

81-1174-9944

GEOLOGICAL, GEOCHEMICAL,
AND
GEOPHYSICAL REPORT

QCM 1 - 5 MINERAL CLAIMS
LAT 55°41' North; LONG 124°35' West
N.T.S. 93-N-10
OMINECA MINING DIVISION
BRITISH COLUMBIA

for
GOLDEN RULE RESOURCES LTD.
Calgary, Alberta

by
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TAIGA CONSULTANTS LTD.

Calgary, Alberta
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

9,944

November 1981

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CERTIFICATE

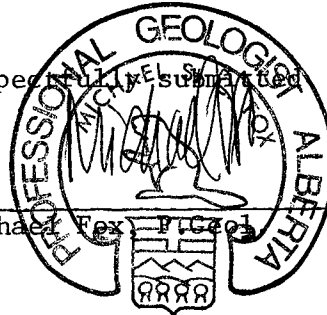
I, the undersigned, of the City of Calgary in the Province of Alberta, do hereby certify that:

1. I am a Consulting Geologist with an office at #100, 1300 - 8th St. S.W., Calgary, Alberta;
2. I am a graduate of the University of British Columbia with a B.Sc. in Geology (1974);
3. I have worked in the field of mineral exploration since 1965;
4. I am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

November 1981

Respectfully submitted

Michael Fox P16403



SUMMARY

During the period May 17-24, 1981, an eight-man field crew blazed and chained approximately 31.3 km of grid lines on the QCM claim group. Geological mapping, geochemical sampling, ground magnetic surveying, and ground VLF-EM surveying were carried out over various portions of the grid area. Approximately 200m of bulldozer trenching was surveyed, mapped, and sampled at the Flagstaff-Motherlode showing.

A total of 713 soil samples were geochemically analyzed for Cu, Pb, Zn, Ag, Ni, Fe %, As, and Sb by ICP analysis and by standard atomic absorption for Au. A total of 41 rock samples were analyzed for Au by combined fire assay and atomic absorption techniques.

INTROUDCTION

Location and Access

The QCM 1 - 5 mineral claims are a contiguous block of claims, totalling 88 units, situated in the Manson Creek-Germansen River placer gold district, approximately 240 km northwest of Prince George, B.C. (Figure 1). The approximate geographic coordinates of the claim group are Lat. 55°41' North and Long. 124°35' West (Figure 2).

The claims are accessible by gravel road from Ft. St. James, 226 km by road to the south. Alternate road access is provided by a network of good logging roads which connect the Manson Creek area with the town of McKenzie, approximately 160 km by road to the east. The logging roads join the Hart Highway (B.C. Highway 97) approximately 160 km north of Prince George and 30 km south of the town of McKenzie.

Property and Ownership

The QCM claims are located in the Omineca Mining Division and are entirely owned by Golden Rule Resources Ltd. of Calgary, Alberta. The claims are described more specifically as follows:

<u>Claim Name</u>	<u>Units</u>	<u>Record Number</u>	<u>Date of Record</u>
QCM 1	20	3435	December 4, 1980
QCM 2	20	3436	December 4, 1980
QCM 3	20	3437	December 4, 1980
QCM 4	20	3438	December 4, 1980
QCM 5	8	3439	December 4, 1980

History

Placer gold was discovered on Germansen River in 1870 and on Manson River and its tributaries in the following year. Since then, production has been almost continuous from the Germansen River area, and some 24,138

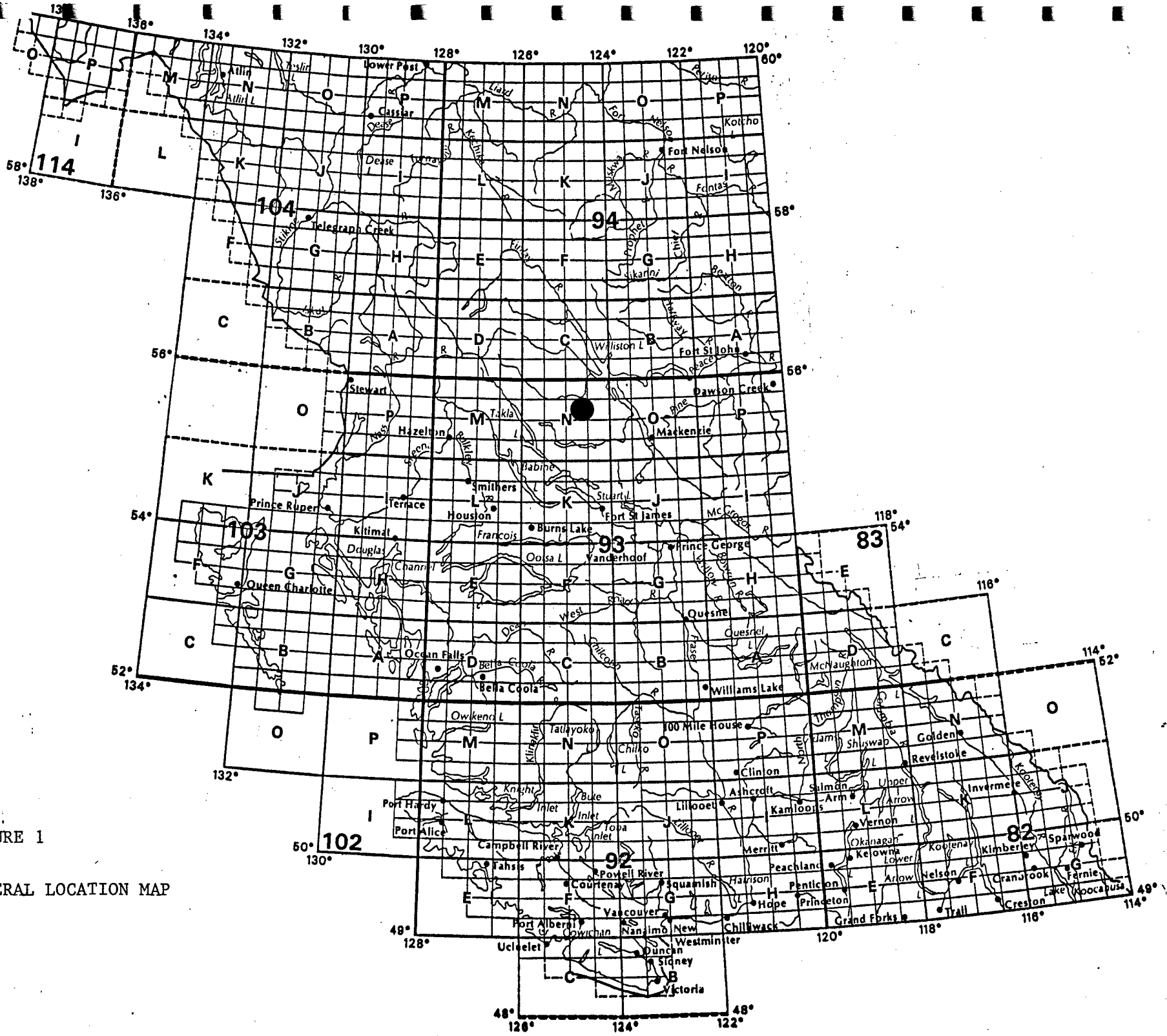


FIGURE 1

GENERAL LOCATION MAP

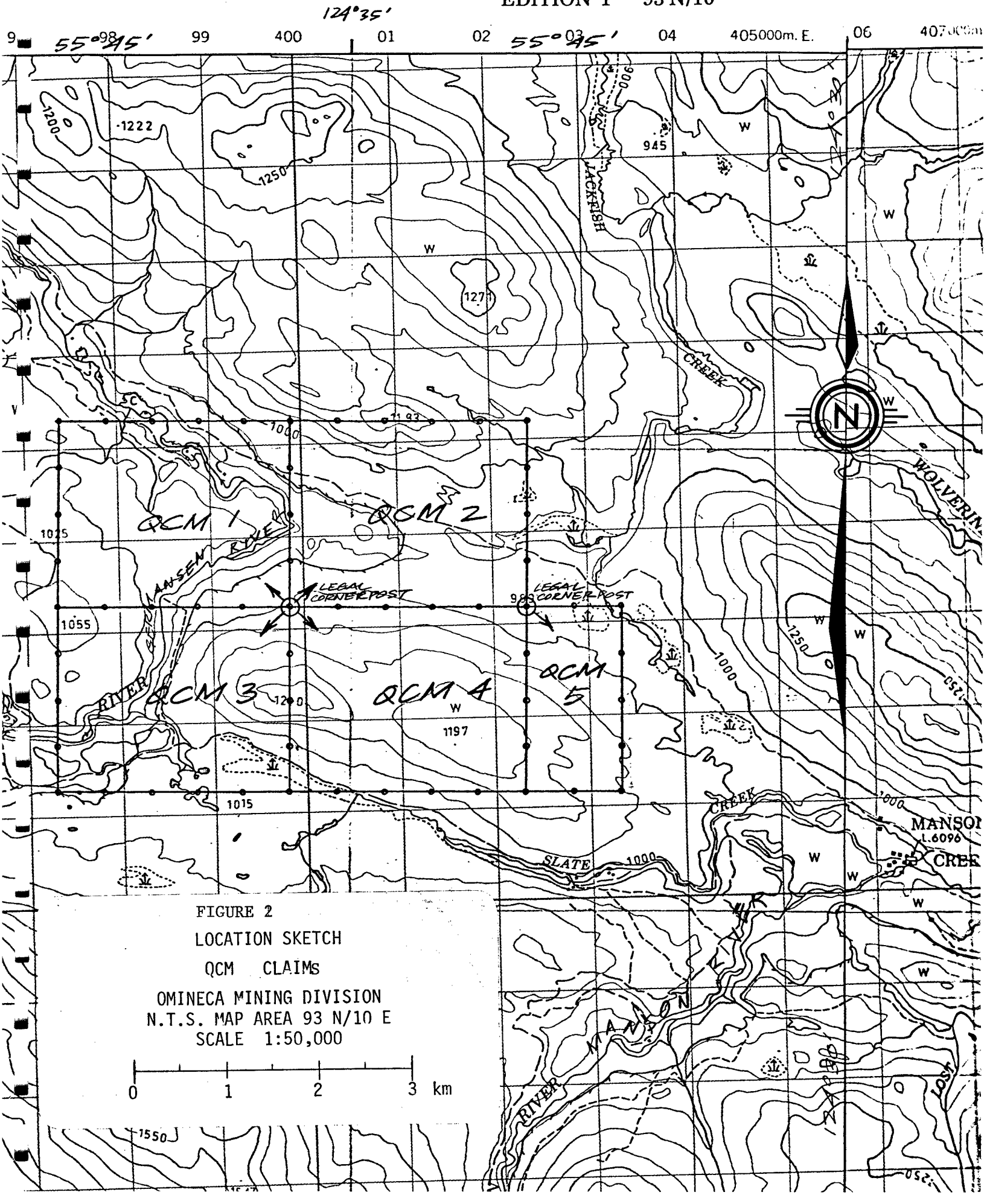
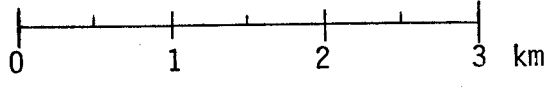


FIGURE 2
 LOCATION SKETCH
 QCM CLAIMS
 OMINECA MINING DIVISION
 N.T.S. MAP AREA 93 N/10 E
 SCALE 1:50,000



ounces of gold had been produced up to 1949. In the early decades of this century, a number of companies invested considerable sums of money in construction of ditches, roads, and flumes in attempts to conduct large-scale placer mining. These efforts met with varying degrees of success. In 1929, the Consolidated Mining and Smelting Co. of Canada Ltd. (now COMINCO) acquired a number of leases along Slate Creek (a tributary of Manson River) and carried out testing and placer mining until 1943. Total recorded production from Slate Creek to 1949 was 4,776 oz. of gold. The alluvial deposits along Manson River and several other tributary streams were also worked intermittently. Total recorded production from these streams to 1949 was 8,039 oz. of placer gold. Thus, to 1949, the total dollar value of placer gold production at current prices (\$516 Canadian) was approximately \$19,000,000. Needless to say, current high prices for precious metals have sparked a renewal of interest in the placer potential of the camp.

Intensive prospecting of the Manson River-Germansen River placer camp eventually led to the discovery of a number of lode Au-Ag occurrences. One of these, the Flagstaff-Motherlode occurrence, lies within the boundaries of the QCM claims and is described in detail elsewhere in this report. Several other similar occurrences (Farrell, Fairview) also occur in the belt and have been described previously (see earlier exploration reports by this writer on the Opec and Flume claim groups). Their relation to placer gold is problematical.

Physiography and Glaciation

The claims are situated within the Omineca Mountains subdivision of the Interior Plateau. Topographic relief is subdued and ranges from 925± M to 1200± m within the claim boundaries. The Germansen River flows north-eastwards across the west side of the claim group and has incised a 150m deep canyon along most of its length here. The southern part of the claim group is characterized by two prominent hills having relatively gently sloping, heavily wooded flanks, steepening to occasionally rugged ridge crests. The topography was modified by eastwards and southeastwards moving

ice sheets during the last period of glaciation. Overburden cover is extensive, although not deep, and the character of the surficial deposits changes rapidly over short distances.

1981 Exploration

Work carried out in 1981 on the QCM claims included grid-controlled geological mapping at a scale of 1:5000, grid-controlled geochemical sampling, ground VLF-EM and ground magnetic surveying, all performed during the period May 17-24, 1981. A total of 713 soil samples were collected at 25m intervals from approximately 31.3 line km of grid lines. Samples were collected at predetermined intervals along the lines to test new areas and to substantiate anomalous Au, Ag, Cu, and Zn-in-soils trends reported in previous assessment reports (see B.C. Assessment Report 4245). Only partial geological and geophysical coverage was obtained over the grid. The above work is distributed over the QCM 1, 2, 3, 4, and 5 claims (Figure 3).

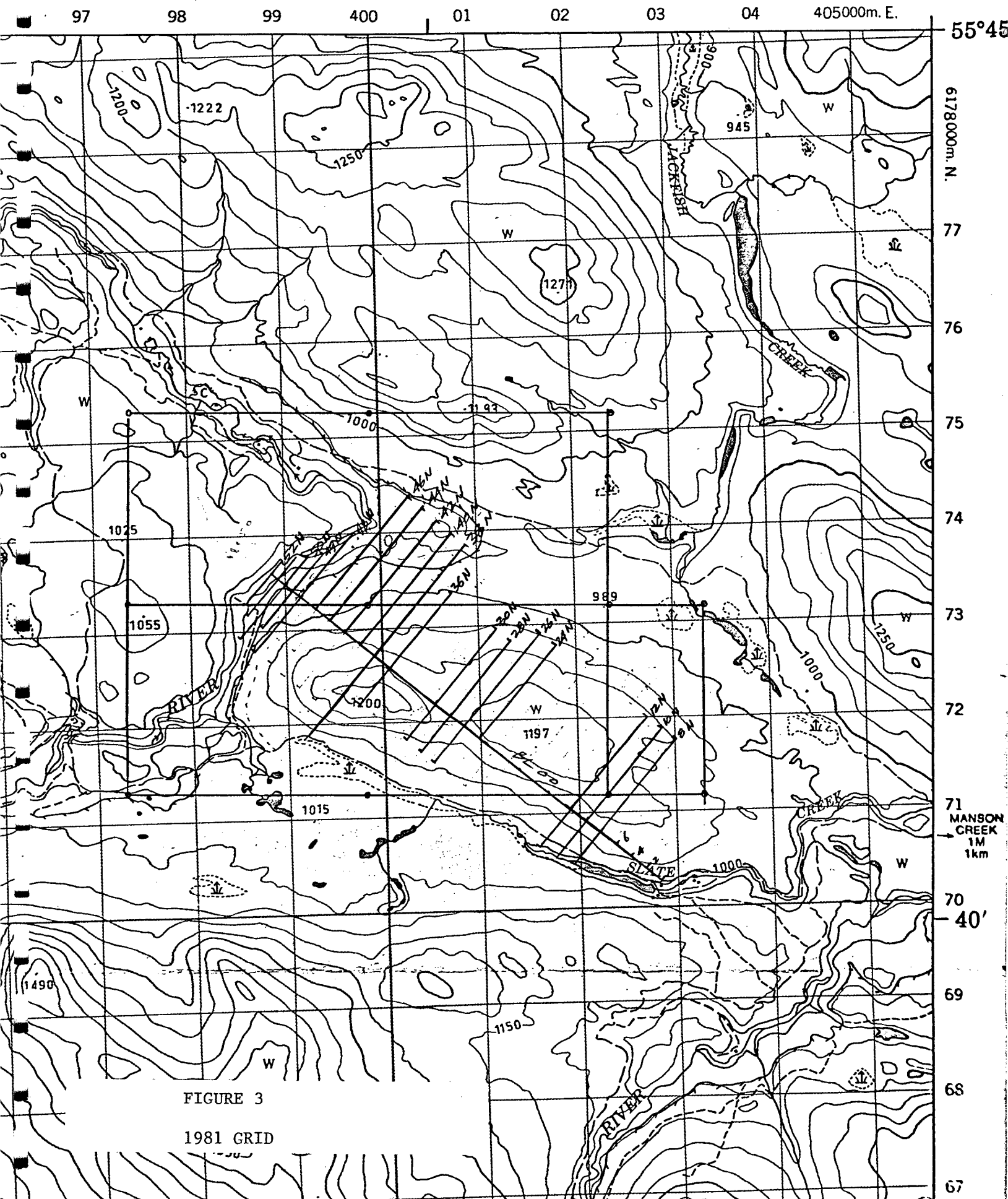


FIGURE 3

1981 GRID

GEOLOGY

Regional Geology

The Manson Creek-Germansen River gold-producing belt occurs within an assemblage of ultramafic rocks (dunite, peridotite, and serpentized equivalents), mafic to intermediate volcanics metamorphosed to greenstones, and metamorphosed fine-grained clastic and chemical sediments, including argillite, slate, chert, and limestone (Figure 4). The sedimentary rocks indicate a deep marine depositional environment, and recently done whole rock analyses of the volcanic rocks suggest compositions similar to those of oceanic basalts.

This assemblage of rocks is compositionally similar to the Cache Creek Group rocks with which they were correlated when the area was first mapped regionally, but fundamental differences in age and stratigraphy have been elucidated by more recent work, and they are now referred to as the Nina Creek Group.

In the Manson Creek and Germansen River areas, Nina Creek Group rocks are cut by major faults that strike transversely and subparallel to the belt and the steeply dipping rocks within it. From place to place, these "faults" are marked by zones of intense quartz-carbonate alteration, sometimes several hundred metres in width. Alteration zone assemblages include ankerite, chlorite, calcite, quartz, pyrite, and mariposite. Major alteration zones transect the QCM claims and exhibit concordant contact relationships with the enclosing sedimentary and volcanic rocks.

