GOLDEN PORPHYRITE LTD.

1983

ASSESSMENT REPORT

ON THE

GEOLOGICAL AND GEOCHEMICAL SURVEYS

ON THE QUARTZITE CREEK PROPERTY

JO 7 - 9, 15 - 17, 23 - 24 and 30 - 31

OMINECA MINING DIVISION, BRITISH COLUMBIA

55° 41' N, 125° 41' W
N.T.S. 93N/12

OWNER: ARKLATEX PETROLEUM CORPORATION

OPERATOR: GOLDEN PORPHYRITE LTD.

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

MAY 1984

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INTRODUCTION

The Quartzite Creek property, consisting of claims Jo 7-9, 15-17, 23-24 and 30-31 (200 units) is located 25 km northeast of Takla Landing and 135 km northeast of Smithers in the Omineca Mining Division. Its National Topographic Survey location is 93 N/12 E at 55° 41' north latitute and 125° 41' west longitude, (fig 1).

The property was evaluated using a Hughes 500 D helicopter based at Takla Landing, a return trip taking 22 minutes.

The Property encompasses the headwaters of Quartzite Creek, rising from an elevation of 1,550 m above sea level and flowing north within a steeply incised valley. A series of north-south and east-west trending arcuate ridges up to 1,900 m above sea level with cirque basin below, characterize the southern margin of the property. The treeline is at about the 1,600 m level 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.

Quartzite Creek has had a long history of placer gold mining since 1930's. The main workings on the creek are situated 2.4 km above the confluence with the Fall River, approximately 3 km to the north of the property. The recorded production to 1950 is 435 ounces of gold and active operations continue to this day.

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

FIGURE 1

GOLDEN PORPHYRITE LTD.

QUARTZITE CREEK PROPERTY

OMINECA MINING DIVISION, B.C.

LOCATION MAP

KILOMETRES

0 50 100 200 300 400

surrounding creeks. Rocks belonging to the Permo-Triassic Cache Creek Group outcrop within and around the claim block and conform to this model. This model and the gold found in Quartzite Creek make 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 50 km^2. A total of 156 geochemical rock chip and 397 soil samples were collected.

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

Claim Name	No. Units	Tag No.	Owner of Record	Date Located	Date Recorded	Record No.
QUARTZITE 1						
Jo 7	20	69961	Arklatex Petroleum	15.06.83	21.06.83	5238
Jo 15	20	91210	Corporation	09.06.83	21.06.83	5246
Jo 23	20	91218	"	09.06.83	21.06.83	5255
Jo 30	20	91225	"	08.06.83	21.06.83	5262
Jo 31	20	91226	"	08.06.83	21.06.83	5263
QUARTZITE 2						
Jo 8	20	91203	Arklatex	13.06.83	21.06.83	5239
Jo 9	20	91204	Petroleum	13.06.83	21.06.83	5240
Jo 16	20	91211	Corporation	11.06.83	21.06.83	5247
Jo 17	20	91212	"	12.06.83	21.06.83	5248
Jo 24	20	91219	"	09.06.83	21.06.83	5256

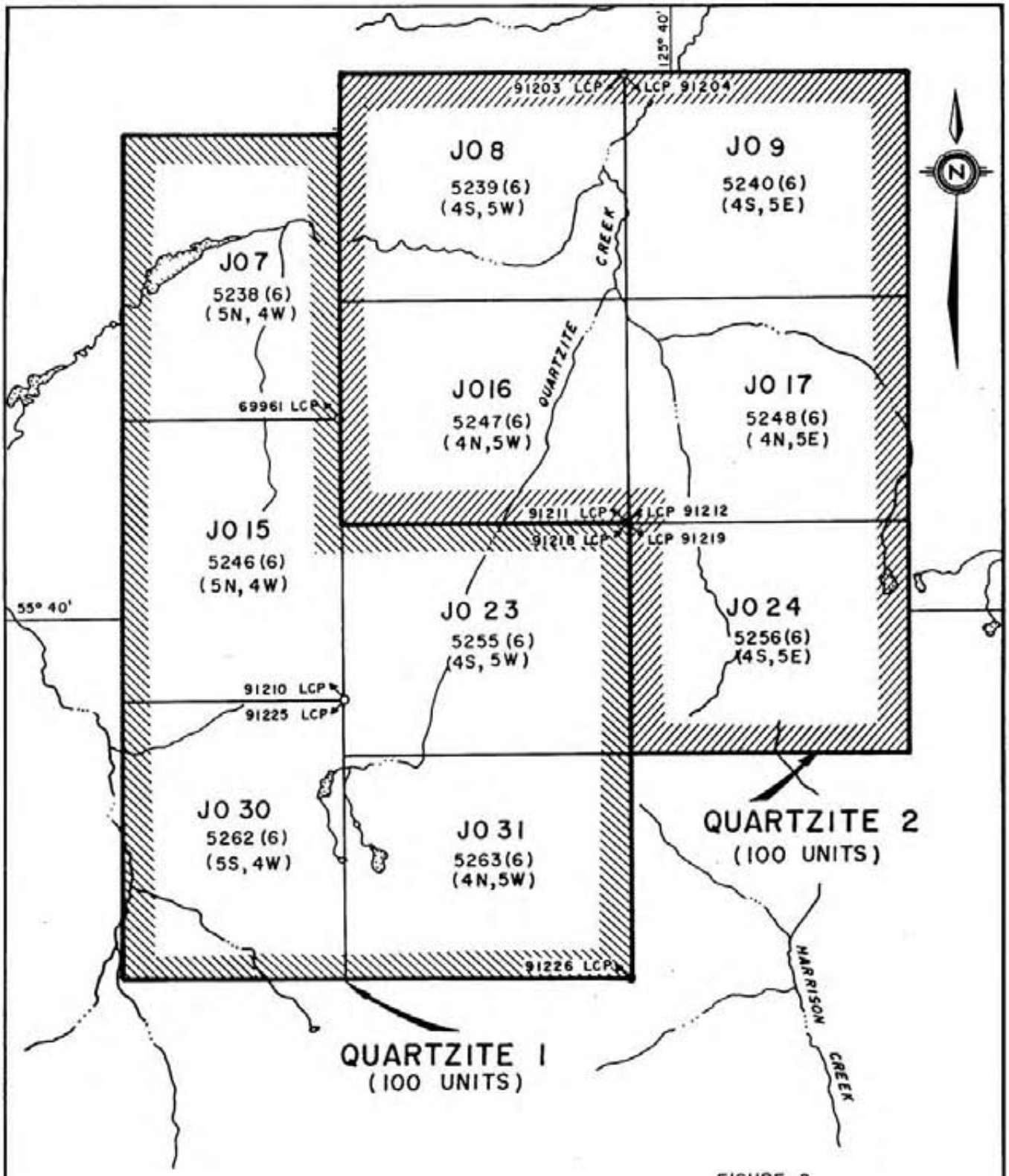


FIGURE 2

GOLDEN PORPHYRITE LTD.

