83-#58-#11061

G SOUTH PROPERTY

CARIBOO MINING DIVISION

GEOLOGY, GEOPHYSICS AND GEOCHEMISTRY

N.T.S. 93G/1W, 7E, 8W

December, 1982

J.C. Ridley, B.Sc.
A.Troup, P. Eng.

CLAIMS

AREA	GROUP NAME	CLAIM NAME	RECORD NUMBER	ANNIVERSARY DATE
Ahbau Creek	Norm	G 28	3235	March 13
		G 33	3240	March 16
	Ahbau	G 30	3237	March 16
		G 31	3238	March 13
	Gene	G 32	3239	March 13
Government Creek	Buck	G 43	4082	August 19
		G 48	4022	September 23

Location: Ahbau Creek Area 53°10'W, 122°21'N
Government Creek Area 53°28'W, 122°32'N

Owner: Gabriel Resources Inc.

Operator: Gabriel Resources Inc.

Consultant: A.G. Troup, P.Eng., Archean Engineering Ltd.

Project Geologist: J.C. Ridley, B.Sc., Mark Management Ltd.

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SUMMARY

The G South property is comprised of several lode and placer gold prospects located approximately 40 km northeast of Quesnel, B.C. The property includes three blocks of mineral claims totalling 804 units and 15 placer leases.

In 1982 Gabriel Resources Inc. of Vancouver, B.C. carried out follow up geological mapping, geophysics and geochemistry on the Government Creek and Ahbau Creek mineral claim blocks.

The results of work in the Government Creek area suggest that pyritized quartz veins and carbonatized intrusives with pyrite mineralization may be a source of alluvial gold found on Government Creek.

In the Ahbau Creek area gold anomalies in the soil over VLF conductors suggest that mineralized shear zones may be the source of alluvial gold found in this area.

The trend of anomalous gold over VLF conductors on the Cottonwood grid suggests a mineralized shear zone paralleling the creek that bisects claim G 33.

Additional work consisting of detailed geological mapping, geophysical and geochemical surveys, trenching and percussion or diamond-drilling is recommended.

1. INTRODUCTION

This report covers two claim blocks, the Ahbau Creek and the Government Creek blocks, located in central British Columbia. These claims cover several areas that have been gold prospects since the beginning of this century.

The purpose of the 1982 field program was to follow up areas which were indicated as a possible source of gold by result of the 1981 field program. Geological, geophysical and geochemical work was carried out over the property from October 30th to November 12th, 1982, by a crew of four persons worked out of Hixon, B.C. The program was supervised by Mark Management project geologist, J.C. Ridley under the direction of consulting geologist, A.G. Troup of Archean Engineering Ltd.

1.1 Location and Access

The G South property is situated in the Cariboo Mining Division of central British Columbia. It begins 20 km north of Quesnel and extends northwards to 40 km south of Prince George, covering an area of 201 square kilometres.

The Government Creek block contains the northern most claims. This block is centred at 122°32'N, 53°28'W approximately 2 km northeast of Hixon, B.C. Access to this area is by the Hixon Creek Road and the Colebank East Road. The former intersects Highway 97 at the northern edge of the community and the latter intersects Highway 97 some 2 km north of Hixon.

The southern sector of the property contains the Ahbau block, centred at 122°21'N, 53°10'W, approximately 1 km southeast of the community of Ahbau, B.C. Access is by Highway 97 and several gravel roads that follow Ahbau Creek and the Cottonwood River. A railway (B.C.R.) which parallels Highway 97 at this point also provides access.

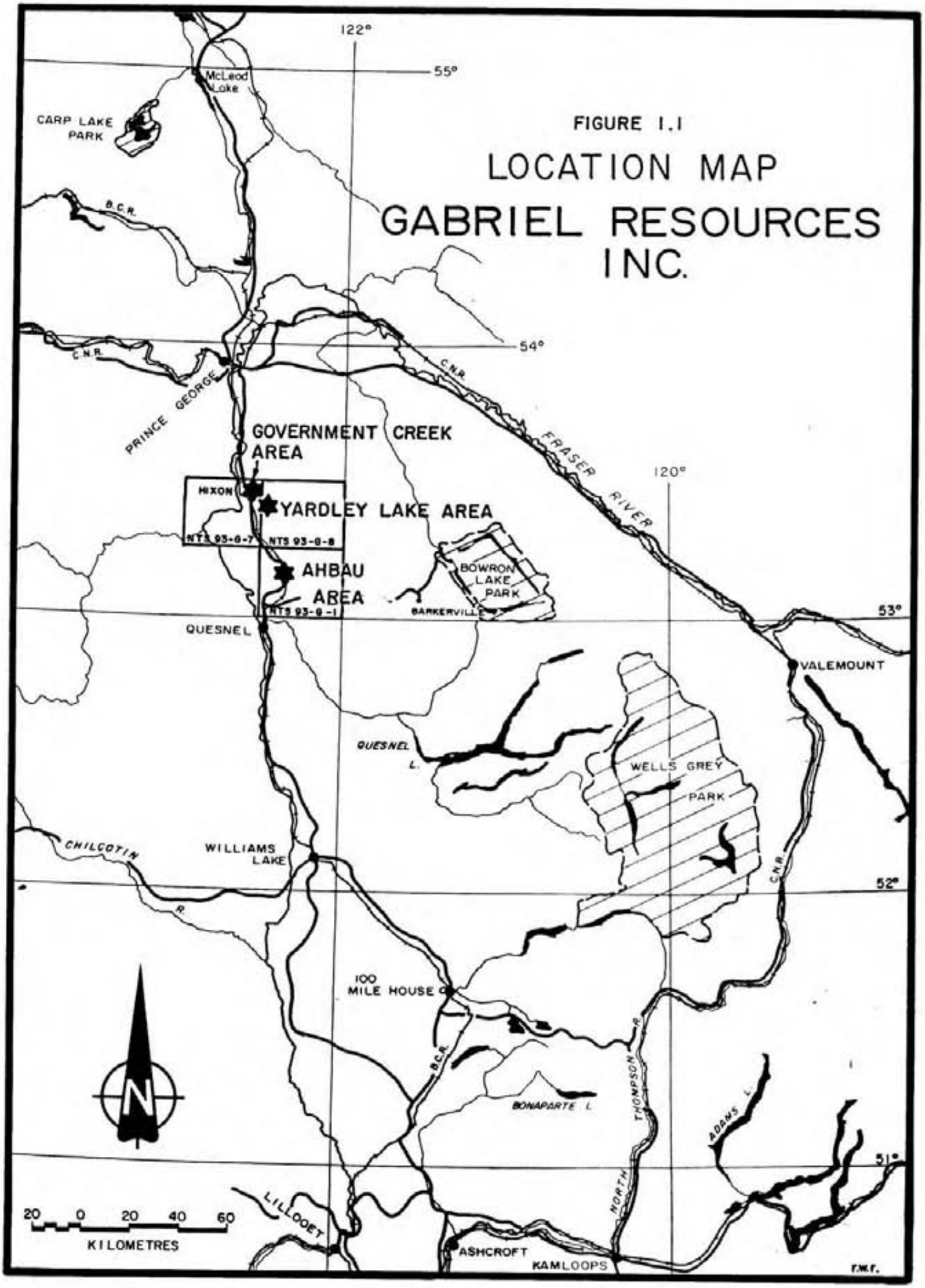
FIGURE 1.1
LOCATION MAP
GABRIEL RESOURCES INC.
122°
55°
54°
53°
52°
51°
120°
McLeod Lake
CARP LAKE PARK
B.C.R.
C.N.R.
PRINCE GEORGE
GOVERNMENT CREEK AREA
HIXON
YARDLEY LAKE AREA
NTS 93-G-7
NTS 93-G-8
AHBAU AREA
NTS 93-G-1
BOWRON LAKE PARK
BARKERVILLE
QUESNEL
FRASER RIVER
VALEMOUNT
QUESNEL L.
WELLS GREY PARK
CHILCOTIN R.
WILLIAMS LAKE
100 MILE HOUSE
BONAPARTE L.
THOMPSON R.
ADAMS L.
NORTH
LILLOOET
ASHCROFT
KAMLOOPS
N
20 0 20 40 60
KILOMETRES
F.M.F.

1.2 Physiography

The G South property is in a fairly moderate climatic zone. Average annual precipitation is 50 to 75 cm. Mean daily temperature in July is 14 to 18 degrees Celsius and in January is -15 to -10 degrees Celsius.

The topography of the property consists predominantly of gently-rolling hills and valleys. Steep canyons occur along Thunder and Hixon Creeks and along the Cottonwood River. Elevations range from 455 m (1500 ft.) to 1220 m (4,000 ft.)

Vegetation over the area is mostly heavy to moderate bush consisting of pine, spruce, tamarack and alder trees. Heavy undergrowth occurs where reforestation has replaced trees removed by logging or forest fires. Where there has been no reforestation there are open areas. Tall grasses and devil's club are found in several large swamps.

Major drainage over the property flows westward into the southward-flowing Fraser River. The Government Creek area is drained by Hixon and Government Creeks and several tributaries. The Ahbau area is drained by Ahbau Creek and the Cottonwood River and all their tributaries.

1.3 Claim Information

The G South property contains 44 modified grid claims, 804 units in total. These are divided into 10 groups (Table 1.3.1, Maps 1.3.1, 1.3.2).

In 1982, Gabriel Resources Inc. worked the Ahbau, Norm and Gene groups in Ahbau area and the Buck group in the Government Creek area.

TABLE 1.3.1
CLAIM STATUS

AREA	GROUP	CLAIM	UNITS	RECORD NO.	EXPIRY
Yardley Lake	Mary	G South	20	3196	12/3/84
		G 1	20	3195	12/3/85
		G 3	20	3210	13/3/84
		G 4	20	3211	13/3/85
		G 7	20	3214	16/3/84
	Naver	G 2	20	3209	13/3/85
		G 5	20	3212	16/3/85
		G 6	20	3213	16/3/84
		G 8	20	3215	16/3/85
		G 39	20	3853	23/7/85
	Creek	G 12	20	3219	16/3/84
		G 15	20	3222	16/3/84
		G 17	10	3224	16/3/85
		G 46	18	4020	23/9/85
	Quartz	G 9	20	3216	16/3/85
		G 10	20	3217	16/3/85
		G 36	14	3637	15/6/85
		G 38	20	3852	23/7/85
	Terry	G 11	20	3218	16/3/84
		G 13	20	3220	13/3/84
		G 14	20	3221	16/3/84
		G 16	20	3223	13/3/84
		G 35	20	3636	15/3/84
Ahbau Creek	Ahbau	G 23	20	3230	16/3/84
		G 24	20	3231	13/3/84
		G 27	20	3234	16/3/84
		G 30	20	3237	16/3/84
		G 31	20	3238	13/3/84
	Norm	G 25	20	3232	13/3/84
		G 28	20	3235	13/3/84
		G 29	20	3236	16/3/84
		G 33	20	3240	16/3/84
		G 34	20	3241	16/3/84
	Gene	G 22	20	3229	16/3/84
		G 26	20	3233	13/3/84
		G 32	20	3239	13/3/84

TABLE 1.3.1, CLAIM STATUS CONTINUED

AREA	GROUP	CLAIM	UNITS	RECORD NO.	EXPIRY
Government Creek	Buck	G 37	20	3798	29/6/84
		G 42	20	4081	19/8/84
		G 43	20	4082	19/8/84
		G 44	6	4083	24/8/84
		G 47	2	4021	23/8/86
		G 48	16	4022	23/8/84
	Hix	G 40	6	4079	19/8/84
		G 41	12	4081	19/8/84

TABLE 1.3.2
PLACER LEASE STATUS

CREEK	LEASE NUMBER	EXPIRY DATE
Naver	PL 5838	5/04/85
	PL 5839	5/04/85
	PL 5840	31/05/85
	PL 5841	31/05/85
	PL 5842	31/05/85
	PL 5843	5/04/85
	PL 5844	5/04/85
	PL 5845	5/04/85
	PL 5846	5/04/85
	PL 5847	5/04/85
	PL 5792	5/04/85
Terry	PL 6410	2/10/85
	PL 6411	2/10/85
	PL 6412	2/10/85
	PL 6413	2/10/85

In addition to the foregoing mineral claims, Gabriel Resources Inc. staked 34 placer leases. Sixteen of these were located on Ahbau Creek, fourteen on Naver Creek and four on Terry Creek (Table 1.3.2). During the 1981 field season five of the fourteen Naver Creek leases were tested for placer potential, using backhoe and a centrifugal washing plant. Six other Naver Creek leases and all four Terry Creek leases were tested by hand dug pits and panning. Results indicated that the leases are not economically feasible for placer mining. The remaining Naver Creek leases and all of the Ahbau Creek leases have been dropped since the original work in these areas indicated less potential than the Naver Creek leases.

1.4 History

Placer gold in the Government Creek area was discovered in the late 1800's and the area has been worked by private companies since then. The Ahbau Creek area was first explored for placer gold in the early 1900's and has been explored for lode gold and copper since 1968.

A reconnaissance heavy mineral concentrate sampling program was carried out over the area by the A. T. Syndicate in 1980. Results of that survey lead to the staking of the present property.

In 1981 Gabriel Resources Inc. worked the claims through an option agreement with the A. T. Syndicate. (See 1981 Assessment Report on the G South property for more details).

1.5 Work by Gabriel Resoures Inc. in 1982.

In 1982 field work by Gabriel Resources Inc. was conducted from October 30 to November 12. During this period the following surveys were completed:

1) Detailed, 1:5,000, geologic mapping and rock chip sampling on Government and Buckley Creeks.

2) Follow-up heavy mineral concentrate sampling on Government and Buckley Creeks.

3) Detailed soil sampling over mineralized quartz veins and intrusives on Government Creek.

4) Extensions of the Ahbau and Cottonwood VLF grids.

5) Soil sampling over VLF conductors on the Ahbau and Cottonwood VLF grids.

6) Geologic mapping and rock chip sampling along the 1982 lines on the Ahbau VLF grid.

2.0 GEOLOGY

2.1 General Geology

The geology of topographic sheet 93G was mapped by Amos Bowman of the Geological Survey of Canada in 1885-6, by H. W. Tipper, also of the G. S. C. in 1961 and was updated in 1974 on Geologic Sheet 93: Geology of the Parsnip River area; Fig.2.1.

The G South property is underlain by the Early Cretaceous Naver Intrusives to the east, the flanking Upper Triassic black phyllites in the centre and the Upper Triassic - Lower Jurassic Takla Group to the west. The plateaus above the Cottonwood River are underlain by tertiary sandstone, slate, conglomerate, diatomite and lignite.