Property Geology

(a) Lithologies. Geological mapping was carried out over the north end of the 1981 grid area. The results of this work are plotted at a scale of 1:5000 on a map included with this report. Bedrock exposures are scarce, constituting an estimated 1-2% of the property area. Although overburden depths are not great, a relatively thin, evenly distributed

LEGEND

- CENOZOIC**
 - TERTIARY (?)**
 - Trachytic and andesitic flows, dykes and sills
 - JURASSIC OR LATER**
 - Syenite
- MESOZOIC**
 - UPPER JURASSIC OR LOWER CRETACEOUS**
OMINECA INTRUSIONS
 - Granodiorite, quartz diorite, diorite, and granite
 - TRIASSIC AND JURASSIC**
UPPER TRIASSIC AND LATER
TAKLA GROUP
 - Andesitic and basaltic flows, tuffs, breccias and agglomerates; minor argillite and conglomerate
- PALAEZOIC**
 - CARBONIFEROUS AND LATER**
PENNSYLVANIAN AND PERMIAN
CACHE CREEK GROUP
 - Greenstone (andesitic flows and tuffs); minor argillite, chert, limestone, and serpentine. In part older than 1 and 2
 - Argillite, slate; minor greenstone, chert, and limestone. In part older than 1
 - Massive limestone; minor argillite, slate, chert, and greenstone
 - Altered diorite
 - WOLVERINE COMPLEX**
 - Micaceous, chloritic, and garnetiferous schists; quartzite, limestone; minor granitic gneiss and pegmatite
 - Granitoid gneiss, quartzite, pegmatite; minor schists

- PROSPECTS**
- Nina Copper Showing 1
 - Farrell Group 2
 - Flagstaff and Mother Lode 3
 - Black Hawk Group 5
 - Berthold Property 6
 - Blackburn Property 7
 - Kohse Copper Property 8
 - Chuchi Tunasten Showing 9



FIGURE 4
REGIONAL GEOLOGY
SCALE 1":4 miles

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MAP 876A
MANSON CREEK
CASSIAR DISTRICT
BRITISH COLUMBIA

Scale, 253176 or 1 Inch to 4 Miles
Miles

Approximate magnetic declination, 30° East.

Joins Map 844A, 'Takla'

mantle of glacial material effectively conceals bedrock in topographically subdued areas of the claims. Brief descriptions of map units are included below. (No relative ages are implied by the order of descriptions.)

Ultramafic rocks. This map unit includes dunite, peridotite, and serpentized and steatitized equivalents. Magnetite occurs as an accessory mineral in the dunite. For the most part, outcrops are too sporadic to delineate the extent of the various ultramafic rock types, and they have been arbitrarily mapped as a single unit. Ultramafic rocks are exposed on the west side of the claims and none are known to underlie the 1981 grid area.

Carbonate alteration zones. Those zones mapped on the grid consist of assemblages of quartz, ankeritic carbonate, mariposite, and pyrite in varying percentages. The very thick quartz-carbonate unit adjacent to the Flagstaff-Motherlode prospect contains only minor mariposite and mariposite is absent in the several "greenstone-hosted" quartz-carbonate units elsewhere on the grid. Textures range from an "ankerite porphyry" containing coarse-grained euhedral brown ankerite crystals in a leucocratic felsic groundmass to aphanitic, buff-colored quartz-carbonate assemblages.

Graphitic schist. This unit consists of dark grey to black rusty weathering, thinly laminated schist with lustrous, highly graphitic partings. Small-scale crenulations occur along the strike of the bedding planes. Minor, very tough, dark-colored siliceous or cherty zones occur within the schists. Adjacent to contacts with quartz-carbonate units, the schists grade into an unusual spotted ankerite-graphite schist in which brown ankerite crystals are developed on the planes of foliation. This rock type grades into a leucocratic ankerite-sericite schist within a few metres of the contact.

Greenstones. Greenstones consist of massive, dark green flows in which hornblende microphenocrysts are occasionally visible. Although recrystallization is extensive, textures in a number of outcrops

suggest that fine-grained volcanoclastic units are present in the section. To date, no attempt has been made to break the greenstone formations down into constituent units.

(b) Structure. The Nina Creek Group sedimentary rocks in the Manson Creek-Germansen River area exhibit a regional strike varying from 100° to 120° Az. Dips are more variable, ranging from 45° to vertical. Magnetic patterns and the outcrop distribution of ultramafic and mafic igneous rocks imply a regional concordance with the sediments. A number of northerly trending faults can be inferred from magnetic patterns and apparent offsets of the mapped units. Carbonate veins in the shales and argillites parallel the inferred strike direction of these faults. So far, mapping has not defined any obvious folds, although the presence of tight, isoclinal folding is considered highly probable.

At the QCM claims, foliations in the greenstones and quartz-carbonate zones range from 096/70S through 123/74SW to 150/56SW.

ECONOMIC GEOLOGY

Quartz veins, stringers, and stockworks occur at many locations along the Manson Creek "fault" zone and subsidiary related structures. Some zones are mineralized with free gold and sulphides, and contain values in gold, silver, lead, and zinc. Random samples from massive carbonate alteration zones along the Manson fault have assayed from a trace to 0.01 oz/ton Au and 0.03 to 0.69 oz/ton Ag (Armstrong, 1965, p.130). The various vein occurrences may be classified into deposits containing tetrahedrite, deposits containing sphalerite and galena, and deposits containing galena and pyrite. Tetrahedrite type deposits contain tetrahedrite, chalcopyrite, pyrite, malachite, azurite, and free gold. The major known occurrences of this type include the Farrell (Flume claims), Fairview (Opec claims), and the Flagstaff-Motherlode (QCM claims). The latter deposit is located at the north end of the QCM 1981 grid area and is described in more detail below.

Flagstaff-Motherlode

Earlier workers described the Flagstaff-Motherlode showing as a series of gold-bearing quartz veins occurring in two zones of carbonatized, silicified argillite. The veins were described as striking N35E, varying from 2'-5' in width, and having a maximum strike length of about 35 feet. They cut almost perpendicularly across the bedding of the argillite, which strikes N55W, and dips steeply southwest (Figure 5).

A series of bulldozer trenches have been cut in the more northerly of the two zones on the south side of Germansen River. These were mapped and sampled during the 1981 program. Here, the mineralized zone occurs adjacent to a thick northwesterly striking, northeasterly dipping (303/48E) quartz vein developed at the sheared contact of black graphitic schist and a thick quartz-carbonate unit. The trenches are poorly situated to test this structure, as the best exposures of the vein zone are in a trench that was cut subparallel to the contact. Highly anomalous gold-in-rock values

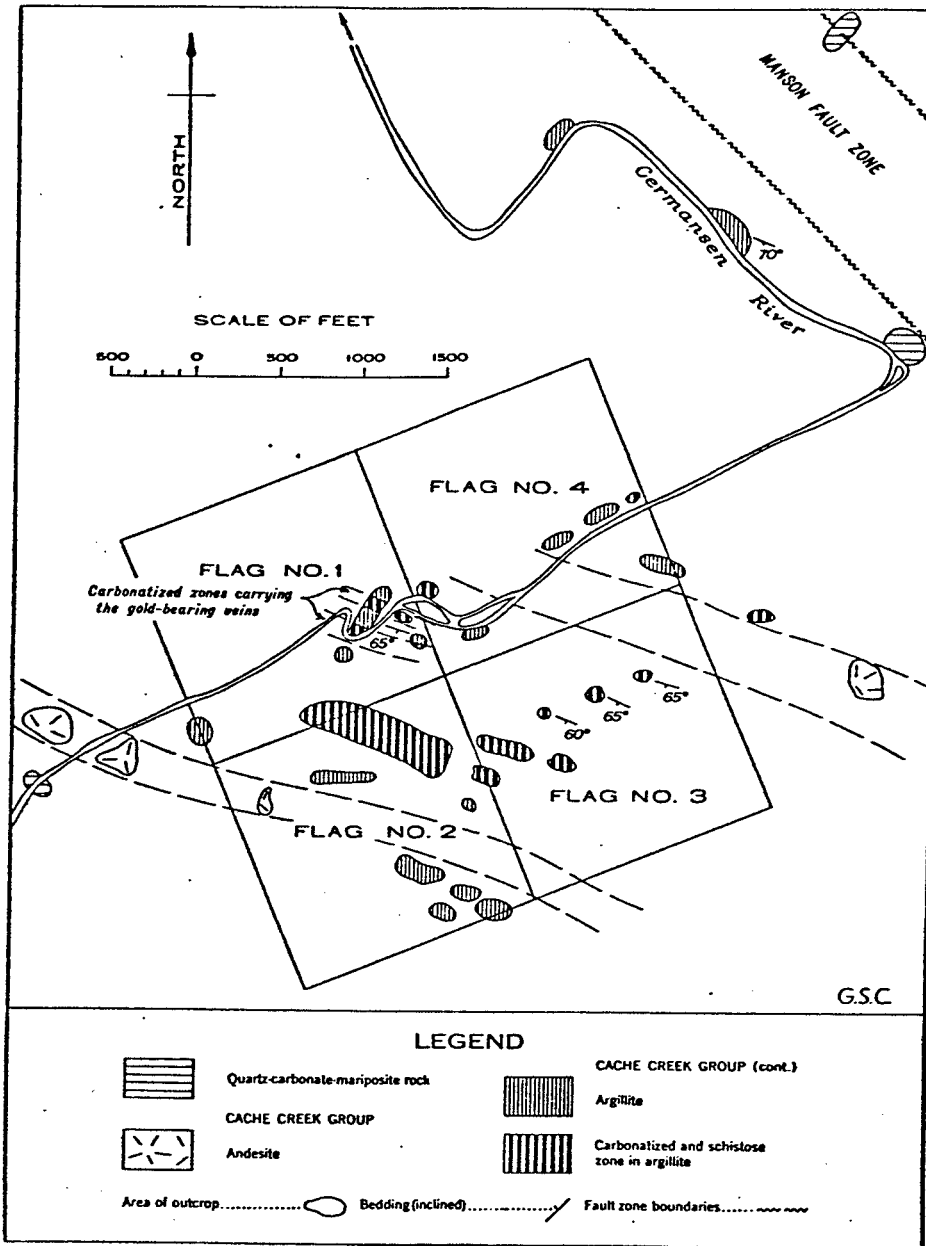


Figure 15. Geological plan of the Flag group.

FIGURE 5

ranging from 150 to 740 ppb occur in the quartz-carbonate-pyrite hanging wall over a 32m long zone. No significant values occurred in any of the samples of the quartz vein along strike. The total width of the zone is not known due to the acute angle of intersection of the zone with the trench walls and the absence of a completely exposed section across strike. However, the values obtained to date occur across an estimated true thickness of 6m in the hanging wall. Intermittent exposures along the trenches indicate that there are two or three different, subparallel shears, separated by septa of black graphitic schist across a zone about 30m wide. The leucocratic, rusty-weathering, oxidized shear zones contain many small quartz veins 3" to 6" in width, which occur as tension sets. The predominant attitude of shearing is 303/74SW (see 1:1000 Geology Map: Flagstaff-Motherlode Trenches, in back pocket).

GEOPHYSICS

Ground Magnetic Survey

Regional aeromagnetic features are shown in Figure 6. Approximately 13.3 line km of ground magnetic surveying were carried out over the QCM grid. Line spacings were 100m and 200m with readings taken at 25m intervals utilizing a Scintrex MP-2 proton precession magnetometer. Magnetic control was provided by a Scintrex MBS-2 base station recorder. Corrections to field data are considered to be accurate to ± 2 nanoTeslas.

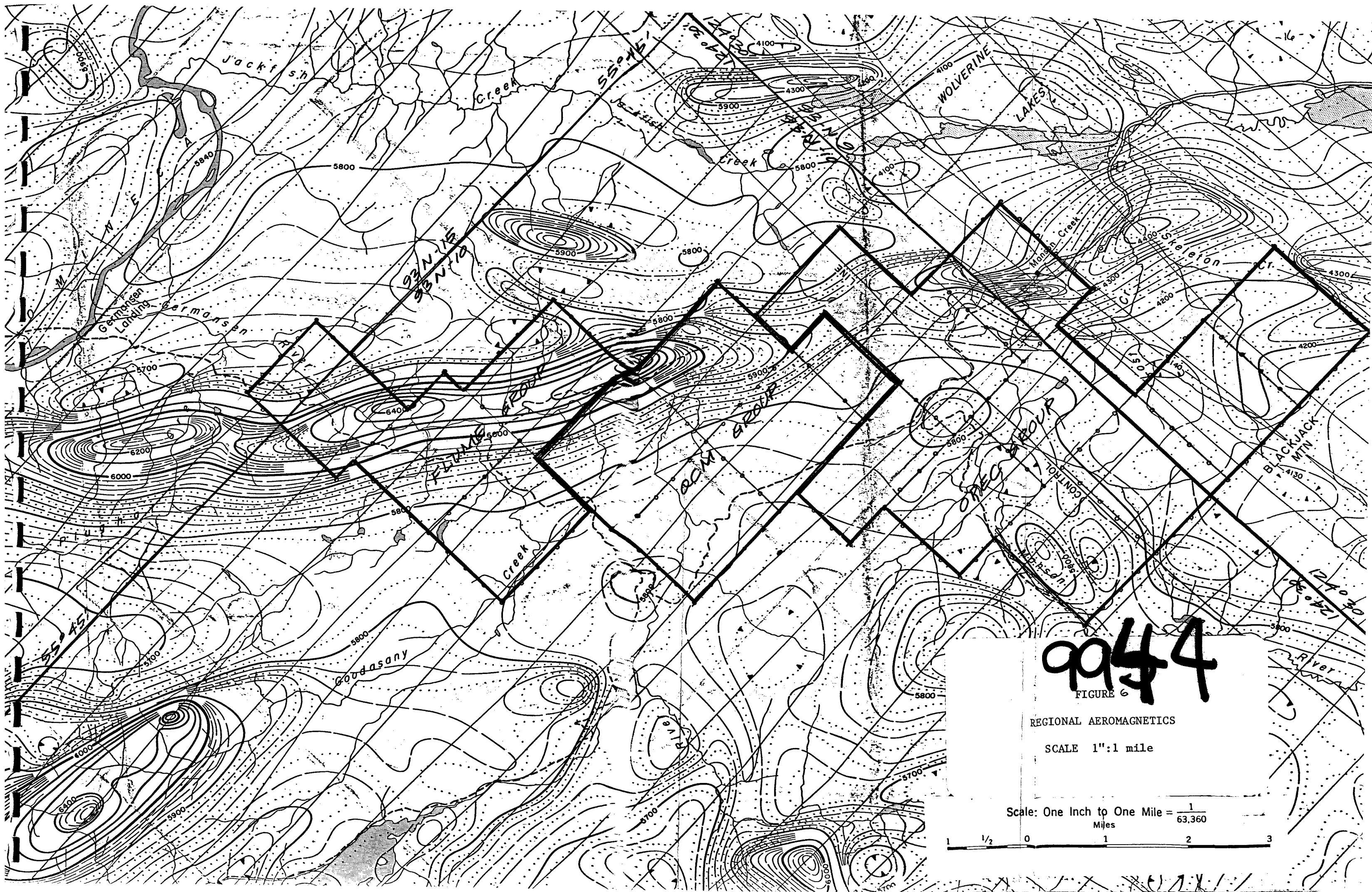
The results of the 1981 ground survey are shown on a map included with this report. Most of the grid area is characterized by subtle magnetic trends that follow the regional strike and probably indicate subtle changes of composition across the geologic section. However, there is insufficient geologic control to relate these effects to specific strata. The gradual increase in magnetic background in the northeastern part of the surveyed area is attributed to the presence, at depth, of a large, southwesterly dipping ultramafic body that outcrops a few hundred metres to the northeast of the grid area.

Ground VLF-EM Survey

Approximately 5.1 line km of ground VLF-EM surveying were carried out over the QCM grid at nominal line spacings of 100m with readings taken at 25m intervals. The instrument used was a Geonics EM-16 VLF-EM unit. The transmitter used was Seattle (18.6 kHz); direction to the transmitter was determined to be 175° . The cross lines were traversed in an easterly direction.

In-phase and quadrature readings were taken. The raw data and the Fraser filtered data are presented on maps accompanying this report.

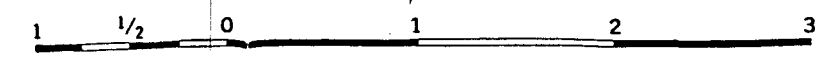
Four moderately to strongly conductive, northwesterly trending zones, open in both directions along strike, are evident from the EM data. The most northeasterly of these coincides with the trenched graphitic schist-



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FIGURE 6
REGIONAL AEROMAGNETICS
SCALE 1":1 mile

Scale: One Inch to One Mile = $\frac{1}{63,360}$ Miles



quartz carbonate alteration zone contact at the Flagstaff-Motherlode prospect. A fifth, moderately conductive, northerly trending zone, open in both directions along strike, extends approximately 1000m over the survey area. Relatively weak conductive response along part of this zone may be due to the acute angle of coupling with the survey lines.

GEOCHEMISTRY

Analytical Techniques

Geochemical sampling consisted of the collection of 713 soil samples at 25m intervals along selected sections of the grid lines. The samples were collected from the "B" horizon using mattocks and were placed in bellows-type heavy kraft paper soil sample envelopes. The samples were dried, sieved, and analyzed for Cu, Pb, Zn, Ag, Ni, Fe %, As, and Sb by Acme Analytical Labs Ltd. of Vancouver, using the ICP (induction coupled plasma) technique. An aqua regia leach was used for the samples. A separate analytical technique was used for Au, consisting of an aqua regia leach, followed by extraction using an organic solvent and semi-quantitative determination by Atomic Absorption. More detailed descriptions of analytical techniques are appended to this report.

The analytical results for the above elements have been tabulated and are included as an appendix to this report. Corresponding plots have been prepared for Au, Ag, and As and are included in the map pocket.

A total of 41 rock samples were collected from the old trenches at the Flagstaff-Motherlode showing. These were geochemically analyzed for Au by the combined Fire Assay/Atomic Absorption technique by TerraMin Research Lab Ltd. in Calgary.

Statistical Analysis

Statistical analysis of the results of Au-in-soils data are summarized in the cumulative probability graph in Figure 7. Values greater than 35 ppb are above threshold, and values greater than 70 ppb are anomalous. The graph indicates a disproportionately large number of anomalous values. This skewed distribution is the result of deliberately selecting certain sampling intervals along a number of the grid lines in an attempt to confirm anomalous results reported in B.C. Assessment Report 4245.