QUARTZITE CREEK PROPERTY

CLAIM MAP

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

KILOMETRES

0 0.5 1 1.5 2

M93N/12E NTS. 93N/12

GEOLOGICAL SURVEY

Regional Geology

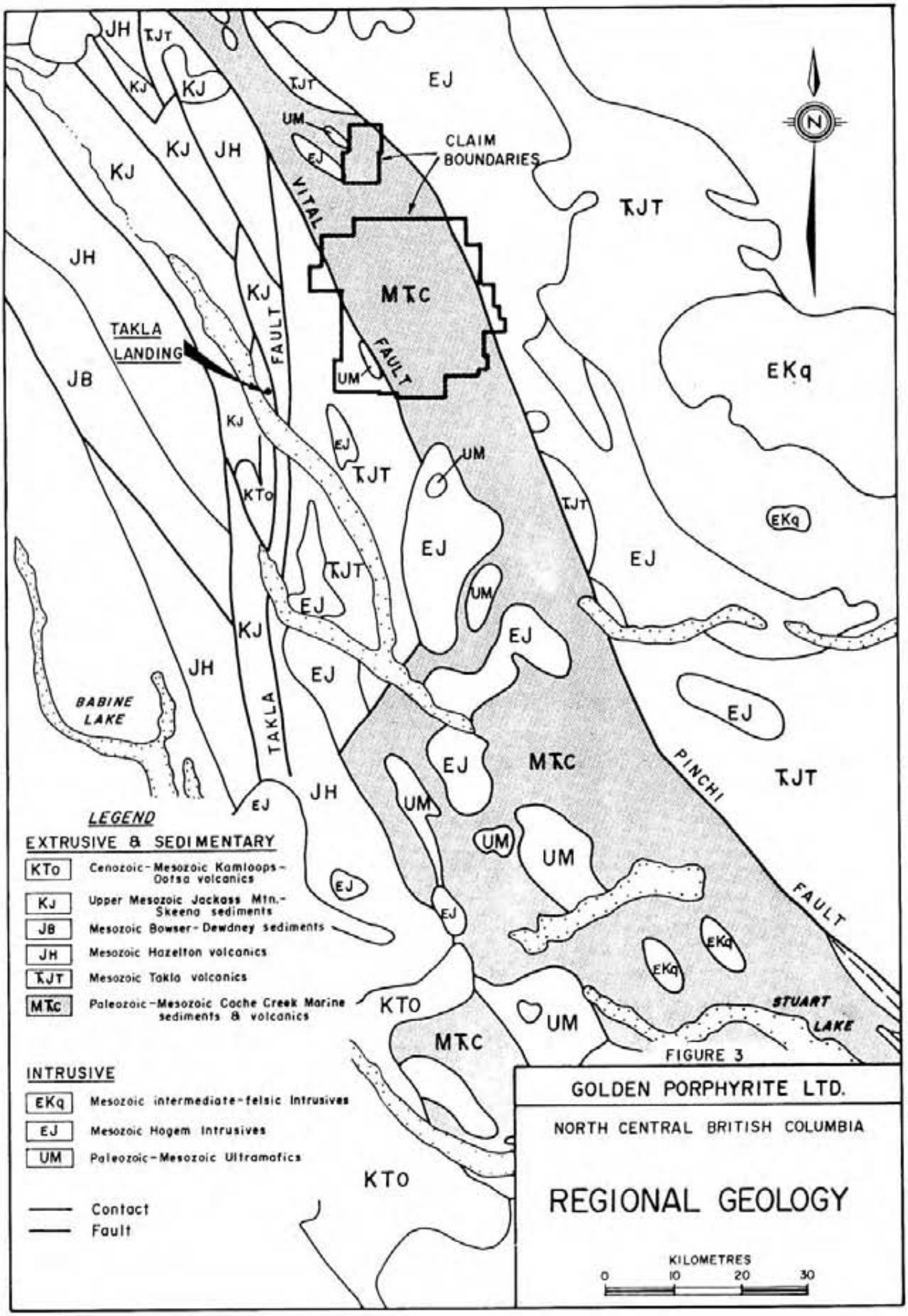
The property is situated in the Omineca Tectonic Belt of the Canadian Cordillera. It lies approximately midway between the Vital and Pinchi faults and is underlain by the Permo-Triassic Cache Creek Group, first mapped in this area in the early 1940's by the Geological Survey of Canada and later in 1974. 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 Quartzite Creek property was geologically mapped and prospected at a scale of 1:20,000 predominantly along ridge crests and slopes, over an area of 50 km^2.

Units of the Cache Creek Group present within this property are: andesite, argillite, cherty argillite, limestone, massive chert, phyllite, tuff, biotite hornblende feldspar porphyry and intermediate to felsic igneous rocks with Mesozoic-Tertiary aplitic intrusions, (fig. 4).

Andesite is green to black in colour, weathers black, is massive, rarely displays bedding but may be transitional to the tuff units. The argillite is black, displays banding which may be the original bedding and is well foliated. This unit has very limited outcrop area and appears to occur near units of the felsic to intermediate igneous rocks. Sulphides, pyrrhotite, have been noted in this unit in the northeast part of the claim block.


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-Oatsa 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

The cherty argillite member is grey-black, is frequently interlaminated with chert on a 1 - 10 mm scale and may be transitional to the argillite and chert units. The cherty argillite displays well developed foliation parallel or sub-parallel to the original bedding. The limestone occurs as thinly bedded to massive units 300 - 400 m wide in surface exposure and is grey to black in colour, recrystallized, dolomitic in part and probably micritic in origin.

Massive chert is pale grey to black in colour and like the argillite has limited outcrop and occurs with units of the intermediate to felsic igneous rocks. This chert unit contains finely disseminated sulphide mineralization, pyrite, in part. 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. Tuff occurs as green to black units fine to medium grained, vesicular, vuggy and probably andesitic in origin. Foliation is well developed in part and is parallel or sub-parallel to the original bedding where seen.

The biotite hornblende feldspar porphyry occurs as a small stock-like intrusion in Jo 9. It consists of biotite, hornblende and feldspar phenocrysts supported in a fine grained matrix with accessory disseminated pyrite. A small metamorphic aureole has developed in the adjacent tuff units as a result of the intrusion.

The intermediate to felsic igneous rocks are grey in colour and weather orange brown. They have a grey fine grained matrix supporting euhedral phenocrysts of brown plagioclase and glassy quartz ± accessory pyrite. Euhedral biotite phenocrysts occur within these units in the northeast part of the Property. These are though to occur as small often isolated lenses 5 - 10 m

thick, 30 - 50 m wide with an unknown length, for example, throughout the ridge in the southwest part of the Property, or as closely spaced 'en echelon' lenses. Outcrop in the northeast part of the Property is thought to be an example of this latter occurrence type.

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, andesite and phyllite.

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 westerly dip. 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 tuffs are isoclinally folded in part and appear to have behaved incompetently with respect to the more competent limestones.