The Naver intrusives consist of quartz monzonite, syenite, monzonite, granodiorite, diorite and aplite dykes. Pyroxenites and serpentinites are also found associated with the intrusives. Some of the instrusive bodies intrude the Takla Group of andesite, basalt, tuff, breccia, conglomerate and argillite. A chlorite or talc schist occurs as an alteration halo where these bodies intrude the andesite or basalt and a phyllite occurs where they intrude the argillite (See 1981 Assessment Report on the G South property for details).
(Maps 2.1.1 to 2.1.4)

2.2 Mineralization

In the Government Creek area pyritized quartz veins up to 45 cm wide occur within the Takla andesite/chlorite schist and argillite/phyllite. Several crosscutting pyritized quartz veins up to 30 cm thick were found in a pyritized carbonatized intrusive. Soil samples taken over these veins contain up to 300 ppb Au. Aplite dykes containing disseminated pyrite also crosscut the Takla Group in this area.

In the Ahbau Creek area, mineralization consisting of pyrite and chalcopyrite occurs as massive sulphide veins in the argillites and andesites of the Takla Group adjacent to several aplite dykes. The aplite dykes themselves contain disseminated pyrite mineralization. In this area soil samples taken over Fe stained, pyritized andesite assayed up to 2950 ppb Au.

TERTIARY

MPs — *sandstone, shale, conglomerate, diatomite, lignite*

EARLY CRETACEOUS (in whole or in part)

EKg — NAVER INTRUSIONS: *quartz monzonite, syenite, monzonite, granodiorite, diorite*

EKgd — *granodiorite, quartz diorite, minor granite, syenite, gabbro, pyroxenite*

UPPER TRIASSIC AND LOWER JURASSIC

TJT — TAKLA GROUP: *andesite, basalt, tuff, breccia, conglomerate, greywacke, shale, limestone*

TJv — *andesite, basalt, tuff, breccia, minor sediments*

TRIASSIC

uTp — *black phyllite, siltstone, limestone, quartzite*

HADRYNIAN AND PALEOZOIC

Hk — KAZA GROUP: *sandstone, conglomerate, grit, phyllite, schist, amphibolite, marble, gneiss*

after GSC MAP 1424A

Gabriel Resources Inc.

GOVERNMENT CK.; YARDLEY LK. & AHBAU PROPERTIES

CARIBOO M.D.-B.C.
NTS 93-G-7&8

REGIONAL GEOLOGY

J.C.R. n.w.r. FEB. 7/82 FIG. 2.1

3. GEOCHEMISTRY

3.1 Heavy Mineral Concentrate Sampling

3.1.1 Sampling, Sample Preparation and Analytical Procedures

Three heavy mineral concentrate samples were taken on Government and Buckley Creeks to investigate suspected areas of mineralization.

To ensure truly representative results 50 to 100 kg samples were taken at each site. These samples were wet sieved to minus ten mesh, the coarse fraction discarded and the remaining fine fraction panned to approximately 0.5 kg. The concentrates were placed in numbered kraft envelopes and sent to Chemex Labs Ltd. in North Vancouver for analysis.

In the laboratory the samples were further concentrated by heavy liquid separation and magnetic mineral separation. The non-magnetic fraction was pulverized to minus 200 mesh and analysed for Au, Ag, Cu, Pb, Zn and W by atomic absorption.

3.1.2 Treatment and Presentation of Results

In assessing the geochemical results, threshold and anomalous values calculated from the 1981 data were used because there was not enough new data to be statistically representative. Values for mean, threshold and anomalous levels in metals are given in table 3.1.2.

Sample locations and analytical results are shown on Maps 3.1.2.1 to 3.1.2.7.

3.1.3 Discussion of Results

Au content is anomalous in sample GB 1011 but it is low compared to the 1981 Government Creek results. The Cu level is highly anomalous in sample GB 1012. Both Pb and Ag contents are consistently anomalous in all three samples. Zn is highly anomalous in GB 1012.

TABLE 3.1.2

MEAN, THRESHOLD AND ANOMALOUS METAL VALUES
IN HEAVY MINERAL CONCENTRATE SAMPLES
FROM STREAMS ON THE G SOUTH PROPERTY

METAL	N	MEAN (x)	THRESHOLD (x+2s)	ANOMALOUS (x+3)
Au	134	11.3 ppb	770 ppb	6400 ppb
Ag	140	.11 ppm	1.8 ppm	7.6 ppm
Pb	140	4.5 ppm	17 ppm	32 ppm
Zn	140	50 ppm	122 ppm	190 ppm
Cu	140	14.2 ppm	42 ppm	119 ppm
W	139	5.25 ppm	60 ppm	125 ppm

3.2 Soil Sampling

3.2.1 Sampling, Sample Preparation and Analytical Procedures

In the Government Creek area soil samples were taken at 5 metre intervals over mineralized or otherwise altered outcrops.

In the Ahbau Creek area soil samples were taken at 25 metre intervals over several VLF conductors. On the Ahbau grid samples were taken from 39 to 60 E along lines, 44, 46, 48, 50 and 68, from 40 to 80 E along lines 60,62 and 64 N and from 27 to 60 E along line 66 N. On the Cottonwood grid sampling was carried out from 95 to 115 E along lines 100 and 104 N and from 104 to 115 E and along lines 108 and 112 N.

All soil samples were collected from the 'B' soil horizon with the aid of a lightweight mattock and were sent to Chemex Labs Ltd. in North Vancouver for analysis.

In the laboratory, samples were oven dried at approximately 60 C. The dried samples were sieved to minus 80 mesh and the coarse fraction was analysed for the elements Au and Sb by atomic absorption after digestion with hot concentrated nitric and hydrochloric acids.

3.2.2 Treatment and Presentation of Results

In assessing the soil geochemical results, graphical statistical methods were used to separate background from anomalous metal concentration. Threshold and anomalous levels were determined at the mean plus two standard deviations (x+2s) and the mean plus three standard deviations (x+3s), respectively, from log probability plots prepared for each element. This data is given in Table 3.2.2.

Sample locations and analytical results are shown on Maps 3.2.2.1 to 3.2.2.3. Results for both elements have been contoured at threshold (x+2s) and anomalous (x+3s) levels.

TABLE 3.2.2

MEAN, THRESHOLD AND ANOMALOUS
METAL VALUES IN 'B' HORIZON
SOIL SAMPLES FROM THE G SOUTH PROPERTY

METAL	N	MEAN (x)	THRESHOLD (x+2s)	ANOMALOUS (x+3s)
Au	465		9.50 ppb	18.0 ppb
Sb	465	0.42 ppm	1.35 ppm	1.9 ppm

3.2.3 Discussion of Results

In the Government Creek area several anomalous Au values occur over pyritized quartz veins that cut a carbonatized, pyritized intrusive. In the same area several Au values near threshold occur over a carbonatized andesite and an Fe stained quartz vein. Anomalous Sb values occur with the anomalous Au values but the highest Sb values do not correlate with the highest Au values. (Map 3.2.3.1)

Two series of highly anomalous Au values, up to 2950 ppb, occur over the Ahbau grid. One zone is on line 46 N from 51 + 75 E to 53 + 75 E. The other occurs on line 64 N from 51 E to 51 + 50 E. The two anomalous zones overlie VLF conductors on strike with each other. Both anomalies coincide with Fe stained andesite but in the northern zone an aplite dyke is seen cutting the andesite. Other areas with anomalous Au values often occur over the same rock types. Sb does not appear to correlate well with Au in this area. (Map 3.2.3.2)

On the Cottonwood grid one highly anomalous Au value and several weaker but anomalous values occur over a north trending conductor that parallels the creek which bisects the grid (Map 3.2.3.3)

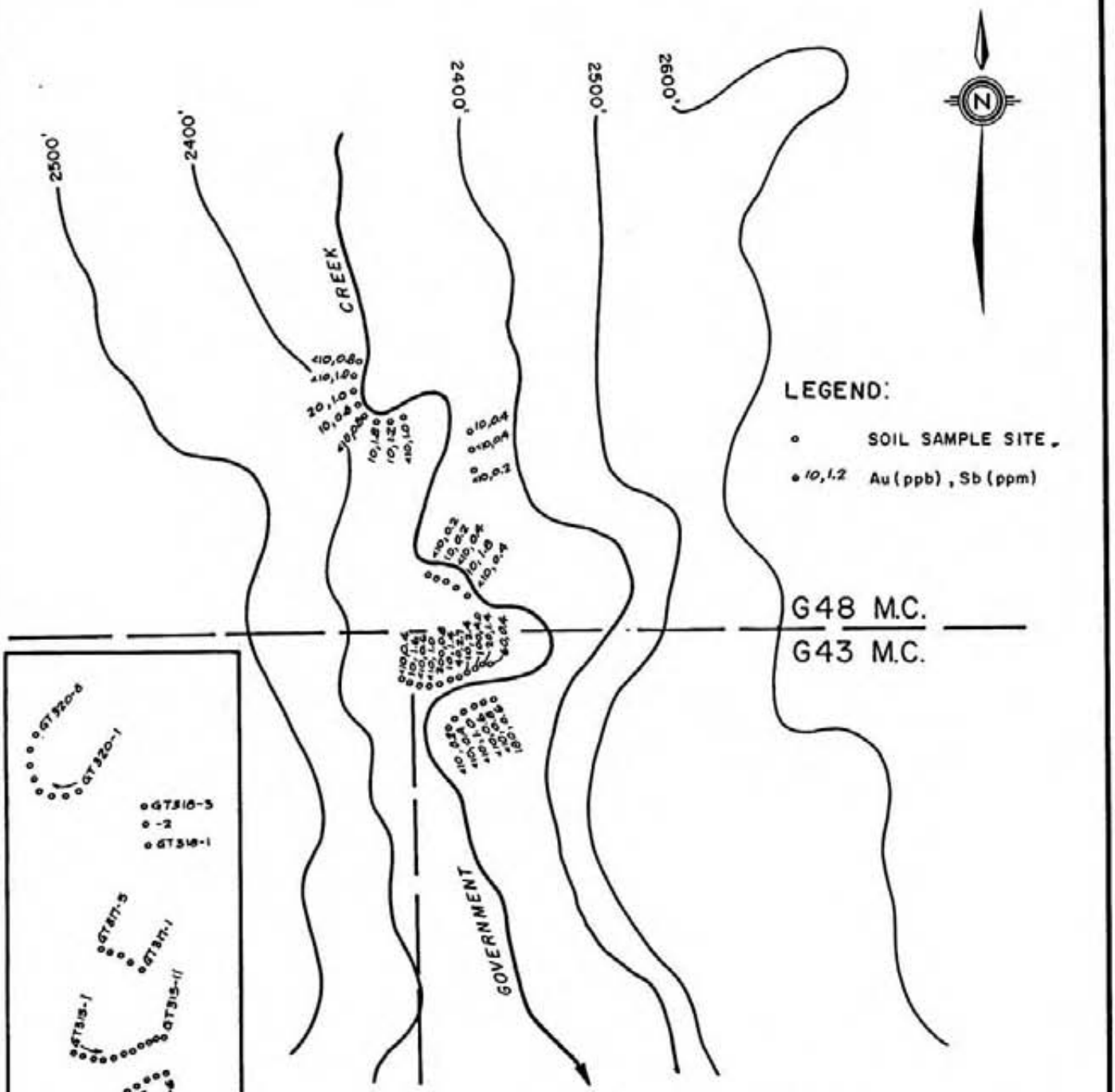

FIGURE 3.2.3.2
SOIL SAMPLE RESULTS

FIGURE 3.2.3.1
SAMPLE LOCATION MAP
SCALE 1:5,000

GABRIEL RESOURCES INC.

GOVERNMENT CREEK PROPERTY
G48 & G43 M.C.; CARIBOO M.D.-B.C.

GEOCHEMICAL SURVEY
GOLD & ANTIMONY SOIL RESULTS

NTS 93-G-7,8 SCALE 1:5,000
DATE. JAN,1983 JCR/r.w.r

3.3 Rock Chip Sampling

3.3.1 Sampling, Sample Preparation and Analytical Procedures

Rock chip samples were collected from all outcrops with visible mineralization or boxwork and from all quartz veins and aplite dykes.

Chip samples were taken at regular intervals (according to the size of the unit) across the width of the unit. Narrow veins were sampled by taking a number of chip samples along strike. The samples were placed in numbered plastic bags and sent to Chemex Labs Ltd. in North Vancouver for analysis.

In the laboratory, samples were put through primary and secondary jaw crushers and a tertiary cone crusher. A sub-sample of approximately 250 gm was then pulverized in a rotary pulverizer. Pulp for precious metal analysis was screened to minus 100 mesh and examined for 'metallics'. The pulp was then fire assayed. All samples were assayed for Au.

3.3.2 Treatment and Presentation of Results

The usual graphical statistical methods of analysing geochemical data were not used for rock chip samples because there was so little range in values.

3.3.3 Discussion of Results

Au content ranged from .003 to .006 oz/ton in rock samples from the G South property (Maps 3.3.3.1 to 3.3.3.4).

4. GEOPHYSICS

4.1 VLF-EM Survey

4.1.1 Instrument and Survey Techniques

Two Geonics EM-16 units were used to carry out follow-up VLF-EM lines over the Cottonwood and Ahbau grids. The 24.8kHz Seattle, Washington submarine transmitting station was used throughout the survey with in-phase quadrature readings taken in a westerly direction (250° Ahbau, 280° Cottonwood) to insure that south dips would be indicated as negative readings by the instrument. The in-phase dip angle readings were later converted by means of the Fraser filtering techniques (Fraser, 1969) to data which could be contoured. In all cases readings were taken at 25 m intervals along 200 m or 400 m spaced east-west lines.

The Ahbau VLF grid was extended along lines 62 and 64N from 60 to 80 E, line 66 N from 27 to 40 E, line 70 N from 32 + 50 to 40 E and line 74 N from 20 to 40 E. The Cottonwood grid was extended to the south along lines 100 and 104 N from 95 to 115 E and lines 108 and 112 N from 104 to 115 E. The total line kilometres run were 15.5.

4.1.2 Presentation and Discussion of Results

The results of the VLF surveys are shown on Maps 4.1.2.1 and 4.1.2.2. (Scale 1:5,000). These maps give the in-phase dip angle and filtered dip angle results (Fraser, 1969)with the filtered data contoured at a 10% contour interval.

The northeastern extension of the Ahbau grid showed most of the previously outlined conductors to extend northward. The survey also detected several additional weak conductors. Anomalous Au values in soils occur over the conductors located at the centre of claim G 32 especially along line 60 N. Silicified andesite tuff is the only exposed rock in this vicinity.

