one dual-purpose unit. This user oriented approach exemplifies EDA's pioneering efforts in the development of advanced geophysical systems.

This approach is another reason why EDA has shipped more microprocessor-based proton precession ground magnetometers in the highly competitive Canadian market than any other company in recent years.

As a portable field unit . . .

- Faster Surveys
- Simplified Fieldwork
- Highly Repeatable Data
- Easier Data Interpretation
- Computer Compatible

As a base station . . .

- Automatic Diurnal Corrections
- Programmable Base Field
- Automatic Base Field Calculations
- Calculates Differential Field Variations
- Programmable Cycling Interval
- Computer Compatible

OMNIMAG® PPM-375 Portable/Base Station Magnetometer

As a portable field unit...

the PPM-375 OMNIMAG is a portable proton precession survey magnetometer that measures and records in memory the earth's magnetic field at the touch of a key. It identifies and records the location, time of each measurement, computes the statistical error of the reading and records the decay and strength of the signal being measured.

Features

Packaged in a compact, lightweight rugged housing, the PPM-375 provides:

- A visual readout and storage of the following information in an absolutely secure memory that prevents data loss or tampering:
  - total field magnitude
  - time of measurement
  - grid coordinates for every reading
  - direction of travel along grid lines
  - statistical error of the total field reading
  - signal strength and decay measurement
- Users have a choice of three data storage modes:
  - manual record
  - spot record
  - automatic update record
- Each reading is automatically assigned a record number which can also be used to identify readings measured off the grid. This also serves to recall data, simply by entering the record number.
- More than one reading can be taken at one point without updating the current station number.
- Sub-grid coordinates and position update are given, permitting more detailed study within the main grid, without altering main grid data.

Major Benefits

Faster Surveys

Survey productivity is significantly increased with the PPM-375 because:

- a reading can be taken and stored in only 4 seconds
- a second reading is normally not required because the data is so repeatable
- the statistical error is calculated for each reading providing an indication of whether an additional reading may be required.

Using the PPM-375, operators have covered as much as 15km per day in ideal conditions.

Simplified Fieldwork

The PPM-375 solid state memory makes surveys easier to conduct because:

- the need to write down results is eliminated. Time, field reading, grid co-ordinates, etc., are simultaneously stored.
- diurnal corrections can be done automatically with the use of another PPM-375 or PPM-400 to eliminate 2-3 hours of tedious calculations.

Highly Repeatable Data

The PPM-375 provides users with repeatable data that significantly reduces the requirement for multiple station readings. Typical tie-line accuracies of ±0.5 gammas are obtained.

This data quality is due to:

- a patented* Signal Processing Technique
- Constant Energy Polarization that maintains equal energy to the sensor
- processing sensitivity to ±0.02 gamma
- Automatic Fine Tuning which uses the previous reading as the base for the next.

*the signal processing technique utilized in the OMNIMAG series is protected by patents granted in various countries.

Easier Data Interpretation

The PPM-375 makes geophysical interpretation easier because:

- more information such as statistical error, the signal strength and decay rate measurement is displayed and stored with every reading
- line profiles can be obtained immediately with portable field computers such as the HP-85 through available software.

Computer Compatible

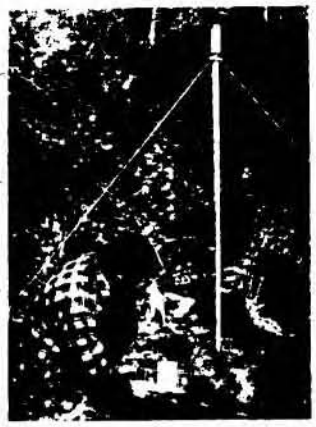
All EDA OMNIMAG systems can be interfaced with many commercial computers which are compatible with RS-232C. This enables the operator to:

- obtain contour or other maps, immediately after the end of survey
- store permanently in the DCU-200 or field computer cassettes the data for further analysis.

Other Benefits

- **Error Analysis**
  This unique feature is a great time saver because the calculation of the statistical error of each reading lets the operator make an on-the-spot decision whether that reading should be stored or not.
- **Higher Gradient Tolerance**
  Higher tolerance to local gradients is possible due to a patented signal processing method and to a miniature sensor design utilizing a highly optimized sensor geometry.
- **Complete Data Protection**
  Field data stored in memory is totally protected for 4 years by the lithium backup battery. This battery also provides power to the real-time clock.
- **Data Recall**
  Daily readings can be recalled either by record number or in sequence.
- **Power Supply Versatility**
  Users can choose from non-magnetic rechargeable sealed lead-acid battery cartridges or belts and disposable "C" cell battery cartridges or belts.
- **Decimal Spacing**
  Intermediate readings can be stored every 12.5 units, while using the usual 25-unit station interval.

As a base station . . .



the PPM-375 OMNIMAG measures and stores in its memory the daily fluctuations of the earth's magnetic field. Used with other OMNIMAG units, the PPM-375 base station corrects automatically, in just a few minutes, total field data for diurnal variations.