The Cache Creek Group units have undergone low grade regional metamorphism of the greenschist facies. This has resulted in the recrystallization of the limestone and 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 + sphene ± epidote ± glaucophane ± stilpnomelane ± calcite ± dolomite ± white mica. The euhedral biotite phenocrysts present within the intermediate to felsic igneous rocks may be secondary after original hornblende.

GEOCHEMICAL SURVEY

A total of 395 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 133 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).

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

1. A value of 190 ppb was obtained from the southeast corner of a cirque basin directly above the main Quartzite Creek valley.

2. Values of 40, 50, 70 and 90 ppb were obtained from a north-south trending ridge between two tributaries of Quartzite Creek close to the eastern margin of the property.

3. The northeast corner of the property, in Jo 9, has values of 35, 35, 85, and 170 ppb Au, (fig. 7).

The anomalous values obtained at each of the three areas, described above, are presumed to be derived from underlying intermediate to felsic igneous rocks.

Anomalous gold geochemical rock chip values were obtained from two areas on the Property:

1. From the western and southwestern margins of the cirque basin directly above the main Quartzite Creek Valley has values of 40, 150 and 2850 ppb Au.

2. Values of 40, 50, 70 and 235 ppb Au were obtained form intermediate to felsic igneous rocks from the northeast corner of the Property, in Jo 9, (fig. 5 and 6).

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

1. 3 rock and 8 soil samples with values between 1.0 ppm and 4.4 ppm Ag were obtained from the north-south trending ridge between the two tributaries of Quartzite Creek close to eastern margin of the Property

2. 5 rock and 17 soil samples with values between 0.8 and 2.3 ppm Ag are present in the northeast corner of the property in Jo 9.

3. 2 soil samples with values of 1.0 and 1.3 ppm Ag are present in the northwest part of the property in Jo 15.

HEAVY SEDIMENT SAMPLING

Heavy sediment samples were taken at eight localities on the Property and approximately 0.2 m^3 of material was processed at sample #39, 40, 41 and 0.75 m^3 at sample #11, 12, 13, 14 and 15. (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.

The sample location on Quartzite Creek (#40) was assigned a value of 5, and sample #14 was assigned a value of 2 - 3. These samples are presumed to have been derived form sources upstream. Limited access and lack of suitable landing sites for the helicopter precluded a detailed heavy sediment survey during this program.

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 northeast part of the property, in Jo 9 and possibly in areas of the west and southwestern part of the property, in the vicinity of the 2850 ppb Au value.

DETAILED COST STATEMENT

WAGES:	2 people @ $200/day inc benefits for 10.35 days	2,071.68
	6 people @ $115/day inc benefits for 46.1 days	5,301.50
	2 people @ $143.75/day inc benefits for 10.5 days	1,509.38
	4 people @ $57.5/day inc benefits for 15.5 days	891.18
	2 people @ $92/day inc benefits for 4.9 days	450.80
		$10,224.54
SAMPLES:	156 rocks @ $7.25 Au	1,131.00
	397 soils @ $6.75 Au	2,679.75
	553 rocks & soils @ $1.75 Ag	967.75
		$ 4,778.50
ROOM:	74.5 man days @ $11.30/man day	$ 842.23
BOARD:	74.5 man days @ $17.40/man day	$ 1,296.85
HELICOPTER:	Hughes 500D for 9.25 hours @ $550/hour (incl. fuel)	$ 5,085.35
GROUND AND FIXED WING TRANSPORT	Vancouver to Project area and return	$ 1,762.16
EQUIPMENT	Purchase, rental and repair and consumables	$ 2,162.30
OFFICE	Drafting, mapping, interim report preparation and office overhead	$ 3,109.89
MANAGEMENT FEE		$ 2,926.18
TOTAL		$32,188.00

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 7 - 9, 15 - 17, 23 - 24, and 30 - 31 mineral claims.

H.S. Macfarlane, M.Sc.

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

APPENDIX A

Geochemical Sample Results

Sample	Ag ppm	Au ppb
T303 SA-0160	0.4	5
T303 SA-0161	0.2	10
T303 SA-0162	0.6	5
T303 SA-0163	0.9	5
T303 SA-0164	2.8	5
T303 SA-0165	0.3	5
T303 SA-0166	0.5	5
T303 SA-0167	0.4	5
T303 SA-0168	0.3	5
T303 SA-0169	0.4	10
T303 SA-0170	0.4	5
T303 SA-0171	0.2	5
T303 SA-0172	0.1	10
T303 SA-0173	0.1	5
T303 SA-0174	0.5	20
T303 SA-0175	0.2	5
T303 SA-0176	0.4	10
T303 SA-0177	2.0	5
T303 SA-0178	0.2	5
T303 SA-0179	0.1	5
T303 SA-0180	0.2	5
T303 SA-0181	0.2	5
T303 SA-0182	0.4	5
T303 SA-0183	0.8	5
T303 SA-0184	0.4	5
T303 SA-0185	0.2	10
T303 SB-0040	0.5	5
T303 SB-0042	0.7	5
T303 SD-0261	0.1	5
T303 SD-0262	0.2	5
T303 SD-0263	0.4	<5
T303 SD-0264	0.2	5
T303 SD-0265	0.6	10
T303 SD-0266	0.1	5
T303 SD-0267	0.1	5
T303 SD-0269	0.5	5
T303 SD-0270	0.2	5
T303 SD-0271	0.3	5
T303 SD-0272	0.2	5
T303 SD-0273	0.1	10
T303 SD-0274	0.1	5
T303 SD-0275	0.1	5
T303 SD-0276	0.1	5
T303 SD-0277	0.2	15
T303 SD-0278	0.5	5
T303 SD-0279	0.2	5
T303 SD-0280	0.1	10
T303 SD-0281	0.1	5
T303 SD-0282	0.1	5
T303 SD-0283	0.2	5
T303 SD-0284	0.2	10
T303 SD-0285	0.3	5
T303 SD-0286	0.2	5
T303 SD-0287	0.1	5
T303 SD-0288	0.1	5
T303 SD-0289	0.3	5
T303 SD-0290	0.5	5
T303 SD-0291	0.1	5
T303 SD-0292	0.2	15
T303 SD-0293	0.3	5
T303 SD-0294	0.2	5
T303 SD-0295	1.0	5