The northwestern extension of the Ahbau grid outlined two strong and three weak north-south trending conductors. The strongest one, fraser filter + 145, is centred at 38 E on line 66 N and 37 + 50 E at 70 N. Soil samples over this conductor on line 66 N contained only background Au concentrations.

The Cottonwood VLF lines show that conductors adjacent to and east of the creek get weaker towards the south and conductors west of the creek get stronger towards the south. In this area anomalous Au values in soils occur along a linear feature that follows the creek and its trend to the south.

6. CONCLUSIONS

The results of the present program may be summarized as follows:

1. In the Government Creek area anomalous Au values in soil were found in an area where intrusive rocks have intruded the Takla group. The entire package has subsequently been carbonatized, sheared, silicified and pyritized. This suggests that the gold found in this area has been mobilized by the fluids associated with the intrusives and precipitated by a change in solution chemistry; as the liquids passed through rocks with which they were not in equilibrium. This offers an obvious exploration target: geologic contacts, especially those involving intrusives.

2. In the Ahbau Creek area several zones of anomalous Au values in soils occur over north-north-east trending VLF conductors that parallel massive sulphide veins and pyritized aplite dykes. This suggests that the source of gold in the area may be mineralized shear zones. Future work should initially be concentrated over these areas.

3. There are several north-south trending VLF conductors on the Cottonwood grid. However, the only soil anomalies for Au occur around or on trend with the creek bisecting the grid. Several VLF conductors run parallel to this creek suggesting that it may follow a mineralized shear zone. Future work should investigate this possibility.

Respectfully Submitted

A.G. Troup, P.Eng.

J.C. Ridley, B.Sc.

7. RECOMMENDATIONS

A. Over the Government Creek area:

1. Detailed geologic mapping and prospecting.
2. Soil sampling over mineralized outcrops.
3. Overburden drilling and deep soil sampling where there is no outcrop (i.e., on the plateaus).

B. In the Ahbau area:

1. Detailed soil sampling and rock chip sampling over the monzonite dykes and massive sulphides.
2. Detailed soil sampling along grid lines over the entire claim block, at depth where overburden is greater than 2 metres.
3. Extension of the VLF grid to cover the entire claim block where overburden is less than 30 metres in depth.

C. Trenching, percussion and diamond drilling of areas where anomalous soil samples and rock chip samples coincide with VLF conductors.

References

Fraser, D.C. 1969	Contouring of VLF-EM Data Geophysics v.34,No.6,pp.958-967.
Ridley, J.C. and Troup, A.G. 1982	G South Property - Assessment Report - Geology, Geochemistry Geophysics and Physical.

COSTS STATEMENT
G SOUTH CLAIMS
GEOLOGY, GEOPHYSICS, and GEOCHEMISTRY
30 October - 20 December 1982

GENERAL COSTS

FOOD AND ACCOMMODATION		
5 Pers., 30 Oct - 20 Dec, 50 Man days @ $33.28		$ 1,664.00
RENTAL EQUIPMENT		
Mark Mgmt 4WD Bronco, 30 Oct - 12 Nov, 14 days @ $40	$560.00	
2318 km @ $0.15	347.70	
Gabriel Field Equipment, 50 Man days @ $6	300.00	1,207.70
HELICOPTER		
Northern Mountain, 10 - 11 Nov, 1.4 hrs @ $500.60		700.84
FIXED WING		
CP Air, 30 Oct - 20 Dec, 2 Vcr-PGeo Rtn @ $239.75		479.50
SUPPLIES		194.96
FUEL		154.59
REPAIRS		495.20
CONSULTANT		
Archean Engineering		675.00
REPORT PREPARATION		3,889.29
TOTAL GENERAL COSTS		$ 9,461.08

GEOLOGY COSTS

SALARIES AND WAGES	
4 Pers., 14 Man days @ $82.04	$ 1,148.56
BENEFITS @ 20%	229.71
CONSULTANT	
Archean Engineering, 4 days @ $225	900.00
GENERAL COSTS APPORTIONED	
14/46 Man days X $9,461.08	2,879.46
TOTAL GEOLOGY COSTS	$ 5,157.73

GEOPHYSICS COSTS

SALARIES AND WAGES		
4 Pers., 13 Man days @ $82.04		$ 1,066.52
BENEFITS @ 20%		213.30
RENTAL EQUIPMENT		
Gabriel EM-16 VLF, 14 days @ $25	$350.00	
Dora EM-16 VLF, 14 days @ $25	350.00	
CP Air Shipment	16.00	716.00
GENERAL COSTS APPORTIONED		
13/46 Man days X $9,461.08		2,673.78
TOTAL GEOPHYSICS COSTS		$ 4,669.60

GEOCHEMISTRY COSTS

SALARIES AND WAGES		
4 Pers., 23 Man days @ $82.04		$ 1,886.92
BENEFITS @ 20%		377.84
GEOCHEMICAL ASSAYS and ANALYSES		
Chemex Labs 464 Soils for AU,SB @ $9.35	$4,338.40	
34 Soils for AU Checks @ $5	170.00	
3 HMC for CU,PB,ZN,AG,AU,W @ $26.90	80.70	
39 Rocks assayed for AU @ $10.75	49.60	5,057.95
GENERAL COSTS APPORTIONED		
23/46 Man days X $9,461.08		4,730.54
TOTAL GEOCHEMISTRY COSTS		$12,053.25

COSTS APPORTIONED TO CLAIMS

CLAIM	GEOLOGY	GEOPHYSICS	GEOCHEMISTRY	TOTAL
G 28	$	$	$ 1,860.52	$ 1,860.52
G 30			1,860.52	1,860.52
G 31	547.42	1,556.53	2,140.06	4,244.01
G 32	547.42	1,556.53	2,140.06	4,244.01
G 33		1,556.53	2,140.06	3,696.60
G 43	2,090.49			2,090.49
G 48	1,972.40		1,912.03	3,884.43
	$5,157.73	$4,669.60	$12,053.25	$21,880.58

STATEMENT OF QUALIFICATIONS

J.C. RIDLEY, B.SC.

Academic

1978	B.A. Geography	University of Western Ontario
1981	B.Sc. Geology	University of British Columbia

Practical

1981 - Present	Mark Management Ltd. Vancouver, B.C.	Project Geologist. Involved with geological, geochemical and geophysical aspects of precious metals exploration in B.C.
1980 - 1981	Utah Mines Vancouver, B.C.	Temporary Summer and part-time Winter Geologist in Charge of mapping and diamond drilling of a coal property in N.E. B.C. logging of rotary drilling chip samples on another coal property in N.E. B.C.
1979	Utah Mines Vancouver, B.C.	Temporary Summer. Reconnaissance and detailed mapping, logging of diamond drill core on coal properties in N.E. B.C.

STATEMENT OF QUALIFICATIONS

A. TROUP, P.ENG.

ACADEMIC

1967	B.Sc. Geology	McMaster University, Ontario
1969	M.Sc. Geochemistry	McMaster University, Ontario

PRACTICAL

1981 -	#45-4100 Salish Dr. Vancouver, B.C.	Consulting Geologist with Archean Engineering Ltd.
1977 - 1980	Geological Survey of Malaysia	Project Manager on a CIDA supported mineral exploration survey over peninsular Malaysia.
1969 - 1977	Rio Tinto Canadian Exploration Ltd. Vancouver, B.C.	Geologist involved in all aspects of mineral exploration in B.C., the Yukon and N.W.T.
1968	McMaster University Dept. of Geology Hamilton, Ontario	M.Sc. thesis work. Reconnaissance mapping and geochemical study, Lake Shubenicadia area, Nova Scotia.
1967 (summer)	Canex Aerial Exploration Ltd. Toronto, Ontario	Geologist in charge of detailed mapping and reconnaissance geochemical program in Gaspe, Quebec
1966 (summer)	Mcmaster University Dept. of Geology Hamilton, Ontario	Detailed and reconnaissance mapping in Northern Ontario.
1965 (summer)	International Nickel Co. of Canada Thompson, Manitoba	Detailed mapping in the Thompson area, Manitoba.
1964 (summer)	Geological Survey of Canada Ottawa, Ontario	Regional geochemical survey in the Keno Hill area, Yukon.

122° 30'

53° 30'

122° 15'

53° 15'

GOVERNMENT CREEK

VLF-EM GRID

NAVER

PULP HARVESTING

FOREST

HIXON CREEK VLF-EM GRID

YARDLEY LAKE PROPERTY

PROVINCIAL FOREST

VLF-EM GRID

G SOUTH

EQ

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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LEGEND

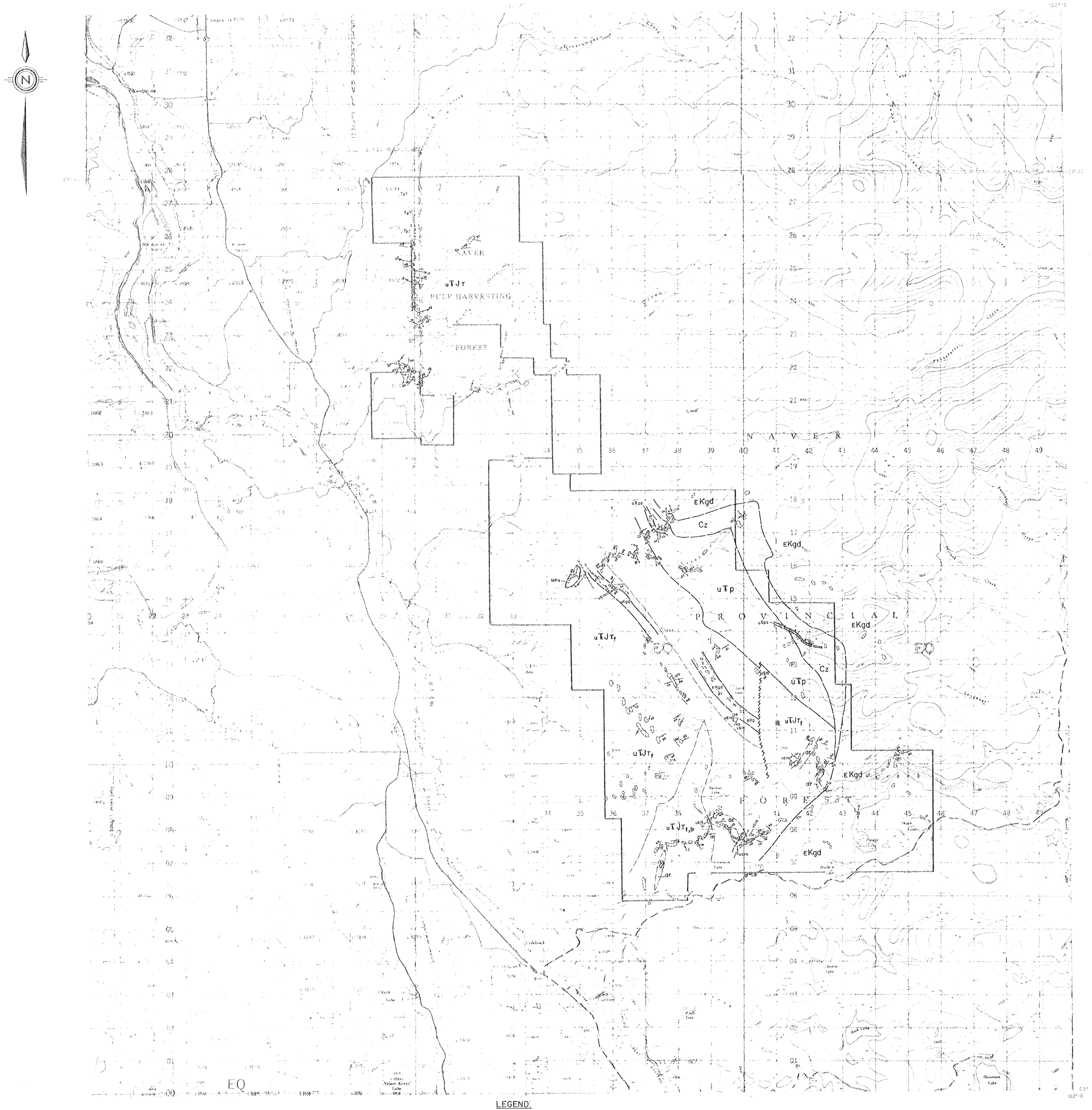
Placer lease

GABRIEL RESOURCES INC.
GOVERNMENT CK. & YARDLEY LK. PROPERTIES
G SOUTH & G CLAIMS - CARIBOO M.D. - B.C.

CLAIM MAP

KM 1 0 1 2 3 4
1:50,000

DATE Feb. 1983
NTS 93-G-7&8 J.C.R./rwr MA. 1.3.1



GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,061

ROCK TYPES

f , t , bc	ANDESITE-FLOW, TUFF, BRECCIA
ar	ARGILLITE
ch	CHERTS (mostly beddad)
c	CONGLOMERATES
gd, m	GRANODIORITE , MONZONITE
g , apl.	GRANITE , APLITE
um	PYROXINITE - SERPENTINITE
qtz.	QUARTZ (veins and pods)
csch, msch, tsch	SCHIST - CHLORITE, MICA, TALC
sist - mdst	SILTSTONE - MUDSTONE
Ps	PLEISTOCENE SEDIMENTS
gs	GRANITIZED SEDIMENTS
cb	CARBONATIZED
T_g	TERTIARY GRAVEL

LEGEND:

TERTIARY

MPs — SANDSTONE, SHALE, CONGLOMERATE, DIATOMITE, LIGNITE

EARLY CRETACEOUS - Naver Intrusions

EKgd — QTZ. MONZONITE, GRANODIORITE, QTZ DIORITE, MINOR GRANITE, SYENITE, GABBRO, PYROXENITE.

Cz — CONTACT METAMORPHIC ZONE - MICA SCHIST, GRANITIZED SEDIMENTS

UPPER TRIASSIC - LOWER JURASSIC

uTJT — Takla Group ANDESITE, (b) BASALT, (f) FLOW (t) TUFF, (bc) BRECCIA, (c) CONGLOMERATE, GREYWACKE, (ar) ARGILLITE, LIMESTONE.

UPPER TRIASSIC

uTp — BLACK PHYLLITE , SILTSTONE, LIMESTONE, QUARTZITE; SERPENTINIZED PERIDOTITE & SERPENTINITE (uTps)

- JOINTS strike & dip (inclined, vertical)
- BEDDING " " (" , ")
- FOLIATION strike & dip
- FRACTURE " "
- CLEAVAGE " "
- FOLD AXIS & PLUNGE
- FAULT ZONE
- SHEAR ZONE
- F FLOAT

GABRIEL RESOURCES INC.