1000 PPK

100 PPK

BCMT CLAIMS - AR-BC-5
Au - IN - SOILS (1981 DATA)
N = 713

10 PPK

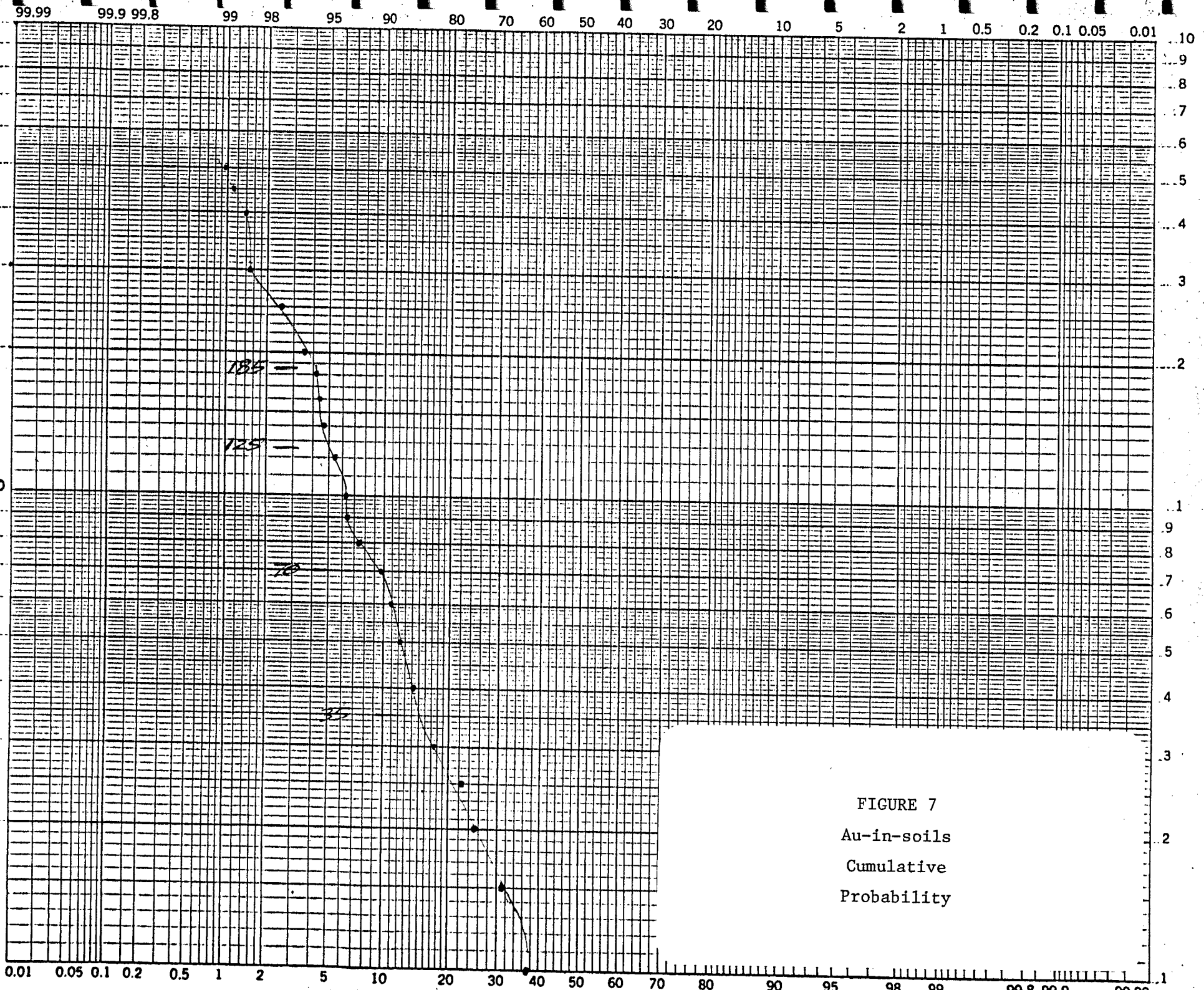


FIGURE 7
Au-in-soils
Cumulative
Probability

Results

The 1981 sampling was successful in most areas in confirming the anomalous results reported by the 1972 work (see B.C. Assessment Report 4245). In several places, the 1981 work delineated more coherent and consistent anomalous zones than the 1972 work, perhaps as a result of closer sampling intervals, and refinements in analytical techniques. Significant geochemical anomalies are described below:

1972 Program

1. Au-in-soils anomalies outlined by sampling in 1972 consist of two sizeable trends, each approximately 3,000m long and 50m to 300m wide (see compilation map in back pocket). Au-in-soils values in these zones range up to 2950 ppb and are associated with intensely altered zones in greenstone. These alteration zones consist of stratiform albite-quartz-sericite-ankeritic carbonate-pyrite assemblages which are the product of intense sodic metasomatism of the greenstones.
2. Limited rock geochemical sampling (restricted to the few available exposures) has partly delineated a Au-in-rock anomaly which is coincident with the more westerly of the above two Au-in-soils anomalies. Au-in-rock values range from 100 ppb to 3500 ppb, averaging 200-300 ppb, over an area 200m wide and 500m long (still open in both directions along strike). The anomalous Au-in-rock values all occur in albite-quartz-ankerite-pyrite alteration assemblages.

1981 Program

1. A 600m long anomalous Au-in-soils zone, 50m to 200m in width, occurs along the baseline between L 24N and L 30N. The zone is open along strike in both directions, and, according to data contained in B.C. Assessment Report 4245, it extends at least 1000m further to the northwest and to the southeast. Au-in-soils values in the extensions range from 70 ppb to 2850 ppb. The anomaly is associated with underlying thin greenstone flows

and tuffs, siliceous interbeds, and a series(?) of "quartz-carbonate" alteration zones where the greenstones have been affected by intense sodic metasomatism. In these zones, the greenstones have been completely altered to albite-muscovite-quartz-ankeritic carbonate-pyrite assemblages. Rock geochemical sampling within the anomalous soils zone has partly delineated a zone of anomalous Au-in-rock values ranging from 80 ppb to 3500 ppb. The anomalous values are associated with the interstratified quartz-carbonate assemblages (see 1972 Program above and also B.C. Assessment Report 4245).

2. A 400+m long by 50m wide northwesterly trending anomalous Au-in-soils zone occurs associated with a quartz-carbonate-pyrite alteration zone 800m east of the baseline on L 36, L 38N, and L 40N. Au-in-soils values range up to 495 ppb. The underlying rocks are albite-muscovite-quartz-ankeritic carbonate-pyrite assemblages developed in greenstones that have been altered by intense sodic metasomatism. This assemblage is estimated to have an apparent thickness of more than 300m in this area. Foliations in the formation indicate that this corresponds to a true thickness of approximately 250m. This zone lies within the more easterly of the two 3000m long anomalous Au-in-soils zones described above.

3. A 1000m long by 25m wide northwesterly trending anomalous Au-in-soils zone occurs 700m east of the baseline on L 36N through L 46N. This zone occurs along the projected strike extension of the mineralized contact zone at the Flagstaff-Motherlode prospect. A small amount of fill-in sampling would probably demonstrate the continuity of this trend with a 100m long by 50m wide zone that has been delineated 300m to the north in the immediate vicinity of this prospect.

4. A number of other smaller zones of anomalous Au-in-soils values occur at various locations in the grid area. Most of these occur within the major anomalous trends delineated by the 1972 work. Some disparities are apparent, however, and are attributed to possible errors in grid control.

Trench Sampling

The results of trench sampling are described elsewhere in this report (see "Economic Geology: Flagstaff-Motherlode"). A 1:1000 scale plot of Au-in-rock values in the trench samples is included in the back pocket.

CONCLUSIONS

- 1.a. Two large zones of anomalous Au-in-soils values, each 3000m long and 50m to 300m wide occur as subparallel northwesterly-trending zones approximately 900m apart.
- 1.b. The above zones are spatially associated with areas of intense sodic metasomatism in greenstones, marked by the development of thick albite-quartz-sericite-ankeritic carbonate-pyrite assemblages. In several areas these alteration assemblages are interstratified with graphitic shales, suggesting that they were deposited as chemical precipitates in the vicinity of submarine volcanic exhalative centres.
- 1.c. An extensive area of anomalous Au-in-rock values (100-3500 ppb) some 200m wide and 500m long (still open along strike) occurs in samples of the albite-quartz carbonate alteration assemblages underlying the more westerly of the two large anomalous trends.
- 1.d. The above two zones present very favorable targets for continued exploration for stratiform, low-grade, potentially large-tonnage, synvolcanic gold deposits.

- 2.a. Trench sampling at the old Flagstaff-Motherlode occurrence has partly defined a 6m thick zone of anomalous Au values in the hanging wall of the vein system. A grab sample of the vein material, collected late in 1980, assayed as follows:
F-46 0.054 oz/ton Au; 8.60 oz/ton Ag
The gold occurs in tetrahedrite. Previous grab samples were reported to assay as follows:
Au: 0.19 oz/ton Ag: 37.1 oz/ton (GSC Memoir 252)
- 2.b. Ground VLF-EM surveying, carried out over a limited part of the 1981 grid area in the vicinity of the Flagstaff-Motherlode occurrence, has delineated four northwesterly trending conductive zones. The most northeasterly of these coincides with the location of the graphitic

schist-quartz-carbonate alteration zone contact at the Flagstaff-Motherlode prospect. High Au-in-soils values occur associated with the next two adjacent conductive zones, suggesting they may reflect the presence of similar vein-type mineralization.

- 2.c. The extension of the Flagstaff-Motherlode vein system, exposed in outcrops on the northern side of the Germansen River, was not sampled in 1981. These exposures, plus the strike length of the associated conductive zone, imply a proven strike length of approximately 400m for the zone. Geochemical sampling (see section on Geochemistry in this report) suggests the zone may extend a further 1000m to the southeast. The presence of potentially economic grades and widths in this vein system, in conjunction with its large possible strike length, warrants further exploration.

RECOMMENDATIONS

Further exploration of the targets described above should be accomplished by trenching programs.

Bulldozer trenching of the extension of the Flagstaff-Motherlode vein system should be preceded by additional VLF-EM surveying, to delineate its extent along strike.

Bulldozer trenching of the large Au-in-soils anomalies overlying the major quartz-carbonate alteration zones should commence in the vicinity of the Au-in-rock anomaly. A little more field work involving detailed mapping will be necessary to site trenches in this area.

Detailed trench mapping and sampling should be carried out as an integral part of the trenching program.

Contingent upon obtaining encouraging results from this area, trenching should be extended along the strike of the zone, and areas of the more easterly of the two large soils anomalies (where overburden is expected to be deeper) should be selected for trenching.

Project Costs: Manson Creek
QCM Claims

GR-BC-5

PERSONNEL

Pre-Field

T. Nelson	April 28,29 2 days @ \$156.25	312.50	
C. Aussant	May 14 ½ day @ \$215.00	107.50	

Field

M. Fox	May 17-25 8½ days @ \$250.00	2,125.00	
	May 26 1 day @ \$215	215.00	
T. Nelson	May 17,21-24,27 5½ days @ \$156.25	859.38	
	May 18-20 3 days @ \$115.	345.00	
R. Davies	May 17-24,27 8½ days @ \$141.88	1,205.98	
D. Thompson	May 17-24,27 8½ days @ \$141.88	1,205.98	
D. Kenning	May 17,21-24,27 5½ days @ \$141.88	780.34	
	May 18-20 3 days @ \$103.50	310.50	
J. Selwyn	May 17-24,27 8½ days @ \$120.31	1,022.64	
M. Schiefner	May 17-24,27 8½ days @ \$91.56	778.26	
B. Moffatt	May 17-24,27 8½ days @ \$120.31	1,022.64	
M. Plumbtree	May 28 1 day @ \$91.56	<u>91.56</u>	10,382.28

CAMP AND ACCOMMODATION

Camp Equipment	66 man days @ \$12	792.00	
Groceries		<u>447.73</u>	1,239.73

EQUIPMENT RENTALS

3/4-ton vans	2 x 8½ days @ \$35	595.00	
Geonics EM-16	8½ days @ \$15	127.50	
Scintrex MBS-2 proton mag base station	8½ days @ \$40	340.00	
Scintrex MP-2 proton magnetometers	2 x 8½ days @ \$20	340.00	
Transceiver radio	8½ days @ \$ 8	<u>68.00</u>	1,470.50

TRAVEL EXPENSES

Invoice 81-78	1,430.48	
Invoice 81-160	275.85	
Invoice 81-105	<u>605.76</u>	2,312.09

DISPOSABLE MATERIALS & SUPPLIES

Flagging, notebooks, sample bags,
gunny sacks, toposil thread, etc. 346.47

FREIGHT AND COURIER

Invoice 81-78	27.10	
Invoice 81-135	<u>204.76</u>	231.86

TELEPHONE

Invoice 81-78	30.37	
Invoice 81-105	6.00	
Invoice 81-135	<u>63.52</u>	99.89

MISCELLANEOUS EXPENSES

Maps, photocopying, blackline prints, etc.

Invoice 81-78	159.19	
Invoice 81-105	59.84	
Invoice 81-135	<u>130.40</u>	349.43

HANDLING CHARGES

(12% on all third-party expenses)

Invoice 81-78	241.03	
Invoice 81-105	73.41	
Invoice 81-135	33.99	
Invoice 81-160	<u>33.10</u>	381.53

GEOCHEMICAL ANALYSES

Soil Samples

Cu, Pb, Zn, Ag, Ni, Fe %, As, Sb		
713 samples @ \$5.50	3,921.50	
Au analyses 713 samples @ \$3.25	2,317.25	
Soil sample preparation @ \$0.40	285.20	
Rock samples		
Au analyses (Fire Assay and A.A.)		
41 samples @ \$4.50	184.50	
Rock sample preparation @ \$2.50	<u>102.50</u>	6,810.95

POST-FIELD

Report preparation, data plotting, etc.	2,000.00	
Drafting, materials, etc.	500.00	
Secretarial	100.00	
Photocopying, blackline prints	250.00	
Misc. telephone, freight, courier, maps, etc.	<u>150.00</u>	3,000.00

\$ 26,624.73

A P P E N D I X I

Analytical Techniques



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6

Telephone : 253 - 3158

Feb. 24, 1981

Golden Rule Resources Ltd.,
150 - 1300 , 8th S.W.
Calgary, Alberta,
T2R 1P2

Geochemical Laboratory Methodology - 1981

Sample Preparation

1. Soil samples are dried at 60° and sieved to -80 mesh.
2. Rock samples are pulverized to -100 mesh.

Multi Element Analysis by ICP

Digestion of Sample

0.5 gram samples are digested with hot aqua regia for one hour and the sample is diluted to 10 ml. The diluted sample is aspirated by ICP and the analytical results are printed by Telex, either in percent or ppm as shown.

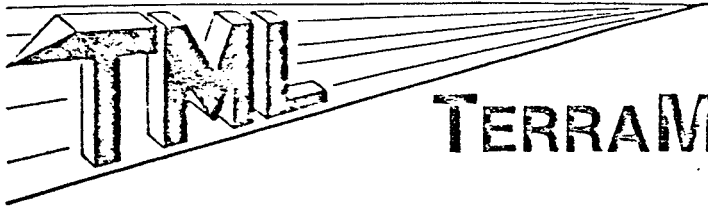
Mo Cu Pb Zn Ag Ni Co Mn Fe% As U Th Cd Sb Bi V Ca% P% La In
Mg% Ba% Ti% B Al% W

Please Note : This digestion is partial for Al, Ca, La, Mg, P, Ti, W and very little Ba is dissolved.

Geochemical Analysis for Au

10.0 gram samples that have been ignited overnight at 600°C are digested with hot dilute aqua regia, and the clear solution obtained is extracted with Methyl Isobutyl Ketone.

Au is determined in the MIBK extract by Atomic Absorption using background correction (Detection Limit = 5 ppb direct AA and 1 ppb graphite AA.)



TERRAMIN RESEARCH LABS LTD.

14-2235 - 30th Avenue N.E. Calgary, Alberta T2E 7C7
(403) 276-8668

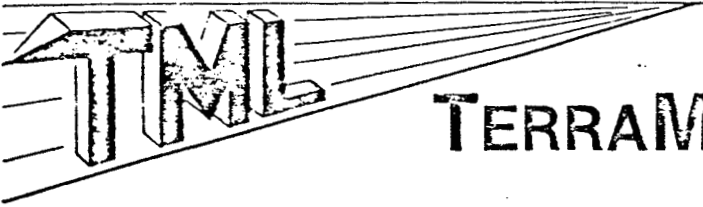
GOLDEN RULE RESOURCES

SAMPLE PREPARATION

Soil and sediment samples are dried and sieved to -80 mesh (approx. 200 micron).

Rock Samples:

The entire sample is crushed to approx. 1/8" maximum, and split divided to obtain a representative portion which is pulverized to -200 mesh (approx 90 micron).



TERRAMIN RESEARCH LABS LTD.

14-2235 - 30th Avenue N.E. Calgary, Alberta T2E 7C7
(403) 276-8668

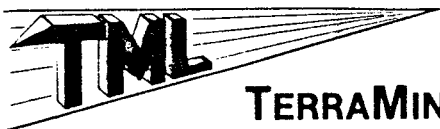
GOLDEN RULE RESOURCES

ANALYTICAL METHOD FOR GOLD AND SILVER

Approximately 1 assay ton of prepared sample is fused with a litharge/flux charge to obtain a lead button. The lead button is cupelled to obtain a prill. The prill is dissolved in nitric/hydrochloric acids (aqua regia), and the resulting solution is analysed by atomic absorption spectroscopy.

A P P E N D I X I I

Analytical Results



TERRAMIN RESEARCH LABS LTD.

JUL 09 1981

ANALYTICAL REPORT

Job # 81-95

GOLDEN RULE RESOURCES

Date July 9, 1981

Client Project GR-BC-5

Page 1/2

Sample No.	(FA/AA) Au ppb
MT - 1	150
2	304
3	740
4 Wall	222
4 Q	14
5 Wall	164
5 Q	28
6 Wall	548
6 Q	82
8 Wall	216
8 Q	232
9	90
10	432
11	174
12	56
13	90
14	294
15	120
16	50
17	60
18	30
18 B	26
19	6
20	142
21	136



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 81-95

Date

Client Project GR-BC-5

Page 2/2

Sample No.	Au ppb
MT - 22	22
23	16
24	22
25	18
26	44
27	76
28	56
29	70
30	48
31	30
32	10
33	6
35	6
36	6
37	12
38	6



To: Golden Rule Resources Ltd.,
150 - 1300, 8th S.W.,
Calgary, Alberta,
T2R 1P2

File No. 81-0512

c.c. Taiga Consultants Ltd.