T303 RC-0075	0.1	5
T303 RC-0076	0.3	10
T303 RC-0077	0.1	40
T303 RE-0205	0.5	25
T303 RE-0206	0.5	5
T303 RE-0207	0.2	5
T303 RE-0208	0.2	5
T303 RE-0209	0.2	10
T303 RE-0210	1.0	20
T303 RE-0211	0.3	15
T303 RE-0212	0.2	10
T303 RE-0213	0.1	5
T303 RE-0214	0.2	10
T303 RE-0215	0.3	90
T303 RE-0216	0.1	235
T303 RE-0217	0.1	15
T303 RE-0218	0.1	10
T303 RE-0219	1.3	40
T303 RE-0220	0.9	25
T303 RE-0221	2.3	50
T303 RE-0222	1.4	25
T303 RE-0223	0.5	5
T303 RE-0224	0.8	15
T303 RE-0225	0.8	10
T303 RE-0226	0.7	15
T303 RE-0227	1.4	5
T303 RE-0228	0.4	5
T303 RE-0229	0.9	10
T303 RE-0230	0.9	45
T303 RE-0231	0.6	15
T303 RE-0232	0.4	10
T303 RF-0136	0.1	5
T303 RF-0137	0.1	5
T303 RF-0138	0.2	10
T303 RF-0139	0.6	5
T303 RF-0140	0.2	15
T303 RF-0141	0.1	10
T303 RF-0142	0.1	10
T303 RF-0143	0.1	5
T303 RF-0144	0.1	5
T303 RF-0145	1.7	10
T303 RF-0146	0.7	10
T303 RF-0147	0.2	70
T303 RF-0148	0.2	15
T303 RF-0149	0.3	10
T303 RF-0150	0.2	20
T303 RH-0041	0.1	5
T303 RH-0126	0.3	5
T303 RH-0127	0.3	5
T303 RH-0128	0.1	5
T303 RH-0129	0.1	5
T303 RH-0130	0.1	5
T303 RH-0131	0.2	5
T303 RH-0132	0.7	10
T303 RH-0133	0.6	5
T303 RH-0134	0.6	5
T303 RH-0135	0.6	5

Description	Ag ppm	Au ppb
T303 SA-0221	0.2	5
T303 SA-0222	0.1	10
T303 SA-0223	0.1	10
T303 SA-0224	0.1	5
T303 SA-0225	0.1	5
T303 SA-0226	0.1	5
T303 SA-0227	0.1	20
T303 SA-0228	0.2	10
T303 SA-0229	0.1	5
T303 SA-0230	0.2	20
T303 SA-0231	0.1	10
T303 SA-0232	0.1	<5
T303 SA-0233	1.0	5
T303 SA-0234	0.1	20
T303 SA-0235	0.1	5
T303 SA-0236	0.1	10
T303 SA-0237	0.1	5
T303 SA-0238	0.1	5
T303 SA-0239	0.1	10
T303 SA-0240	0.1	5
T303 SA-0241	0.1	20
T303 SA-0242	0.1	5
T303 SA-0243	0.1	5
T303 SA-0244	0.1	10
T303 SA-0245	0.1	5
T303 SA-0246	0.1	10
T303 SA-0247	0.1	5
T303 SC-0056	0.5	5
T303 SC-0062	0.1	<5
T303 SC-0082	0.1	5
T303 SC-0088	0.1	5
T303 SC-0088	0.1	<5
T303 SG-0334	0.7	5
T303 SG-0335	0.3	5
T303 SG-0336	0.4	5
T303 SG-0337	0.6	5
T303 SG-0338	0.5	5
T303 SG-0339	0.9	5
T303 SG-0340	0.6	5
T303 SG-0341	0.7	<5
T303 SG-0342	0.6	5
T303 SG-0343	0.6	5
T303 SG-0344	0.6	5
T303 SG-0345	0.5	5
T303 SG-0346	0.6	<5
T303 SG-0347	0.4	5
T303 SG-0348	0.7	5
T303 SG-0349	0.9	5
T303 SG-0350	0.8	<5
T303 RB-0001	0.5	10
T303 RC-0001A	0.5	5
T303 RC-0001B	0.3	5
T303 RC-0004A	0.1	5
T303 RC-0004B	1.3	10
T303 RC-0005	0.3	10
T303 RC-0055	0.6	5
T303 RC-0056	1.0	15
T303 RC-0057	0.3	5
T303 RC-0058	3.2	25
T303 RC-0059	1.3	5
T303 RC-0060	0.8	10
T303 RC-0061	0.5	5
T303 RF-0008	0.5	25

T303 SJ-0117	0.1	10
T303 SJ-0118	0.2	5
T303 SJ-0119	0.1	10
T303 SJ-0120	0.1	10
T303 SJ-0121	0.1	5
T303 SJ-0122	0.4	5
T303 SJ-0123	0.1	15
T303 SK-0204	0.1	5
T303 SK-0205	0.1	5
T303 SK-0206	0.2	5
T303 SK-0207	0.1	5
T303 SK-0208	0.1	5
T303 SK-0209	0.1	5
T303 SK-0210	0.1	5
T303 SK-0211	0.1	15
T303 SK-0212	0.1	10
T303 SK-0213	0.1	5
T303 SK-0214	0.1	5
T303 SK-0215	0.1	10
T303 SK-0216	0.1	5
T303 SK-0217	0.1	5
T303 SK-0218	0.1	5
T303 SK-0219	0.1	5
T303 SK-0220	0.1	20
T303 SK-0221	0.1	5
T303 SK-0222	0.1	15
T303 SK-0223	0.1	5
T303 SK-0224	0.1	5
T303 SK-0225	0.1	10
T303 SK-0226	0.1	<5
T303 SK-0227	0.7	5
T303 SK-0228	0.1	5
T303 SK-0229	0.1	10
T303 SK-0230	0.1	5
T303 SK-0231	0.1	<5
T303 SK-0232	0.2	5
T303 SK-0233	0.3	5
T303 SK-0234	0.9	50
T303 SK-0235	0.1	5
T303 SK-0236	0.1	5
T303 SK-0237	0.2	<5
T303 SK-0238	1.0	5
T303 SK-0239	0.5	10
T303 SK-0240	0.4	10
T303 SK-0241	0.6	10
T303 SK-0242	0.2	15
T303 SK-0243	0.4	5
T303 SK-0244	0.5	5
T303 RC-0087	0.1	5
T303 RC-0090	0.1	5
T303 RC-0092	0.1	5
T303 RE-0065	0.1	5
T303 RE-0066	0.1	5
T303 RE-0067	0.1	<5
T303 RE-0068	0.1	<5
T303 RE-0069	0.1	10
T303 RE-0070	0.4	<5
T303 RE-0071	0.1	10
T303 RE-0072	0.4	2850
T303 RE-0073	0.1	10
T303 RE-0074	0.2	5
T303 RE-0075	0.1	15
T303 RE-0076	0.1	5
T303 RE-0077	0.1	5