GOVERNMENT CK & YARDLEY LK. PROPERTIES

G SOUTH & G CLAIMS - CARIBOO M.D. - B.C.

REGIONAL GEOLOGICAL MAP

KM 0 1 2 3 4

1:50,000

DATE FEB. 7/82

NTS 93-G-7 & 8

J.C.R./rwr

MAP 2.1.1

L 74 N

20E 25E 30E 35E 40E

NOTE THIS MAP JOINS THE N.W. CORNER OF MAP 3.2.3.2

L 70 N

35E 40E

Main Dirt Road

L 66 N

0.4 <10 0.2 <10 0.2 <10 0.4 <10 0.2 <10 0.2 <10 0.2 <10 0.4 <10

30E 35E

0.2 <10 0.4 <10 0.6 <10 0.2 <10 1.0 <10 0.4 <10

40E

Old Logging Road

LEGEND:

- SOIL SAMPLE LOCATION
- 0.2 <10 — GOLD VALUE IN ppb / ANTIMONY VALUE IN ppm

GABRIEL RESOURCES INC.

AHBAU PROPERTY
G CLAIMS - CARIBOO M.D. - B.C.

GEOCHEMICAL SURVEY
(Au & Sb)

100 0 100 200 300 400

1:5,000

DATE JAN., 1983
NTS 93-G-1

J.C. Ridley
JCR / r.w.r.

MAP 3.2.2.1

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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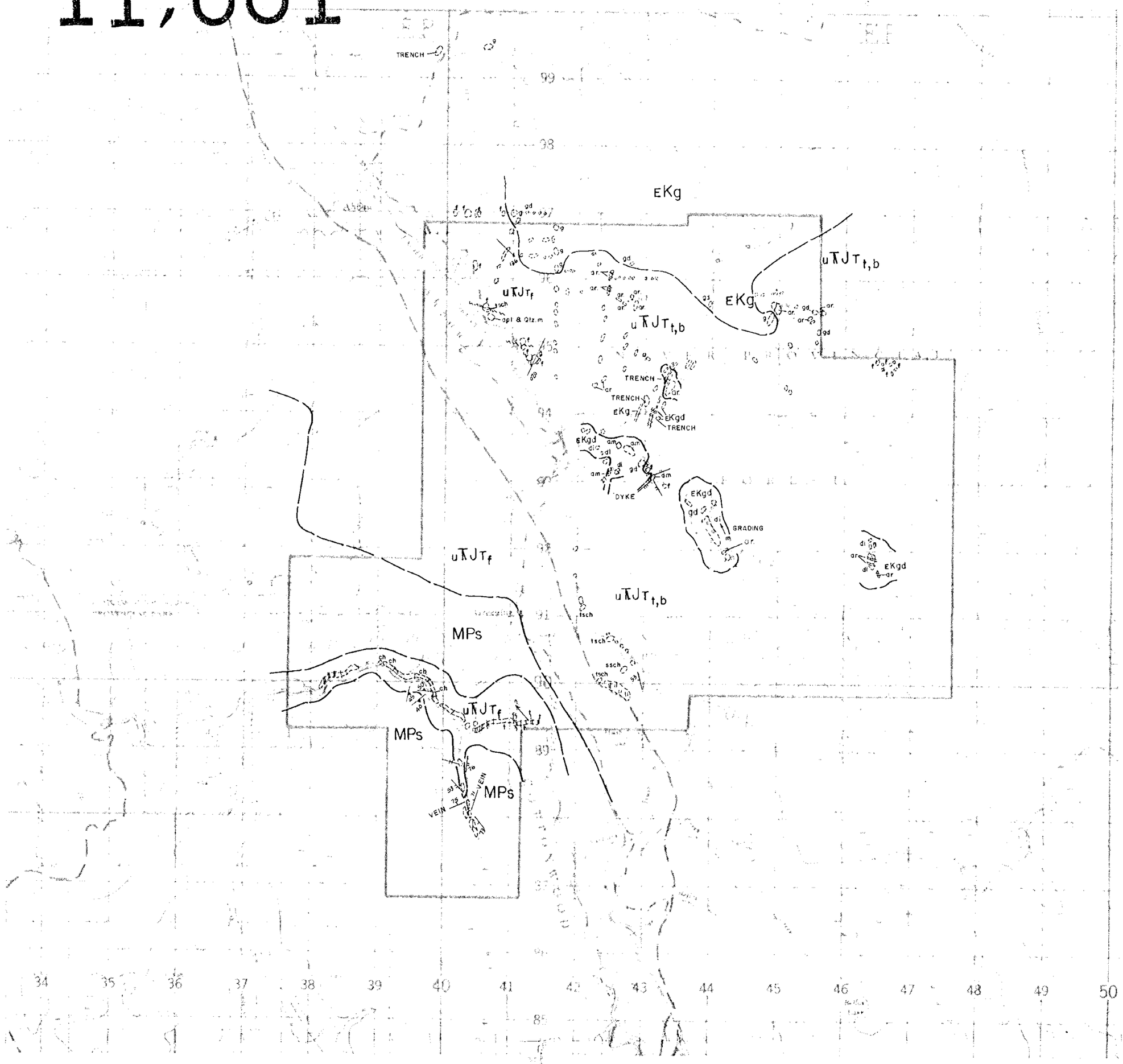


ROCK TYPES

f , t , bc	ANDESITE-FLOW, TUFF, BRECCIA
ar	ARGILLITE
ch	CHERTS (mostly bedded)
c	CONGLOMERATES
gd , m	GRANODIORITE , MONZONITE
g , apl	GRANITE , APLITE
um	PYROXINITE - SERPENTINITE
qtz.	QUARTZ (veins and pods)
csch, msch, tsch	SCHIST - CHLORITE , MICA, TALC
slst - mdst	SILTSTONE - MUDSTONE
Ps	PLEISTOCENE SEDIMENTS
gs	GRANITIZED SEDIMENTS

LEGEND:

TERTIARY

MPs — SANDSTONE, SHALE, CONGLOMERATE, DIATOMITE, LIGNITE

EARLY CRETACEOUS - Naver Intrusions

EKg — QTZ. MONZONITE, SYENITE, MONZONITE, GRANODIORITE, DIORITE (di)

UPPER TRIASSIC - LOWER JURASSIC

uTJT — Takla Group ANDESITE, (b) BASALT, (f) FLOW (t) TUFF, (bc) BRECCIA, (c) CONGLOMERATE, GREYWACKE, (ar) ARGILLITE, LIMESTONE.

UPPER TRIASSIC

uTp — BLACK PHYLLITE, SILTSTONE, LIMESTONE QUARTZITE, SERPENTINIZED PERIDOTITE & SERPENTINITE (uTps)

HADRYNIAN

Hk — Kaza Group SANDSTONE, CONGLOMERATE, GRIT, PHYLLITE, SCHIST, (am) AMPHIBOLITE, MARBLE, GNEISS.

JOINTS strike & dip (inclined, vertical)

BEDDING " " (" , ")

FOLIATION strike & dip

FRACTURE " "

CLEAVAGE " "

FOLD AXIS & PLUNGE

FAULT ZONE

SHEAR ZONE

F FLOAT

GABRIEL RESOURCES INC.
AHBAU PROPERTY
6 CLAIMS - CARIBOO M.D - B.C.

REGIONAL GEOLOGICAL MAP

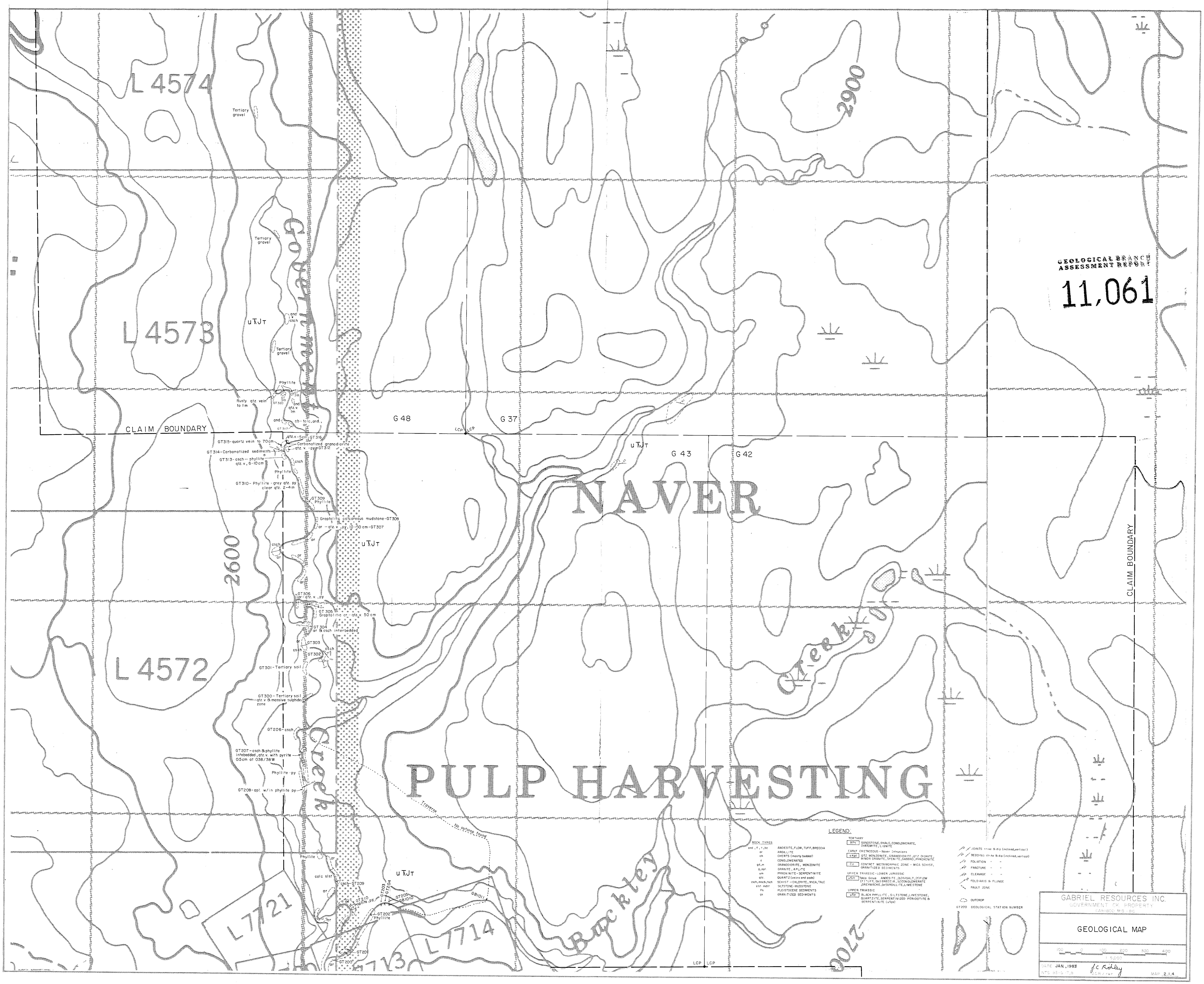
KM 1 0 1 2 3 4

METRES

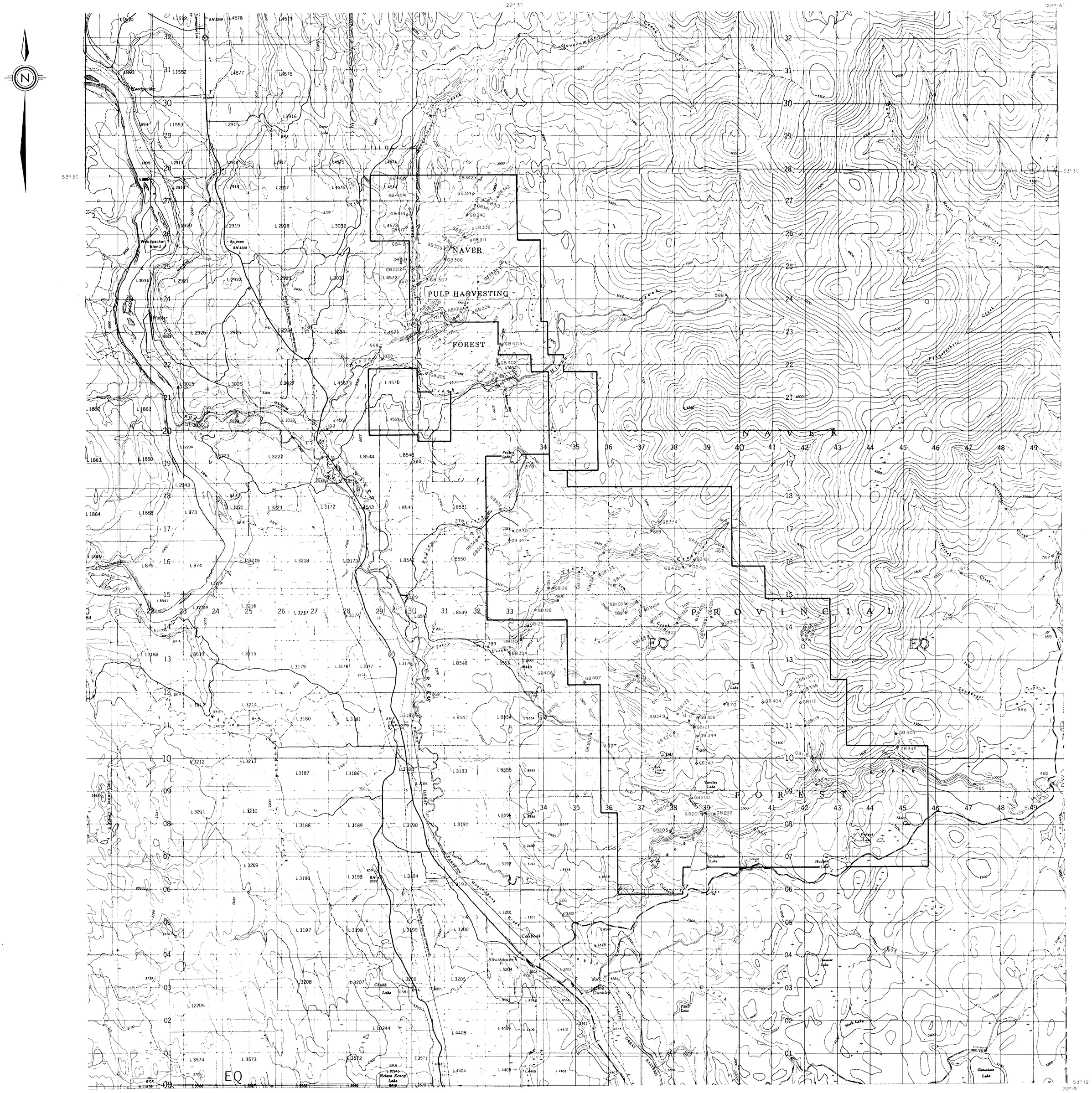
DATE ~~FEB. 7/82~~ JAN., 1983 J. C. Ridley