Type of Samples Soils

GEOCHEMICAL ASSAY CERTIFICATE

Disposition

M Series

SAMPLE No.		Cu	Pb	Zn	Ag	Ni	Fe%	As	Sb	Au		
L8N 0+00 BL		64	4	25	2.1	14	.9	3	1	.005		1
0+25 W		131	9	65	2.5	25	2.0	4	1	.010		2
0+50		27	8	79	.3	20	3.0	13	1	.015		3
0+75		37	5	81	2.3	19	3.6	15	1	.050		4
1+00		41	9	79	.4	24	3.3	20	1	.020		5
1+25		20	1	35	.7	5	.1	1	2	.005		6
1+50		61	6	62	.2	26	2.8	19	1	.040		7
1+75		27	7	70	.2	18	2.7	14	1	.005		8
2+00		49	8	65	.3	26	2.8	13	1	.020		9
2+25		33	5	66	.3	27	3.0	15	1	.030		10
2+50		32	8	81	.6	32	3.2	11	1	.005		11
2+75		12	7	104	.4	15	2.8	8	1	.015		12
3+00		49	13	131	.9	45	3.4	40	2	.005		13
3+25		103	10	133	.6	87	2.8	44	4	.005		14
3+50		29	11	309	.3	37	1.6	53	2	.005		15
3+75		39	7	173	.8	30	.7	1	1	.005		16
4+00 W		20	4	42	.1	7	.7	3	1	.005		17
												18
0+00 E	N.S.											19
0+25		20	9	88	.8	25	3.0	6	1	.005		20
0+50		16	6	58	.2	21	3.1	6	1	.005		21
0+75		20	9	61	.4	23	3.3	9	1	.005		22
1+00		34	8	96	.1	26	3.9	22	2	.005		23
1+25		24	10	148	.3	25	3.4	16	1	.030		24
1+50		32	8	129	.2	23	3.1	20	1	.020		25
1+75		23	8	106	.2	20	2.9	13	1	.010		26
2+00 E		10	7	87	.2	14	2.8	12	1	.030		27
												28
4+00 E		34	8	112	.3	24	2.4	11	1	.080		29
4+25		2	3	36	.1	1	.1	1	1	.010		30
4+50		10	1	5	.1	3	.1	1	1	.005		31
4+75		18	1	20	.3	5	.1	1	1	.005		32
5+00		5	1	43	.1	2	.1	1	1	.005		33
5+25		36	5	121	.1	27	2.6	15	1	.030		34
5+50		47	5	125	.7	23	1.9	11	1	.020		35
5+75		4	2	51	.3	2	.1	1	1	.005	org.	36
6+00		16	2	32	.8	6	.2	1	1	.005	org.	37
6+25 E		37	2	20	3.7	14	.6	1	1	.005		38
L8N 6+50 E	N.S.											39
												40

All reports are the confidential property of clients

All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED June 12, 1981

DATE REPORTS MAILED June 23, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

81-0512

File No. _____

Type of Samples _____

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

M Series

SAMPLE No.	Cu	Pb	Zn	Ag	Ni	Fe%	As	Sb	Au		
L8N 6+75 E	16	4	49	.6	6	.6	1	1	.005		1
7+00 E	38	7	88	.2	18	2.4	16	1	.005		2
											3
9+00 E	27	8	99	.4	21	2.8	11	1	.005		4
9+25	25	6	89	.6	19	2.7	12	1	.210		5
9+50	77	13	118	.9	50	3.5	24	1	.015		6
9+75	24	9	140	.3	18	3.3	14	1	.005		7
10+00	87	3	12	.5	14	.7	3	1	.005		8
10+25	103	4	28	.8	16	1.1	4	1	.005		9
10+50	36	9	60	.2	19	3.1	14	1	.005		10
10+75	37	10	59	.1	20	3.0	17	1	.020		11
11+00	58	9	98	.1	35	3.8	25	3	.005		12
11+25	116	10	93	.3	37	4.2	27	2	.025		13
11+50	70	9	76	.3	31	3.8	17	1	.005		14
11+75	75	6	88	.2	34	3.6	22	2	.010		15
12+00	54	9	115	.6	38	3.5	21	1	.005		16
12+25	37	12	131	.4	40	3.5	26	3	.005		17
L8N 12+50 E	41	9	146	.9	37	3.3	17	1	.005		18
											19
L10N 0+25 W	62	7	86	2.1	22	3.0	8	1	.005		20
0+50	60	10	125	2.3	26	2.9	8	1	.005		21
0+75	46	5	96	1.4	22	3.6	20	1	.030		22
1+00	50	13	124	1.8	25	3.2	12	1	.015		23
1+25	24	13	152	1.1	25	3.8	21	2	.005		24
1+50	22	9	106	1.5	19	3.8	17	1	.050		25
1+75	37	12	100	.6	27	3.2	19	1	.005		26
2+00	59	11	99	1.1	31	3.7	22	1	.025		27
2+25	19	10	67	.5	18	2.7	9	1	.005		28
2+50	79	9	82	.5	38	3.2	22	1	.020		29
2+75	54	8	83	.4	30	3.1	20	1	.040		30
3+00	28	10	67	.3	20	2.7	18	1	.045		31
3+25	24	12	191	.8	26	2.8	15	1	.005		32
3+50 W	31	10	174	.3	24	3.2	7	1	.005		33
											34
0+00 E	50	5	83	1.2	28	3.3	8	1	.005		35
0+25	46	7	54	1.9	16	2.6	8	1	.005		36
0+50	43	12	171	1.5	31	4.4	19	2	.005		37
0+75	41	9	192	.2	35	4.2	21	3	.020		38
1+00	23	7	174	1.3	27	3.7	13	3	.015		39
L10N 1+25 E	61	8	172	.1	38	4.1	24	3	.065		40

All reports are the confidential property of clients
All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED _____

DATE REPORTS MAILED _____

ASSAYER *Dean Toye*

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 81-0512

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

M Series

SAMPLE No.		Cu	Pb	Zn	Ag	Ni	Fe%	As	Sb	Au		
L10N 1+50 E		37	12	105	.4	23	3.1	23	2	.005		1
1+75		17	11	105	.4	18	2.7	14	1	.100		2
2+00		13	10	80	.4	13	2.5	14	1	.015		3
4+00		28	11	112	.5	23	2.8	16	1	.005		4
4+25		39	10	120	.2	25	3.1	19	1	.040		5
4+50	N.S.											6
4+75		18	11	72	.2	17	2.0	11	1	.030		7
5+00		37	14	103	.3	27	2.7	13	1	.015		8
5+25		32	13	93	1.0	21	2.3	14	1	.010		9
6+25		7	1	19	.1	2	.1	1	1	.005	org.	10
6+50		75	15	125	.5	42	3.4	26	2	.005		11
6+75		46	12	73	.3	21	3.2	19	1	.015		12
7+00		75	17	200	.5	41	3.9	36	5	.020		13
7+25		34	5	21	1.8	8	.7	7	1	.005	org.	14
7+50		24	9	58	4.9	13	1.5	5	1	.005	org.	15
7+75		76	15	157	.9	34	4.1	27	4	.080		16
8+00		43	16	113	.2	29	3.4	19	3	.005		17
8+25		16	14	120	.3	16	3.5	19	1	.015		18
8+50		48	12	89	.2	23	3.1	18	1	.005		19
8+75		41	13	100	.2	25	2.9	29	1	.010		20
9+00		147	7	23	2.8	12	1.0	2	1	.005	org.	21
9+25		65	13	74	.2	23	3.7	24	1	.015		22
9+50		44	16	77	.3	24	4.0	24	1	.015		23
9+75		61	19	78	.2	22	3.8	21	1	.025		24
10+00 E	N.S.											25
10+25		54	19	67	.3	22	4.2	34	1	.005		26
10+50		18	13	61	.1	12	3.1	18	1	.035		27
10+75		11	13	91	.2	18	2.4	14	1	.005		28
11+00		56	15	99	.5	36	3.0	22	1	.010		29
11+25		44	14	87	.1	31	2.7	24	1	.015		30
11+50		37	15	89	.4	35	2.3	19	1	.020		31
11+75		16	10	83	.2	22	2.2	12	1	.010		32
12+00		34	12	78	.3	27	2.7	17	1	.005		33
12+25		46	18	115	1.4	29	3.0	19	1	.005		34
L10N 12+50 E		67	18	153	2.1	51	3.4	19	1	.010		35
												36
L12N 0+00		46	15	199	.3	33	3.6	31	1	.550		37
0+25 E		61	14	181	.3	33	3.9	33	1	.025		38
L12N 0+50 E		77	18	230	.3	47	4.2	44	1	.230		39
												40

All reports are the confidential property of clients

All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED.....

DATE REPORTS MAILED.....

ASSAYER *D. Toye*

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 81-0512

Type of Samples

GEOCHEMICAL ASSAY CERTIFICATE

Disposition

M Series

Table with columns: SAMPLE No., Cu, Pb, Zn, Ag, Ni, Fe%, As, Sb, Au, and a final column for sample numbers 1-40. Rows include L12N 0+75 E, 8+00, 9+00, 10+00, 10+75, L12N 11+00 E, L12N 0+25 W, and L12N 1+75 W.

All reports are the confidential property of clients
All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED.....

DATE REPORTS MAILED.....

ASSAYER [Signature]

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6

phone:253 - 3158

File No. 81-0512

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

M Series

Table with columns: SAMPLE No., Cu, Pb, Zn, Ag, Ni, Fe%, As, Sb, Au, and a final column for sample numbers. Rows include L12N 2+00 W, L12N 5+00, L24N 0+00, and L24N 8+75 E.

All reports are the confidential property of clients

All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED

DATE REPORTS MAILED

ASSAYER

DEAN TOYE, B.Sc. CHIEF CHEMIST CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 81-0512

Type of Samples

Disposition

M Series

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Cu	Pb	Zn	Ag	Ni	Fe%	As	Sb	Au		
L24N 9+00 E		57	7	57	.2	18	2.9	18	1	.010		1
9+25	N.S.											2
9+50		77	7	73	1.0	28	3.0	26	1	.005		3
9+75		37	2	9	1.4	8	.2	1	1	.005	org.	4
10+00		36	2	11	.8	13	.4	1	1	.025	org.	5
10+25		34	5	11	1.2	9	.5	1	1	.010	org.	6
10+50		41	9	128	.8	31	3.8	17	2	.005		7
10+75		40	8	134	.3	30	4.3	20	1	.005		8
11+00		50	37	347	.6	38	4.0	36	4	.005		9
												10
L26N 0+00		28	5	44	.1	11	4.3	30	3	.190		11
0+25		30	6	41	.3	14	4.0	18	1	.040		12
0+50		48	6	59	.3	20	4.3	26	1	.030		13
0+75		36	6	62	.3	18	3.6	16	1	.040		14
1+00		55	6	48	.2	19	4.2	24	2	.080		15
4+00		85	7	136	.8	22	4.5	19	1	.020		16
4+25		58	9	82	1.0	18	4.0	20	1	.030		17
4+50		70	7	78	.6	21	3.0	15	1	.010		18
4+75		61	9	70	.3	22	3.9	20	1	.025		19
5+00		62	13	127	1.1	32	3.3	23	2	.010		20
5+25		10	1	28	.1	1	.1	1	1	.005	org.	21
5+50		6	2	41	.5	1	.1	1	1	.005	org.	22
5+75		74	6	79	2.1	23	1.2	6	1	.005	org.	23
6+00		62	8	55	1.1	24	2.1	11	1	.005	org.	24
6+25		22	9	68	.3	13	2.3	9	1	.040		25
6+50		21	8	54	.3	13	2.5	12	1	.120		26
6+75		34	8	60	.8	19	2.7	13	1	.005		27
7+00		11	3	24	.2	4	.1	1	1	.005	org.	28
7+25		10	2	5	.1	4	.1	1	1	.005	org.	29
7+50		6	3	4	.1	2	.1	1	1	.005	org.	30
7+75		50	12	65	1.2	27	3.7	14	1	.010		31
8+00		51	9	118	.4	30	3.2	10	1	.020		32
8+25		15	7	45	.1	11	2.4	6	1	.090		33
8+50		52	10	68	.2	19	4.0	18	1	.105		34
8+75		23	3	58	.2	15	3.8	13	1	.015		35
9+00		70	10	62	.3	19	3.7	10	1	.030		36
9+25		41	4	40	.2	15	3.4	10	1	.005		37
9+50		107	9	52	.3	21	4.2	19	2	.040		38
L26N 9+75 E		42	6	55	.3	14	2.9	15	1	.050		39
												40

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All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED June

DATE REPORTS MAILED June 23, 1981

ASSAYER *D. Toye*

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 81-0512

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

M Series

Table with columns: SAMPLE No., Cu, Pb, Zn, Ag, Ni, Fe%, As, Sb, Au, org., and a final column with numbers 1-40. Rows include sample IDs like L26N 10+00 F, L26N 0+25 W, L28N 0+00, etc.

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ASSAYER

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Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

M Series

Table with columns: SAMPLE No., Cu, Pb, Zn, Ag, Ni, Fe%, As, Sb, Au, and a rightmost column for sample numbers. Rows include L28N 8+50 E, L28N 10+00 E, L28N 0+25 W, L28N 4+00 W, and L30N 0+00 through L30N 6+25 E.

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ASSAYER [Signature]

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File No. 81-0512

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GEOCHEMICAL ASSAY CERTIFICATE

Disposition

M Series

Table with columns: S AMPLE No., Cu, Pb, Zn, Ag, Ni, Fe%, As, Sb, Au, org., and a final column for sample numbers 1-40. Rows include L30N, L30N, L30N, and L36N series.

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ASSAYER [Signature]

DEAN TOYE, B.Sc. CHIEF CHEMIST CERTIFIED B.C. ASSAYER



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852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 81-0512

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

M Series

Table with columns: SAMPLE No., Cu, Pb, Zn, Ag, Ni, Fe%, As, Sb, Au, and a column for sample numbers 1-40. Rows include L36N, L38N, and L38N series with various sample IDs and chemical values.

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DETERMINATION:.....

DATE SAMPLES RECEIVED

DATE REPORTS MAILED

ASSAYER [Signature]

DEAN TOYE, B.Sc. CHIEF CHEMIST CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

File No. 81-0512

Type of Samples

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GEOCHEMICAL ASSAY CERTIFICATE

M Series

SAMPLE No.	Cu	Pb	Zn	Ag	Ni	Fe%	As	Sb	Au		
L38N 12+25 E	66	8	69	.3	33	3.8	14	1	.010		1
12+50	35	7	91	.3	22	3.6	12	1	.005		2
12+75	40	6	74	.5	25	3.7	16	2	.005		3
13+00	92	6	63	.4	39	4.2	25	1	.015		4
13+25	77	6	79	.2	31	3.6	22	1	.020		5
13+50	58	12	109	.2	23	3.6	13	1	.025		6
13+75	23	11	134	.1	18	3.1	5	1	.055		7
14+00	19	7	119	.1	21	3.1	8	1	.005		8
14+25	34	9	127	.1	24	3.2	7	1	.020		9
14+50	26	10	126	.1	24	3.1	7	1	.005		10
14+75	17	9	114	.1	18	3.0	6	1	.005		11
L38N 15+00 E	36	8	112	.1	28	2.9	7	1	.005		12
											13
L38N 0+25 W	22	6	53	.4	14	3.3	18	1	.015		14
0+50	21	3	34	.1	7	4.4	33	1	.170		15
0+75	35	6	38	.1	8	2.6	20	1	.040		16
1+00	19	5	37	.1	7	3.9	25	1	.350		17
1+25	80	6	66	.2	14	4.6	30	1	.180		18
1+50	25	9	89	.2	18	3.4	9	1	.005		19
1+75	20	6	51	.1	10	3.9	18	1	.020		20
2+00	49	7	51	.1	16	3.6	19	1	.025		21
2+75	11	7	49	.1	7	3.0	6	1	.115		22
3+00	13	6	44	.1	10	2.5	13	1	.065		23
3+25	17	7	99	.1	11	2.6	8	1	.005		24
3+50	15	18	41	.1	9	3.1	16	1	.015		25
3+75	20	8	41	.1	10	3.6	18	1	.005		26
L38N 4+00 W	41	6	40	.1	16	3.1	20	1	.030		27
											28
L40N 2+50 E	17	11	42	.6	10	2.9	9	1	.015		29
2+75	66	15	77	.3	24	4.5	46	4	.085		30
3+00	62	2	42	1.6	13	.5	3	1	.015	org.	31
3+25	23	1	7	.3	5	.2	1	1	.010	org.	32
3+50	30	11	61	.3	18	3.3	17	1	.020		33
3+75	89	7	38	.8	20	2.2	17	1	.015		34
4+00	9	2	65	.1	2	.1	1	1	.010	org.	35
4+25	4	1	12	.1	1	.1	1	1	.005	org.	36
4+50	19	6	46	.1	11	2.4	9	1	.045		37
4+75	45	9	82	.9	20	3.1	14	1	.015		38
5+00	27	6	47	.2	15	2.9	16	1	.015		39
L40N 5+25 E	45	6	51	1.0	23	3.1	13	1	.010		40

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ASSAYER *D. Toyer*

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 81-0512

Type of Samples _____

GEOCHEMICAL ASSAY CERTIFICATE

Disposition _____

M Series

SAMPLE No.	Cu	Pb	Zn	Ag	Ni	Fe%	As	Sb	Au		
L40N 5+50 E	11	2	7	.1	3	.1	1	1	.005		org. 1
5+75	34	6	57	.1	12	3.1	18	1	.020		2
6+00	7	2	55	.1	2	.1	1	1	.005		3
6+25	27	8	53	.1	17	2.8	7	1	.055		4
6+50	78	12	75	.2	25	4.5	30	1	.065		5
6+75	16	8	67	.2	14	2.9	15	1	.085		6
7+00	11	8	49	.1	11	2.2	8	1	.010		7
7+25	18	7	49	.1	13	1.7	5	1	.025		8
7+50	67	8	54	.6	26	3.5	18	1	.020		9
7+75	30	7	89	.2	20	3.5	15	1	.140		10
8+00	33	7	49	.1	23	4.0	19	1	.075		11
8+25	92	8	60	.1	43	4.7	35	1	.120		12
L40N 8+50 E	14	5	24	.1	10	2.2	10	1	.055		13
											14
L40N 10+00 E	52	8	80	.2	28	4.1	11	1	.005		15
10+25	16	10	88	.1	17	4.0	8	1	.005		16
10+50	25	9	111	.2	22	3.6	11	1	.030		17
10+75	19	7	67	.1	16	3.6	12	1	.005		18
11+00	21	9	80	.1	20	3.4	7	1	.005		19
11+25	20	6	100	.1	23	3.5	7	1	.005		20
11+50	14	9	89	.1	14	2.9	8	1	.005		21
11+75	34	9	116	.2	22	3.3	7	1	.010		22
12+00	16	8	101	.1	18	3.1	9	1	.005		23
12+25	20	8	109	.2	19	2.9	7	1	.005		24
12+50	32	9	145	.3	27	3.3	11	1	.005		25
12+75	21	9	152	.2	19	2.9	5	1	.005		26
13+00	13	10	128	.1	17	2.7	5	1	.005		27
13+25	24	10	129	.2	34	3.1	6	1	.005		28
13+50	15	11	138	.1	16	3.0	2	1	.280		29
13+75	23	10	94	.1	18	3.5	4	1	.005		30
14+00	14	12	92	.1	14	3.2	5	1	.005		31
14+25	29	8	87	.1	28	3.4	9	1	.005		32
14+50	17	10	117	.1	24	3.0	6	1	.005		33
14+75	23	12	104	.2	23	3.5	6	1	.005		34
L40N 15+00 E	37	9	107	.1	28	3.5	6	1	.005		35
											36
L42N 0+00 E	13	8	53	.1	11	2.7	10	1	.005		37
0+25	15	8	51	.1	10	3.0	12	1	.020		38
0+50	54	8	71	.2	14	4.5	19	2	.075		39
L42N 0+75 E	53	9	52	.2	19	3.6	17	1	.075		40

