GOLDEN PORPHYRITE LTD.

1983

ASSESSMENT REPORT

ON THE

GEOLOGICAL AND GEOCHEMICAL SURVEYS

ON THE HUMPHREY PROPERTY

JO 38-40, 48-50 and 59

OMINECA MINING DIVISION, BRITISH COLUMBIA

55° 37' N, 125° 43' W
N.T.S. 93N/12

OWNER: SUMMIT VENTURES INC.

OPERATOR: GOLDEN PORPHYRITE LTD.

H.S. Macfarlane, M.Sc.
Golden Porphyrite Ltd.

JUNE 1984

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INTRODUCTION

The Humphrey property consisting of claims Jo 38-40, 48-50 and 59 (140 units) is located 20 km northeast of Takla Landing and 130 km northeast of Smithers in the Omineca Mining Division. Its National Topographic Survey location is 93N/12 at 55° 37' north latitude and 125° 43' west longitude, (fig. 1).

The Property is accessible by a summer four-wheel drive road from the nearest settlement, Takla Landing, a one and a half hour drive under poor road conditions. The property was evaluated using a Hughes 500 D helicopter based at Takla Landing, a return trip taking 18 minutes.

The Property is characterized by a northwest-southeast trending ridge up to 1,854 m above sea level with a cirque basin developed on its northern flank. Streams drain north towards Akus Lake and southeast into Humphrey Lake. The Humphrey Creek drainage basin is located within this property. The treeline is at about the 1,600 m elevation with alpine vegetation above and mixed coniferous vegetation, alpine fir and spruce, on valley sides and bottoms. Outcrop exposure is restricted to ridge crests, with maximum exposure present on north facing slopes.

The property is part of an important past and present gold producing region, the Omineca Camp, with a reported production of 8,051 ounces from 1869 - 1950.

With the recent development of a new gold occurrence model involving large tonnage, low grade deposits, the owner, Summit Ventures Inc., contracted Golden Porphyrite Ltd., to locate the source rocks of the placer gold found in many of the surrounding

FIGURE 1

GOLDEN PORPHYRITE LTD.

HUMPHREY PROPERTY

OMINECA MINING DIVISION, B.C.

LOCATION MAP

KILOMETRES

0 50 100 200 300 400

creeks. Rocks belonging to the Permo-Triassic Cache Creek Group outcrop within and around the claim block and conform to this model. This model makes this property ideal for gold exploration.

The work was performed by Golden Porphyrite personnel supervised by Mr. H. Macfarlane and directed by Mr. F.M. Smith, P.Eng. The area was geologically mapped and prospected over an area of approximately 35 km^2. A total of 168 geochemical rock chip and 177 soil samples were collected.

For grouping purposes the Humphrey property will be divided into two groups, Humphrey 1 and Humphrey 2, (fig. 2).

Claim Name	No. Units	Tag No.	Owner of Record	Date Located	Date Recorded	Record No.
HUMPHREY 1						
Jo 38	20	91233	Summit	07.06.83	21.06.83	5270
Jo 39	20	91234	Ventures Inc.	07.06.83	21.06.83	5271
Jo 48	20	91243	"	07.06.83	21.06.83	5280
Jo 49	20	91244	"	07.06.83	21.06.83	5281
HUMPHREY 2						
Jo 40	20	91235	"	08.06.83	21.06.83	5272
Jo 50	20	91245	"	08.06.83	21.06.83	5282
Jo 59	20	69946	"	09.06.83	21.06.83	5291

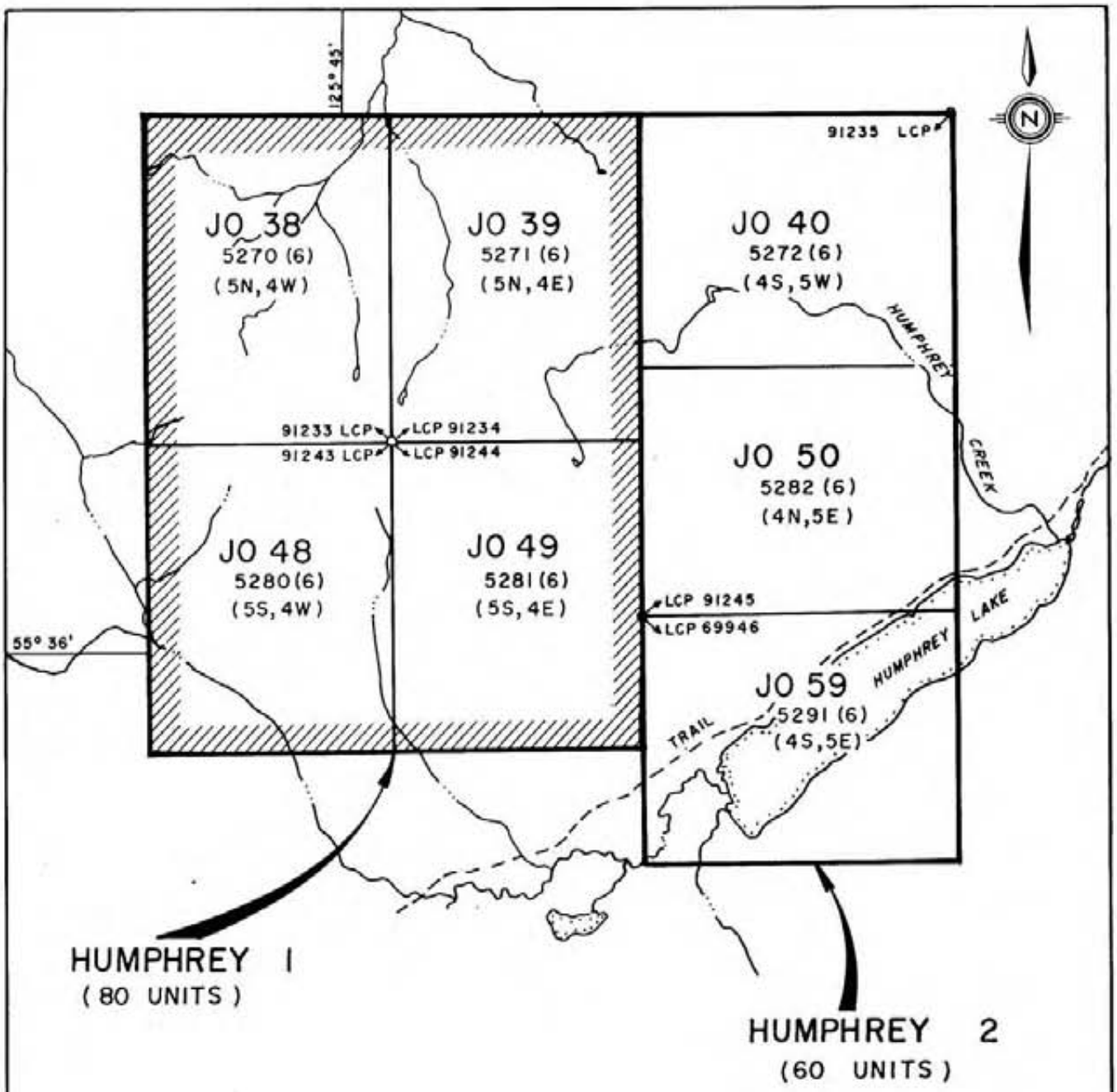


FIGURE 2

GOLDEN PORPHYRITE LTD.

HUMPHREY PROPERTY

CLAIM MAP

KILOMETRES

0 0.5 1 1.5 2

M93N/12W/12E N.T.S. 93N/12

Claim post and boundary locations established by air photo, topographic map and chain and compass.