T303 RB-0060	0.1	10
T303 RB-0061	0.1	5
T303 RB-0062	0.1	5
T303 RB-0063	0.1	<5
T303 RB-0064	0.1	<5
T303 RC-0079	0.1	5
T303 RC-0080	0.1	5
T303 RC-0081	0.1	5
T303 RC-0083	0.1	<5
T303 RC-0084	0.1	5
T303 RC-0085	0.1	5
T303 SA-0108	0.1	5
T303 SA-0109	0.1	5
T303 SA-0110	0.1	10
T303 SA-0111	0.2	5
T303 SA-0112	0.1	5
T303 SA-0113	0.1	5
T303 SA-0114	0.1	5
T303 SA-0115	0.1	5
T303 SA-0116	0.1	5
T303 SA-0117	0.1	5
T303 SA-0118	0.3	5
T303 SA-0119	0.2	5
T303 SA-0120	0.1	5
T303 SA-0121	0.2	5
T303 SA-0122	0.3	5
T303 SA-0123	0.1	5
T303 SA-0124	0.1	5
T303 SA-0125	0.1	5
T303 SA-0126	0.1	5
T303 SA-0127	0.1	<5
T303 SA-0128	0.2	10
T303 SA-0129	0.2	5
T303 SA-0130	0.2	5
T303 SA-0131	0.2	10
T303 SA-0132	0.6	5
T303 SA-0133	0.1	5
T303 SA-0134	0.4	15
T303 SA-0135	0.3	5
T303 SA-0136	0.1	5
T303 SA-0137	0.1	5
T303 SA-0138	0.2	5
T303 SA-0139	0.2	5
T303 SA-0140	0.6	10
T303 SA-0141	0.1	<5
T303 SA-0142	0.9	5
T303 SA-0143	0.6	5
T303 SA-0144	0.7	10
T303 SA-0145	0.7	5
T303 SA-0146	1.0	10
T303 SA-0147	0.4	40
T303 SA-0148	0.5	5
T303 SA-0149	0.3	5
T303 SA-0150	0.2	5
T303 SA-0151	0.5	10
T303 SA-0152	1.0	5
T303 SA-0153	0.5	5
T303 SA-0154	1.0	5
T303 SA-0155	0.3	5
T303 SA-0156	0.4	5
T303 SA-0157	1.2	5
T303 SA-0158	0.8	5
T303 SA-0159	0.4	<5

Sample	Hg ppm	Mo ppb
T303 SD-0296	0.2	10
T303 SD-0297	0.2	5
T303 SD-0298	0.5	10
T303 SD-0299	0.1	5
T303 SD-0300	0.2	5
T303 SD-0301	0.3	5
T303 SD-0302	0.3	10
T303 SD-0303	0.2	5
T303 SD-0304	0.1	5
T303 SD-0305	0.3	10
T303 SD-0306	0.1	5
T303 SD-0307	0.3	5
T303 SD-0308	0.1	5
T303 SD-0309	0.2	10
T303 SD-0310	0.2	5
T303 SG-0214	0.1	5
T303 SG-0215	0.2	10
T303 SG-0216	0.1	10
T303 SG-0217	0.1	5
T303 SG-0218	0.2	10
T303 SG-0219	0.2	5
T303 SG-0220	4.4	5
T303 SG-0221	0.2	5
T303 SG-0223	0.2	10
T303 SG-0224	0.7	15
T303 SG-0225	0.8	5
T303 SG-0226	0.3	10
T303 SG-0227	0.3	10
T303 SG-0228	0.9	5
T303 SG-0229	0.3	5
T303 SG-0230	0.2	10
T303 SG-0231	0.4	5
T303 SG-0232	0.1	5
T303 SG-0233	0.1	10
T303 SG-0234	0.4	5
T303 SG-0235	0.3	5
T303 SG-0236	0.9	10
T303 SG-0237	0.9	5
T303 SG-0238	1.9	90
T303 SG-0239	0.9	5
T303 SG-0240	0.3	5
T303 SG-0241	0.2	5
T303 SG-0242	0.4	5
T303 SG-0243	0.2	5
T303 SG-0245	0.1	10
T303 SG-0246	0.4	5
T303 SG-0247	0.2	5
T303 SG-0248	0.3	5
T303 SG-0249	0.3	10
T303 SG-0250	0.4	5
T303 SG-0251	0.8	5
T303 SG-0252	0.5	70
T303 SG-0253	0.4	5
T303 SD-0037	0.7	5
T303 SF-0010	0.2	5
T303 SF-0014	0.6	5
T303 SH-0055	0.3	5

T303 RF-0009	0.1	20
T303 RF-0011	0.1	10
T303 RF-0012	0.1	10
T303 RF-0013	0.1	5
T303 RF-0015	0.1	5
T303 RF-0016	0.1	5
T303 RF-0017	0.1	5
T303 RF-0018	0.1	5
T303 RF-0019	0.3	5
T303 RF-0020	0.6	10
T303 RF-0021	0.2	5
T303 RF-0022	0.3	15
T303 RF-0023	0.8	5
T303 RF-0024	0.7	10
T303 SA-0001	0.7	25
T303 SA-0002	0.6	5
T303 SA-0003	1.1	10
T303 SA-0004	1.0	5
T303 SA-0005	0.5	10
T303 SA-0006	0.7	5
T303 SA-0007	1.9	15
T303 SA-0008	0.5	5
T303 SA-0009	0.6	10
T303 SA-0010	1.0	5
T303 SA-0011	1.4	5
T303 SA-0012	0.6	10
T303 SD-0001	1.4	5
T303 SD-0002	0.4	5
T303 SD-0003	0.8	10
T303 SD-0004	1.1	5
T303 SD-0005	1.1	5
T303 SD-0006	1.2	25
T303 SD-0007	0.6	10
T303 SD-0008	0.9	170
T303 SD-0009	0.6	15
T303 SD-0010	1.0	15
T303 SD-0011	0.8	85
T303 SD-0012	0.4	5
T303 SD-0013	0.4	15
T303 SD-0014	1.3	10
T303 SD-0015	1.0	5
T303 SD-0016	1.1	10
T303 SD-0017	1.1	5
T303 SD-0018	0.8	15
T303 SD-0019	0.9	35
T303 SD-0020	1.5	10
T303 SD-0021	0.8	5
T303 SD-0022	0.9	5
T303 SD-0023	0.8	5
T303 SD-0024	0.8	5
T303 SD-0025	1.0	10
T303 SD-0026	1.5	5
T303 SD-0027	0.7	5
T303 SD-0028	0.6	5
T303 SD-0029	0.8	5
T303 SD-0030	1.0	5
T303 SD-0031	0.7	5
T303 SD-0032	0.4	10
T303 SD-0033	1.2	10
T303 SD-0034	0.4	30
T303 SD-0035	0.2	10
T303 SD-0036	0.1	5