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ASSAYER Dean Toye

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 81-0512

Type of Samples -----

GEOCHEMICAL ASSAY CERTIFICATE

Disposition -----

M Series

S AMPLE No.	Cu	Pb	Zn	Ag	Ni	Fe%	As	Sb	Au		
L42N 1+00 E	9	3	10	.1	2	.5	1	1	.005	org.	1
1+25	34	10	62	.3	21	3.7	16	1	.015		2
1+50	79	12	79	.5	32	4.1	33	4	.065		3
1+75	74	9	73	.3	15	4.6	14	1	.005		4
2+00	27	9	59	.1	14	3.8	10	2	.020		5
2+25	20	9	49	.1	15	3.4	9	1	.005		6
2+50	61	9	43	.7	18	2.7	7	1	.010	org.	7
2+75	51	15	58	.2	23	5.0	35	3	.075		8
3+00	103	9	68	.4	26	3.6	13	1	.010		9
3+25	157	14	10	.9	15	.6	5	1	.005	org.	10
3+50	51	11	50	.7	20	3.7	12	1	.035		11
3+75	N.S.										12
\$+00	61	7	43	.2	25	3.3	13	2	.015		13
4+25	20	6	42	.1	17	3.5	26	1	.020		14
4+50	18	10	47	.1	14	3.5	13	1	.015		15
4+75	25	8	32	.1	14	2.8	10	1	.040		16
5+00	34	8	57	.2	21	3.4	17	1	.130		17
5+25	42	7	67	.1	28	4.2	37	1	.050		18
5+50	36	7	72	.2	21	4.3	26	2	.030		19
5+75	32	3	19	.3	8	.8	5	1	.005	org.	20
6+00	71	6	44	.1	32	3.5	19	2	.065		21
6+25	48	8	51	.2	26	4.0	18	1	.020		22
6+50	40	8	53	.1	19	3.5	19	1	.010		23
6+75	62	9	42	.1	24	4.3	30	1	.045		24
7+00	51	6	47	.3	17	5.2	20	2	.130		25
7+25	16	8	34	.1	12	3.1	11	1	.020		26
7+50	89	9	59	.2	29	4.5	26	1	.020		27
7+75	105	10	69	.8	35	4.6	18	2	.035		28
8+00	19	5	66	.1	10	5.9	36	1	.015		29
L42N 8+25	45	12	66	.6	26	3.8	17	1	.005		30
L42N 9+00 E	17	10	139	.1	15	2.6	8	1	.020		32
9+25	14	10	131	.2	14	3.0	10	1	.010		33
9+50	9	7	28	.1	7	1.7	4	1	.005		34
9+75	34	14	67	.4	17	3.1	17	1	.010		35
10+00	17	8	67	.1	19	2.4	6	1	.010		36
10+25 E	N.S.										37
10+50 E	266	12	112	1.6	49	3.0	17	1	.020		38
L42N 10+75 E	42	8	166	.2	26	4.2	17	1	.010		39
											40

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ASSAYER Dean Toye

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 81-0512

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

M Series

SAMPLE No.	Cu	Pb	Zn	Ag	Ni	Fe%	As	Sb	Au		
L42N 11+00 E	23	9	119	.1	14	3.1	17	1	.005		1
11+25	20	9	65	.1	20	2.7	8	1	.020		2
12+50	16	11	82	.1	17	2.8	8	1	.010		3
11+75	29	10	120	.2	22	3.5	12	1	.005		4
12+00	32	12	145	.3	21	3.6	11	2	.005		5
12+25	30	12	100	.1	22	3.2	13	1	.020		6
12+50	20	9	86	1.3	20	4.0	15	1	.005		7
12+75	24	13	121	.2	18	3.5	17	1	.005		8
13+00	14	9	111	.5	19	3.2	12	1	1.200		9
13+25	14	9	81	.1	15	2.6	5	1	.005		10
13+50	24	8	78	.2	18	3.3	10	1	.005		11
13+75	26	8	99	.1	22	3.4	13	1	.005		12
14+00	16	14	167	.1	19	3.6	10	1	.005		13
14+25	15	12	153	.2	15	3.3	9	1	.005		14
14+50	41	12	115	.2	32	3.5	10	1	.005		15
14+75	13	9	125	.1	14	3.0	5	1	.005		16
L42N 15+00 E	16	10	111	.2	22	3.3	11	1	.005		17
											18
L44N 0+00	28	8	46	.3	14	3.5	11	1	.005		19
0+25	20	6	36	.1	12	2.6	14	1	.025		20
0+50	74	13	120	.4	29	3.9	40	2	.020		21
0+75	104	6	31	.3	16	2.2	18	1	.020	org.	22
1+00	N.S.										23
1+25	12	8	36	.1	8	2.4	8	1	.020		24
1+50	23	3	13	.4	7	.6	3	1	.020	org.	25
1+75	21	9	55	.3	16	3.5	11	1	.005		26
2+00	43	10	48	.3	25	3.4	11	1	.020		27
2+25	51	14	56	.5	17	4.0	14	1	.020		28
2+50	102	9	59	.5	23	4.0	14	1	.005		29
2+75	17	9	38	.1	17	2.6	8	1	.015		30
3+00	N.S.										31
3+25	129	17	44	.5	15	1.9	11	1	.005		32
3+50	N.S.										33
3+75	34	11	88	.4	10	6.7	36	2	.005		34
4+00	93	9	60	.1	12	6.8	31	3	.005		35
4+25	N.S.										36
4+50	105	5	58	.1	27	6.7	86	2	.800		37
4+75	9	9	38	.2	12	2.0	9	1	.005		38
L44N 5+00 E	27	6	60	.1	18	4.2	39	2	.170		39
											40

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DEAN TOYE, B.Sc.
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M Series

SAMPLE No.		Cu	Pb	Zn	Ag	Ni	Fe%	As	Sb	Au		
L44N 5+25 E		20	8	43	.2	21	3.9	32	3	.045		1
5+50		14	5	48	.1	10	2.5	13	1	.015		2
5+75		57	8	61	.2	22	3.6	18	2	.050		3
6+00		65	8	61	.3	26	3.0	13	1	.015		4
6+25	N.S.											5
6+50		9	9	51	.1	12	3.0	9	1	.005		6
6+75		39	10	56	.4	22	3.1	15	2	.075		7
7+00		47	11	59	.4	25	3.1	25	1	.050		8
7+25		36	8	65	.2	24	2.6	19	1	.005		9
7+50		14	4	36	.2	10	2.1	16	1	.005		10
7+75		30	7	46	.1	10	4.3	11	1	.010		11
8+00		92	4	87	.2	25	3.4	23	1	.005		12
8+25		28	3	56	.1	11	2.6	20	1	.025		13
8+50		31	7	80	.2	17	2.4	10	1	.005		14
8+75		15	6	56	.1	17	4.2	13	1	.005		15
9+00		13	6	86	.1	19	2.9	9	1	.005		16
9+25		12	6	48	.1	9	2.4	5	1	.005		17
9+50		29	7	62	.2	27	3.0	11	1	.005		18
9+75		81	9	71	.2	34	3.4	17	1	.005		19
10+00		23	8	84	.1	21	3.5	13	1	.010		20
10+25		58	11	95	.2	25	3.5	18	1	.005		21
10+50		23	8	134	.3	18	3.7	7	1	.005		22
10+75		8	8	59	.1	9	2.0	4	1	.005		23
11+00		32	6	85	.2	23	3.3	12	1	.015		24
11+25		36	8	100	.3	31	3.5	12	1	.005		25
11+50		14	7	106	.1	16	2.4	5	1	.075		26
11+75		20	6	122	.2	22	3.1	7	1	.005		27
12+00		26	7	84	.1	20	4.4	15	1	.005		28
12+25		16	5	69	.1	19	2.8	3	1	.005		29
12+50		50	7	56	.1	31	3.0	13	1	.005		30
12+75		22	8	130	.1	20	3.5	7	1	.005		31
13+00		22	12	115	.2	20	3.6	9	1	.005		32
13+25	N.S.											33
13+50		22	9	136	.2	23	3.2	9	1	.005		34
13+75		37	6	115	.2	28	3.2	11	1	.005		35
14+00		25	7	182	.3	20	3.3	8	1	.005		36
14+25	N.S.											37
L44N 14+50 E		33	10	70	.1	26	2.8	12	1	.005		38
												39
												40

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ASSAYER *D. Toye*

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

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852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 81-0512

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

M Series

SAMPLE No.	Cu	Pb	Zn	Ag	Ni	Fe%	As	Sb	Au		
L44N 14+75 E	24	8	115	.1	20	3.0	10	1	.005		1
L44N 15+00 E	35	11	101	.1	28	3.0	9	1	.005		2
											3
L46N 0+00 E	33	10	54	.2	15	3.8	24	2	.005		4
0+25	15	5	44	.1	17	2.3	7	1	.005		5
0+50	64	4	90	.3	11	6.6	48	2	.900		6
0+75	101	1	16	.9	16	.1	1	1	.010	org.	7
1+00	10	1	39	.1	2	.1	1	1	.005	org.	8
1+25	22	10	116	.2	12	4.6	12	1	.005		9
1+50	20	6	80	.2	20	3.0	10	1	.005		10
1+75	19	1	5	.1	4	.1	1	1	.005	org.	11
2+00	21	6	58	.1	18	3.6	13	1	.005		12
2+25	120	3	41	.1	15	1.2	7	1	.005		13
2+50	6	4	45	.1	7	1.8	4	1	.005		14
2+75	44	9	45	.1	18	3.8	15	1	.010		15
3+00	2	1	11	.1	1	.1	1	1	.005	org.	16
3+25	3	1	16	.1	1	.1	1	1	.005	org.	17
3+50	9	1	5	.1	1	.1	1	1	.005	org.	18
3+75	11	1	15	.1	1	.1	1	1	.005	org.	19
4+00	100	1	6	.6	13	.4	3	1	.005	org.	20
4+25	33	9	62	.3	20	4.1	14	2	.005		21
4+50	27	9	91	.3	47	4.3	59	1	.005		22
4+75	19	7	58	.1	19	3.7	11	1	.015		23
5+00	18	7	64	.1	16	3.5	10	1	.005		24
5+25	21	6	83	.1	28	3.2	17	1	.025		25
5+50	8	3	20	.1	7	1.5	5	1	.065		26
5+75	35	6	53	.1	25	2.7	9	1	.270		27
6+00	13	6	64	.1	14	2.7	8	1	.005		28
6+25	16	8	80	.1	15	2.6	8	1	.005		29
6+50	20	14	76	.1	17	2.5	7	1	.005		30
6+75	91	8	122	.2	22	5.2	17	1	.015		31
7+00	27	7	87	.1	22	3.6	14	1	.005		32
7+25	28	6	70	.1	21	4.3	39	2	.005		33
7+50	10	6	32	.1	6	1.0	2	1	.015		34
7+75	6	1	31	.1	3	.2	1	1	.005	org.	35
8+00	46	6	71	.2	27	4.0	16	1	.005		36
8+25	34	11	72	.1	29	3.6	15	1	.005		37
L46N 8+50 E	44	7	63	.2	26	4.0	13	1	.005		38
											39
											40

All reports are the confidential property of clients

All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED 11

DATE REPORTS MAILED

ASSAYER Dean Toy

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 81-0512

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

M Series

Table with columns: SAMPLE No., Cu, Pb, Zn, Ag, Ni, Fe%, As, Sb, Au, and a final column with numbers 1-40. Rows include sample IDs like L46N 8+75 E, L46N 15+00 E, L48N 00, etc.

All reports are the confidential property of clients
All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED

DATE REPORTS MAILED

ASSAYER [Signature]

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 81-0512

Type of Samples

GEOCHEMICAL ASSAY CERTIFICATE

Disposition

M Series

SAMPLE No.	Cu	Pb	Zn	Ag	Ni	Fe%	As	Sb	Au		
L48N 275 W	45	5	36	.1	31	2.5	12	1	.005		1
300	10	7	34	.1	18	2.3	8	1	.005		2
325	79	1	9	.7	8	.4	4	1	.005	org.	3
350	16	2	44	.2	15	3.3	14	1	.005		4
375	29	5	53	.1	16	2.7	16	1	.005		5
400	24	3	42	.1	16	2.8	10	1	.030		6
425	12	4	39	.1	13	2.4	11	1	.005		7
450	30	4	30	.1	20	2.1	10	1	.005		8
475	26	4	42	.2	24	2.5	12	1	.005		9
500	17	5	60	.2	20	2.9	9	1	.005		10
525	22	6	69	.2	23	2.8	11	1	.005		11
550	39	7	69	.3	29	3.3	11	1	.010		12
575	25	4	47	.4	21	2.9	12	1	.005		13
600	16	4	66	.2	17	3.1	10	1	.005		14
625	22	4	40	.1	30	3.0	11	1	.005		15
650	17	5	64	.3	16	2.5	8	1	.005		16
675 W	35	4	56	.4	22	3.2	14	1	.025		17
700	45	5	44	.2	25	2.8	12	1	.005		18
725	48	8	52	.4	30	3.0	14	1	.005		19
L48N 750 W	50	5	49	.2	30	3.1	15	1	.005		20
											21
L49N 00	13	4	48	.1	12	2.6	8	1	.005		22
25 W	5	6	37	.1	9	1.7	3	1	.005		23
50	21	6	68	.2	22	3.3	12	1	.005		24
75	15	5	43	.1	13	2.7	10	1	.005		25
100	19	4	72	.1	18	3.1	8	1	.005		26
125	29	6	70	.3	20	3.6	10	2	.005		27
150	12	5	57	.2	17	3.2	10	1	.005		28
175	22	5	37	.1	22	2.9	10	1	.005		29
200	30	6	67	.4	19	3.7	14	1	.005		30
225	22	3	33	.1	19	2.5	10	1	.005		31
250	22	5	39	.2	22	2.9	12	1	.005		32
275	24	6	46	.2	24	3.0	16	1	.005		33
300	10	2	33	.1	13	2.3	6	1	.005		34
325	22	4	40	.2	17	2.7	10	1	.005		35
350	16	5	52	.2	13	2.6	9	1	.005		36
375	25	5	34	.1	20	2.2	9	1	.005		37
L49N 400 W	11	4	72	.1	14	2.5	9	1	.005		38
											39
											40

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All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED.....

DATE REPORTS MAILED.....

ASSAYER *D. Toye*

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 81-0512

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

M Series

SAMPLE No.	Cu	Pb	Zn	Ag	Ni	Fe%	As	Sb	Au		
L49N 425 W	15	4	51	.1	14	2.0	7	1	.010		1
450	38	3	52	.1	23	2.5	13	1	.005		2
475	19	2	43	.1	14	1.7	6	1	.015		3
L49N 500 W	17	6	123	.4	17	3.3	11	1	.005		4
											5
L51N 0	27	6	62	.3	23	4.2	17	2	.005		6
0+25 E	44	5	53	.2	24	3.3	12	1	.005		7
0+50	60	13	74	.6	19	5.3	13	2	.005		8
0+75	58	10	87	.5	22	5.1	9	1	.005		9
1+00	53	15	64	.8	15	5.8	45	2	.005		10
1+25	76	9	62	.8	15	5.2	14	2	.005		11
1+50	144	10	76	.6	9	8.3	51	1	.010		12
1+75	112	2	112	.7	32	6.9	29	2	.070		13
2+00	65	1	38	.4	88	2.0	56	1	.750		14
2+25	30	7	64	.4	26	5.3	33	2	.040		15
2+50	64	7	73	.3	33	3.3	19	1	.005		16
2+75	52	7	83	.5	34	4.8	20	1	.005		17
3+00	59	5	68	.6	29	8.0	14	1	.400		18
3+25 E	36	6	46	.4	23	5.6	24	1	.150		19
0+25 W	23	7	49	.2	19	3.4	11	1	.135		20
0+50	94	6	82	.3	21	3.0	11	1	.025		21
1+00	17	4	71	.2	16	3.6	9	1	.020		22
1+25	5	4	54	.1	11	2.2	4	1	.005		23
1+50	21	4	95	.3	20	3.7	10	2	.025		24
1+75	7	6	104	.2	12	3.0	3	1	.025		25
2+00	14	3	66	.3	17	3.0	10	1	.030		26
2+25	149	3	70	.6	67	3.7	19	1	.035		27
2+50	129	6	76	.6	36	3.7	14	1	.030		28
2+75	106	4	63	.6	32	3.7	16	1	.020		29
3+00	45	6	65	.3	28	4.3	18	1	.020		30
3+25	35	7	59	.4	24	4.2	17	1	.025		31
3+50	87	7	69	.4	51	3.8	32	1	.030		32
3+75	102	4	61	.3	38	3.8	18	2	.035		33
4+00	58	5	59	.2	30	2.9	16	1	.025		34
4+25	49	6	55	.2	23	3.0	14	1	.025		35
4+50	103	3	54	.3	25	3.0	17	1	.030		36
L51N 4+75 W	61	3	57	.3	33	2.9	14	1	.010		37
											38
											39
											40

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All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED.....

DATE REPORTS MAILED.....

ASSAYER *D. Toye*

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Golden Rule Resources Ltd.,

File No. 81-0512

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

M Series

SAMPLE No.	Cu	Pb	Zn	Ag	Ni	Fe%	As	Sb	Au			
L52N 0	50	5	37	.1	19	2.0	11	1	.005			1
25 E	79	6	37	.1	18	1.9	11	1	.005			2
50	41	4	42	.1	20	2.3	10	1	.005			3
L52N 75 E	28	4	42	.1	18	2.1	8	1	.005			4
												5
L52N 25 W	44	7	41	.2	19	2.6	13	1	.005			6
50	359	7	83	.3	21	3.6	6	1	.005			7
75	134	7	67	.1	20	2.5	7	1	.005			8
100	190	6	75	.1	23	2.8	4	1	.005			9
125	24	6	48	.1	17	2.9	11	1	.005			10
150	31	6	43	.1	21	2.6	7	1	.005			11
175	11	5	50	.1	10	2.6	5	1	.005			12
200	44	6	47	.1	23	2.4	9	1	.005			13
225	36	5	42	.1	21	2.3	6	1	.005			14
250	49	4	49	.1	24	2.4	10	1	.010			15
275	136	10	57	.3	37	4.2	19	1	.005			16
300	57	7	47	.1	25	2.5	10	1	.020			17
325	46	9	71	.2	31	3.3	14	1	.010			18
350	68	2	64	.1	28	3.1	14	1	.005			19
L52N 375 W	59	7	59	.1	26	3.0	13	1	.005			20
												21
												22
												23
												24
												25
												26
												27
												28
												29
												30
												31
												32
												33
												34
												35
												36
												37
												38
												39
												40

All reports are the confidential property of clients

All results are in PPM.

DIGESTION:.....