GEOLOGICAL SURVEY

Regional Geology

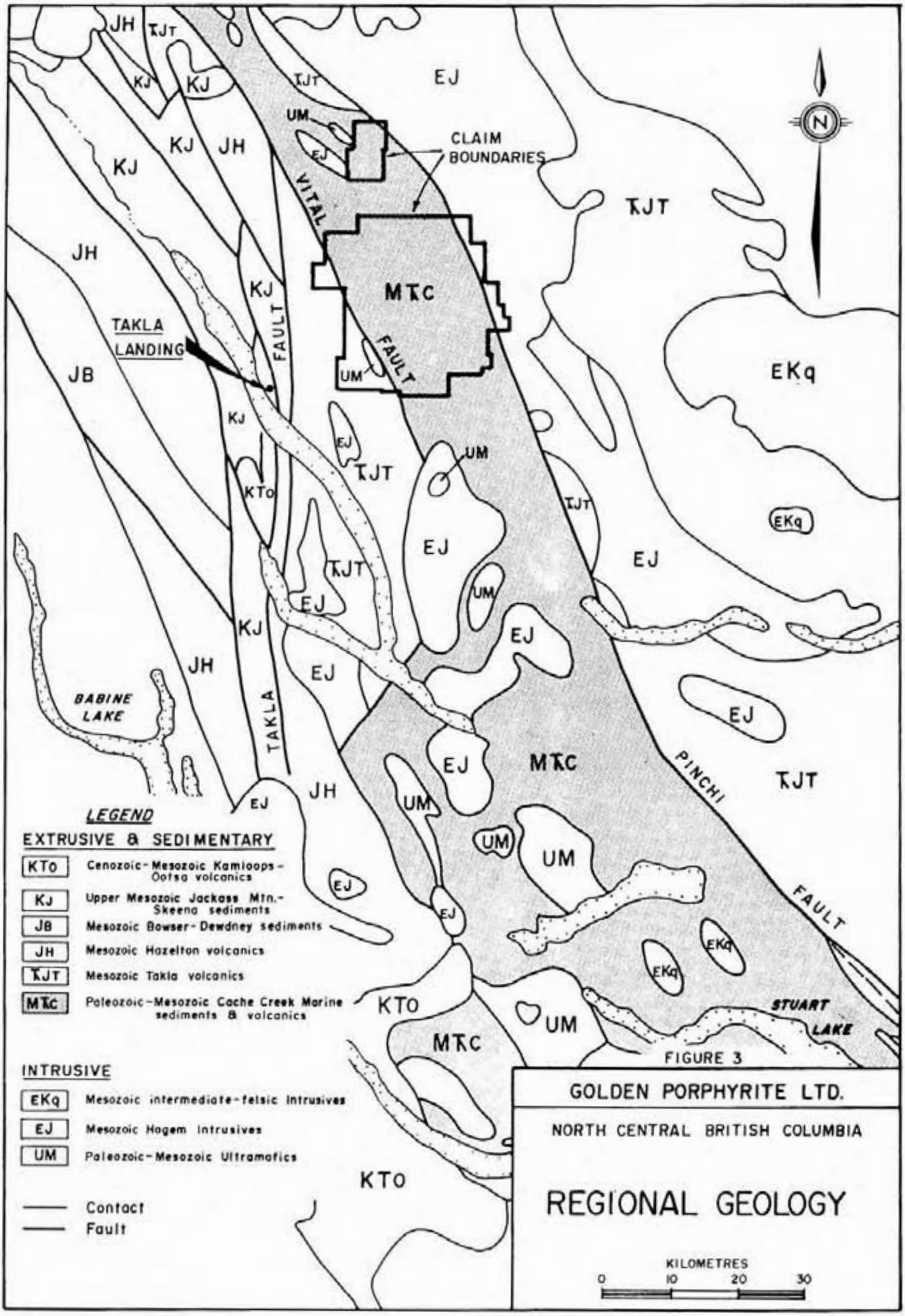
The property is situated in the Omineca Tectonic Belt of the Canadian Cordillera. It lies approximately midway between the Vital and Pinchi faults and is underlain by the Permo-Triassic Cache Creek Group, first mapped in this area in the early 1940's by the Geological Survey of Canada and later in 1974. The Cache Creek Group consists of highly deformed phyllite, chert and argillite with local greywacke and contains discontinuous bodies of carbonate and metavolcanic rocks. This group is separated from the Jurassic Hogem Batholith by the Pinchi Fault, (fig. 3).

Local Geology

The Humphrey property was geologically mapped and prospected at a scale of 1:20,000 predominantly along ridge crests and slopes, over an area of 35 km^2.

Units of the Cache Creek Group present within the Humphrey property are: andesite, argillite, cherty argillite, gabbro, limestone, phyllite, quartz-mariposite-ankerite, serpentinite and intermediate to felsic igneous rocks, with Mesozoic-Tertiary aplitic intrusions, (fig. 4).

Andesite is green to black in color, weathers black, is massive, rarely displays bedding but may be transitional to the tuff units. The cherty argillite member is grey-black and is frequently interlaminated with chert on a 1 - 10 mm scale. This unit displays well developed foliation parallel or sub-parallel


JH
TJT
KJ
EJ
UM
CLAIM BOUNDARIES
VITAL
MTc
FAULT
TAKLA LANDING
JB
EKq
KTo
BABINE LAKE
TAKLA
PINCHI
STUART LAKE
N
LEGEND
EXTRUSIVE & SEDIMENTARY
KTo Cenozoic-Mesozoic Kamloops-Ootsa volcanics
KJ Upper Mesozoic Jackass Mtn.-Skeena sediments
JB Mesozoic Bowser-Dewdney sediments
JH Mesozoic Hazelton volcanics
TJT Mesozoic Takla volcanics
MTc Paleozoic-Mesozoic Cache Creek Marine sediments & volcanics
INTRUSIVE
EKq Mesozoic intermediate-felsic intrusives
EJ Mesozoic Hogem intrusives
UM Paleozoic-Mesozoic Ultramafics
Contact
Fault
FIGURE 3
GOLDEN PORPHYRITE LTD.
NORTH CENTRAL BRITISH COLUMBIA
REGIONAL GEOLOGY
KILOMETRES
0 10 20 30

to the original bedding. The argillite to black, cherty and foliated. It occurs adjacent to and probably contained within the serpentinites. It is iron stained in part.

The gabbro is light grey in colour, medium grained, clearly intrusive and intruded by the aplite intrusions. The phyllite units are green-grey to black in colour and frequently display foliation parallel, or at an acute angle to the bedding. Alternate lamination of chert and phyllite on a 1 - 10 mm scale, occurs locally.

The quartz-mariposite-ankerite unit is white-brown-green in colour, is massive and featureless, it is not possible to determine a strike or dip for this unit. It consists of coarsely crystalline quartz, mariposite and ankerite with pyrite, pyrrhotite and magnetite. The original nature of this unit is unknown, but it is thought to be an alteration product of the adjacent ultramafic units. Serpentinite is dark green-black in colour and weathers orange-brown in part. It is massive, frequently sheared and contains talc (steatite) and chrysolite veinlets, 1 - 15 mm wide, together with coarsely crystalline actinolite and tremolite.

The intermediate to felsic igneous rocks are grey in colour and weather orange brown. The have a grey fine grained matrix supporting euhedral phenocrysts of brown plagioclase and glassy quartz ± accessory pyrite. These are thought to occur as small often isolated lenses 5 - 10 m thick, 30 - 50 m wide with an unknown length, or as closely spaced 'en echelon' lenses, for example near the legal corner post of claims Jo 38, 39, 48 and 49.

The aplitic intrusions are thought to be of Mesozoic-Tertiary age. The aplites are fine grained, sugary, white to pink to grey in colour, 1 - 5 m thick and form sub-horizontal sheets cutting across the steeply dipping cherty argillite.

A stratigraphic sequence for the Cache Creek Group present on this Property has yet to be determined.

Most of the Cache Creek Group units strike north to northwest with a predominantly steep dips to the east and west. Bedding and foliation are parallel or sub-parallel with the latter thought to have developed parallel to the north-south fold axes. Folding has resulted in the formation of antiforms and synforms. The phyllites and argillites are isoclinally folded in part and appear to have behaved incompetently with respect to the more competent andesites and serpentinites.