Features

The PPM-375 OMNIMAG in the base station mode:

- Automatically corrects magnetic field data for diurnal variations and base field values.
- Records each base station value in the following format:
  - time of measurement
  - magnitude of total field
  - difference from the base field value
  - difference from the previous reading
  - sequential record number
- Stores 2550 sets of readings, the equivalent to 10.6 hours of continuous unattended monitoring at 15-second sample interval.
- Simultaneously outputs data to a choice of data collection units as it is being stored in memory.
- Outputs data in a choice of three (3) formats:
  - corrected total field data
  - uncorrected total field data
  - base station data only

Major Benefits

Automatic Diurnal Corrections

The PPM-375 OMNIMAG Base Station corrects automatically the field data for diurnal variations when used with another PPM-375, with a PPM-350 or with a PPM-500 Vertical Gradiometer. A linear interpolation algorithm is used for corrections.

Programmable Base Field

Once the operator has identified the ideal base field value at the end of the first day, he can reprogram the base field and the PPM-375 will recalculate all stored readings with reference to the new base field.

Automatic Base Field Calculations

The PPM-375 calculates automatically for each reading the difference between the measured earth's field and the base field value previously entered in by the operator.

Calculates Differential Field Variations

The PPM-375 calculates automatically the difference between the current reading and the previous one, to 0.1 gamma.

Programmable Cycling Interval

The operator can have the PPM-375 cycle at any interval, in one second increments, from a minimum of 5 seconds to a maximum of 60 minutes.

Computer Compatible

All EDA OMNIMAG systems can be interfaced with many commercial computers which are compatible with RS-232C.

Other Benefits

- **Stores & Prints Data Simultaneously**
  The PPM-375 can record and print out data simultaneously. Printed data can still be retained in memory.
- **Three Data Output Capabilities**
  Linked with another OMNIMAG the PPM-375 provides a choice of 3 data formats as shown below.
- **Power Supply Flexibility**
  The PPM-375 Base Station can be operated from:
  — a 12 volt DC car battery
  — rechargeable sealed lead-acid battery cartridge or belt
  — disposable "C" cell battery cartridge or belt
- **Versatile Charging Options**
  The sealed lead-acid batteries can be recharged with:
  — a 12 volt DC car battery, through the DCU-400 Thermal Printer, or
  — any other AC power source
- **Expanded Memory Capability**
  The PPM-375 memory capability of 2550 sets of readings can be expanded to 11,475 readings when used with the DCU-200 Digital Magnetic Recorder.
- **Internal Real Time Clock**
  Real time clocks can be synchronized to the nearest second when using the PPM-375 with any other OMNIMAG unit.
- **Environmental Dependability**
  PPM-375 operates in temperature extremes of -40°C to +55°C. At -25°C, a heater is automatically activated to ensure LCD performance.

```
PPM300  #00027 E=75
01 04 15:00:38
OF    #7
15:00:35  57503.4  .10                          #1    00
15:00:42  57506.7  .09                          #2    00
15:00:47  57505.0  .03                          #3    00
                                  G 5400   3250   #4
15:00:51  57501.9  .10    G 5400   3250H   00
15:00:56  57504.1  .02    G 5400   3300H   00
15:01:00  57507.1  .07    G 5400   3350H   00
15:01:05  57511.1  .07    G 5400   3400H   00
15:01:09  57514.9  .09    G 5400   3450H   00
15:01:17  57511.1  .05    G 5400   3500H   00
```

PPM-375 Uncorrected Data

```
PPM300 #00027 E=75
01 04 14:54:14
OF    #2
          57500.0              0       0
15:00:33  57517.8        0.4      17.8      11
15:00:38  57509.4       -8.0       8.6      00
15:00:43  57511.1        1.1      11.7      00
15:00:48  57510.5       -1.2      10.5      00
15:00:53  57518.0        7.5      18.0      01
15:00:58  57525.9        7.9      25.9      02
15:01:03  57514.8      -11.1      14.8      03
15:01:08  57508.4       -6.4       8.4      04
15:01:13  57512.9        4.5      12.9      05
15:01:18  57512.7       -0.2      12.7      06
```

PPM-375 Data in Base Station Mode

```
PPM300  #00027 E=75
01 04 15:00:39
OF    #7
            0.0                   0       0
57514.1     -5.7  .10                      #1    00
57511.7     -5.4  .08                      #2    00
57510.7     -5.1  .03                      #3    00
                                  5400   3250   #4
57515.0    -13.1  .10    5400   3250H   00
57522.7    -13.6  .01    5400   3300H   00
57521.5    -13.4  .07    5400   3350H   00
57512.6     -1.1  .07    5400   3400H   00
57509.7      5.6  .09    5400   3450H   00
57512.7     -1.6  .08    5400   3500H   00
```

Corrected Data Output Format: Corrected total field reading; applied drift direction; statistical error; line & position numbers; recording mode; normalized decay rate and amplitude of sensor signal.