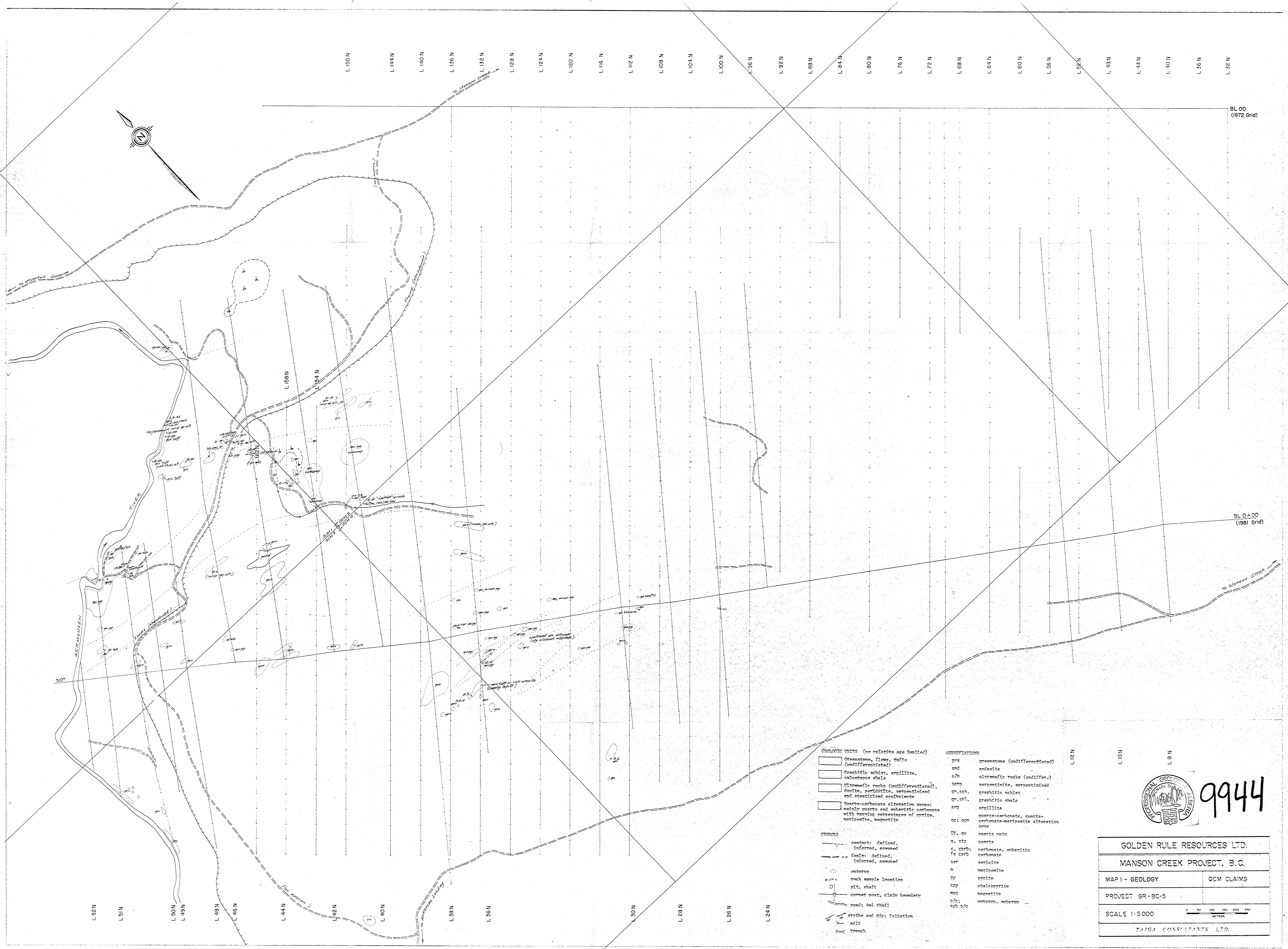
DETERMINATION:.....

DATE SAMPLES RECEIVED

DATE REPORTS MAILED June 23, 1981

ASSAYER *[Signature]*

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



BL 00
(1972 Grid)

BL 0+00
(1981 Grid)

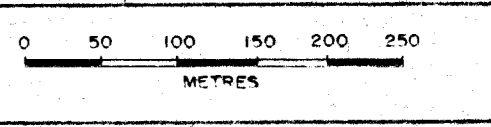
- GEOLOGIC UNITS (no relative age implied)**
- Greenstone, flows, tuffs (undifferentiated)
 - Graphitic schist, amphibole, calcareous shale
 - Ultramafic rocks (undifferentiated), dunite, peridotite, serpentinitized and steatitized equivalents
 - Quartz-carbonate alteration zones: mainly quartz and ankeritic carbonate with varying percentages of pyrite, malpasite, magnetite
- SYMBOLS**
- contact: defined, inferred, assumed
 - fault: defined, inferred, assumed
 - outcrop
 - rock sample location
 - pit, shaft
 - corner post, claim boundary
 - road: 4x4 trail
 - strike and dip; foliation
 - adit
 - trench

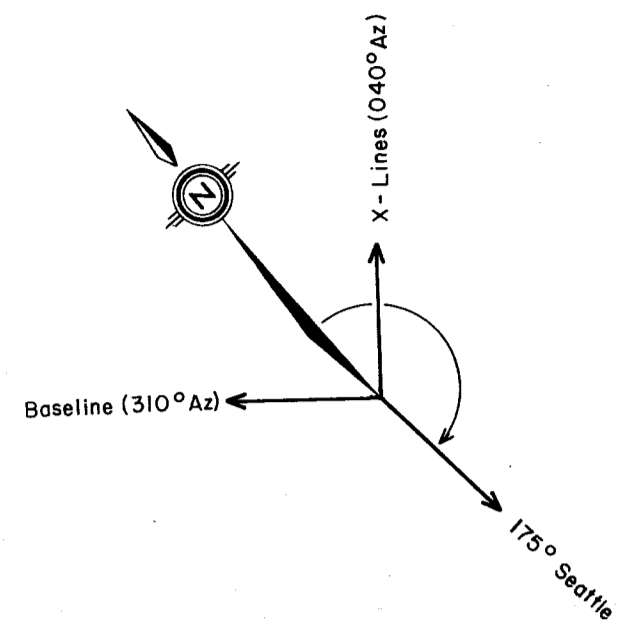
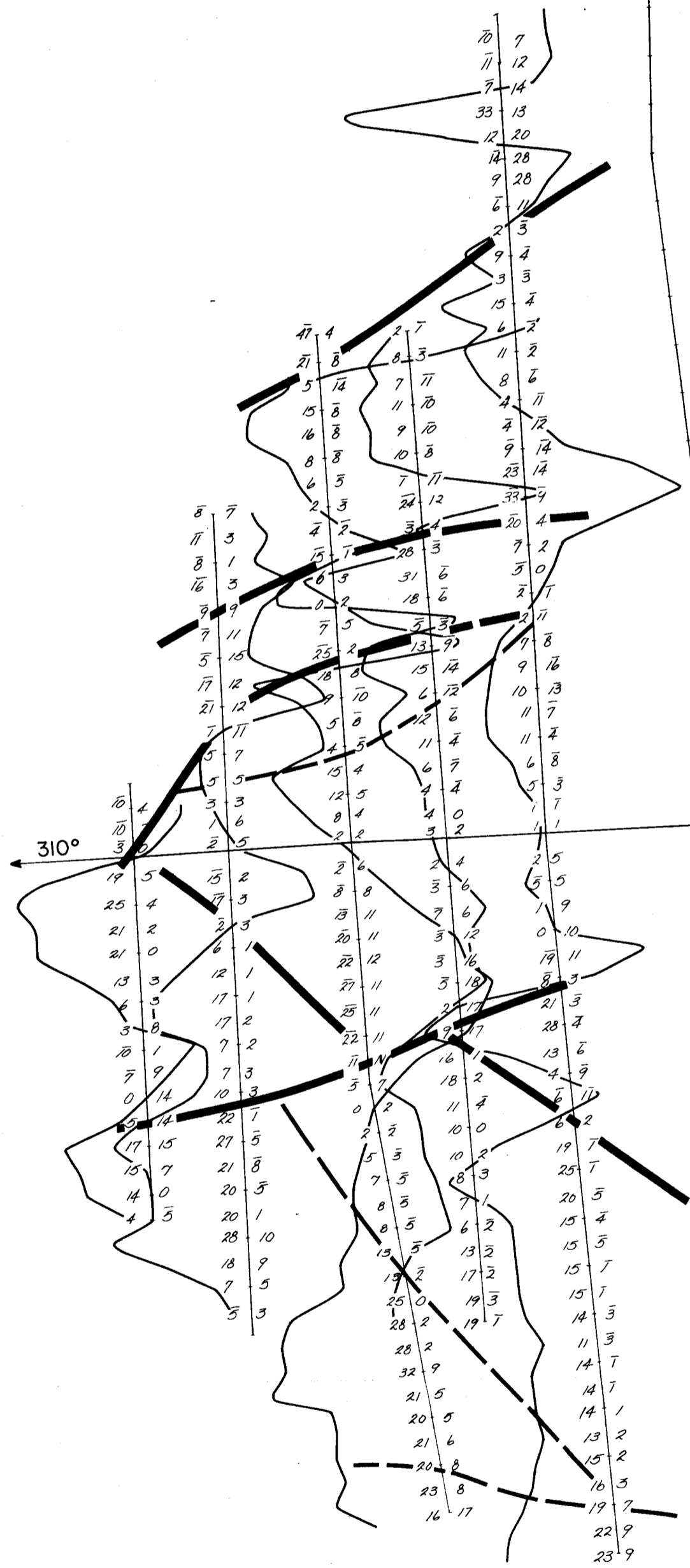
- ABBREVIATIONS**
- grx greenstone (undifferentiated) and andesite
 - u/m ultramafic rocks (undiffer.)
 - serp serpentine, serpentinitized
 - gr.sch. graphitic schist
 - gr.shl. granitic shale
 - ary amphibole
 - oc: qcm quartz-carbonate, quartz-carbonate-malpasite alteration zone
 - qv, qv quartz vein
 - q, otz quartz
 - c, carb. carbonate, ankeritic
 - Fe carb. carbonate
 - ser sericite
 - m malpasite
 - py pyrite
 - cpy chalcopyrite
 - mag magnetite
 - o/c; sub o/c outcrop, subcrop



9944

GOLDEN RULE RESOURCES LTD.
 MANSON CREEK PROJECT, B.C.
 MAP I - GEOLOGY OCM CLAIMS
 PROJECT GR-BC-5
 SCALE 1:5000
 TAIGA CONSULTANTS LTD.





Instrument: Geonics EM-16
 Direction of Survey Traverses: Easterly
 Transmitter: Seattle, Wash. (18.6 KHz)
 Direction to Transmitter: 175° Az

9944

L 52 N

L 51 N

L 50 N

L 49 N

L 48 N

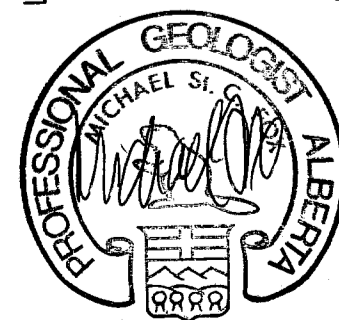
L 46 N

L 44 N

L 42 N

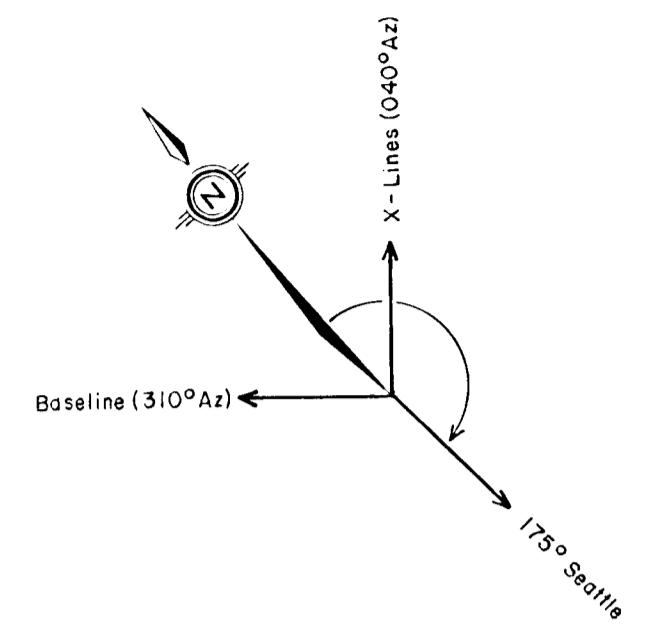
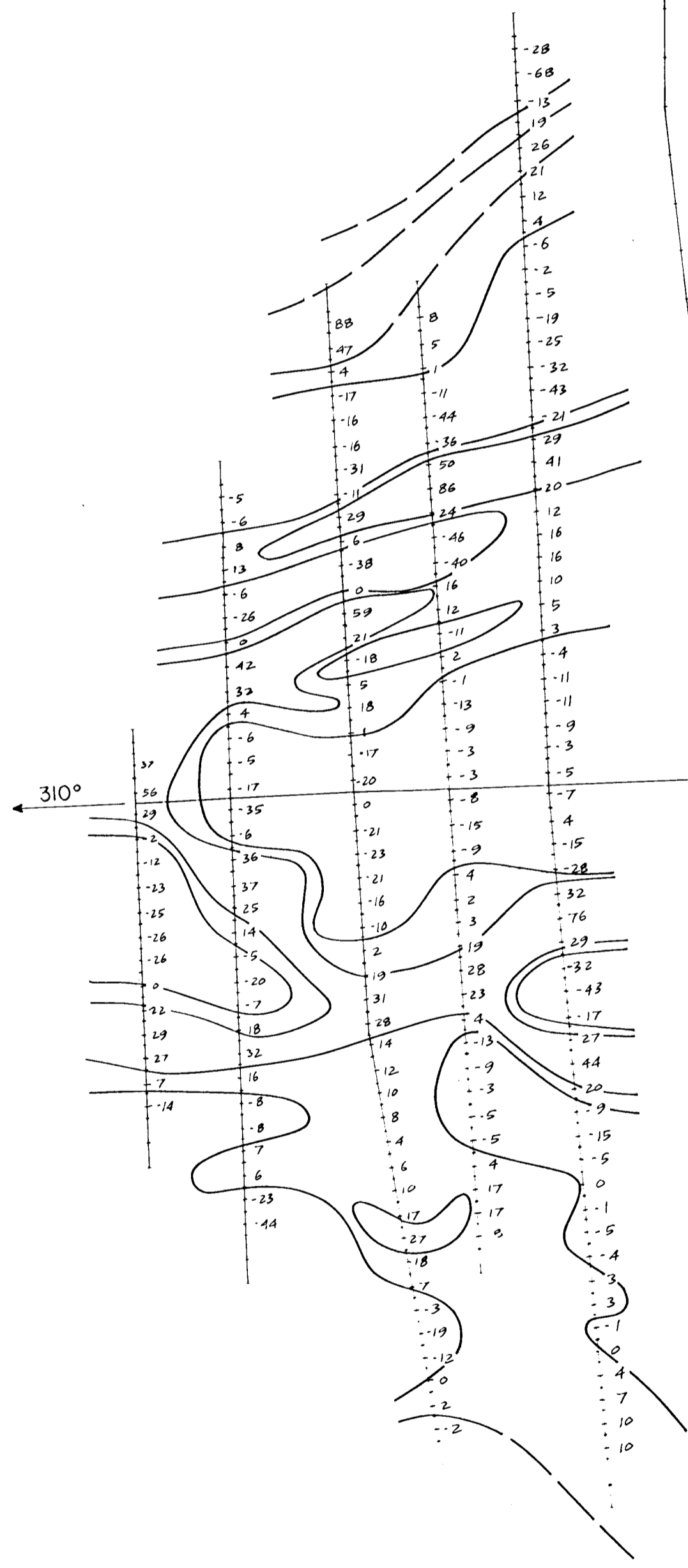
L 40 N

L 38 N



GOLDEN RULE RESOURCES LTD.	
MANSON CREEK PROJECT, B. C.	
MAP 2a - GROUND VLF-EM SURVEY	QCM CLAIMS
PROJECT GR-BC-5	NTS 93 N/9W,10E
SCALE 1:5000	
TAIGA CONSULTANTS LTD.	

December, 1981

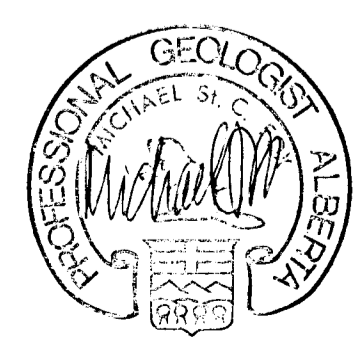


L 52 N L 51 N L 50 N L 49 N L 48 N L 46 N L 44 N L 42 N L 40 N L 38 N

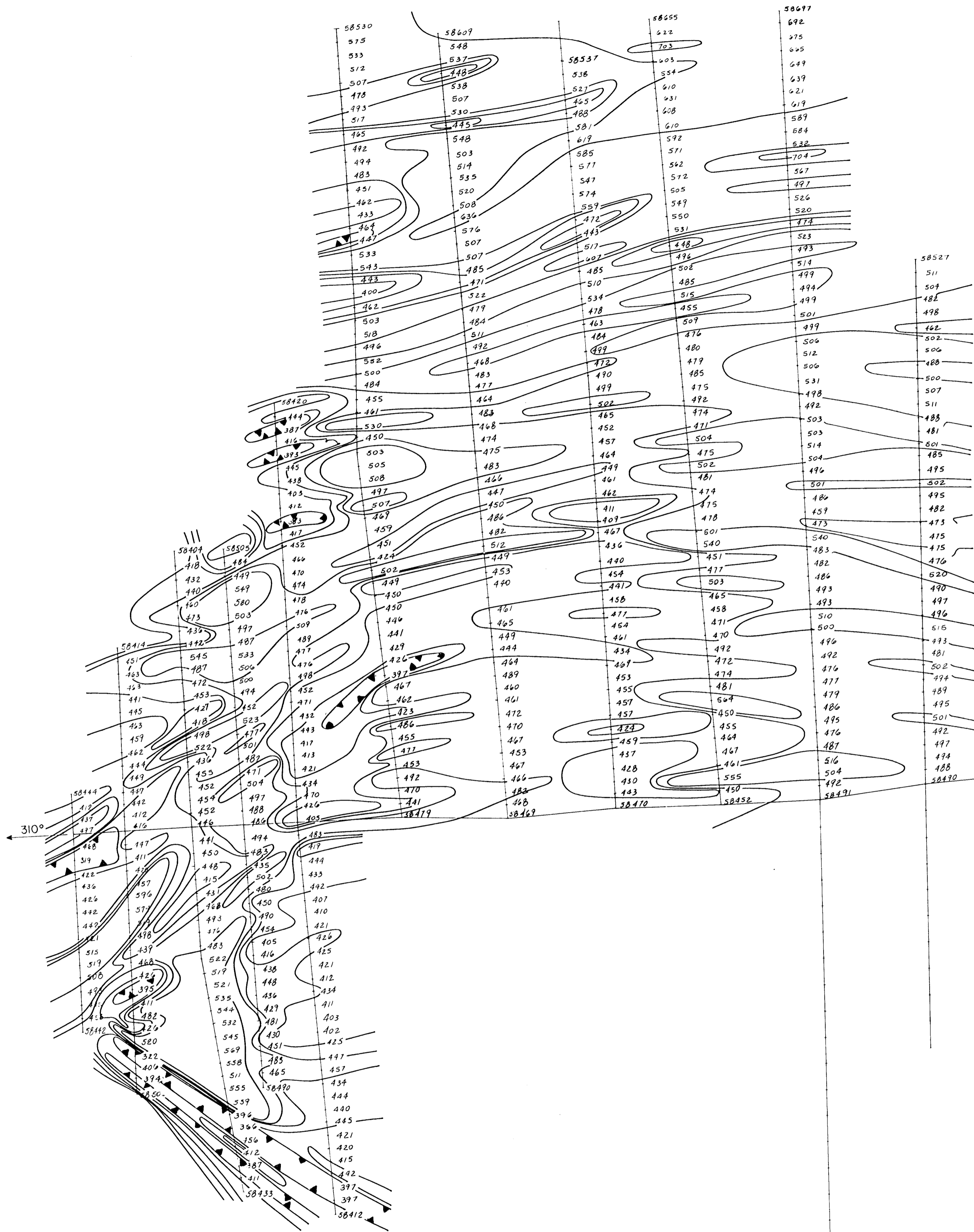
Instrument: Geonics EM-16
 Direction of Survey Traverses: Easterly
 Transmitter: Seattle, Wash. (18.6 KHz)
 Direction to Transmitter: 175° Az

9944

GOLDEN RULE RESOURCES LTD.	
MANSON CREEK PROJECT, B. C.	
MAP 2b - FRASER FILTERED VLF - EM DATA	QCM CLAIMS
PROJECT GR-BC-5	NTS 93 N/9W,10E
SCALE 1:5000	0 50 100 150 200 250 METRES
TAIGA CONSULTANTS LTD.	