The Cache Creek Group units have undergone low grade regional metamorphism of the greenschist facies. This has resulted in the alteration of the original argillaceous sediments to argillite and phyllite. Studies by the Geological Survey have revealed that the andesitic volcanic units now contain tremolite + albite + chlorite + sphere ± epidote ± glaucophane ± stilpnomelane ± calcite ± dolomite ± white mica.

GEOCHEMICAL SURVEY

A total of 177 soil samples were collected using the constant contour method around areas previously geologically mapped, prospected and showing signs of economic potential according to the model. Soil samples were taken from the "B" horizon at 50 m. intervals along a line of constant elevation. Once extracted the soil was described and sealed in a wet-strength kraft bag for analysis. The average sample depth was approximately 20 cm. Analysis for gold was conducted at Min-En Labs, 705 West 15th Street, North Vancouver, B.C. All samples were dried and crushed in a ceramic plated pulverizer to - 100 mesh. Five (5) gram portions were then pretreated with a 5% HNO_3 and 70% $HClO_4$ mixture for one hour, digested with aqua regia, twice to dryness and taken up to 100 ml in 25% HCl. Gold was then extracted as a bromide complex into Methyl Iso Butyl Ketone and analyzed via atomic absorption with a 5 parts per billion (ppb) detection limit.

In the process of mapping a total of 168 1 kg rock-chip samples were taken (see Appendix B). These samples were also analyzed by Min-En Labs for gold using the above procedure.

At a later date, all sample pulps were analyzed for silver by Chemex Labs, 212 Brooksbank Avenue, North Vancouver, B.C. Silver analysis required 1 gram portions of each sample to be digested in a 20% $HClO_4$ - 4% HNO_3 mixture for approximately 2 hours. The digested sample was then cooled and made up to 25 ml with distilled water. The solution was then mixed and solids were allowed to settle. Silver concentration was then determined using corrected atomic absorption techniques with a detection limit of 0.1 parts per million, (ppm).

The location of three areas with anomalous rock chip gold values were determined:

1. A major anomalous rock chip geochemical zone was outlined for gold at the junction of claims Jo 38, 39, 48 and 49. Values of 35, 40, 50, 60, 135, 185, 240, 290, 430, 480, 2,500 and 4,000, (0.13 oz/ton), were obtained from this zone from the intermediate to felsic igneous rocks. A closely spaced 'en echelon' group of intermediate to felsic igneous rock units are present at this locality. This zone is within the drainage basin of Humphrey Creek.

2. Value of 30 and 245 ppb Au were obtained from intermediate to felsic igneous rocks and their enclosing sediments from the north-central portion of the property in Jo 40.

3. Value of 50 and 75 ppb Au were obtained from the northwest portion of the property, in Jo 38, from intermediate to felsic igneous rocks enclosed in serpentinite, (fig. 5 and 6).

Anomalous gold geochemical soil values were obtained from three areas on the Property:

1. Three consecutive samples with values of 780, 550 and 35 ppb are present over a distance of 150 m, in Jo 38, The gold present in these samples is thought to be derived from intermediate to felsic igneous rocks enclosed by serpentinite.

2. Four samples with values of 45, 35, 160 and 45 ppb are present on the south side of the east-west trending ridge, in Jo 48, probable derived from intermediate to felsic igneous rocks enclosed by serpentinites.

3. A value of 140 ppb was obtained upslope from Humphrey Creek, (fig. 7).

Anomalous silver values were obtained from two areas on the Property:

1. At the junction of claims 38, 39, 48 and 49. Values of 1.2, 3.3 and 17.0 ppm Ag. (0.5 oz/ton), were obtained from this zone from intermediate to felsic igneous rocks.

2. Values of 1.0, 1.1 and 2.1 ppm Ag, were obtained from the area upslope from Humphrey Creek on the east side of the claim block, (fig. 8).

HEAVY SEDIMENT SAMPLING

Heavy sediment samples were taken at sevev localities on the Property and approximately 0.2 m^3 of material was processed at each locality, (fig. 5). The concentrate in each case was panned down and a value on a scale from 0 to 10 was assigned dependent upon the numbers of 'colours' present. An absence of 'colours' would characterize the 0 end member and 100 to 200 'colours' the 10 end member of this scale.

Each of the heavy sediment samples taken from the property returned values of 1 on the scale of 1 - 10. Sample, #14 taken from a locality on Humphrey Creek, just outside the claim block, returned a value of 4. A major anomalous zone is present within the drainage basin of Humphrey Creek, upstream from this sample locality, near the junction of Jo 38, 39, 48 and 49. A soil value of 140 ppb Au was obtained from Jo 40 directly upslope from Humphrey Creek.

CONCLUSIONS

The 1983 reconnaissance programme revealed the presence of a number of areas with major anomalous gold and silver values.

A detailed programme of additional heavy mineral sampling, soil sampling and detailed geological traverses are required during the next field season together with detailed investigations, trenching, and possibly geophysics and diamond drilling in the vicinity of the 4000 ppb Au, 17 ppm Ag sample.

COST STATEMENT

WAGES:	2 people @ $200/day inc benefits for 7.15 days	1,430.00
	7 people @ $115/day inc benefits for 29 days	3,335.00
	2 people @ $143.75/day inc benefits for 10.5 days	1,510.28
	4 people @ $57.5/day inc benefits for 11 days	632.50
	2 people @ $92/day inc benefits for 5.0 days	460.00
		$ 7,367.78
SAMPLES:	168 rocks @ $7.25 Au	1,218.00
	177 soils @ $6.25 Au	1,106.25
	345 rocks and soils @ $1.75 Ag	603.75
		$ 2,928.00
ROOM:	52.2 man days @ $11.30/man day	$ 589.97
BOARD:	52.2 man days at $17.40/man day	$ 909.29
HELICOPTER:	Hughes 500D - 6.50 hours at $550/hour (incl. fuel)	$ 3,576.14
GROUND AND FIXED WING TRANSPORT	Vancouver to Project area and return	$ 1,236.00
EQUIPMENT	Purchase, rental and repair and consumables	$ 1,524.72
OFFICE	Drafting, mapping, interim report preparation and office overhead	$ 2,174.27
MANAGEMENT FEE		$ 2,030.62
TOTAL		$22,336.78

QUALIFICATIONS

I, H.S. Macfarlane, do hereby certify:

1. That I am a geologist with business office at #403-750 West Pender Street, Vancouver, B.C. V6C 2T7 and employed by Golden Porphyrite Ltd.

2. That I am a graduate in geology of the University of London (B.Sc. Honours, 1976) and of the University of Leicester (M.Sc., 1981).

3. That I am a Member of the Institution of Mining and Metallurgy, London, and a Registered Chartered Engineer with the Engineering Council, London.

4. That I have practiced by profession as a geologist for the past seven years.

5. That I personally supervised the field work and assessed the data resulting from the geological and geochemical surveys on the Jo 38-40, 48-50 and 59 mineral claims.

H.S. Macfarlane, M.Sc.

Dated at Vancouver, British Columbia, this ____ day of May, 1984.