Specifications

Dynamic Range	18,000 to 103,000 gammas
Capture Range	±25% relative to ambient field strength of last stored value
Tuning Method	Tuning value is calculated accurately utilizing a specially developed tuning algorithm.
Display Resolution	0.1 gamma.
Processing Sensitivity	±0.02 gamma.
Mathematical Truncation Error	±0.02 gamma.
Statistical Error Resolution	0.01 gamma.
Absolute Accuracy	±15 ppm at 23°C, 50 ppm over the operating temperature range.
Standard Memory Capacity	2550 data blocks or readings
Display	Custom-designed, ruggedized liquid crystal display with an operating temperature range from -40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.
Gradient Tolerance	5,000 gammas per meter (typical).
Test Mode	A) Diagnostic testing (data and programmable memory) B) Self Test (hardware)
Sensor	Optimized miniature design. Magnetic cleaniness is consistent with the specified absolute accuracy.
Sensor Cable	Remains flexible in temperature range specified; includes strain-relief connector.
Cycling Time (Base Station Mode)	Programmable from 5 seconds up to 60 minutes in 1 second increments
Operating Environmental Range	-40°C to +55°C; 0-100% relative humidity; weatherproof.
Power Supply	Non-magnetic rechargeable sealed lead-acid battery cartridge or belt; or Disposable "C" cell battery cartridge or belt; or 12V DC power source option for base station operation.
Battery Cartridge/Belt Life	2,000 to 5,000 readings, depending upon ambient temperature and rate of readings.
Weight and Dimensions	
Instrument Console only	3.4kg, 238 × 150 × 250mm
Lead-Acid Battery Cartridge	1.9kg, 235 × 105 × 90mm
Sensor	1.2kg, 56mm diameter × 200mm
System Complement	Instrument console; sensor; 3-meter cable, 30-meter cable for base station (for sales only), aluminum sectional sensor staff, power supply, harness assembly, operations manual.

The OMNIMAG PPM-375 interfaces with a variety of data collection units, including . . .

DCU-200 Digital Magnetic Recorder, AC and internal DC operation.

DCU-400 40-Character Thermal Printer, AC and internal/external DC operation.

DCU-040 40-Character Thermal Printer. AC operation only.

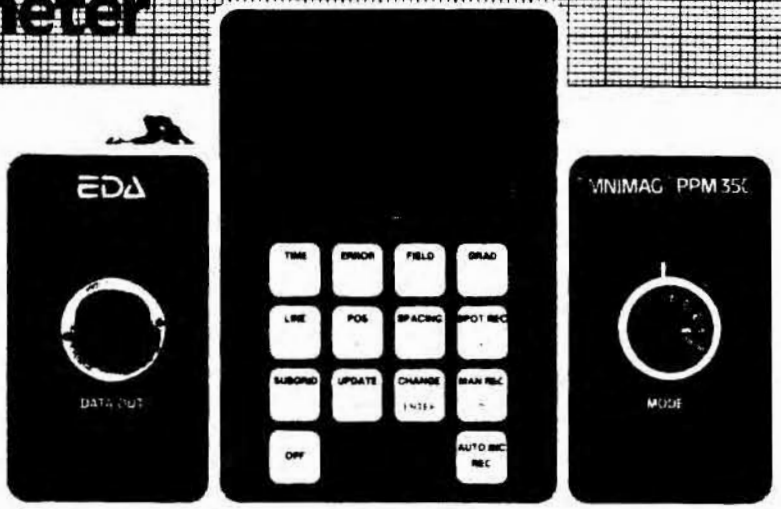
EDA Instruments Inc.
1 Thorncliffe Park Drive
Toronto, Ontario
Canada M4H 1G9
Telex: 06 23222 EDA TOR
Cable: Instruments Toronto
(416) 425-7800

In U.S.A.
EDA Instruments Inc.
5151 Ward Road
Wheat Ridge, Colorado
U.S.A. 80033
Telex: 00 450681 DVR
(303) 422-9112

Printed in Canada

OMNIMAG PPM-350
Total Field Magnetometer

EDA



The PPM-350 is the latest addition to EDA's OMNIMAG*™ series of magnetometers and gradiometers. It is engineered to provide users with the latest state-of-the-art advances in microprocessor technology, including many features that are unique in the field.

Major benefits and features include:

- Significant increase in productivity
- Lowered survey costs
- Automatic diurnal correction
- Programmable grid coordinates
- Highly reproduceable data
- Ergonomic design
- Simplified fieldwork
- Computer-compatible

OMNIMAG PPM-350 Total Field Magnetometer

Description

The EDA OMNIMAG PPM-350 is a high-technology, proton precession total field magnetometer that measures and records the earth's magnetic field at the simple touch of a key. It identifies and records the location, time of each measurement, computes the statistical error, and records the decay and strength of the signal being measured.

The PPM-350 is a microprocessor-based system and employs a memory magnetometer concept pioneered by EDA.

Packaged in a compact, lightweight, rugged housing, the PPM-350 incorporates ergonomic-design features that provide maximum comfort and ease-of-operation in the field. It is used in a chest-mounted mode with a shoulder-harness. It has a large Liquid Crystal Display for easy reading, even in direct sunlight, and its oversized touch-sensitive keyboard permits cold-weather operation without having to remove gloves.