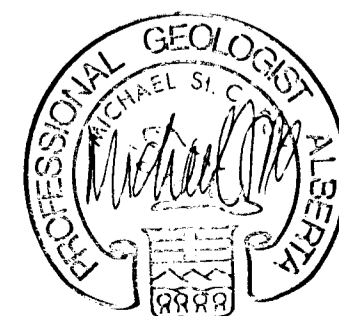


December, 1981



L 52 N L 51 N L 50 N L 49 N L 48 N L 46 N L 44 N L 42 N L 40 N L 38 N

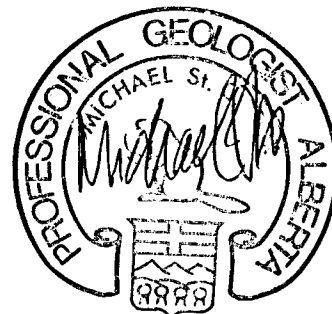
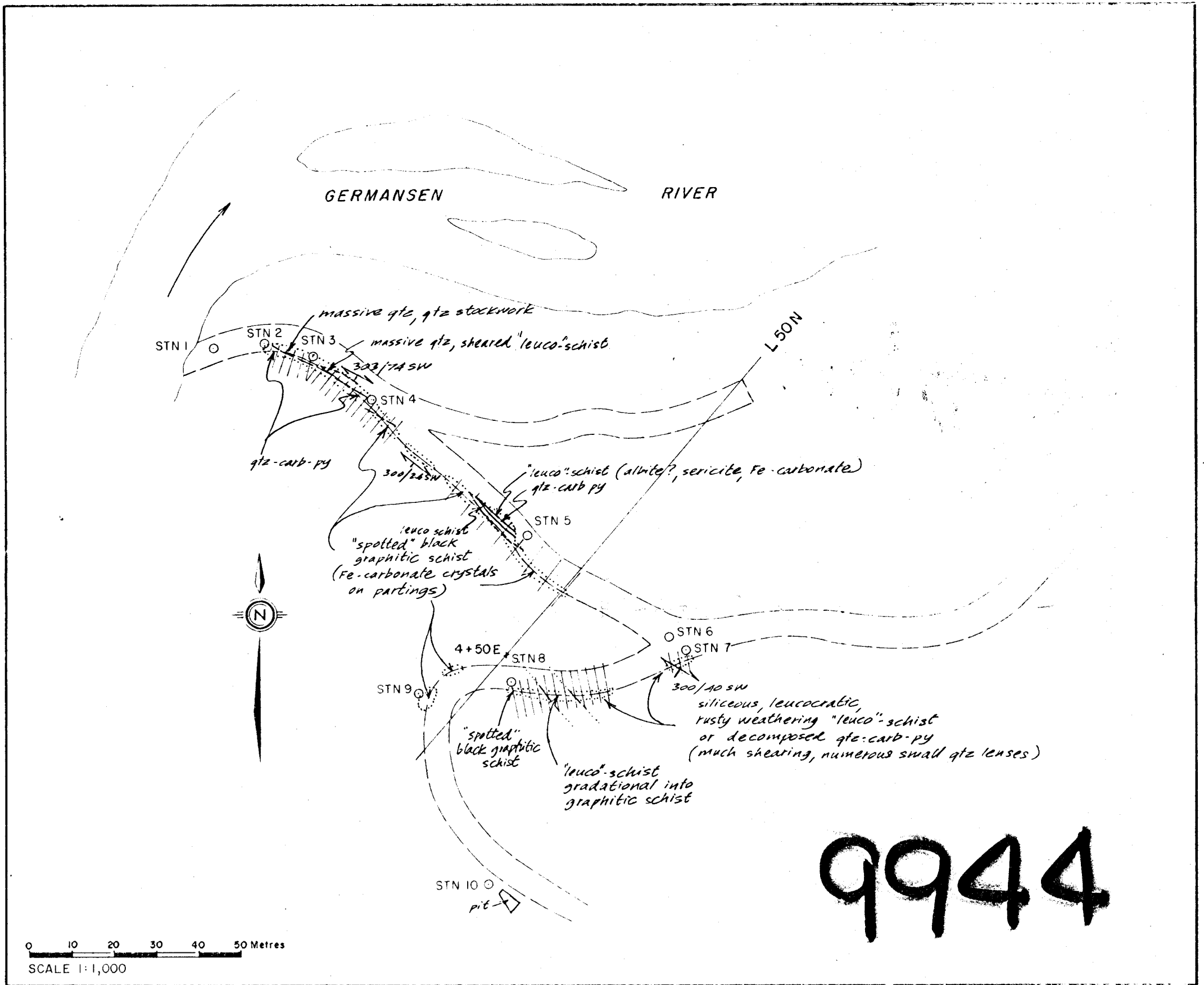
Contour Intervals:
 58 425
 58 450
 58 475
 58 500
 58 600
 58 700



9944

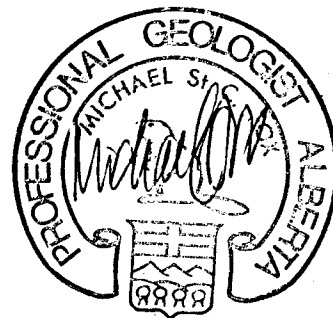
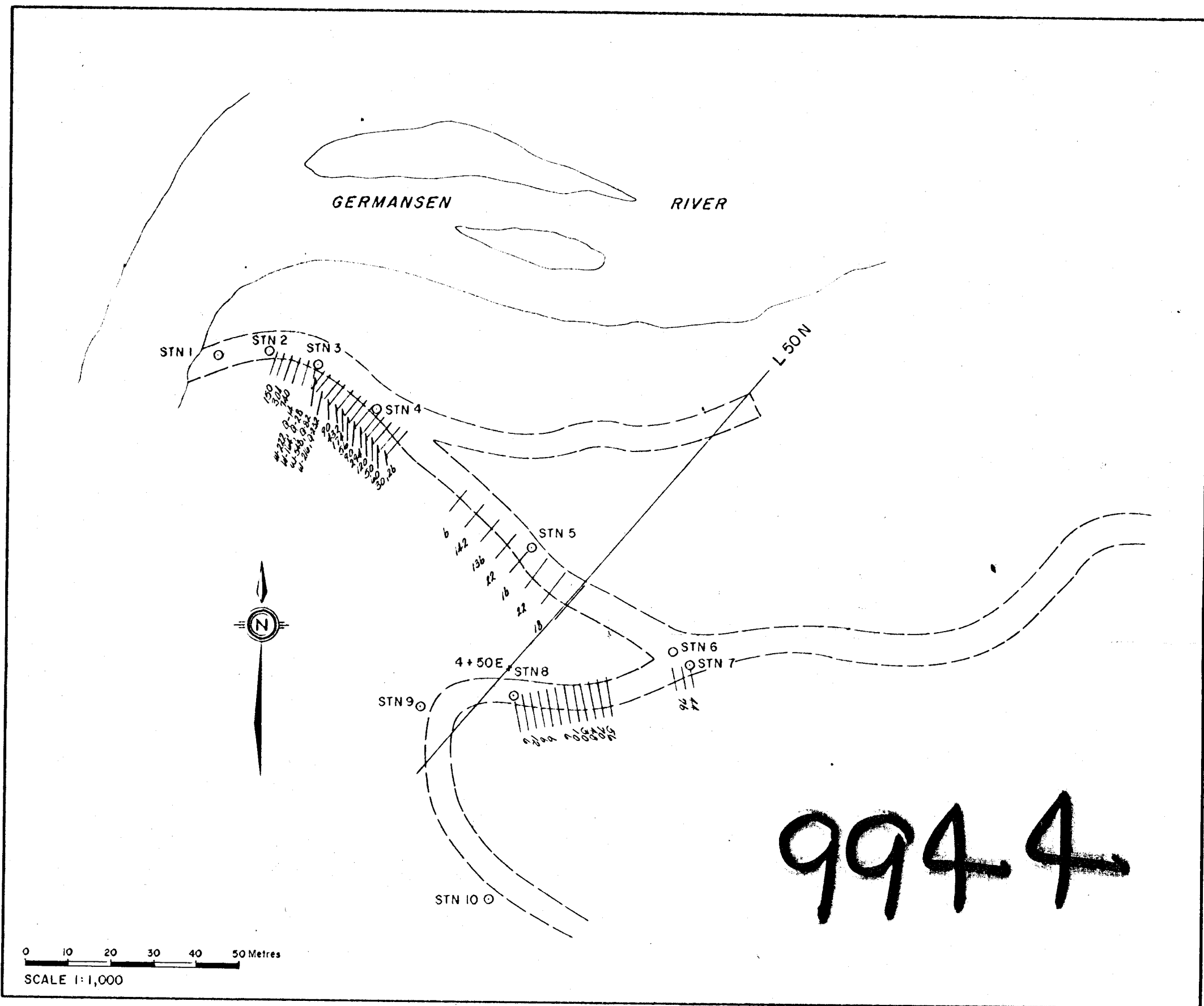
GOLDEN RULE RESOURCES LTD.	
MANSON CREEK PROJECT, B. C.	
MAP 3 - GROUND MAGNETIC SURVEY	QCM CLAIMS
PROJECT GR-BC-5	NTS 93 N/9W,10E
SCALE 1:5000	0 50 100 150 200 250 METRES
FAIGA CONSULTANTS LTD.	

December, 1981



GOLDEN RULE RESOURCES LTD.
 MANSON CREEK PROJECT, B.C.
 Map 4b
 GEOLOGY
 FLAGSTAFF - MOTHERLODE
 TAIGA CONSULTANTS LTD.

December, 1981



GOLDEN RULE RESOURCES LTD.

MANSON CREEK PROJECT, B.C.

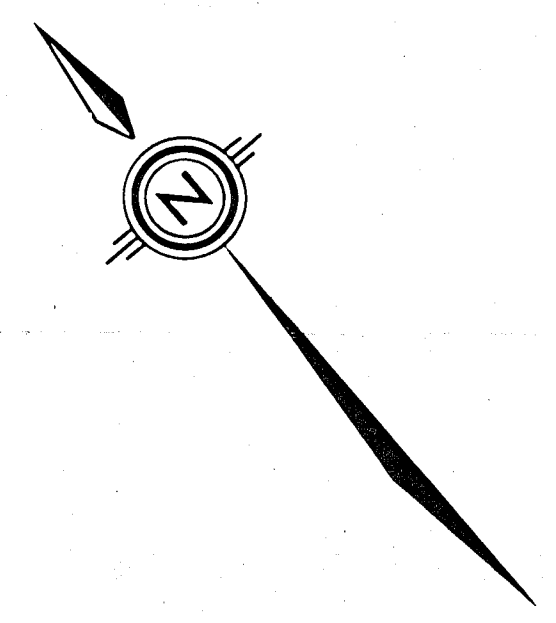
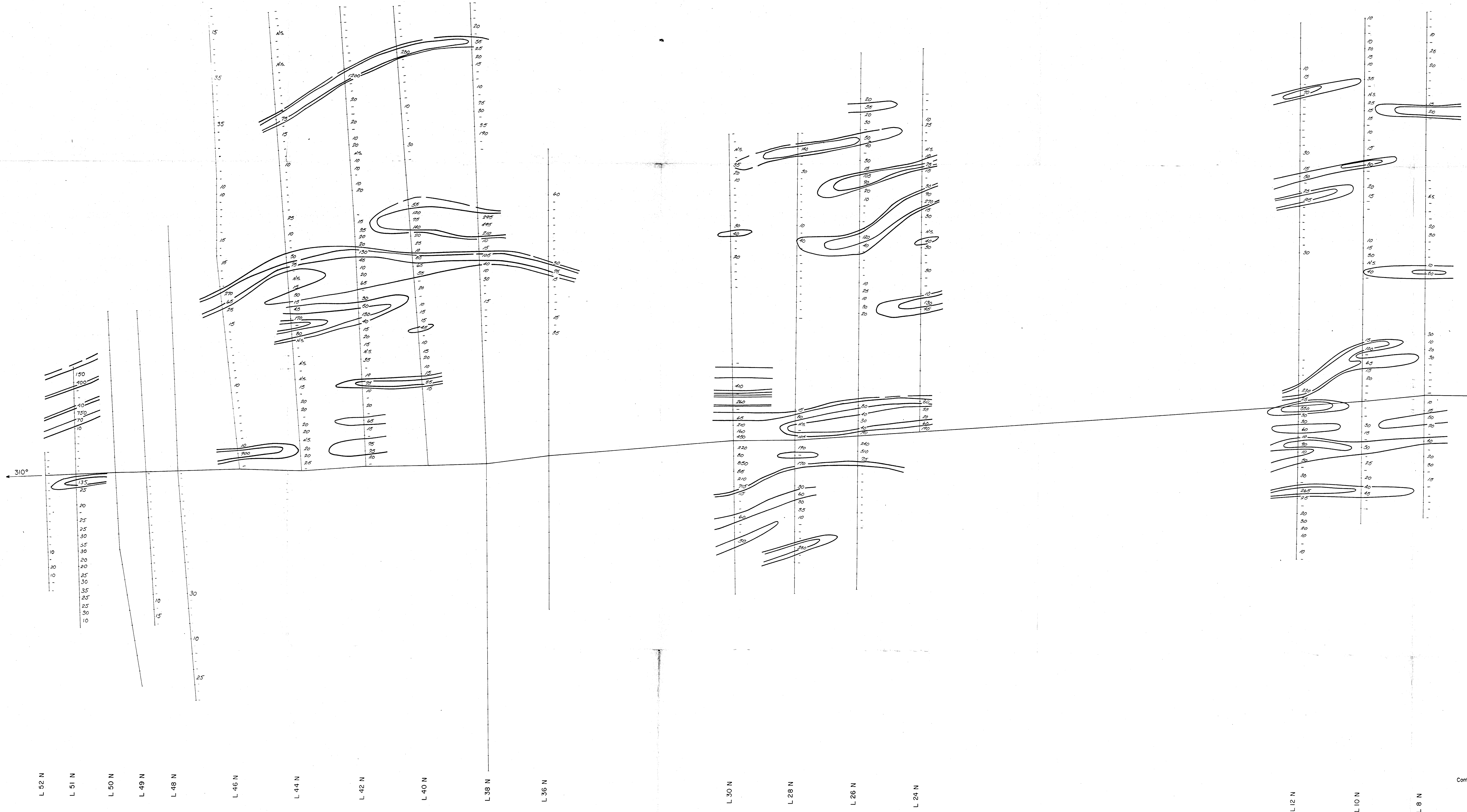
Map 4c

Au in Rocks (ppb)

FLAGSTAFF - MOTHERLODE

TAIGA CONSULTANTS LTD.

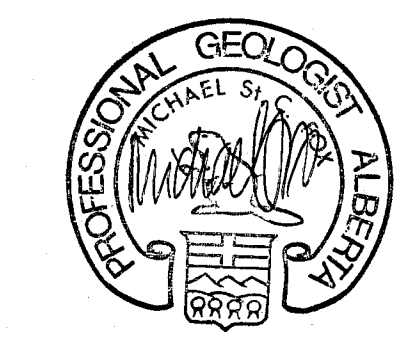
December, 1981



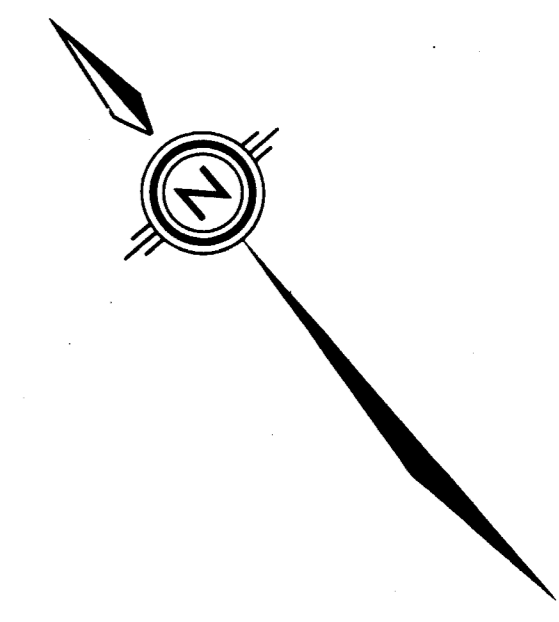
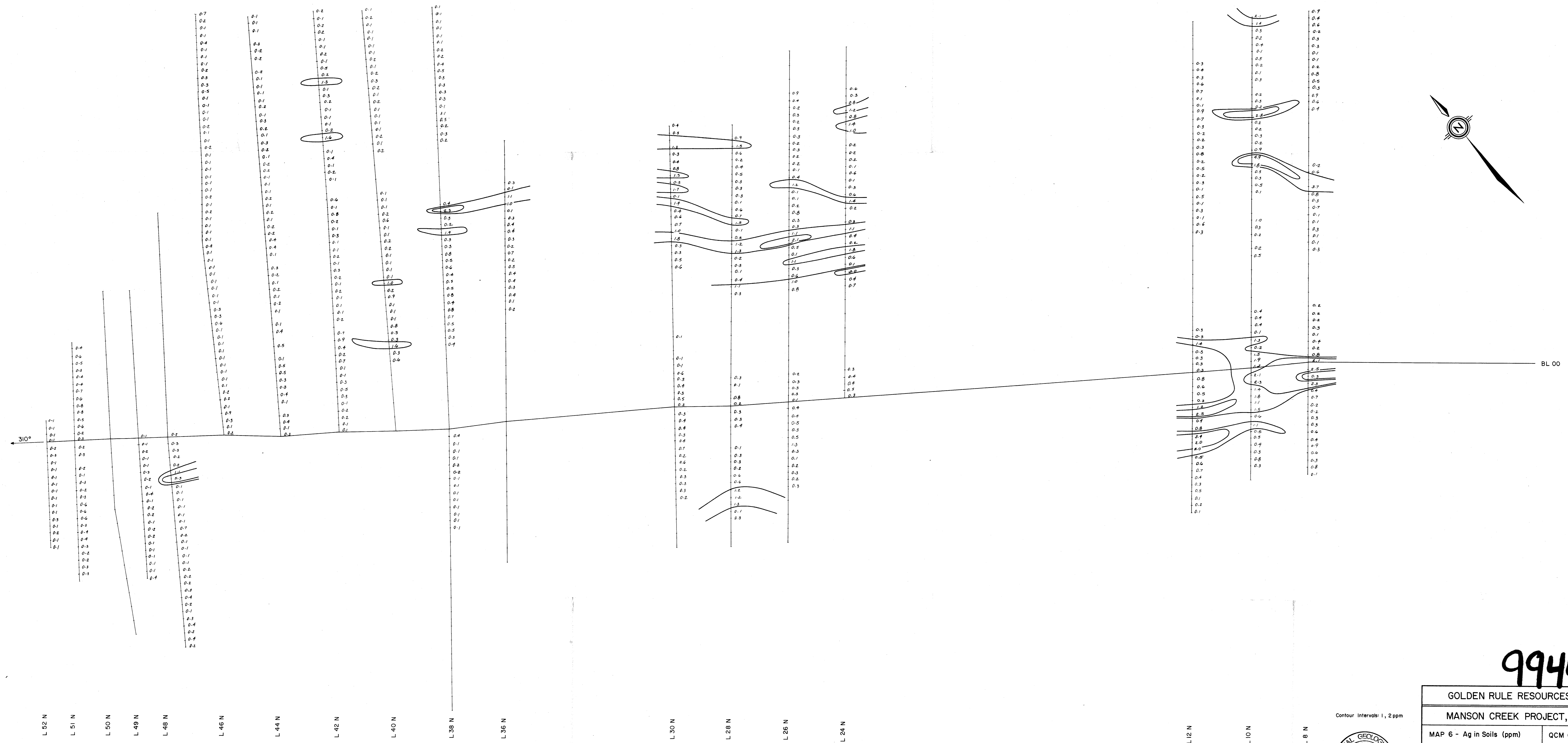
BL 00