APPENDIX A

Geochemical Sample Results

description	Ag ppm	Au ppb
T304ASJ-0189	0.1	20
T304ASJ-0190	0.1	15
T304ASJ-0191	0.1	5
T304ASJ-0192	0.1	160
T304ASJ-0193	0.1	10
T304ASJ-0194	0.1	35
T304ASJ-0195	0.1	10
T304ASJ-0196	0.1	10
T304ASJ-0197	0.1	15
T304ASJ-0198	0.1	5
T304ASJ-0199	0.1	5
T304ASJ-0200	0.1	10
T304ASJ-0201	0.1	15
T304ASJ-0202	0.1	5
T304ASJ-0203	0.1	45
T304ARB-0043	0.1	5
T304ARB-0044	0.1	15
T304ARB-0046	0.2	25
T304ARB-0047	0.1	20
T304ARB-0048	0.1	10
T304ARB-0049	0.1	5
T304ARB-0050	0.1	5
T304ARB-0051	0.6	75
T304ARB-0052	0.1	50
T304ARB-0053	0.1	5
T304ARE-0017	0.1	25
T304ARE-0045	0.1	<5
T304ARE-0050	0.1	10

T304ARC-0040	0.2	5
T304ARC-0041	0.3	10
T304ARC-0042	0.1	5
T304ARC-0045	0.2	5
T304ARC-0050	0.1	15
T304ARC-0053	0.3	10
T304ARE-0016	0.1	5
T304ARE-0018	0.2	5
T304ARE-0019	0.3	5
T304ARE-0020	0.1	10
T304ARE-0021	0.4	5
T304ARE-0022	0.4	5
T304ARE-0023	0.1	10
T304ARE-0024	0.4	5
T304ARE-0025	0.1	5
T304ARE-0026	0.1	10
T304ARE-0027	0.6	5
T304ARE-0028	0.2	5
T304ARE-0029	0.1	5
T304ARE-0030	0.7	10
T304ARE-0031	0.8	5
T304ARE-0032	0.7	5
T304ARE-0033	0.1	10
T304ARE-0034	0.4	5
T304ARE-0035	0.1	10
T304ARE-0036	0.3	5
T304ARE-0037	0.1	5
T304ARE-0038	17.0	4000
T304ARE-0039	0.2	10
T304ARE-0040	0.1	240
T304ARE-0041	0.6	290
T304ARE-0042	0.8	480
T304ARE-0043	0.1	5
T304ARE-0044	0.1	5
T304ARE-0046	0.1	5
T304ARE-0047	0.1	5
T304ARE-0048	0.1	5
T304ARE-0049	0.1	10
T304ARE-0051	0.1	5
T304ARE-0052	0.1	10
T304ARE-0053	0.1	5
T304ARE-0054	0.2	5
T304ARE-0055	0.1	5
T304ARE-0056	0.4	10
T304ARC-0070	0.1	5
T304ARC-0072	0.1	10
T304ARC-0073	0.1	5
T304ARE-0152	0.1	25
T304ARE-0153	0.1	10
T304ARE-0154	0.1	5
T304ARE-0155	0.1	5
T304ARE-0156	0.1	10
T304ARE-0157	0.1	5
T304ARE-0158	0.1	5
T304ARE-0159	0.1	10
T304ARE-0160	0.1	5
T304ARE-0161	0.1	185
T304ARE-0162	0.1	10

Sample	Ag ppm	Au ppb
T304ASD-0238	0.4	5
T304ASD-0239	0.5	5
T304ASD-0240	0.6	10
T304ASD-0241	0.4	15
T304ASD-0242	0.4	5
T304ASD-0243	0.4	5
T304ASD-0244	0.3	10
T304ASF-0042	0.1	5
T304ASF-0043	0.2	5
T304ASF-0048	0.3	10
T304ASG-0133	0.2	5
T304ASG-0134	0.3	10
T304ASG-0135	0.2	5
T304ASG-0136	0.3	10
T304ASG-0137	0.2	<5
T304ASG-0138	0.1	5
T304ASG-0139	0.2	5
T304ASG-0140	0.1	5
T304ASG-0141	0.1	<5
T304ASG-0142	0.2	5
T304ASG-0143	0.1	10
T304ASG-0144	0.2	<5
T304ASG-0145	0.2	15
T304ASG-0146	0.2	5
T304ASG-0147	0.2	<5
T304ASG-0149	0.2	10
T304ASG-0150	0.1	5
T304ASG-0151	0.2	5
T304ASG-0152	0.1	<5
T304ASG-0153	0.1	5
T304ASG-0154	0.1	<5
T304ASG-0155	0.2	5
T304ASG-0156	0.1	10
T304ASG-0157	0.1	5
T304ASG-0158	0.1	<5
T304ASG-0159	0.1	<5
T304ASG-0160	0.1	5
T304ASG-0161	0.1	<5
T304ASG-0162	0.1	<5
T304ASG-0163	0.2	10
T304ASG-0164	0.1	5
T304ASG-0165	0.1	5
T304ASG-0166	0.1	5
T304ASG-0167	0.1	5
T304ASG-0168	0.1	5
T304ASG-0169	0.1	10
T304ASG-0170	0.1	5
T304ASG-0171	0.1	5
T304ASG-0172	0.1	<5
T304ASG-0173	0.1	5
T304ASH-0037	2.1	20
T304ASH-0038	1.1	5
T304ASD-0230	0.4	5
T304ASD-0231	0.4	5
T304ASD-0232	0.4	5
T304ASD-0233	0.3	<5
T304ASD-0234	0.4	140
T304ASD-0235	0.9	15
T304ASD-0236	0.8	5
T304ASD-0237	0.3	10

description	Ag ppm	Au ppb
T304ARE-0057	0.1	10
T304ARE-0058	0.1	5
T304ARE-0059	0.1	5
T304ARE-0060	0.1	5
T304ARE-0061	0.1	5
T304ARE-0062	0.1	5
T304ARE-0063	0.1	245
T304ARE-0064	0.2	30
T304ARF-0040	0.1	5
T304ARF-0041	0.1	10
T304ARF-0044	0.1	10
T304ARF-0045	0.1	15
T304ARF-0047	0.1	20
T304ARF-0049	0.1	10
T304ARF-0050	0.1	<5
T304ARF-0051	0.1	5
T304ARF-0052	0.1	5
T304ARF-0053	0.1	5
T304ARF-0054	0.1	20
T304ARF-0055	0.1	30
T304ARF-0056	0.3	15
T304ARF-0062	0.2	5
T304ARF-0063	1.0	10
T304ARF-0064	0.1	5
T304ARF-0065	0.1	10
T304ASB-0045	0.1	10
T304ASD-0408	0.1	5
T304ASD-0409	0.1	5
T304ASD-0410	0.1	5
T304ASD-0411	0.2	15
T304ASD-0413	0.1	5
T304ASD-0414	0.1	5
T304ASD-0415	0.2	25
T304ASD-0416	0.2	5
T304ASD-0417	0.2	10
T304ASD-0418	0.1	5
T304ASD-0419	0.1	5
T304ASD-0420	0.1	5
T304ASJ-0164	0.1	10
T304ASJ-0165	0.1	5
T304ASJ-0166	0.1	5
T304ASJ-0167	0.1	20
T304ASJ-0168	0.1	5
T304ASJ-0169	0.1	10
T304ASJ-0170	0.1	15
T304ASJ-0171	0.1	5
T304ASJ-0172	0.1	5
T304ASJ-0173	0.1	10
T304ASJ-0174	0.1	5
T304ASJ-0175	0.1	10
T304ASJ-0176	0.1	5
T304ASJ-0177	0.1	5
T304ASJ-0178	0.1	10
T304ASJ-0179	0.1	5
T304ASJ-0180	0.1	45
T304ASJ-0182	0.1	5
T304ASJ-0183	0.1	5
T304ASJ-0184	0.1	5
T304ASJ-0185	0.1	10
T304ASJ-0186	0.1	15
T304ASJ-0187	0.1	5
T304ASJ-0188	0.1	5

Sample	Ag ppm	Au ppb
T304ASD-0194	0.3	35
T304ASD-0195	0.2	780
T304ASD-0196	0.5	550
T304ASD-0197	0.1	5
T304ASD-0198	0.1	<5
T304ASD-0199	0.1	<5
T304ASD-0200	0.2	5
T304ASD-0201	0.1	5
T304ASD-0202	0.2	5
T304ASD-0203	0.1	5
T304ASD-0204	0.1	20
T304ASD-0205	0.2	10
T304ASD-0206	0.2	10
T304ASD-0207	0.2	5
T304ASD-0208	0.1	5
T304ASD-0209	0.2	10
T304ASD-0210	0.4	20
T304ASD-0211	0.8	35
T304ASD-0212	0.2	20
T304ASD-0213	0.3	10
T304ASD-0214	0.3	5
T304ASD-0215	0.2	5
T304ASD-0216	0.2	5
T304ASD-0217	0.2	10
T304ASD-0218	0.2	20
T304ASD-0219	0.2	20
T304ASD-0220	0.1	5
T304ASD-0221	0.2	30
T304ASD-0222	0.2	5
T304ASD-0223	0.1	5
T304ASD-0224	0.2	10
T304ASD-0225	0.1	5
T304ASD-0226	0.1	10
T304ASD-0227	0.1	5
T304ASD-0228	0.1	5
T304ASD-0229	0.1	25
T304ASD-0382	0.1	10
T304ASD-0383	0.2	10
T304ASD-0384	0.2	5
T304ASD-0385	0.2	5
T304ASD-0386	0.2	5
T304ASD-0388	0.2	5
T304ASD-0389	0.2	15
T304ASD-0390	0.3	10
T304ASD-0391	0.2	5
T304ASD-0392	0.2	10
T304ASD-0393	0.2	25
T304ASD-0394	0.1	10
T304ASD-0395	0.2	5
T304ASD-0396	0.2	5
T304ASD-0397	0.2	5
T304ASD-0398	0.2	10
T304ASD-0399	0.2	5
T304ASD-0400	0.3	5
T304ASD-0401	0.2	10
T304ASD-0402	0.2	20
T304ASD-0403	0.2	10
T304ASD-0404	0.2	15
T304ASD-0405	0.2	15
T304ASD-0406	0.3	5
T304ASD-0407	0.2	5
T304ASK-0197B	0.1	10