Functions

In a typical field survey operation, the PPM-350 can perform all of the following functions:

- A visual readout and storage of the following information ***in an absolutely secure memory that prevents data loss or tampering:***
  - total magnetic field magnitude
  - time of measurement
  - grid coordinates for every reading
  - statistical error of total field reading
  - signal strength and decay measurement
- Users have a choice of three ***input***, or data storage, modes:
  - manual record
  - spot record
  - automatic update record
- Users also have a choice of three ***output*** modes:
  - to a DCU-200 magnetic cassette recorder
  - to a DCU-040 or DCU-400 thermal printer
  - to any RS-232C-compatible microcomputer
- Each reading is automatically assigned a record number which can also be used to identify locations of measurements taken off the grid. This also serves to recall data, as well, simply by keying in the record number.
- Sub-grid coordinates and position up-date are given, permitting more detailed study within the main grid, without altering main grid data.
- Many readings can be taken at one point to verify a reading, without updating the position.

Features and Benefits

Productivity Up, Costs Down

Users of the OMNIMAG PPM-350 can enjoy increases in survey productivity by as much as 50% because of the solid-state features that are designed into it. This increase in productivity, with resultant lower survey costs, is made possible because it enables the operator to take measurements faster and with greater accuracy than conventional techniques permit. This, in turn, allows the survey operator to spend more time in the field surveying significantly more area than would be otherwise possible.

Automatic Diurnal Correction

Diurnal variations are corrected automatically and in just a few minutes, instead of the two or three hours required in manual operation. The raw total field data collected and stored in the PPM-350 is corrected by the PPM-400 Base Station Magnetometer through a single cable link. Using the linear interpolation method, corrected data is produced faster and more accurately, because the possibility of human error is reduced.

Programmable Grid Coordinates

Measurements are also made faster and more accurately because the location of each reading is taken automatically on an incremental basis, and recorded along with the time of that measurement. An additional benefit of this feature is that it can provide the basis for computer plotting to obtain survey profiles.

Highly Reproduceable Data

The PPM-350 provides users with the highest confidence level in the

ndustry. Its highly reproduceable data is a result of four leading-edge design features that eliminate the need for taking multiple readings:

- An exclusive Signal Processing Technique*
- Constant Energy Polarization that maintains equal energy to the sensor even when the main battery supply decreases
- Sensitivity to ±0.02 gamma that ensures repeatability of readings
- Automatic Fine-Tuning that takes the previous reading as the base for the next

Ergonomic Design

Operator comfort and efficiency were prime considerations in the design of the new PPM-350. It is lightweight and is encased in a rugged housing that permits operation in a wide variety of field conditions. The oversize keyboard enables the operator to take measurements without removing gloves. Large LCD's make reading much easier, even in bright sunlight.

Fieldwork Simplified

Since each reading is automatically stored in a non-volatile memory, the need to make handwritten notebook entries on total field magnitude, time of reading, line and station numbers, etc. is eliminated. This reduces the need for notebook usage by the operator, thereby improving productivity. Also, it allows field surveys to be made under all weather conditions.

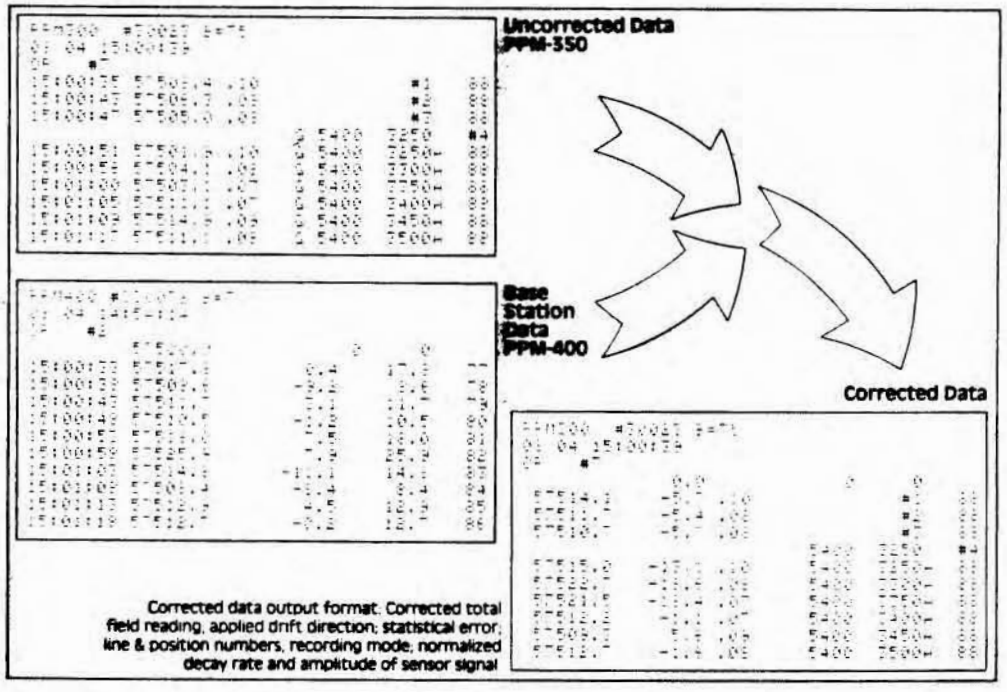
Computer Compatible

All EDA OMNIMAG systems can interface with any computer using RS-232C standard. This enables generation of profiles, contour maps, etc.