NTS 93-G-1 J.C.R. /rwr

MAP 2.1.2



L 4574
L 4573
L 4572
L 7721
L 7714
Government Creek
Buckley Creek
NAVER
PULP HARVESTING
CLAIM BOUNDARY
G 48
G 37
G 43
G 42
2900
2600
2700
GEOLOGICAL BRANCH
ASSESSMENT REPORT
11,061
LEGEND:
ROCK TYPES
and, f, t, bc ANDESITE, FLOW, TUFF, BRECCIA
ar ARGILLITE
ch CHERTS (mostly bedded)
c CONGLOMERATES
gd, m GRANODIORITE, MONZONITE
g, apl. GRANITE, APLITE
um PYROXINITE - SERPENTINITE
qtz. QUARTZ (veins and pods)
csch, msch, tsch SCHIST – CHLORITE, MICA, TALC
slst - mdst SILTSTONE-MUDSTONE
Ps PLEISTOCENE SEDIMENTS
gs GRANITIZED SEDIMENTS
TERTIARY
MPs SANDSTONE, SHALE, CONGLOMERATE, DIATOMITE, LIGNITE
EARLY CRETACEOUS - Naver Intrusions
EKgd QTZ. MONZONITE, GRANODIORITE, QTZ. DIORITE, MINOR GRANITE, SYENITE, GABBRO, PYROXENITE.
Cz CONTACT METAMORPHIC ZONE – MICA SCHIST, GRANITIZED SEDIMENTS
UPPER TRIASSIC - LOWER JURASSIC
uTrJT Takla Group ANDESITE, (b) BASALT, (f) FLOW (f) TUFF, (bc) BRECCIA, (c) CONGLOMERATE, GREYWACKE, (ar) ARGILLITE, LIMESTONE
UPPER TRIASSIC
uTrp BLACK PHYLLITE, SILTSTONE, LIMESTONE, QUARTZITE, SERPENTINIZED PERIDOTITE & SERPENTINITE (uTrps)
JOINTS strike & dip (inclined, vertical)
BEDDING strike & dip (inclined, vertical)
FOLIATION
FRACTURE
CLEAVAGE
FOLD AXIS & PLUNGE
FAULT ZONE
OUTCROP
GT200 GEOLOGICAL STATION NUMBER
GABRIEL RESOURCES INC.
GOVERNMENT CK. PROPERTY
CARIBOO M.D. - B.C.
GEOLOGICAL MAP
100 0 100 200 300 400
1:5,000
DATE JAN., 1983
MAP 2.1.4



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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o Sample site

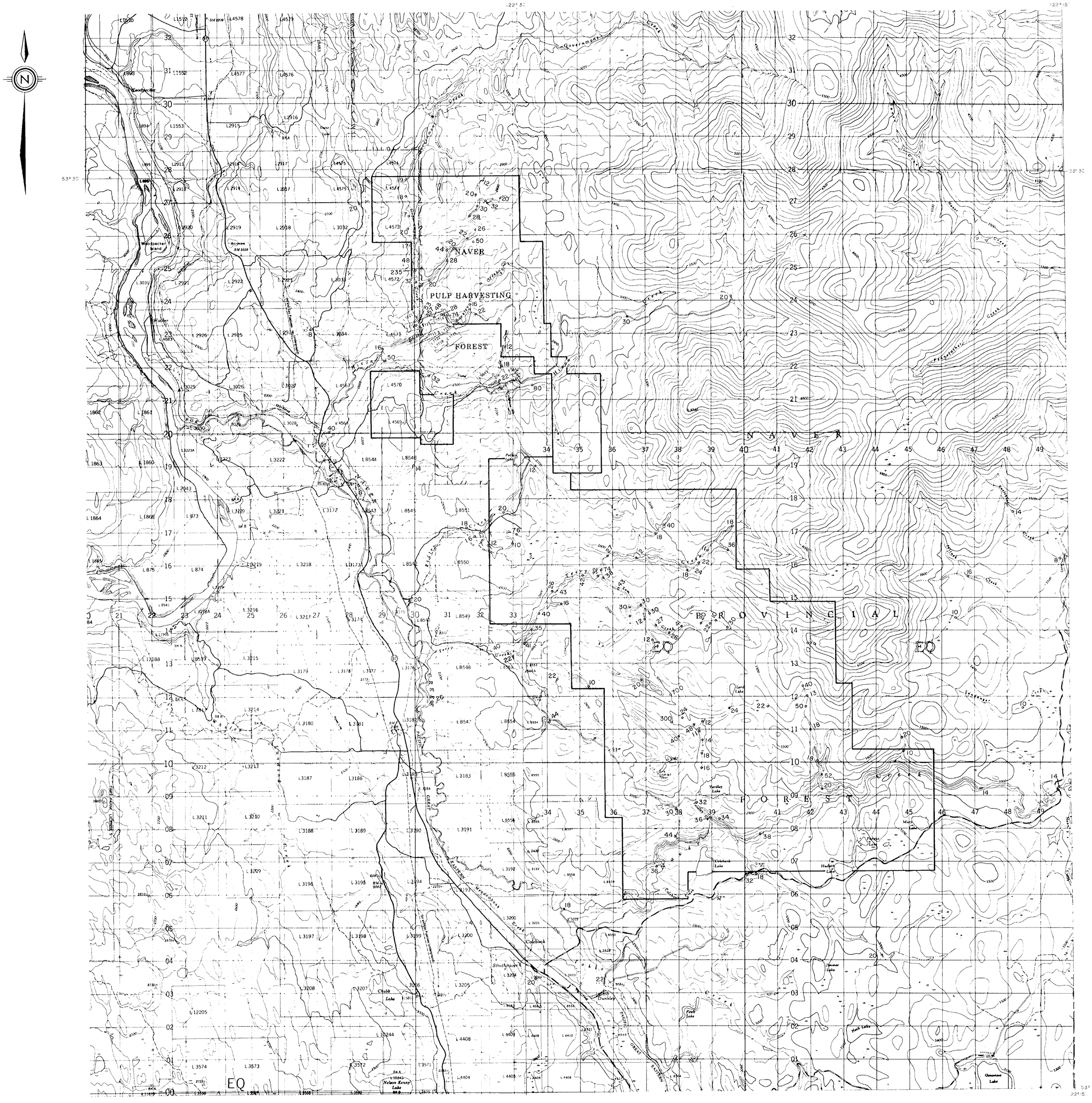
GABRIEL RESOURCES INC.
GOVERNMENT CK. & YARDLEY LK. PROPERTIES
G SOUTH & G CLAIMS - CARIBOO M.D. - B.C

HEAVY MINERAL CONCENTRATE SAMPLING

SAMPLE LOCATION MAP

KM 0 1 2 3 4
1:50,000

DATE ~~Nov 1/81~~ Dec./82 J.C Ridley
NTS 93-G-7 & 8 J.C.R./rwr MAP 31.2.1



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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^{45} Value in p.p.m.

N.R. No Result

60 p.p.m. = Threshold

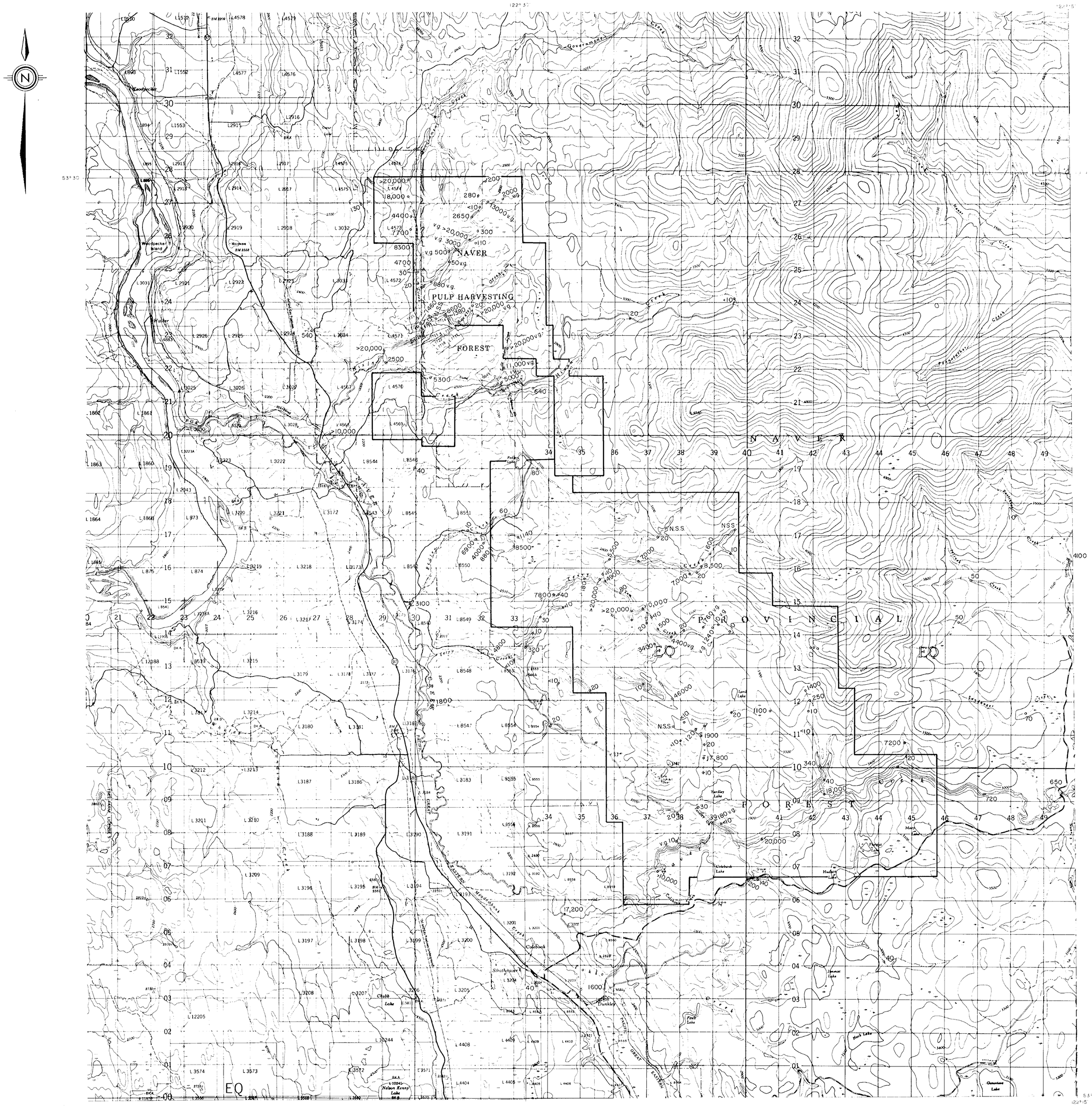
125 p.p.m. = Anomalous

GABRIEL RESOURCES INC.
GOVERNMENT CK. & YARDLEY LK. PROPERTIES
G SOUTH & G CLAIMS - CARIBOO M.D. - B.C.

HEAVY MINERAL CONCENTRATE SAMPLING
COPPER RESULTS

KM 1 0 1 2 3 4
1:50,000

DATE ~~Nov. 1/81~~ Dec/82 J.C. Ridley
NTS 93-G-7&8 J.C.R./rwr MAP 3.1.2.2



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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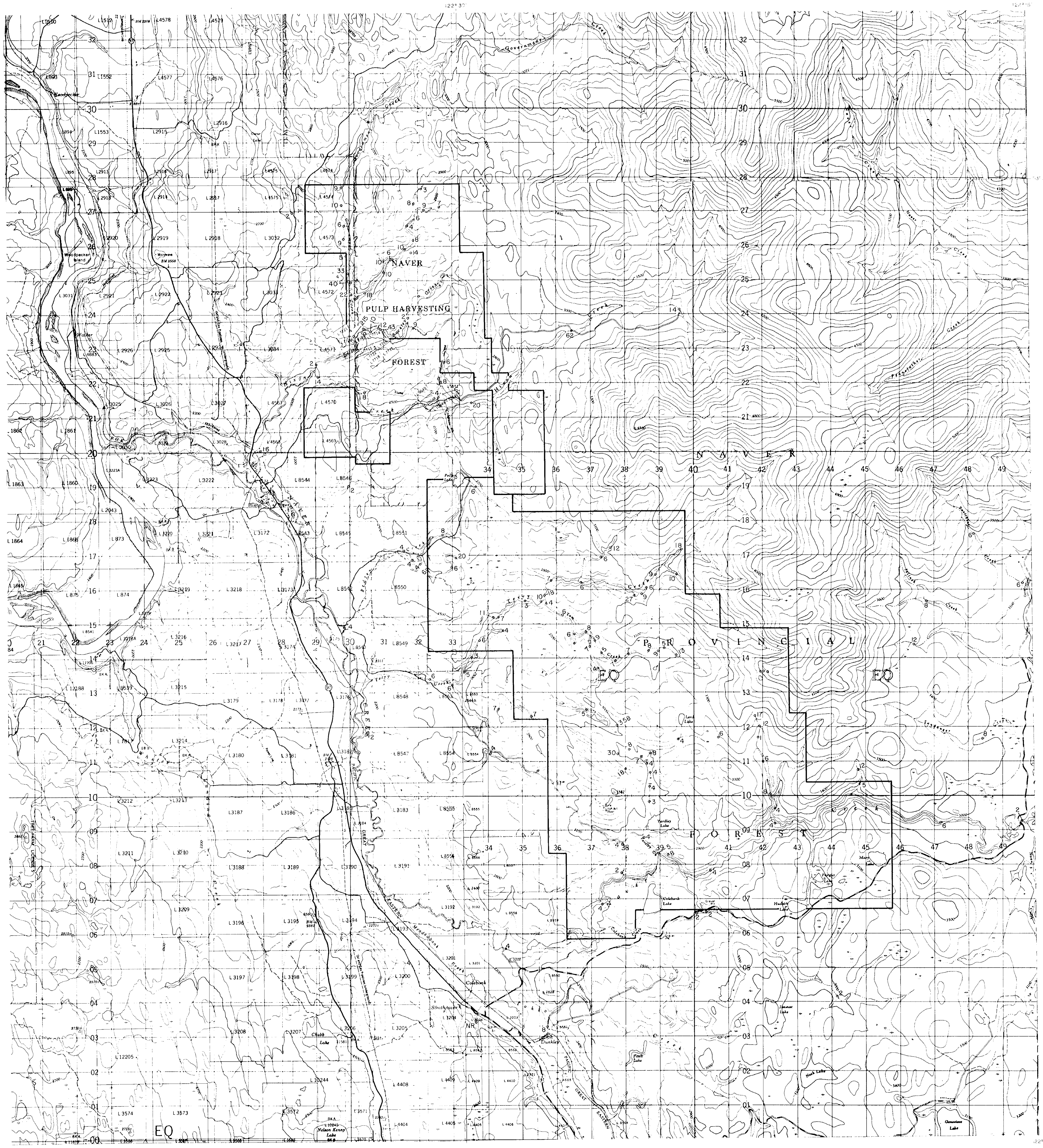
°40 Value in p.p.b.
v.g. Visable gold in sample
N.S.S. Not sufficient sample
770 p.p.b. = Threshold
6400 p.p.b. = Anomalous

GABRIEL RESOURCES INC.
GOVERNMENT CK. & YARDLEY LK. PROPERTIES
G SOUTH & G CLAIMS – CARIBOO M.D. – B.C

HEAVY MINERAL CONCENTRATE SAMPLING
GOLD RESULTS

KM 1 0 1 2 3 4
1 : 50,000

DATE ~~Nov. 1/81~~ Dec./82 J.C. Ridley
NTS 93-G-7&8 J.C.R./rwr MAP 3.1.2.3.