Sample	Ag ppm	Au ppb
T304ARE-0163	0.1	5
T304ARE-0164	0.1	5
T304ARE-0165	0.1	15
T304ARE-0166	0.1	10
T304ARE-0167	0.1	5
T304ARE-0168	0.1	10
T304ARE-0169	3.3	60
T304ARE-0170	0.1	15
T304ARE-0171	0.1	5
T304ARE-0172	0.1	20
T304ARE-0173	0.1	10
T304ARE-0174	0.1	5
T304ARE-0175	0.2	10
T304ARE-0176	0.1	15
T304ARE-0177	0.1	5
T304ARE-0178	0.1	20
T304ARE-0179	0.1	5
T304ARE-0180	0.1	5
T304ARE-0181	0.1	10
T304ARE-0182	0.1	35
T304ARE-0183	0.1	10
T304ARE-0184	0.3	2500
T304ARE-0185	0.1	290
T304ARE-0186	0.1	15
T304ARF-0106	0.1	50
T304ARF-0107	0.1	5
T304ARF-0109	0.1	10
T304ARF-0111	0.1	5
T304ARH-0020	0.1	5
T304ARH-0024	0.1	5
T304ARH-0025	0.1	5
T304ARH-0026	0.2	10
T304ARH-0027	0.1	15
T304ARH-0030	0.1	15
T304ARH-0031	0.1	10
T304ARH-0032	0.1	5
T304ARH-0033	0.1	10
T304ARH-0034	0.1	25
T304ARH-0036	0.1	10
T304ARH-0039	0.3	5
T304ARH-0040	0.1	5
T304ARH-0093	0.1	30
T304ARH-0094	0.5	135
T304ARH-0095	1.2	480
T304ARH-0096	0.5	430
T304ARH-0097	0.2	5
T304ARH-0098	0.1	40
T304ARH-0099	0.1	5
T304ARH-0100	0.1	5
T304ARH-0101	0.1	5
T304ARH-0102	0.1	10
T304ARH-0103	0.1	25
T304ARH-0104	0.1	5
T304ARH-0105	0.1	5
T304ARH-0106	0.1	15
T304ARH-0107	0.1	10
T304ARH-0108	0.1	5
T304ARH-0109	0.1	5
T304ARH-0110	0.1	15
T304ASD-0190	0.1	15
T304ASD-0191	0.1	5
T304ASD-0193	0.2	5

APPENDIX B

Rock Chip Sample Descriptions

B	43	Tuff with minor sulfide mineralization
B	44	Quartz-mariposite-ankerite alteration zone
B	45	Silt sample taken down stream from quartz-mariposite-ankerite alteration zone
B	46	Oxidized exhalite with extensive sulfide mineralization
B	47	Quartz-mariposite-ankerite alteration zone
B	48	Serpentenite
B	49	Quartz-mariposite-ankerite alteration zone - in contact with intermediate to felsic igneous rock
B	50	Aplitic intermediate to felsic igneous rock with quartz-ankerite-mariposite intercallations
B	51	Pyritic pink intermediate to felsic igneous rock with quartz veining
B	52	Soft altered quartz ankerite mariposite zone in contact with intermediate to felsic igneous rock
B	53	Intermediate to felsic igneous rock
C	40	Gossanous aplitic intermediate to felsic igneous rock
C	41	Gossanous black chert with quartz stringers
C	42	Gossanous aplitc
C	45	Manganiferous mineralization overlying intermediate to felsic igneous rock
C	50	Gossanous mariposite veinlets
C	53	Limonite stained silicified phyllite
C	55	Gossanous siliceous phyllite
C	70	Siliceous argillite
C	72	Quartz-ankerite-siderite float
C	73	Quartz-ankerite-siderite lense
E	16	Quartz veining in aplite dyke
E	17	Quartz in aplite dyke with sulphides
E	18	Aplite dyke-phyllite contact
E	19	Smokey quartz vein cross cutting phyllite

E 20 Quartz from siliceous zone in phyllite

E 21 Quartz and chert from upper contact of andesite flow

E 22 Quartz and banded chert

E 23 Vuggy quartz from upper contact of andesite flow

E 24 Quartz from silicified chert

E 25 Chert in contact with andesite flow

E 26 Quartz vein cross cutting andesite flow and silicified chert

E 27 Quartz vein in silicified chert

E 28 Smokey quartz near contact of aplite dyke and chert

E 29 Smokey quartz near contact of aplite dyke and chert

E 30 Quartz, mariposite, ankerite with pyrite

E 31 Quartz, mariposite, ankerite float

E 32 Quartz vein

E 33 Quartz from silicified zone of andesite flow

E 34 Quartz, mariposite, ankerite

E 35 Quartz from silicified zone of andesite flow

E 36 Quartz veining in aplite dyke

E 37 Quartz veining in andesite flow with sulphides

E 38 Andesite flow with sulphides

E 39 Quartz veining in aplite dyke and phyllite

E 40 Quartz veining in pyritiferous andesite

E 41 Large quartz vein in pyritifeours andesite

E 42 Large quartz vein in pyritiferous andesite

E 43 Serpentinite

E 44 Massive quartz with mariposite in andesite

E 45 Soil sample on recessive serpentinite

E 46 Serpentinite with quartz veining and leached pyrite crystals

E 47 Quartz with leached pyrite cubes

E 48 Silicified andesite

E 49 Quartz and ankerite

E 50 Soil sample from black gossan close to serpentinite

E 51 Quartz, mariposite, ankerite float

E 52 Quartz with hematite staining

E 53 Silicified andesite

E 54 Quartz, mariposite, ankerite

E 55 Quartz, mariposite, ankerite

E 56 Quartz, mariposite, ankerite

E 57 Quartz from silicified aplite dyke

E 58 Quartz from silicified aplite dyke

E 59 Aplite dyke

E 60 Massive quartz close to contact of aplite dyke and phyllite

E 61 Silicified zone in andesite

E 62 Quartz from highly silicified zone in andesite

E 63 Quartz and ankerite

E 64 Quartz, mariposite, ankerite with pyrite

E 152 Intermediate to felsic igneous rock

E 153 Intermediate to felsic igneous rock with quartz veining and pyrite, poss. manganese present

E 154 Quartz float with pyrite

E 155 Intermediate to felsic igneous rock with pyrite and manganese

E 156 Dark quartz in chert with pyrite

E 157 Intermediate to felsic igneous rock with manganese

E 158 Intermediate to felsic igneous rock with quartz veining

E 159 Silicified pyritiferous chert - intermediate to felsic igneous rock contact

E 160 Quart veining in chert

E 161 Intermediate to felsic igneous rock with quartz and limonite

E 162 Massive quartz vein with pyrite and hematite

E 163 Intermediate to felsic igneous rock

E 164 Silicified breccia zone in intermediate to felsic igneous rock

E 165 Intermediate to felsic igneous rock with hematite and manganese

E 166 Massive quartz vein rich in sulphides

E 167 Intermediate to felsic igneous rock

E 168 Intermediate to felsic igneous rock with quartz veining

E 169 Quartz vein in intermediate to felsic igneous rock with magnetite and pyrite

E 170 Intermediate to felsic igneous rock

E 171 Intermediate to felsic igneous rock with dark mineralization (magnetite?)