description	Ag ppm	Au ppb
T303 RE-0078	0.1	<5
T303 RE-0079	0.1	5
T303 RE-0080	0.1	5
T303 RE-0081	0.1	5
T303 RE-0082	0.1	5
T303 RE-0083	0.1	<5
T303 RE-0084	0.1	20
T303 RE-0085	0.1	5
T303 RE-0086	0.1	<5
T303 RE-0087	0.1	5
T303 RE-0088	0.1	25
T303 RE-0089	0.1	5
T303 RE-0090	0.1	5
T303 RE-0098	0.1	5
T303 RE-0099	0.1	5
T303 RE-0100	0.1	5
T303 RE-0101	0.1	5
T303 RE-0102	0.1	5
T303 RE-0103	0.3	5
T303 RE-0104	0.1	5
T303 RE-0105	0.1	5
T303 RE-0106	0.1	5
T303 RE-0107	0.1	5
T303 RE-0108	0.1	<5
T303 RF-0066	0.1	5
T303 RF-0067	0.1	5
T303 RF-0068	0.1	10
T303 RF-0069	0.1	10
T303 RF-0070	0.1	5
T303 RF-0071	0.1	10
T303 RF-0072	0.1	150
T303 RF-0076	0.1	5
T303 RF-0078	0.1	20
T303 RF-0079	0.1	10
T303 RF-0081	0.1	10
T303 RF-0087	0.1	10
T303 SA-0195	0.3	<5
T303 SA-0196	0.3	15
T303 SA-0197	0.2	10
T303 SA-0198	0.2	5
T303 SA-0199	0.1	5
T303 SA-0200	0.1	10
T303 SA-0201	0.1	5
T303 SA-0202	0.1	5
T303 SA-0203	0.1	<5
T303 SA-0204	0.1	10
T303 SA-0205	0.3	5
T303 SA-0206	0.2	5
T303 SA-0207	0.2	<5
T303 SA-0208	0.2	5
T303 SA-0209	0.1	5
T303 SA-0210	0.3	5
T303 SA-0211	1.3	<5
T303 SA-0212	0.3	10
T303 SA-0213	0.2	15
T303 SA-0214	0.7	5
T303 SA-0215	0.4	5
T303 SA-0216	0.3	5
T303 SA-0217	0.1	5
T303 SA-0218	0.2	5
T303 SA-0219	0.2	10
T303 SA-0220	0.1	5

Sample	ng ppm	au ppb
T303 RH-0136	0.6	90
T303 SA-1000	0.1	5
T303 SA-1001	0.1	10
T303 SA-1002	0.1	10
T303 SA-1003	0.5	5
T303 SA-1004	0.2	5
T303 SA-1005	0.2	10
T303 SA-1006	0.4	5
T303 SA-1007	0.1	10
T303 SA-1008	0.1	15
T303 SA-1009	0.1	5
T303 SA-0383	0.5	5
T303 SA-0384	0.6	5
T303 SA-0385	0.5	20
T303 SA-0386	0.4	15
T303 SA-0387	0.3	10
T303 SA-0388	0.3	35
T303 SA-0389	0.4	10
T303 SA-0390	0.3	5
T303 SA-0391	0.4	5
T303 SA-0392	0.3	15
T303 SA-0393	0.2	5
T303 SA-0394	0.4	10
T303 SA-0395	0.2	5
T303 SA-0396	0.2	5
T303 SA-0397	0.5	5
T303 SA-0398	0.2	10
T303 SA-0399	0.1	20
T303 SA-0400	0.2	10
T303 SA-0401	0.5	5
T303 SA-0402	0.2	5
T303 SA-0403	0.2	15
T303 SA-0404	0.4	5
T303 SA-0405	0.5	5
T303 SJ-0089	0.1	5
T303 SJ-0090	0.4	5
T303 SJ-0091	0.1	<5
T303 SJ-0092	0.3	5
T303 SJ-0093	0.1	5
T303 SJ-0094	0.1	5
T303 SJ-0095	0.1	10
T303 SJ-0096	0.1	5
T303 SJ-0097	0.1	5
T303 SJ-0098	0.1	<5
T303 SJ-0099	0.1	5
T303 SJ-0100	0.1	5
T303 SJ-0101	0.1	5
T303 SJ-0102	0.1	5
T303 SJ-0103	0.1	10
T303 SJ-0104	0.1	5
T303 SJ-0105	0.1	5
T303 SJ-0106	0.1	5
T303 SJ-0107	0.1	5
T303 SJ-0108	0.1	5
T303 SJ-0109	0.1	<5
T303 SJ-0110	0.1	5
T303 SJ-0111	0.2	5
T303 SJ-0112	0.1	5
T303 SJ-0113	0.1	5
T303 SJ-0114	0.1	5
T303 SJ-0115	0.2	15
T303 SJ-0116	0.1	190

APPENDIX B

Rock Chip Sample Descriptions

B	1	Intermediate to felsic igneous rock
B	40	Soil from edge of gossanous intermediate to felsic igneous rock
B	41	Tuff with sulphides
B	42	Soil taken at cherty-quartz outcrop
B	60	Porphyritic grey intermediate to felsic igneous rock with minor pyrite and quartz
B	61	Porphyritic grey intermediate to felsic igneous rock with minor pyrite and quartz
B	62	Green-brown porphyritic intermediate to felsic igneous rock
B	63	Green-brown porphyritic intermediate to felsic igneous rock
B	64	Aphanitic green-grey intermediate to felsic igneous rock
C	1A	Intermediate to felsic igneous rock
C	1B	Intermediate to felsic igneous rock
C	4A	Grey laminated tuff
C	4B	Grey laminated tuff
C	5	Limonite stained chert
C	55	Gossanous intermediate to felsic igneous rock
C	56	Soil derived in-situ from gossanous intermediate to felsic igneous rock
C	57	Foliated dolomite float
C	58	Grey massive chert with diseminated sulphides
C	59	Quartz ankerite vein
C	60	Brown shale with quartz ankerite veining
C	61	Gossanous intermediate to felsic rock
C	62	Soil derived in-situ from gossanous intermediate to felsic igneous rock
C	75	Gossanous grey chert float
C	76	Foliated phyllite

C	77	Gossanous cherty argillite with sulphides
C	79	Intermediate to felsic igneous rock
C	80	Skarn with crosscutting quartz-carbonate veins
C	81	Gossanous skarn float
C	82	Soil derived in-situ from intermediate to felsic igneous rock
C	83	Quartz-ankerite-mariposite float
C	84	Oxidized fine grained dolomite
C	85	Hematite stained grey chert with arsenopyrite
C	86	Hematite stained grey chert with arsenopyrite
C	87	Biotite-feldspar porphyry
C	88	Soil sample derived in-situ from biotite-feldspar porphyry
C	90	Silicified limestone with quartz-calcite veining
C	92	Aplite dyke
E	65	Quartz from shear zone
E	66	Quartz rich samples from silicic zone
E	67	Quartz from edge of dyke, and sulphides
E	68	Quartz veining from aplite dyke
E	69	Quartz veining from dyke
E	70	Skarn with chalcopyrite, pyrite, manganese and quartz veining
E	71	Skarn with chalcopyrite, pyrite, manganese and quartz veining
E	72	Skarn with chalcopyrite, pyrite, manganese and quartz veining
E	73	Aplite dyke with quartz veining
E	74	Andesite
E	75	Andesite with quartz
E	76	Quartz
E	77	Gossanous intermediate to felsic rock

E 78 Gossanous intermediate to felsic igneous rock with pyrite, in contact with phyllite

E 79 Gossanous, vuggy quartz

E 80 Gossanous intermediate to felsic igneous rock

E 81 Quartz in phyllite

E 82 Intermediate to felsic igneous rock

E 83 Altered margin of andesite flow

E 84 Intermediate to felsic igneous rock

E 85 Quartz veins with pyrite from intermediate to felsic igneous rock

E 86 Quartz veins with pyrite from intermediate to felsic igneous rock

E 87 Quartz vein from highly silicified unit between two intermediate to felsic igneous rock bodies