*Patent Pending

Other Features

- ***Data Recall.*** Daily readings can be recalled either by record number or in sequence.
- ***Non-Volatile Memory.*** A lithium battery with a life-expectancy of 4 years provides total protection of data stored in memory and of the real-time clock in case the primary battery runs down or is removed.
- ***Environmental Dependability.*** PPM-350 operates in temperature extremes of −35°C to 55°C. At −25°C, a heater automatically activates to ensure LCD performance. Environmental sealing allows operation in very high humidity and in driving rain.
- ***Higher Gradient Tolerance.*** More accurate readings are obtained because the PPM-350's optimized sensor geometry and reduced size result in higher tolerances to local gradients.
- ***Power Supply Versatility.*** Users can choose from a variety of power packages:
  - rechargeable sealed lead acid battery belt or cartridge
  - disposable alkaline "C" cell battery belt or cartridge.
- ***Error Analysis.*** This unique feature is a great time saver because the calculation of the statistical error of each reading lets the operator make an on-the-spot decision whether that reading should be stored or not.
- ***Memory Upgrade.*** The standard memory of 1383 readings is optionally expandable up to 2555 readings.
- ***Decimal Spacing.*** Intermediate readings can be stored every 12.5 units, while using the usual 25-unit station interval.
- ***Internal Real-Time Clock.*** More accurate and reliable measurements can be made and stored because time is taken to the nearest second. Also, the operator need not wear a wrist-watch, which is a common and often overlooked source of magnetic interference.



Corrected data output format. Corrected total field reading, applied drift direction; statistical error; line & position numbers, recording mode, normalized decay rate and amplitude of sensor signal

Specifications

Dynamic Range	18,000 to 93,000 gammas
Sensitivity	±0.02 gamma
Statistical Error Resolution	0.01 gamma
Standard Memory Capacity	1383 data blocks or readings
Absolute Accuracy	±15 ppm at 23°C, 50 ppm over the operating temperature range
Display Resolution	0.1 gamma
Capture Range	±25% relative to ambient field strength of last stored value
Display	Custom-designed, ruggedized liquid crystal display with an operating temperature range from −35°C to +55°C
Gradient Tolerance	5,000 gammas per meter
Sensor	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy
Sensor Cable	Remains flexible in temperature range; includes low strain connector
Operating Environmental Range	−35°C to +55°C; 0–100% relative humidity; weather-proof
Power Supply	Non-magnetic rechargeable sealed lead acid battery cartridge or belt; or, Disposable "C" cell battery cartridge or belt
Battery Cartridge Life	2,000 to 5,000 readings, depending upon ambient temperature and rate of readings
Weight and Dimensions	
Instrument Console only	3.4 kg, 238 x 150 x 250 mm
Lead Acid Battery Cartridge	1.9 kg
Sensor	1.2 kg, 56 mm diameter x 200 mm
System Complement	Electronics console; sensor with 3-meter cable; sensor staff; power supply; harness assembly; operation manual.

EDA is a pioneer in the development of advanced geophysical systems and has created many innovations that increase field productivity and lower survey costs.

EDA's OMNIMAG series consists of the PPM-350 Total Field Magnetometer, PPM-400 Base Station Magnetometer, and the PPM-500 Vertical Gradiometer. Contact us ***now*** for details.

E D A Instruments Inc.
1 Thorncliffe Park Drive
Toronto, Ontario
Canada M4H 1G9
Telex 06 23222 EDA TOR
Cable Instruments Toronto
(416) 425-7800

In U.S.A.
E D A Instruments Inc.
5151 Ward Road
Wheat Ridge, Colorado
U.S.A. 80033
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(303) 422-9112

HARDY ASSOCIATES (1978) LTD.