17 p.p.m. = Threshold

32 p.p.m. = Anomalous

$_{o}^{15}$ Value in p.p.m.

N.R. No Result

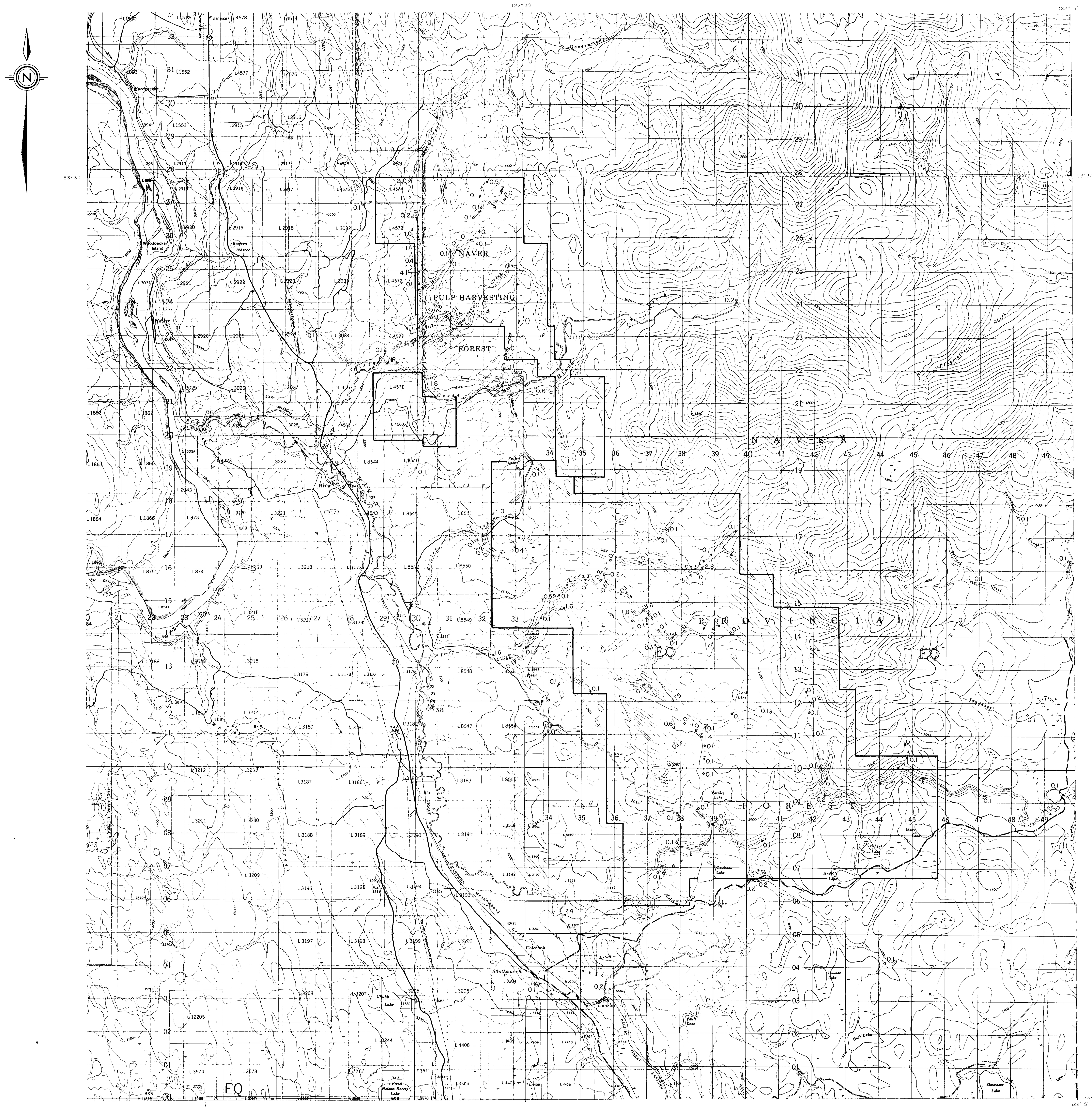
GABRIEL RESOURCES INC.
GOVERNMENT CK. & YARDLEY LK. PROPERTIES
G SOUTH & G CLAIMS – CARIBOO M.D. – B.C.

HEAVY MINERAL CONCENTRATE SAMPLING

LEAD RESULTS

KM 0 1 2 3 4
1:50,000

DATE ~~Nov. 1/81~~ Dec./82 J.C. Ridley
NTS 93-G-7&8 J.C.R./rwr MAP 3.1.2.4



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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°0.2 Value in p.p.m.

1.8 p.p.m. = Threshold

7.6 p.p.m. = Anomalous

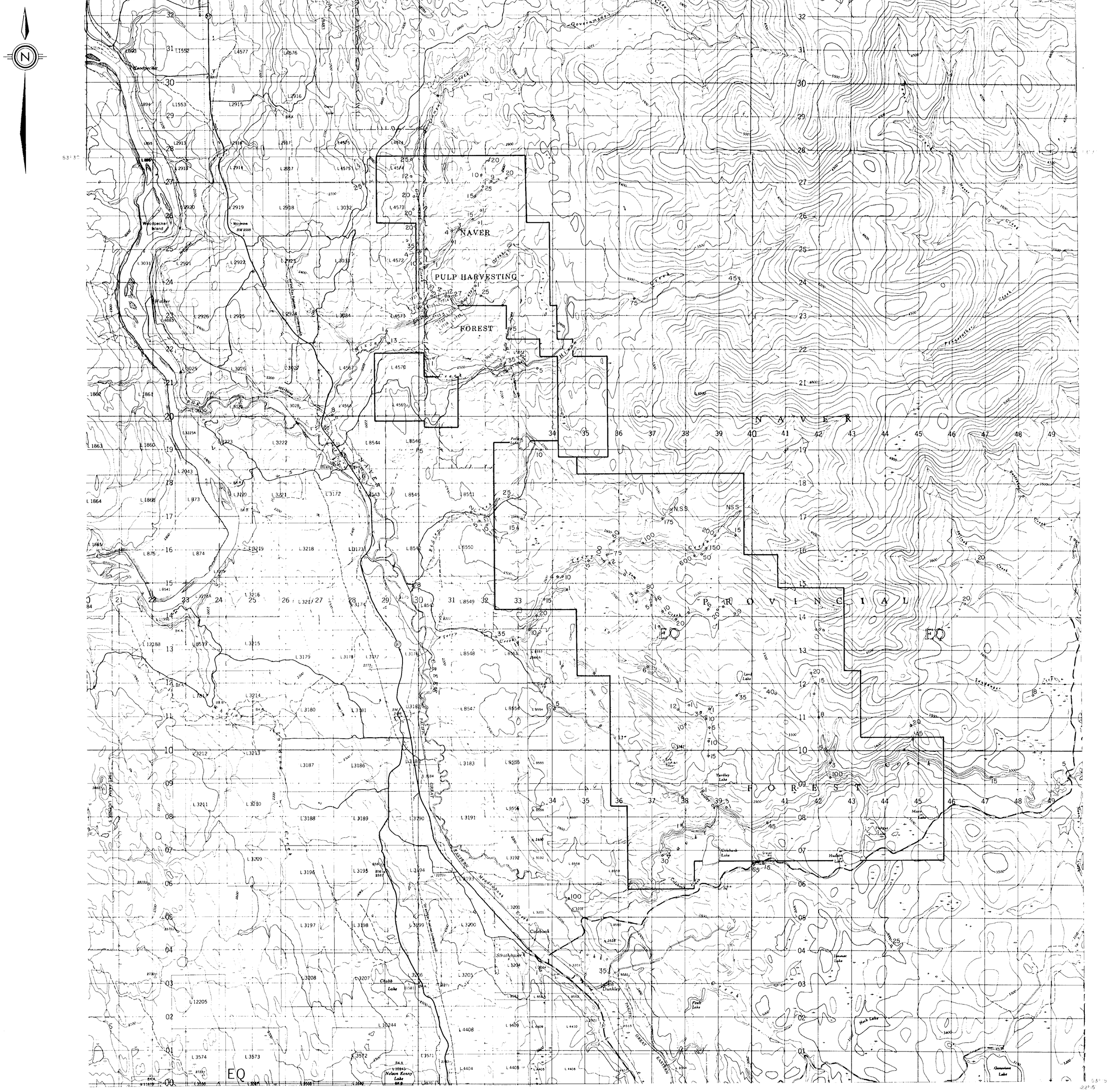
GABRIEL RESOURCES INC.
GOVERNMENT CK. & YARDLEY LK. PROPERTIES
G SOUTH & G CLAIMS - CARIBOO M.D. - B.C.

HEAVY MINERAL CONCENTRATE SAMPLING

SILVER RESULTS

KM 1 0 1 2 3 4
1 : 50,000

DATE ~~Nov. 1/81~~ Dec./82 J.C. Ridley
NTS 93-G-7 & 8 J.C.R. / rwr MAP 3.1.2.5



GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,061

$^{0}15$ Value in p.p.m.

NSS Not sufficient sample.

42 p.p.m. = Threshold

119 p.p.m. = Anomalous

GABRIEL RESOURCES INC.
GOVERNMENT CK. & YARDLEY LK. PROPERTIES
G SOUTH & G CLAIMS – CARIBOO M.D. – B.C

HEAVY MINERAL CONCENTRATE SAMPLING
TUNGSTEN RESULTS

KM 0 1 2 3 4
50,000

DATE ~~Nov 1/81~~ Dec./82 J.C. Ridley
NTS 93-G-7 & 8 J.C.R./rwr. MAP 3.1.2.6

122°30' 122°15' 53°30' 53°15'

PULP HARVESTING FOREST

NAVER

PROVINCIAL FOREST

EQ

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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100 Value in p.p.m.

N.R. No Result

122 p.p.m. = Threshold

190 p.p.m. = Anomalous

GABRIEL RESOURCES INC.
GOVERNMENT CK. & YARDLEY LK. PROPERTIES
G SOUTH & G CLAIMS - CARIBOO M.D. - B.C

HEAVY MINERAL CONCENTRATE SAMPLING

ZINC RESULTS

KM 0 1 2 3 4
1:50,000

DATE ~~Nov. 1/81~~ Dec./82 J.C. Ridley

NTS 93-G-7&8 J.C.R./rwr MAP 3.1.2.7

L 95+00E

L 115+00E

120 N

100 E

105 E

110 E

L 120+00 N

L 118+00 N

115 N

L 116+00 N

115 N

110 N

110N

108 N

105 N

100N

100 E

105 E

110 E

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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LEGEND:

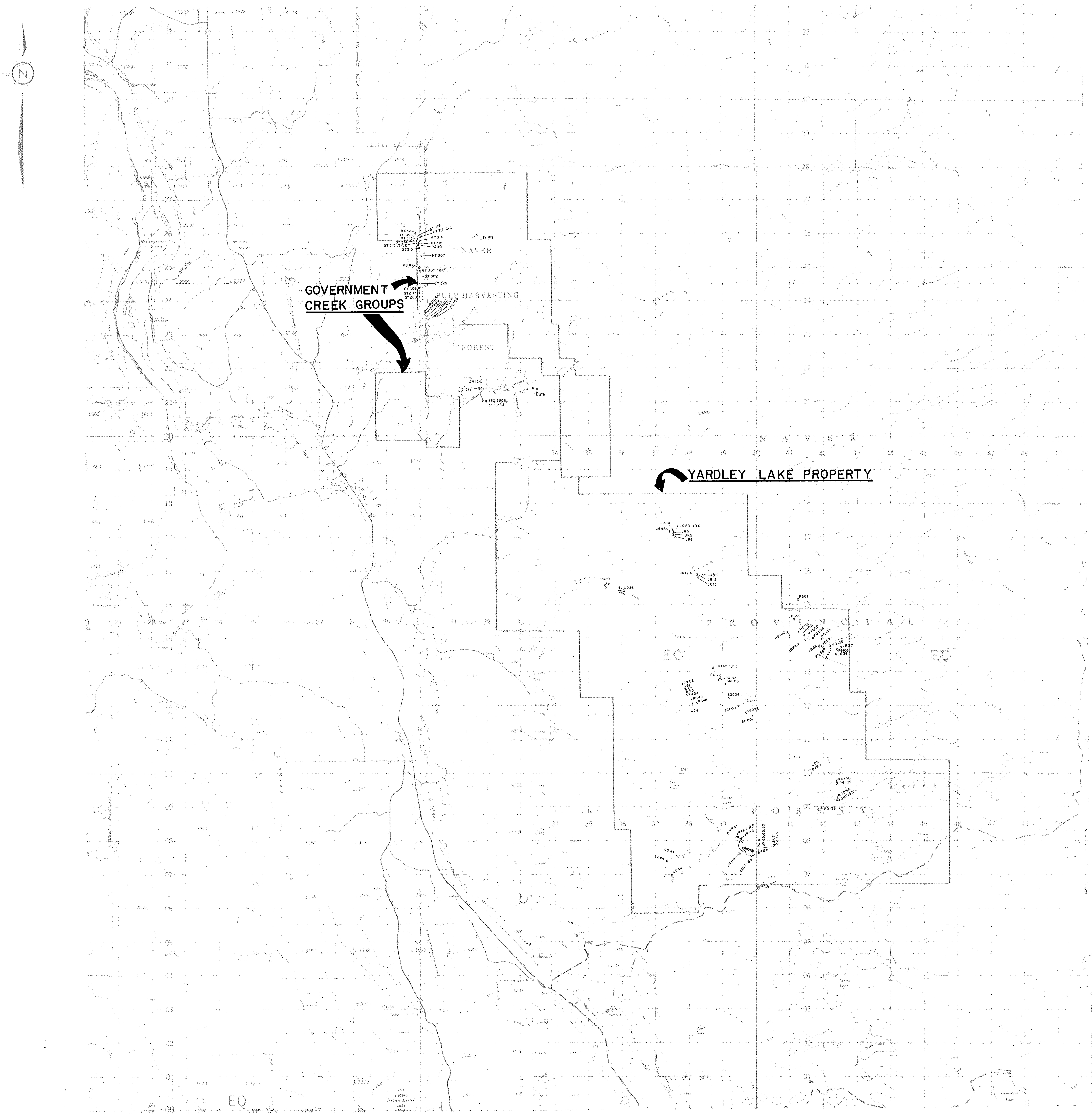
- SOIL SAMPLE LOCATION
- GOLD VALUE ppb
- ANTIMONY VALUE ppm

GABRIEL RESOURCES INC.
COTTONWOOD GRID
G-33 CLAIM – CARIBOO M.D. – B.C.