E 88 Intermediate to felsic igneous rock with pyrite

E 89 Quartz from argillite in contact with intermediate to felsic igneous rock

E 90 Quartz vein in intermediate to felsic igneous rock

E 98 Intermediate to felsic igneous rock with pyrite

E 99 Intermediate to felsic igneous rock with pyrite

E 100 Intermediate to felsic igneous rock with small quartz veining

E 101 Intermediate to felsic igneous rock with much vuggy quartz

E 102 Smokey quartz from large vein in phyllite - intermediate to felsic igneous rock contact

E 103 Intermediate to felsic igneous rock

E 104 Quartz from tuff - intermediate to felsic igneous rock contact

E 105 Intermediate to felsic igneous rock

E 106 Intermediate to felsic igneous rock

E 107 Intermediate to felsic igneous rock

E 108 Intermediate to felsic igneous rock

E 205 Iron stained intermediate to felsic igneous rock

E 206 Intermediate to felsic igneous rock

E 207 Intermediate to felsic igneous rock

E 208 Intermediate to felsic igneous rock

E 209 Tuff float with pyrite and quartz

E 210 Intermediate to felsic igneous rock

E 211 Intermediate to felsic igneous rock with quartz veining

E 212 Siliceous intermediate to felsic igneous rock

E 213 Oxidized recessive intermediate to felsic igneous rock

E 214 Mafic igneous rock (?)

E 215 Quartz veining in mafic igneous rock

E 216 Quartz veining in mafic igneous rock

E 217 Quartz veining in mafic igneous rock

E 218 Oxidized platey intermediate to felsic igneous rock

E 219 Oxidized tuff

E 220 Magnetite rich tuff with quartz veining

E 221 Highley altered

E 222 Altered intermediate to felsic igneous rock, richly mineralized

E 223 Intermediate to felsic igneous rock and magnetite and quartz

E 224 Magnetite rich altered intermediate to felsic igneous rock

E 225 Chert and pyrite

E 226 Pyrite, pyrrhotite anc chalcopyrite

E 227 Chert and pyrrhotite

E 228 Quartz veining in chert

E 229 Pyrite and pyrrhotite rich zone near intermediate to felsic igneous rock and chert contact

E 230 Gossanous intermediate to felsic igneous rock talus

E 231 Gossanous intermediate to felsic igneous rock

E	232	Gossanous intermediate to felsic igneous rock
F	8	Sulphide rich cherty argillite and tuff
F	9	Cherty argillite
F	10	Gossanous soil derived in-situ from brown intermediate to felsic igneous rock
F	11	Pyritic intermediate to felsic igneous rock
F	12	Quartz veining in intermediate to felsic igneous rock
F	13	Intermediate to felsic igneous rock
F	14	Weathered intermediate to felsic igneous rock
F	15	Sulphitic quartz float
F	16	Intermediate to felsic igneous rock with cubic pyrite
F	17	Intermediate to felsic igneous rock with cubic pyrite
F	18	Intermediate to felsic igneous rock with cubic pyrite
F	19	Aplitic pink float with erythrite staining
F	20	Sulphitic phyllites
F	21	Sulphitic phyllites
F	22	Sulphitic phyllites
F	23	Andesitic tuff with altered quartz-ankerite
F	24	Brown weathered tuff
F	66	Pyritic intermediate to felsic igneous rock
F	67	Pyritic intermediate to felsic igneous rock with quartz-carbonate veining
F	68	Gossanous andesite with pyrite
F	69	Fine grained intermediate to felsic igneous rock
F	70	Porphyritic brown intermediate to felsic igneous rock with cubic pyrite
F	71	Intermediate to felsic igneous rock with pyrite and chalcopyrite
F	72	Porphyritic intermediate to felsic igneous rock with cubic pyrite
F	87	Phyllite with quartz stringers

F 76 Intermediate to felsic igneous rock with quartz veining

F 78 Boxwork quartz veining through gossanous argillite

F 79 Gossanous intermediate to felsic igneous rock with ankerite veining

F 81 Intermediate to felsic igneous rock with pyrite

F 137 Green andesite with pyrrhotite

F 138 Green andesite with phyllite

F 139 Argillaceous phyllite

F 140 Gossanous intermediate to felsic igneous rock

F 141 Gossanous intermediate to felsic igneous rock

F 142 Gossanous intermediate to felsic igneous rock

F 143 Gossanous intermediate to felsic igneous rock with disseminated pyrite/pyrrhotite