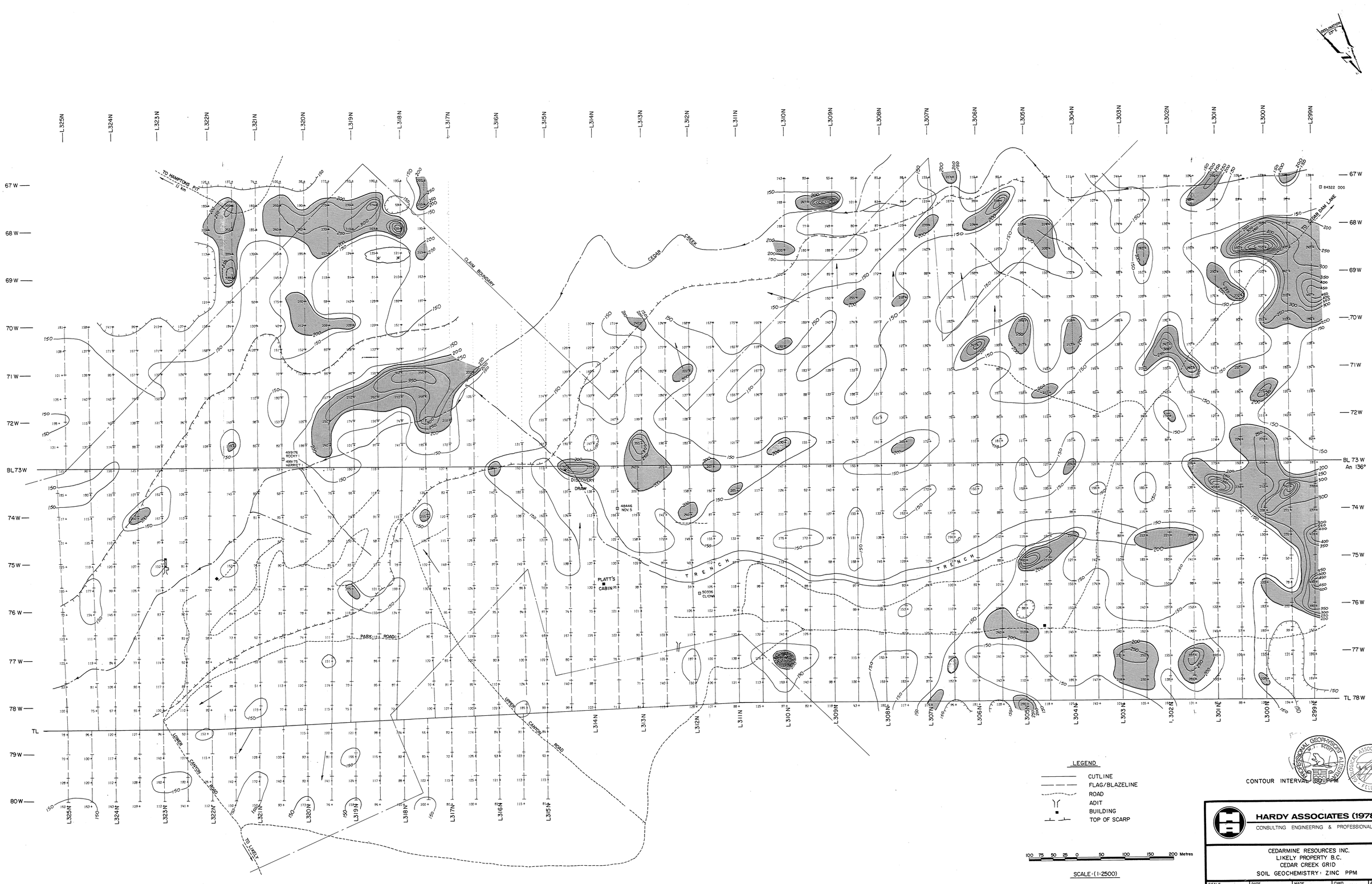
CONSULTING ENGINEERING & PROFESSIONAL SERVICES

CEDARMINE RESOURCES INC.
LIKELY PROPERTY B.C.
CEDAR CREEK GRID
TOTAL MAGNETIC FIELD (nT)

SCALE	DATE	MADE	CHKD	APPD
1:2500	JAN./86	B.V.	Y.K.	W.J.S./S.A.S.

No. CG12080 PLATE 3

15,133



HARDY ASSOCIATES (1978) LTD.
CONSULTING ENGINEERING & PROFESSIONAL SERVICES

CEDARMINE RESOURCES INC.
LIKELY PROPERTY B.C.
CEDAR CREEK GRID
SOIL GEOCHEMISTRY - ZINC PPM

SCALE	DATE	MADE	CHKD	APPD
1:2500	JAN./86	B.V.	Y.K.	W.I.S./S.A.S.

No. CG12080 PLATE 2d

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,133

DECLINATION 29° E

L325N L324N L323N L322N L321N L320N L319N L318N L317N L316N L315N L314N L313N L312N L311N L310N L309N L308N L307N L306N L305N L304N L303N L302N L301N L300N L299N

67 W 68 W 69 W 70 W 71 W 72W BL 73W 74W 75W 76 W 77 W 78 W TL 79W 80W

TO HAMPTONS PIT 1.0 km

CLAIM BOUNDARY

CEDAR CREEK

TO CEDAR DAM LAKE

84322 DDG

499172 ROCKY 1

499175 HARRIET 1

DISCOVERY DRAW

48646 NOV 5

50336 CLOWN

PLATT'S CABIN

TRENCH

TRENCH

PARK 73 ROAD

UPPER CANYON ROAD

LOWER CANYON ROAD

TO LIKELY

67 W 68 W 69 W 70 W 71 W 72W BL 73 W An 136° 74 W 75 W 76 W 77 W TL 78 W

L325N L324N L323N L322N L321N L320N L319N L318N L317N L316N L315N L314N L313N L312N L311N L310N L309N L308N L307N L306N L305N L304N L303N L302N L301N L300N L299N

LEGEND

- CUTLINE
- FLAG/BLAZELINE
- ROAD
- ADIT
- BUILDING
- TOP OF SCARP

100 75 50 25 0 50 100 150 200 Metres

SCALE - (1:2500)

CONTOUR INTERVAL 100 PPM

BRITISH COLUMBIA GEOPHYSICAL SOCIETY — CANADIAN GEOPHYSICAL ASSOCIATION OF B.C. — FELLOW — MEMBER

HARDY ASSOCIATES (1978) LTD.
CONSULTING ENGINEERING & PROFESSIONAL SERVICES

CEDARMINE RESOURCES INC.
LIKELY PROPERTY B.C.
CEDAR CREEK GRID
SOIL GEOCHEMISTRY : COPPER (PPM)

SCALE	DATE	MADE	CHKD	APPD
1:2500	JAN./86	B.V.	Y.K.	W.J.S./S.A.S.