GEOCHEMICAL SURVEY
(Ag & Sb)

100 0 100 200 300 400
1 : 5,000

DATE JAN., 1983
NTS 93-G-1
J.C.R / r.w.r
J.C Ridley
MAP 3.2.2.3



GEOLOGICAL BRANCH
ASSESSMENT REPORT

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LD 47
x Sample site & number

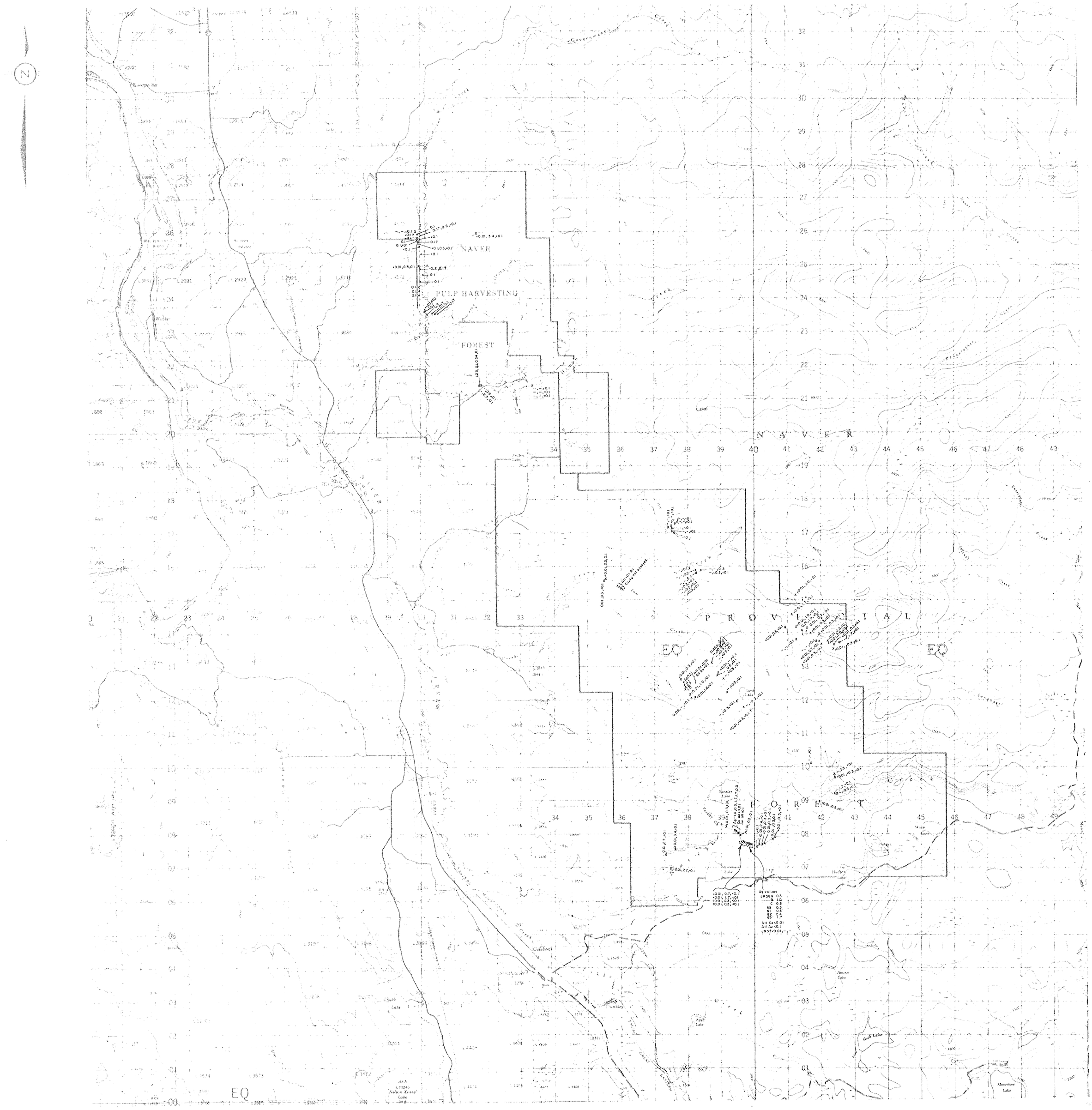
o 1982 sample site

GABRIEL RESOURCES INC
GOVERNMENT CK & YARDLEY LK PROPERTIES
SOUTH B.C. CLAIMS CARIBOO M.D. B.C.

LITHOGEOCHEMICAL SURVEY
SAMPLE LOCATION MAP

DATE ~~Nov. 8/81~~ Dec. 82
NTS 93-G-7 & 9 J.C.R. / RWE

MAP 3.3.2.1



GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,061

<0.01, 1.7, <0.1 — % Cu, gm/t Ag, gm/t Au

— , — , — — Dash = an element that has not been assayed

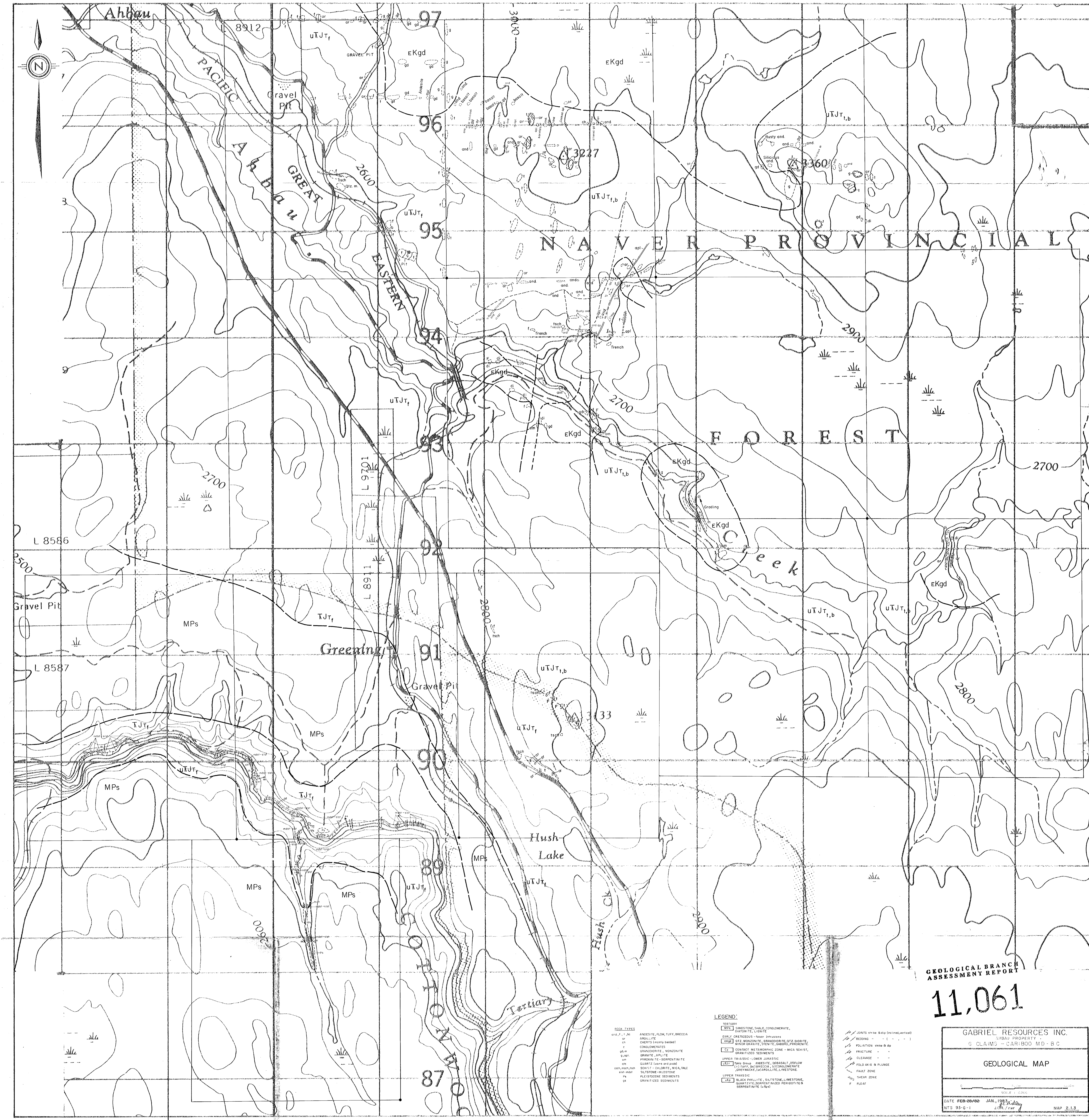
o — 1982 sample site (analysed for Gold only)

GABRIEL RESOURCES INC.
GOVERNMENT CK & YARDLEY LK. PROPERTIES
6 SOUTH & 6 CLAIMS - CARIBOO M.D. - B.C.

LITHOGEOCHEMICAL SURVEY
Cu, Ag, Au RESULTS

DATE ~~Nov. 8, 81~~ Dec. 82 — J.C. Ridley

NTS 93-G-7&8 — J.C.R./rwr — MAP 3.3.2.2


GEOLOGICAL BRANCH ASSESSMENT REPORT
11,061
GABRIEL RESOURCES INC.
AHBAU PROPERTY
G CLAIMS - CARIBOO MD - BC
GEOLOGICAL MAP
SCALE 1:10,000
DATE ~~FEB 28/82~~ JAN., 1983
NTS 93-G-1
J.C.R./cwr
MAP 2.1.3
LEGEND:
TERTIARY
MPs SANDSTONE, SHALE, CONGLOMERATE, DIATOMITE, LIGNITE
EARLY CRETACEOUS - Naver Intrusions
EKgd QTZ. MONZONITE, GRANODIORITE, QTZ. DIORITE, MINOR GRANITE, SYENITE, GABBRO, PYROXENITE.
Cz CONTACT METAMORPHIC ZONE - MICA SCHIST, GRANITIZED SEDIMENTS
UPPER TRIASSIC - LOWER JURASSIC
uTJT Takla Group ANDESITE, (b)BASALT, (f)FLOW (t) TUFF, (bc) BRECCIA, (c)CONGLOMERATE, GREYWACKE, (ar) ARGILLITE, LIMESTONE.
UPPER TRIASSIC
uTp BLACK PHYLLITE, SILTSTONE, LIMESTONE, QUARTZITE, SERPENTINIZED PERIDOTITE & SERPENTINITE (uTps)
ROCK TYPES
and, f, t, bc ANDESITE, FLOW, TUFF, BRECCIA
ar ARGILLITE
ch CHERTS (mostly bedded)
c CONGLOMERATES
gd, m GRANODIORITE, MONZONITE
g, apl. GRANITE, APLITE
um PYROXINITE - SERPENTINITE
qtz QUARTZ (veins and pods)
csch, msch, tsch SCHIST - CHLORITE, MICA, TALC
slst - mdst SILTSTONE - MUDSTONE
Ps PLEISTOCENE SEDIMENTS
gs GRANITIZED SEDIMENTS
JOINTS strike & dip (inclined, vertical)
BEDDING
FOLIATION strike & dip
FRACTURE
CLEAVAGE
FOLD AXIS & PLUNGE
FAULT ZONE
SHEAR ZONE
F FLOAT
NAVER PROVINCIAL FOREST
Ahbau
Ahbau Creek
PACIFIC GREAT EASTERN
Greening
Hush Lake
Hush Ck
Cottonwood
Tertiary
Gravel Pit
8912
L 9701
L 8911
L 8586
L 8587
3227
3360
3133
2600
2700
2800
2900
3000
2500
97
96
95
94
93
92
91
90
89
87

MAP 4.1.2.1 JOINS HERE

L 70N, 40E

L66N, 40E

L 74 N
L 72 N
L 70 N
L 68 N
L 66 N
L 64 N
L 62 N
L 60 N
L 58 N
L 56 N
L 54 N
L 52 N
L50 N
L 48 N
L 46 N
L 44 N
L 42 N
L 40 N
L 38 N
L 36 N
L 34 N
L 32 N
L 30 N
L 28 N
L 26 N

G 31
G 30
G 29
G 28
G 32
G 27

LCP
LCS
LOGGING ROAD
RAILWAY
TRACKS

N

LEGEND:

Fraser Filter Result (%)
Inphase Reading

Contour interval = 10, 20 & 30 %

Instrument : Geonics EM-16

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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GABRIEL RESOURCES INC.
AHBAU PROPERTY
G CLAIMS - CARIBOO M.D. - B.C.

VLF-EM SURVEY
CONTOURS OF FRASER FILTER RESULTS (%)

0 100 200 300 400 500 METRES
1:5,000

DATE ~~Nov. 16/81~~ Dec./82
NTS 93-G-1
J.C.R./rwr

MAP 4.1.2.2

MAP 3.2.3.1 JOINS HERE

L70N, 40E

L66N, 40E

60+00E

L 74 N

L 72 N

L 70 N

L 68 N

L 66 N

L 60 N

L 58 N

L 56 N

L 54 N

L 52 N

L 50 N

L 48 N

L 46 N

L 44 N

L 42 N

L 40 N

L 38 N

L 36 N

L 34 N

L 32 N

L 30 N

L 28 N

L 26 N

G 32

G 31

G 30

G 29

G 28

G 27

LCP

RAILWAY

TRACKS

LEGEND:

- SOIL SAMPLE LOCATION
- GOLD VALUE ppb
- ANTIMONY VALUE ppm

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,061

GABRIEL RESOURCES INC.
AHBAU PROPERTY
G CLAIMS - CARIBOO M.D. - B.C.