E 172 Intermediate to felsic igneous rock with quartz veining pyrite

E 173 Intermediate to felsic igneous rock with quartz veining

E 174 Intermediate to felsic igneous rock with pyrite

E 175 Intermediate to felsic igneous rock

E 176 Quartz vein in intermediate to felsic igneous rock

E 177 Intermediate to felsic igneous rock with mineralization

E 178 Intermediate to felsic igneous rock with quartz veining containing pyrite

E 179 Intermediate to felsic igneous rock with quartz veining containing pyrite

E 180 Intermediate to felsic igneous rock in argillite

E 181 Smokey quartz from argillite - intermediate to felsic igneous rock contact

E 182 Silicified argillite from contact zone with intermediate to felsic igneous rock

E 183 Quartz veining in intermediate to felsic igneous rock

E 184 Quartz veining in intermediate to felsic igneous rock

E 185 Extensive quartz vein swarm containing pyrite in intermediate to felsic igneous rock

E 186 Intermediate to felsic igneous rock

F 40 Pyritic aplite dike

F 41 Intermediate to felsic igneous rock with weathered sulfides

F 42 Soil derived in-situ from intermediate to felsic igneous rock with weathered sulfides

F 43 Soil derived in-situ from intermediate to felsic igneous rock with weathered sulfides

F 44 Red syenite

F 45 Gossanous quartz veined phyllite

F 47 Mariposite

F 48 Soil derived in situ from weathered intermediate to felsic igneous rock

F 49 Black argillite

F 51 Weathered black serpentinite

F 52 Gossanous intermediate to felsic igneous rock with mariposite, pyrite and pyrrhotite

F 53 Intermediate to felsic igneous rock

F 54 Intermediate to felsic igneous rock

F 55 Intermediate to felsic igneous rock

F 56 Quartz-carbonate-mariposite veining in gossanous serpentinite

F 60 Gossanous argillite

F 62 Gossanous chertz argillite

F 63 Gossanous chertz phyllite with quartz veining and pyrite

F 64 Grey intermediate to felsic igneous rock with minor disseminated pyrite

F 65 Pyritic intermediate to felsic igneous float

F 106 Pyritic quartz veining in intermediate to felsic igneous rock

F 107 Pyritic phyllitic argillite

F 109 Quartz veining within intermediate to felsic igneous rock with weathered pyrite arbes

F 111 Pyritic quartz veining within intermediate to felsic igneous rock

H 20 Intermediate to felsic igneous rock

H 24 Intermediate to felsic igneous rock

H 25 Tuff with pyrite between limestone and intermediate to felsic igneous rock

H 26 Intermediate to felsic igneous rock with some mineralization

H 27 Skarn with mariposite

H 30 Tuff with heavy manganese stain and pyrite

H 31 Intermediate to felsic igneous rock with mariposite and pyrite

H 32 Intermediate to felsic igneous rock with pyrite

H 33 Talc with pyrite

H 35 Intermediate to felsic igneous rock with pyrite and quartz veining

H 36 Oxidized cherty argillites

H 37 Gossanous soil derived in situ from oxidized cherty argillites

H 38 Gossanous soil derived in situ from oxidized cherty argillites

H 39 Pyritic cherty argillites

H 40 Intermediate to felsic igneous rock with pyrite

H 93 Quartz stringers in intermediate to felsic igneous rock

H 94 Quartz stringers in intermediate to felsic igneous rock

H 95 Quartz stringers with pyrite in intermediate to felsic igneous rock

H 96 Quartz stringers with pyrite in intermediate to felsic igneous rock

H 97 Limestone with pyrite

H 98 Quartz stringers with pyrite in intermediate to felsic igneous rock

H 99 Intermediate to felsic igneous rock with included broken shade and pyrite

H 100 Intermediate to felsic igneous rock with hematite and manganese stained quartz

H 101 Pyritic intermediate to felsic igneous rock with quartz veining

H 102 Pyritic mariposite

H 103 Smokey quartz with pyritic, pyrrhotite and hematite

H 104 Interbedded intermediate to felsic igneous rock and argillite with large quartz stringers

H 105 Intermediate to felsic igneous rock

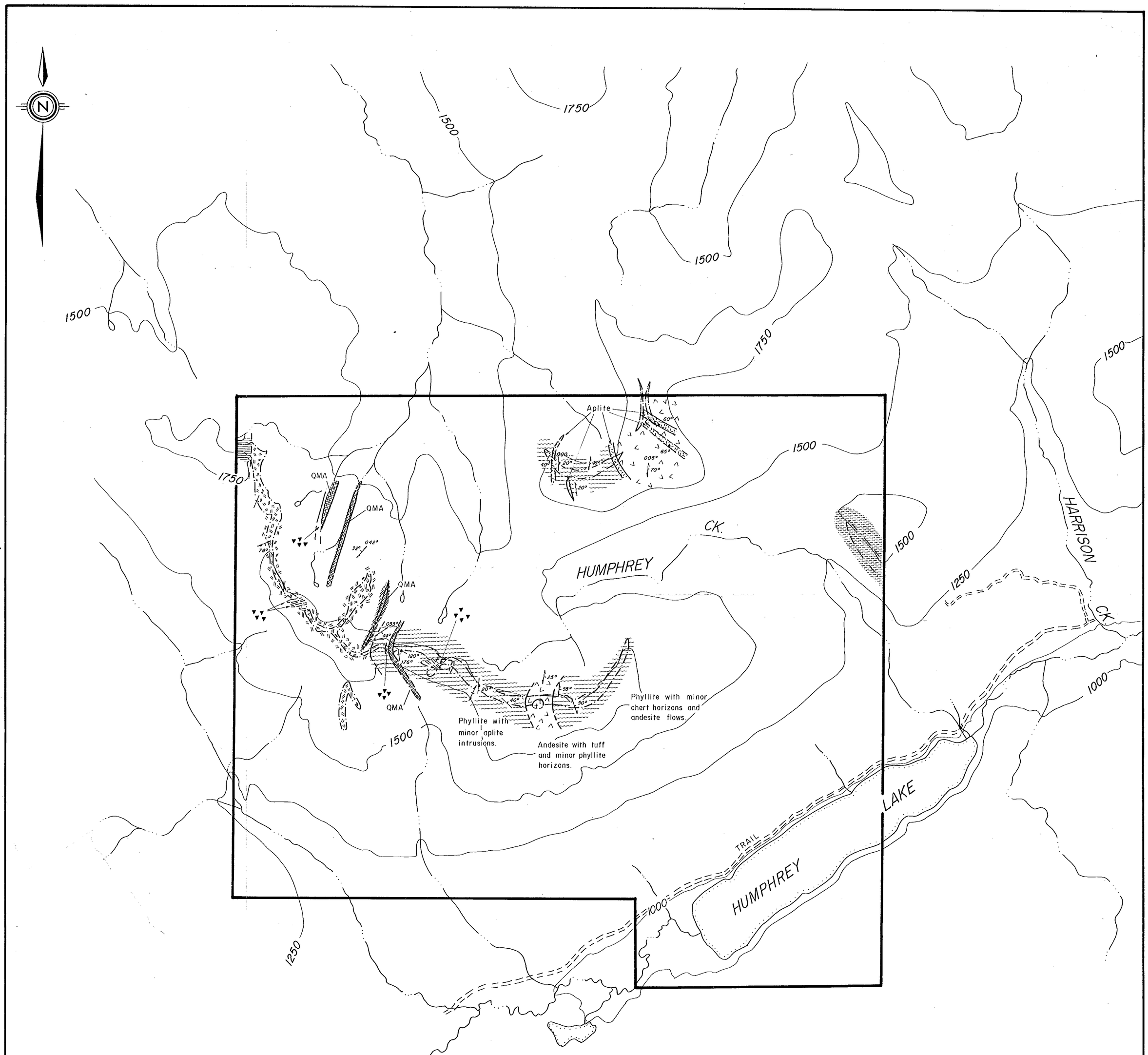
H 106 Intermediate to felsic igneous rock