9944

Contour intervals: 40, 80 ppb



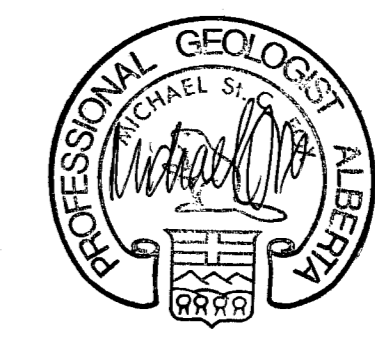
GOLDEN RULE RESOURCES LTD.	
MANSON CREEK PROJECT, B.C.	
MAP 5 - Au in Soils (ppb)	QCM CLAIMS
PROJECT GR-BC-5	NTS 93 N/9W,10E
SCALE 1:5000	0 50 100 200 250 METRES
TAIGA CONSULTANTS LTD.	
December, 1991	

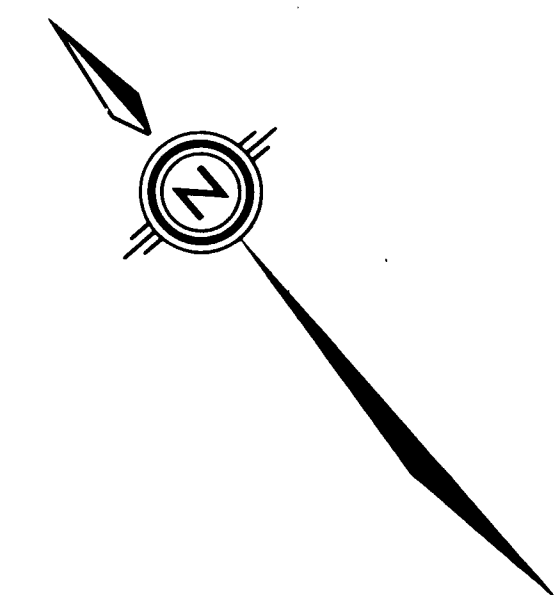
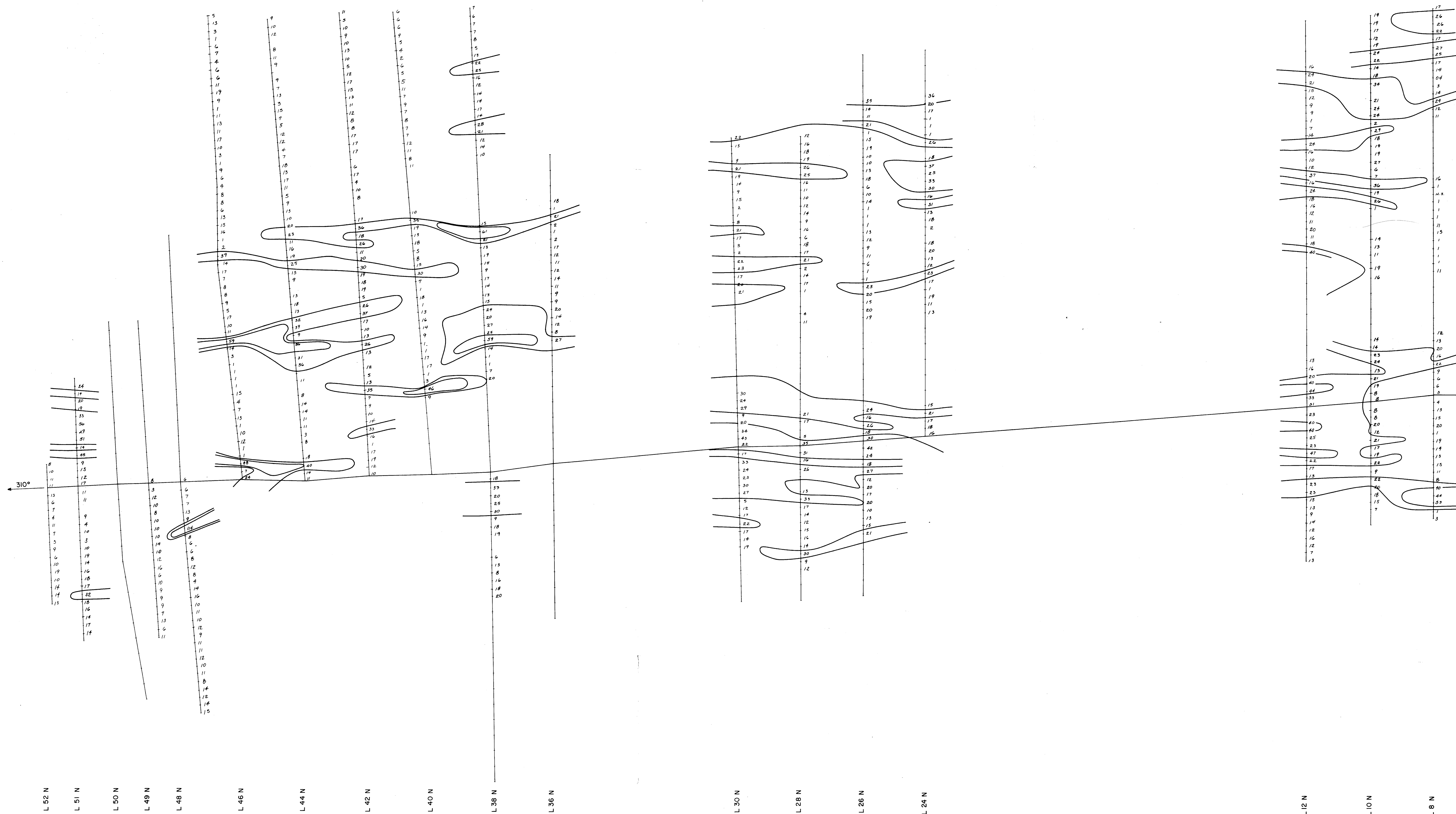


9944

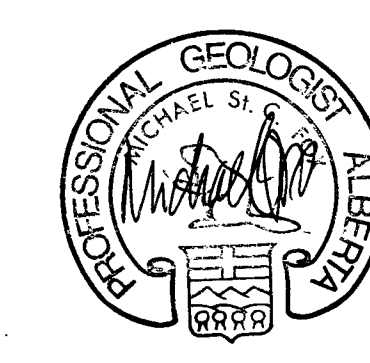
GOLDEN RULE RESOURCES LTD.	
MANSON CREEK PROJECT, B.C.	
MAP 6 - Ag in Soils (ppm)	QCM CLAIMS
PROJECT GR-BC-5	NTS 93 N/9W,10E
SCALE 1:5000	0 50 100 200 300 METRES
TAIGA CONSULTANTS LTD.	

Contour Intervals: 1, 2 ppm





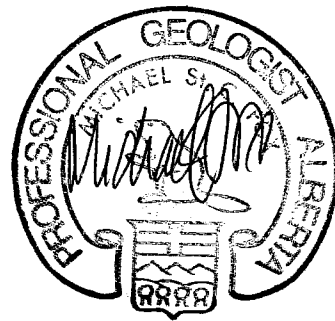
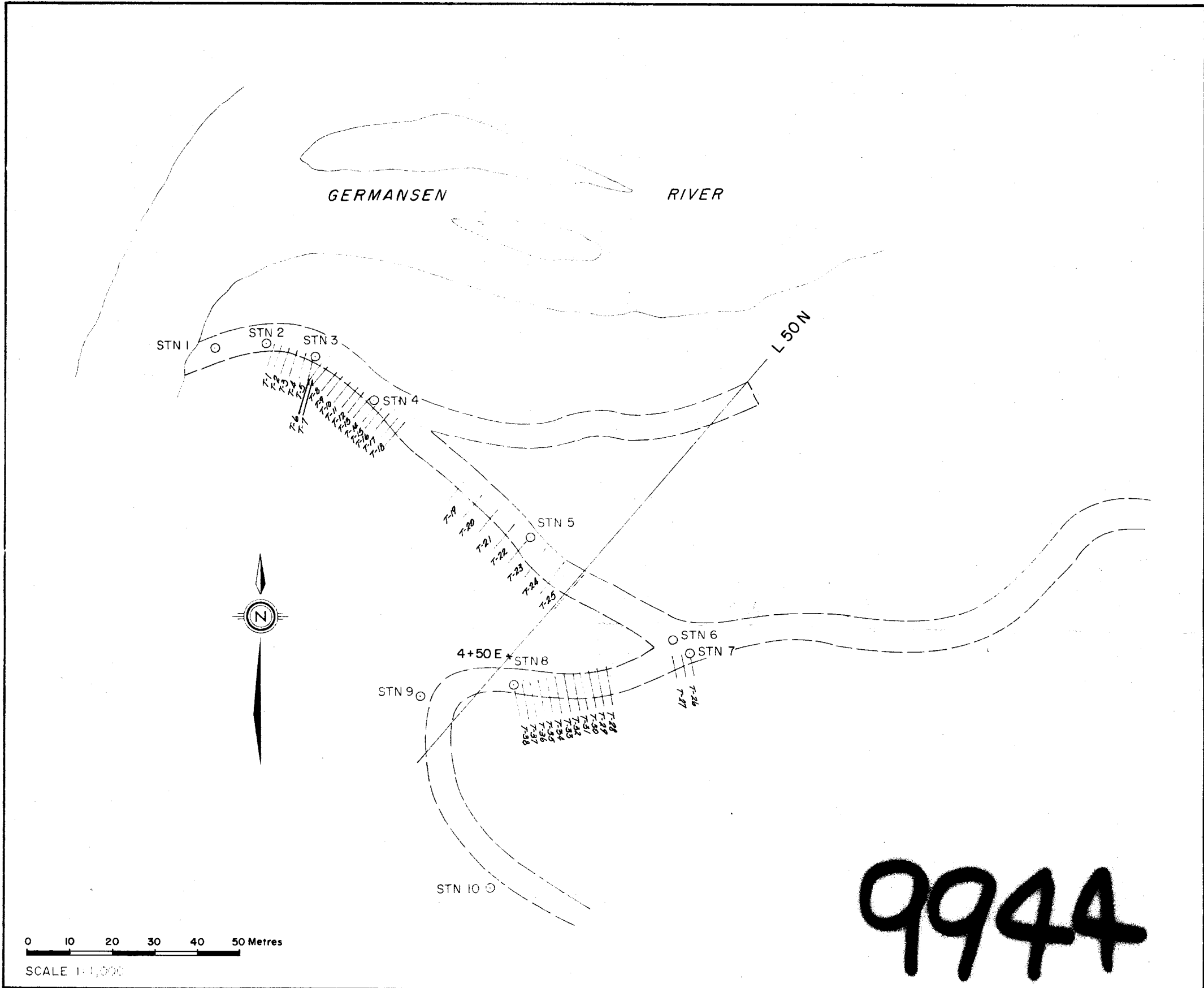
BL 00



Contour Intervals: 20, 40 ppm

9944

GOLDEN RULE RESOURCES LTD.	
MANSON CREEK PROJECT, B. C.	
MAP 7 - As in Soils (ppm)	QCM CLAIMS
PROJECT GR-BC-5	NTS 93 N/9W, IOE
SCALE 1:5000	0 50 100 150 200 250 METRES
TAIGA CONSULTANTS LTD.	
December, 1981	

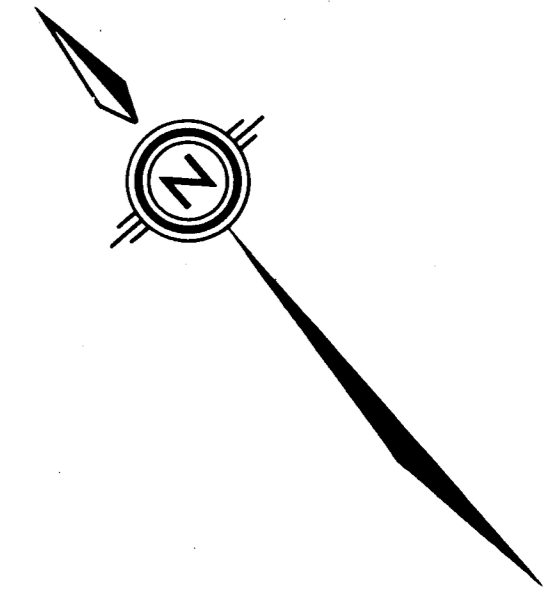
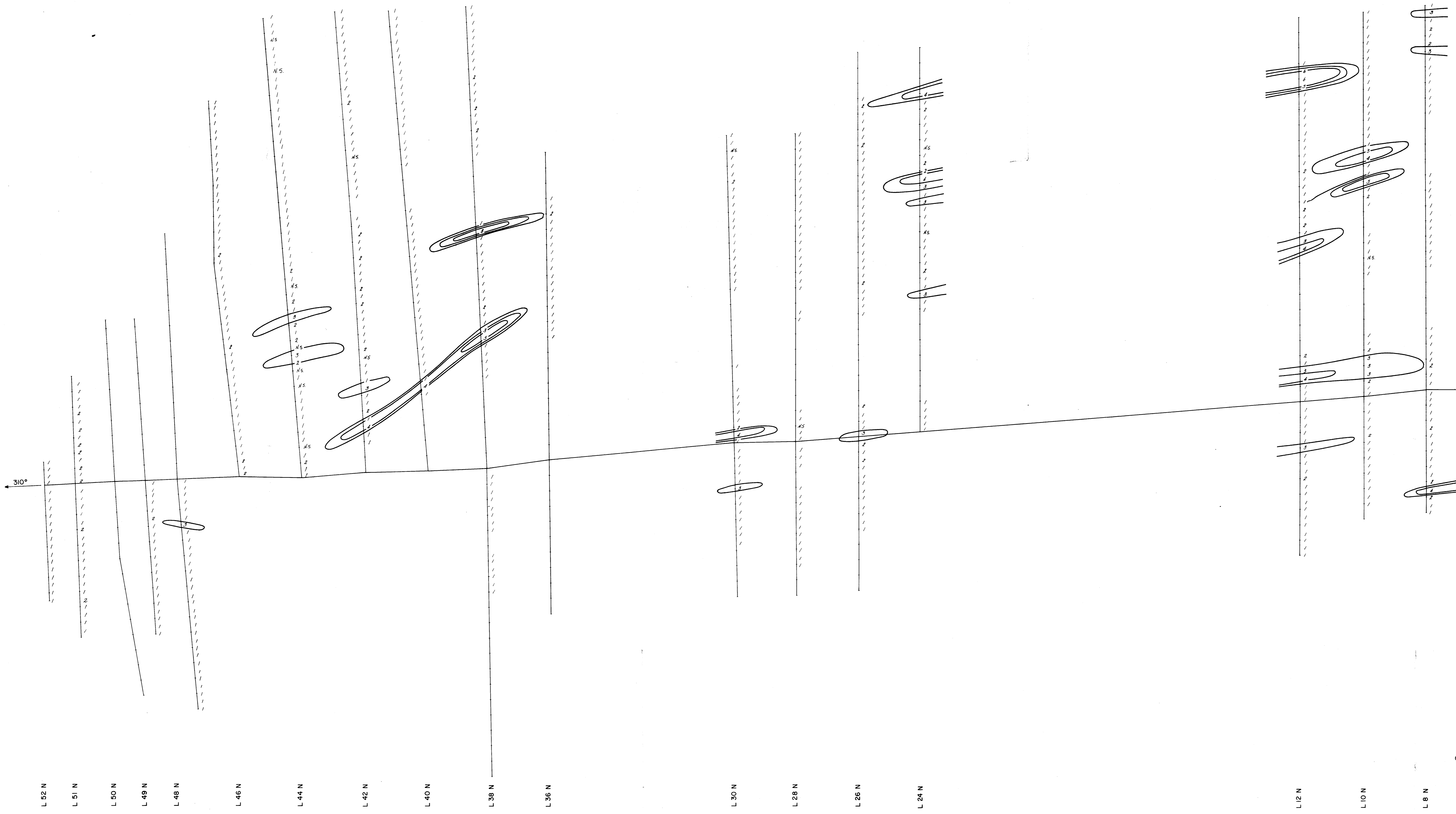


GOLDEN RULE RESOURCES LTD.

MANSON CREEK PROJECT, B.C.
MAP 4a
LOCATION OF TRENCH SAMPLES
FLAGSTAFF - MOTHERLODE

TAIGA CONSULTANTS LTD.

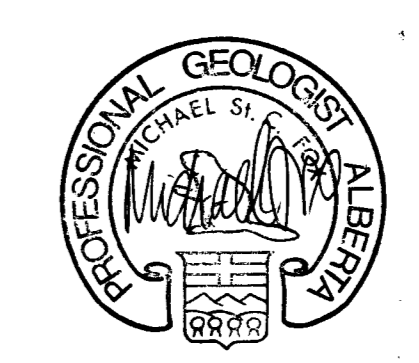
December, 1981



BL 00

9944

Contour Intervals:
2.5, 3.5, 4.5 ppm



GOLDEN RULE RESOURCES LTD.	
MANSON CREEK PROJECT, B. C.	
MAP 8 - Sb in Soils (ppm)	QCM CLAIMS
PROJECT GR-BC-5	NTS 93 N/9W,10E
SCALE 1:5000	0 50 100 150 200 250 METRES
TAIGA CONSULTANTS LTD.	
December, 1991	