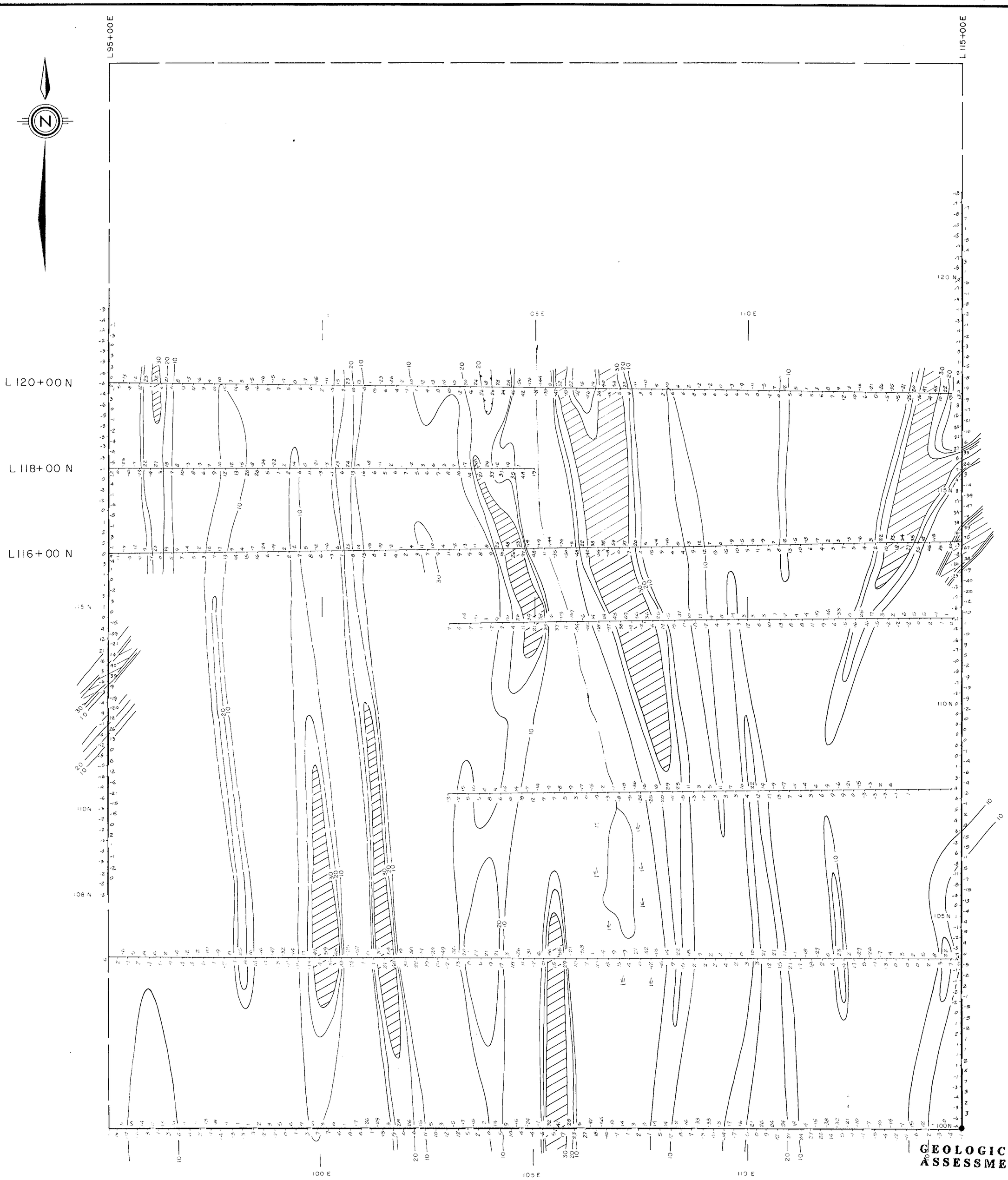
GEOCHEMICAL SURVEY
(Ag & Sb)

0 100 200 300 400 500 METRES
1:5,000

DATE JAN., 1983
NTS 93-G-1

J.C.R./rwr

MAP 3.2.2.2



LEGEND

22 | 3 / 4 | 2 / 1 | 5 / -3 | 4 / 9 | 1

FRASER FILTER RESULT (%)

INPHASE READING

CONTOUR INTERVAL = 10, 20 & 30 %

INSTRUMENT: GEONICS EM-16

NORTH-SOUTH LINES SURVEYED VIA STATION 'NAA'

EAST-WEST LINES SURVEYED VIA STATION 'NLK'

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,061

GABRIEL RESOURCES INC.
COTTONWOOD GRID
G-33 CLAIM – CARIBOO M.D. – B.C.

VLF-EM SURVEY
CONTOURS OF FRASER FILTER RESULTS (%)

100 0 100 200 300 400
1 5,000

DATE ~~Dec 30,1981~~ Dec./82 J.C. Ridley
NTS 93-G-1 JCR/rwr MAP 4.1.2.3

L 74 N

L 70 N

L 66 N

20E 25E 30E 35E 40E

Main Dirt Road

Old Logging Road

NOTE: THIS MAP JOINS THE N.W. CORNER OF MAP 4.1.2.2

LEGEND:

FRASER FILTER RESULT (%)

INPHASE READING

CONTOUR INTERVAL = 10, 20 & 30 %

INSTRUMENT GEONICS EM-16

GABRIEL RESOURCES INC.

AHBAU PROPERTY

G CLAIMS - CARIBOO M.D. - B.C.

VLF EM SURVEY

CONTOURS OF FRASER FILTER RESULTS (%)

-100 0 100 200 300 400

1:5,000

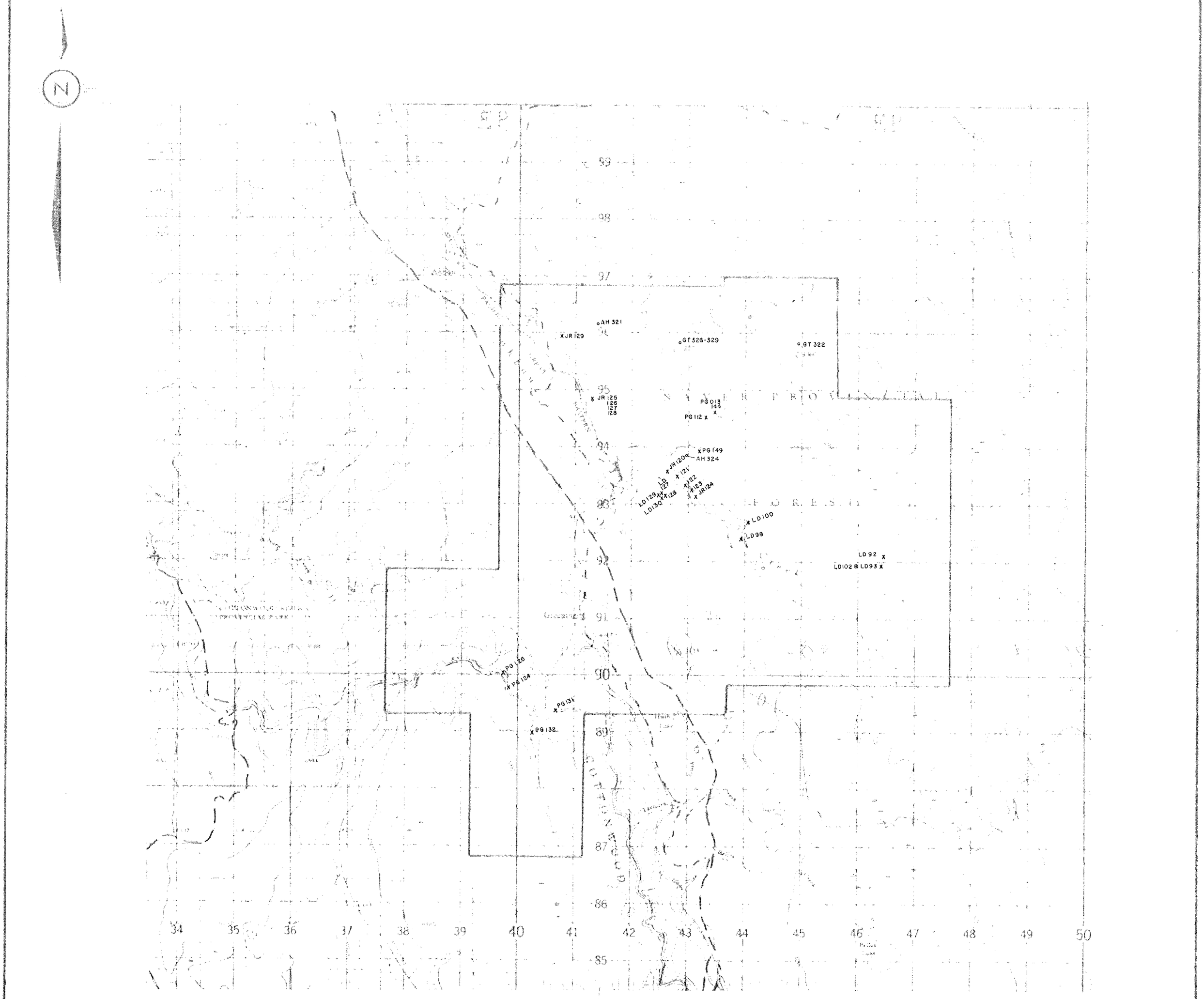
DATE JAN., 1983

NTS 93-G-1

J.C.R. / r.w.r.

J.C. Ridley

MAP 4.1.2.1



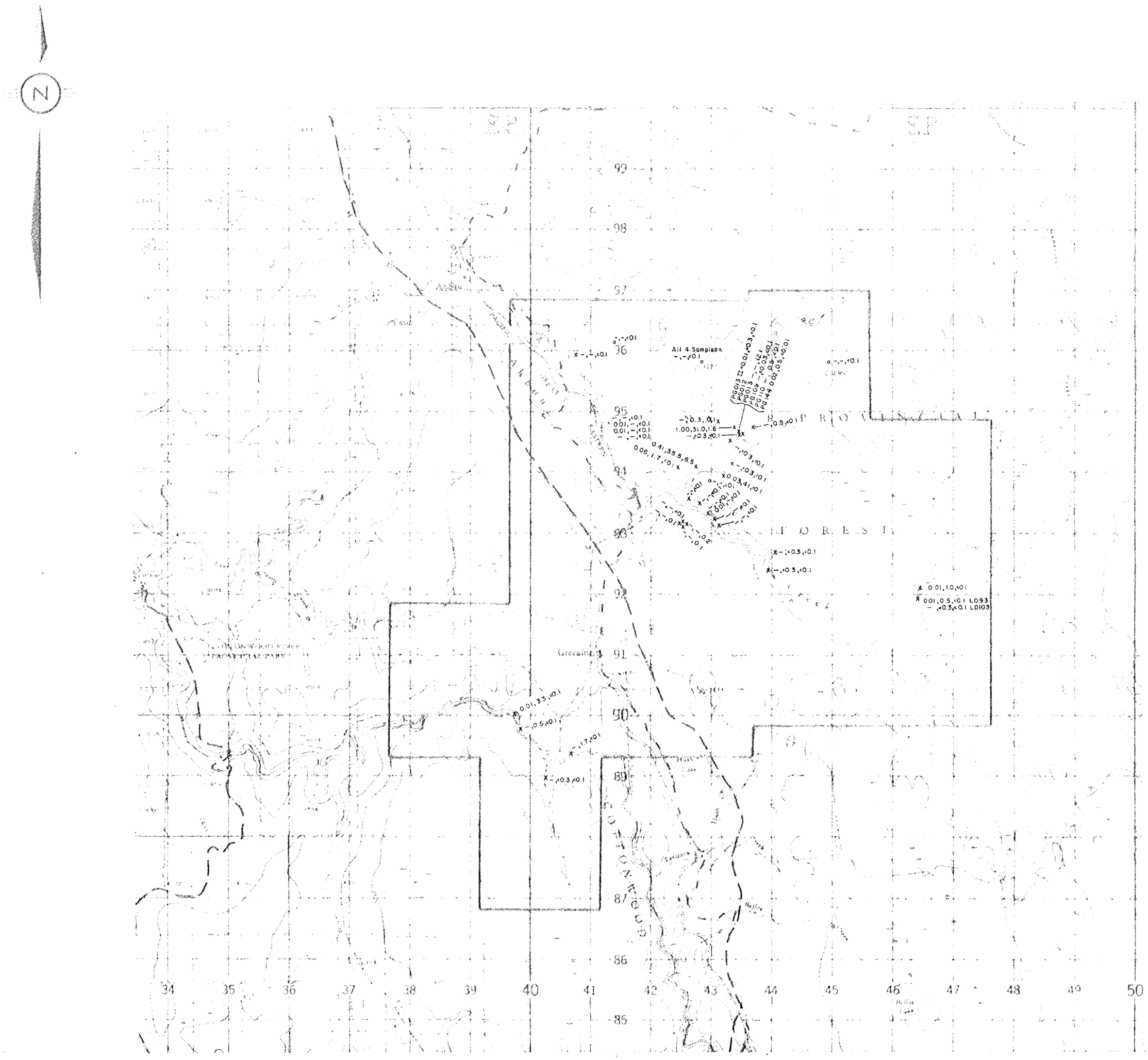
JR 129
x Sample site & number

GABRIEL RESOURCES INC
ANIBAL PROPERTY
CLAIMS - CARIBOO M.D. - B.C.

LITHOGEOCHEMICAL SURVEY SAMPLE LOCATION MAP

DATE ~~Nov. 8/81~~ Dec. 82

MAP 3.3.2.3



GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,061

<0.01, 1.7, <0.1 x — % Cu, gm/t Ag, gm/t Au

—, —, — Dash = an element that has not been assayed

o 1982 sample site

GABRIEL RESOURCES INC.
ARIBAU PROPERTY
3 CLAIMS - CARIBOO MD - B.C.

LITHOGEOCHEMICAL SURVEY
Cu, Ag, Au RESULTS

DATE ~~Nov. 8/81~~ Dec. 82
NTS 93-G-1 JCR/rwr MAP 3.3.2.4