No. CG12080 PLATE 2c

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,133

L325N L324N L323N L322N L321N L320N L319N L318N L317N L316N L315N L314N L313N L312N L311N L310N L309N L308N L307N L306N L305N L304N L303N L302N L301N L300N L299N

67 W — 68 W — 69 W — 70 W — 71 W — 72W — BL 73W — 74W — 75W — 76 W — 77 W — 78 W — TL — 79W — 80W

TO HAMPTONS PIT 11 km

CLAIM BOUNDARY

CEDAR CREEK

TO CEDAR CLAIM LINE

84322 DOG

DISCOVERY DRAW

48446 NOV 5

PLATT'S CABIN

50336 CLIONA

TRENCH

PARK ROAD

UPPER CANYON ROAD

LOWER CANYON ROAD

TO LIKELY

LEGEND

- CUTLINE
- FLAG/BLAZELINE
- ROAD
- ADIT
- BUILDING
- TOP OF SCARP

100 75 50 25 0 50 100 150 200 Metres

SCALE 1:(1:2500)

CONTOUR INTERVAL OF 100 PPB (above 300PPB)

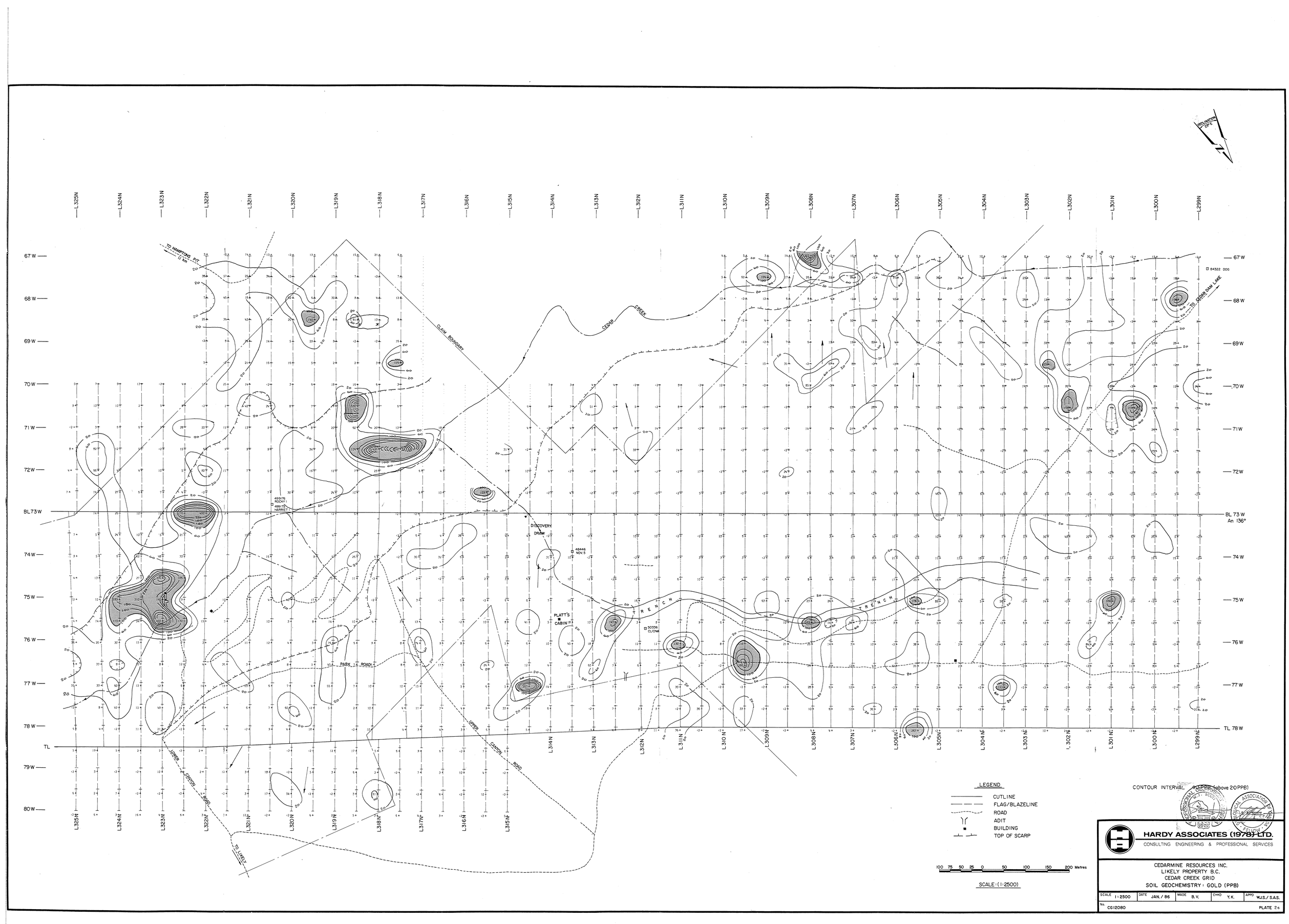
HARDY ASSOCIATES (1978) LTD.
CONSULTING ENGINEERING & PROFESSIONAL SERVICES

CEDARMINE RESOURCES INC.
LIKELY PROPERTY B.C.
CEDAR CREEK GRID
SOIL GEOCHEMISTRY : SILVER (PPB)