H 107 Mariposite

H 108 Mariposite

H 109 Mariposite

H 110 Mariposite



STRATIGRAPHY

MESOZOIC TERTIARY

- Minor Aplite intrusions

CACHE CREEK GROUP
PERMO-TRIASSIC

- Andesite flows
- Argillite
- Cherty Argillite, locally phyllitic
- Intermediate-felsic igneous rocks
- Phyllite, locally cherty or quartz rich
- Serpentinite, with Tremolite, Actinolite and Talc.
- Quartz, Mariposite, Ankerite zone
- Gabbro

SYMBOLS

- Bedding; with amount of dip
- Bedding; vertical
- Foliation; with amount of dip
- Foliation; vertical
- Dyke; with amount of dip
- Dyke; vertical
- Geological Contact - very uncertain
- uncertain
- observed
- Outcrop

FIGURE 4

GOLDEN PORPHYRITE LTD.

HUMPHREY PROPERTY

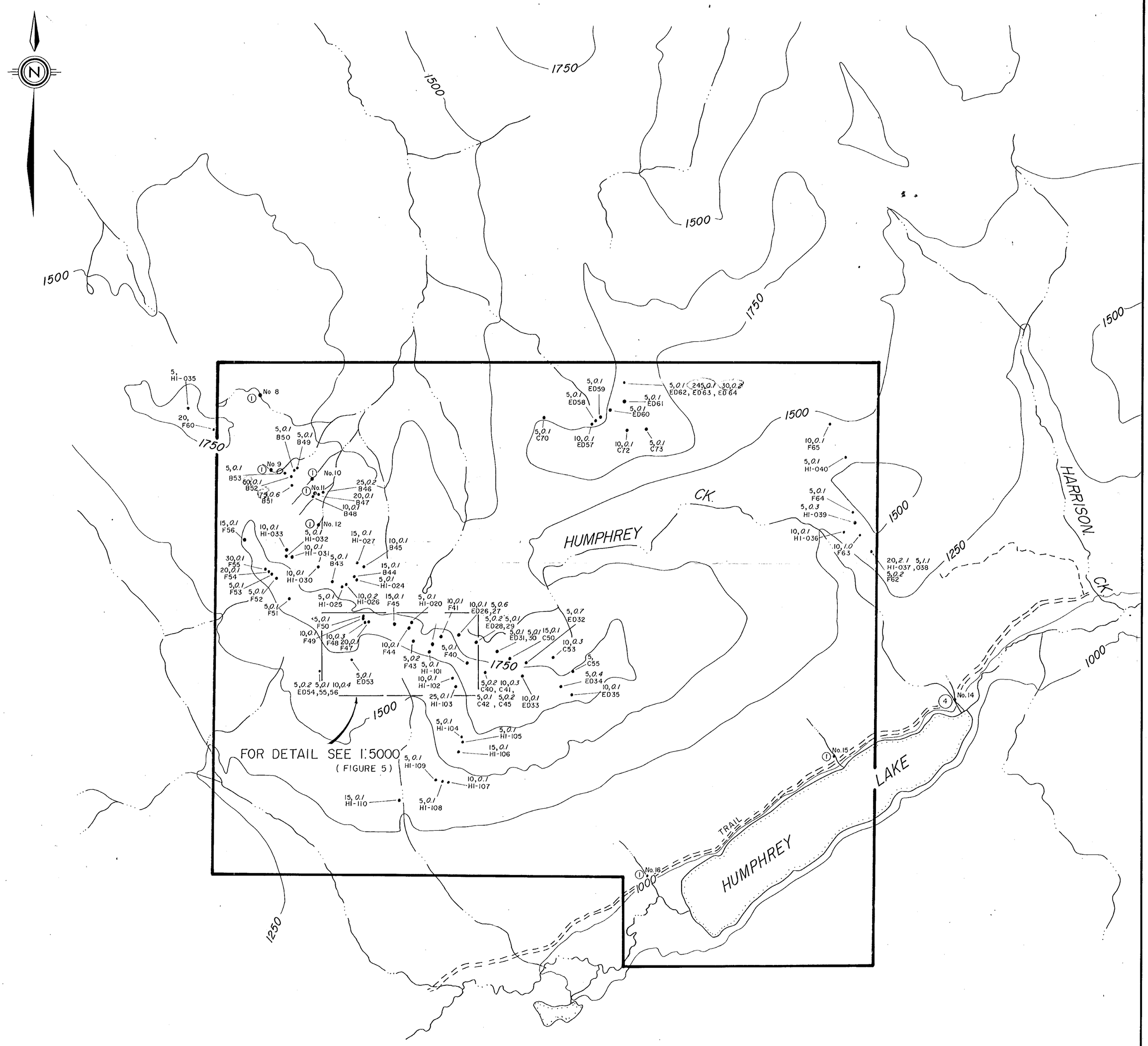
GEOLOGY

GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,548

SCALE IN KILOMETRES

0 .5 1 1.5 2 2.5



LEGEND

5,0.1 / ED54 — Au (ppb), Ag (ppm) / Rock chip sample number

Heavy Sediment Sampling Location

① / No. 16 — Scale of Au from 1 to 10 / Sample number

Scale of Au

0 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

FIGURE 5

GOLDEN PORPHYRITE LTD.