SCALE 1:2500	DATE JAN./86	MADE B.V.	CHKD Y.K.	APPD W.J.S./S.A.S.
No. CG12080				PLATE 2b

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,133



HARDY ASSOCIATES (1978) LTD.
CONSULTING ENGINEERING & PROFESSIONAL SERVICES

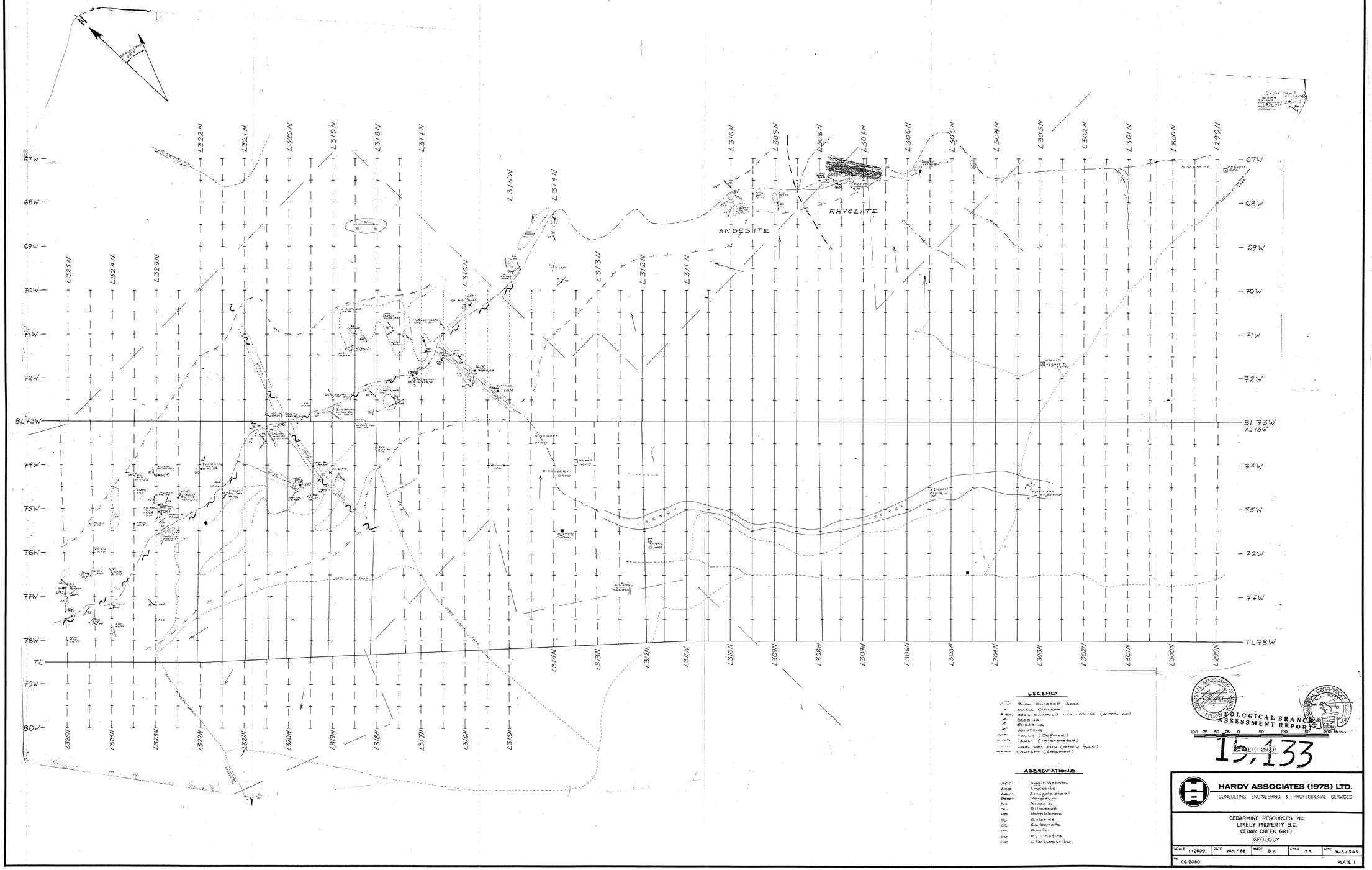
CEDARMINE RESOURCES INC.
LIKELY PROPERTY B.C.
CEDAR CREEK GRID
SOIL GEOCHEMISTRY : GOLD (PPB)

SCALE	DATE	MADE	CHKD	APPD
1:2500	JAN./86	B.V.	Y.K.	W.J.S./S.A.S.

No. CG12080 PLATE 2c

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,133



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,133

HARDY ASSOCIATES (1978) LTD.
CONSULTING ENGINEERING & PROFESSIONAL SERVICES

CEDARMINE RESOURCES INC.
LIKELY PROPERTY B.C.
CEDAR CREEK GRID
GEOLOGY

SCALE	DATE	MADE	CHKD	APPD
1:2500	JAN./86	B.V.	Y.K.	W.J.S./S.A.S.

No. C012080 PLATE I