HUMPHREY PROPERTY

ROCK CHIP GEOCHEMICAL AND HEAVY SEDIMENT SAMPLING LOCATION PLAN

SCALE IN KILOMETRES

0 .5 1 1.5 2 2.5

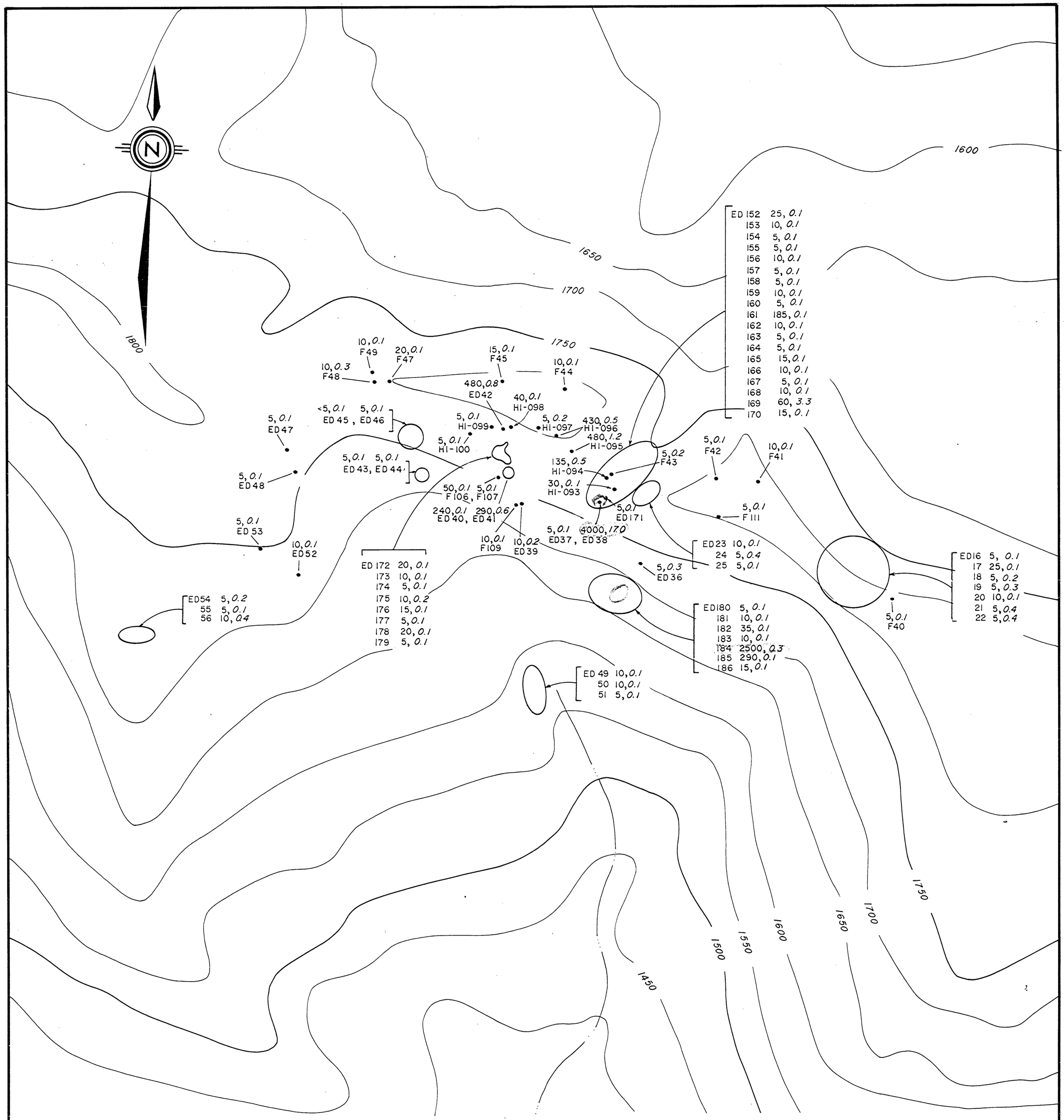


FIGURE 6

LEGEND

5, 0.1 — Au (ppb), Ag (ppm)

ED179 — Rock chip sample number

GOLDEN PORPHYRITE LTD.

HUMPHREY PROPERTY

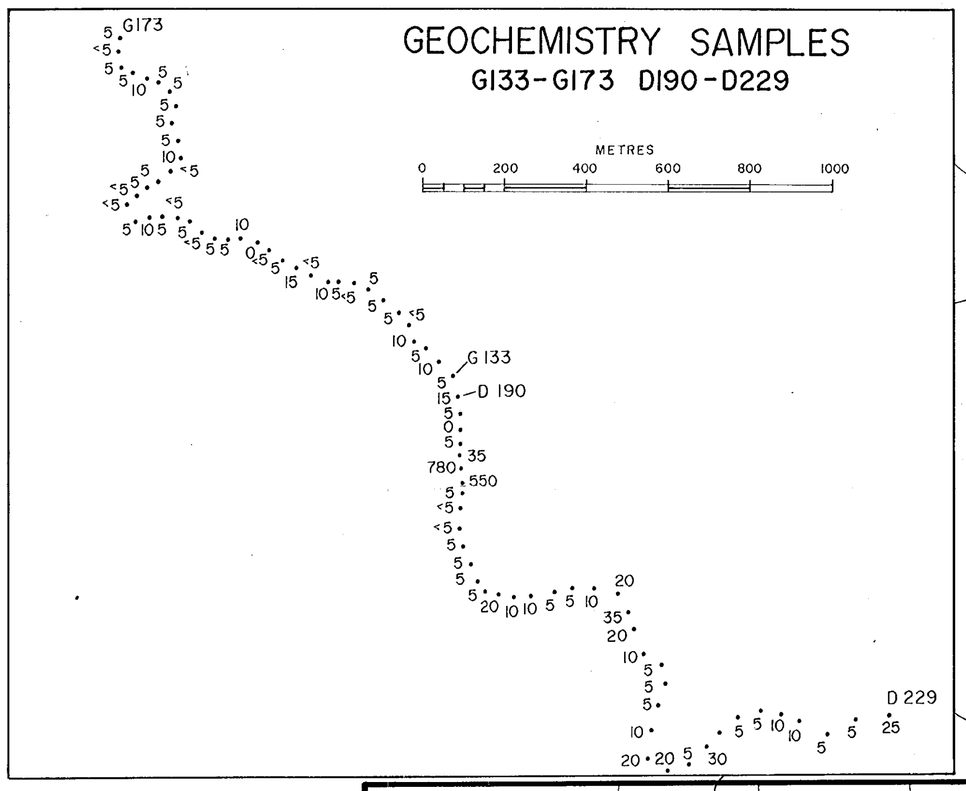
DETAILED ROCK CHIP GEOCHEMICAL LOCATION PLAN

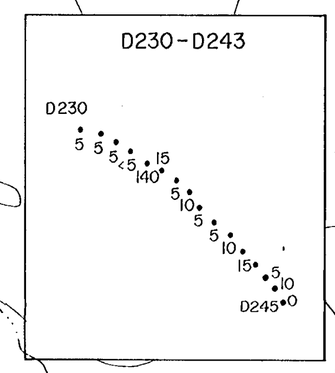
SCALE
M. 0 100 200 300 400 M.

DATE: NOVEMBER, 1983

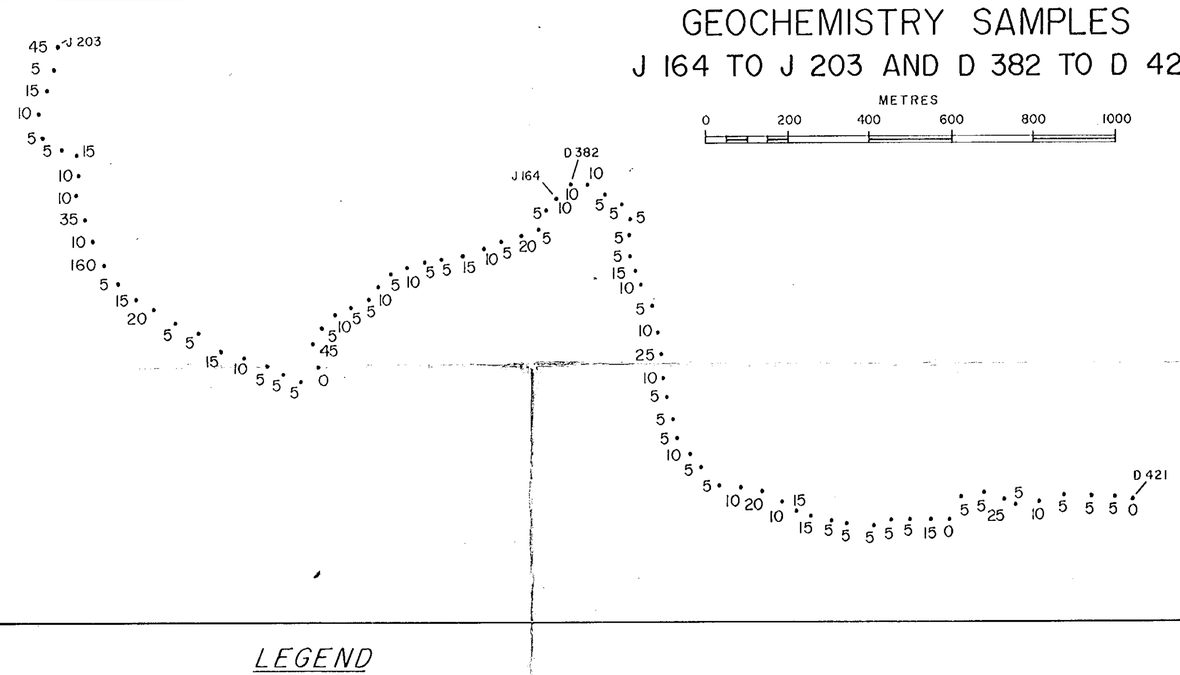
SCALE:

GEOCHEMISTRY SAMPLES
G133-G173 D190-D229





GEOCHEMISTRY SAMPLES
J 164 TO J 203 AND D 382 TO D 421



LEGEND

5	Au (ppb)
D382	Soil sample number
0 •	Indicates sample missing

FIGURE 7

GOLDEN PORPHYRITE LTD.

HUMPHREY PROPERTY

SOIL GEOCHEMICAL LOCATION PLAN

SCALE IN KILOMETRES

0 .5 1 1.5 2 2.5