F 144 Argillite with quartz veining

F 145 Gossanous silicified argillite/tuff with magnetite and manganese

F 146 Gossanous silicified argillite/tuff with magnetite and manganese

F 147 Quartz-biotite-feldspar porphyry

F 148 Quartz-biotite-feldspar porphyry

F 149 Quartz-biotite with minor pyrite

F 150 Intermediate to felsic igneous rock

H 126 Quartz with oxidized sulfides

H 127 Phyllite

H 128 Vuggy quartz seams through phyllite

H 129 Schistose phyllite

H 130 Quartz vein material with minor pyrite

H 131 Intermediate to felsic igneous rock with pyrite

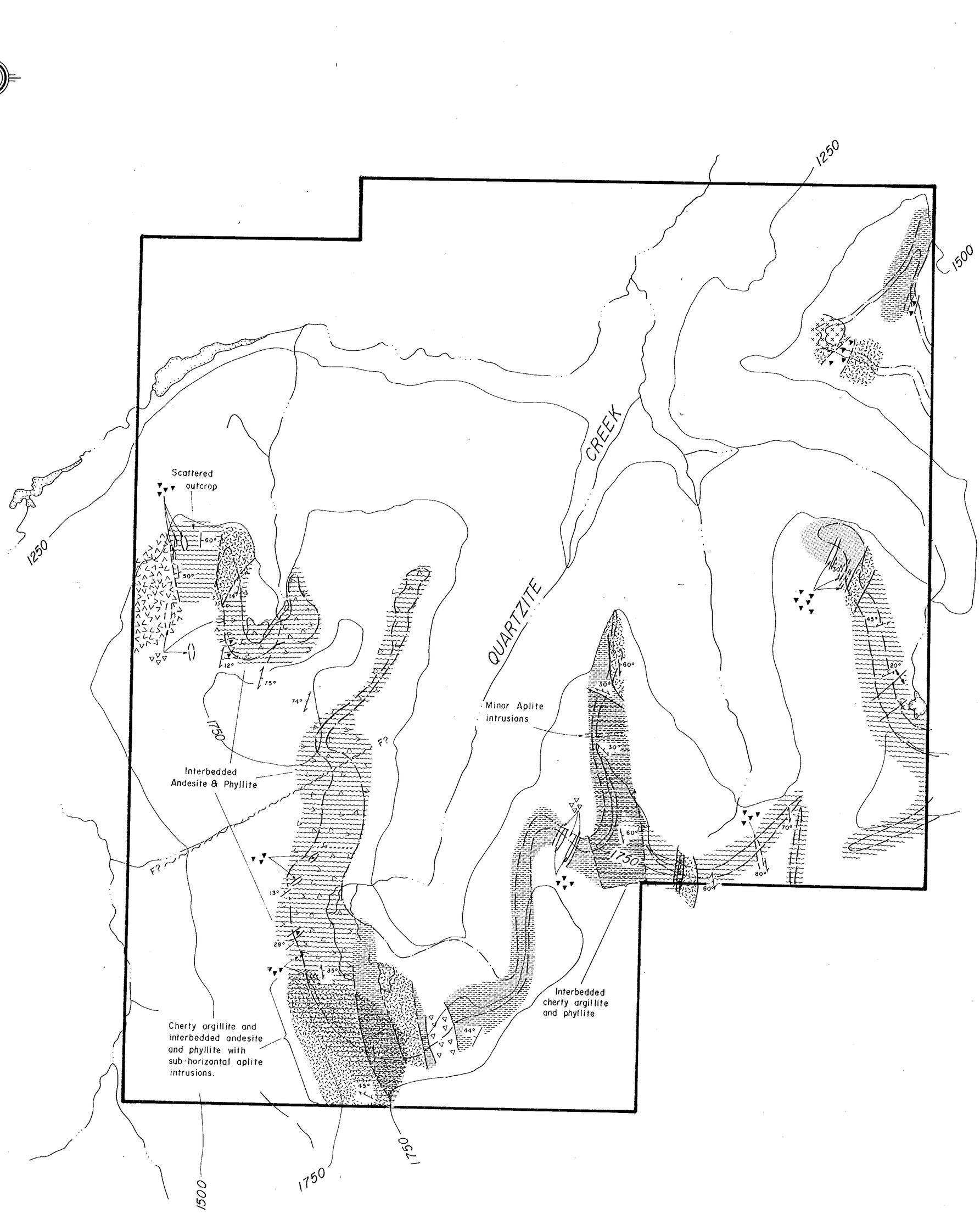
H 132 Intermediate to felsic igneous rock with pyrite

H 133 Quartzite with massive sulfides

H 134 Aplite intrusion

H 135 Aplite intrusion

H 136 Aplite intrusion



STRATIGRAPHY

MESOZOIC TERTIARY

- Minor Aplite intrusions

CACHE CREEK GROUP

PERMO - TRIASSIC

- Andesite flows
- Argillite
- Cherty Argillite, locally phyllitic
- Limestone, micritic, in part recrystallized
- Intermediate - felsic igneous rocks
- Intermediate - felsic igneous floats
- Phyllite, locally cherty or quartz rich
- Tuff, locally intercalated with limestone or phyllite
- Massive chert
- Biotite hornblende feldspar porphyry

SYMBOLS

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

FIGURE 4

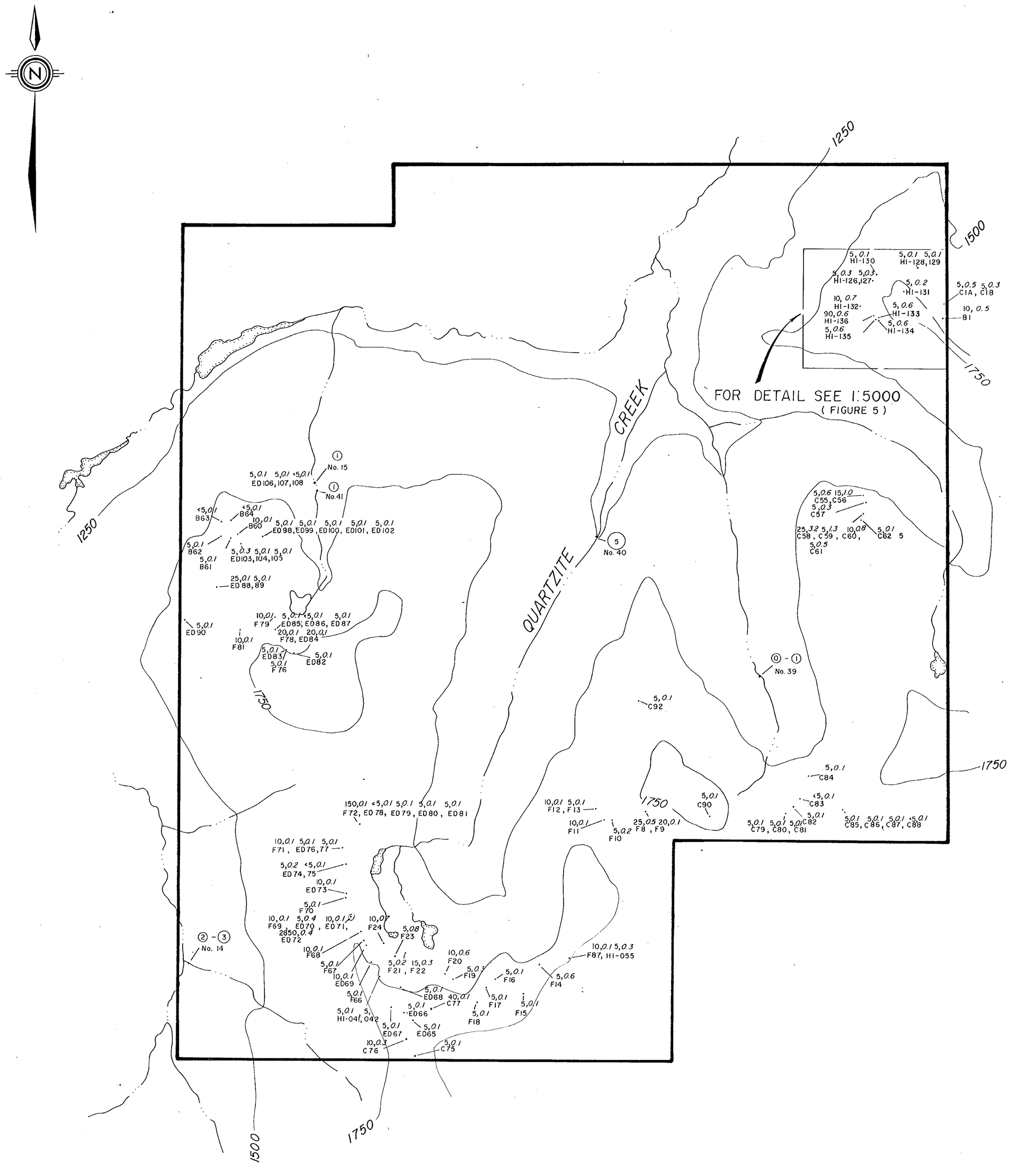
GOLDEN PORPHYRITE LTD.

QUARTZITE CREEK PROPERTY

GEOLOGY

SCALE IN KILOMETRES

0 .5 1 1.5 2 2.5



LEGEND

5,0.1 — Au (ppb), Ag (ppm)

HI-136 — Rock chip sample number

Heavy Sediment Sampling Location

① — Scale of Au from 1 to 10

No. 5 — Sample number

Scale of Au

⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

FIGURE 5

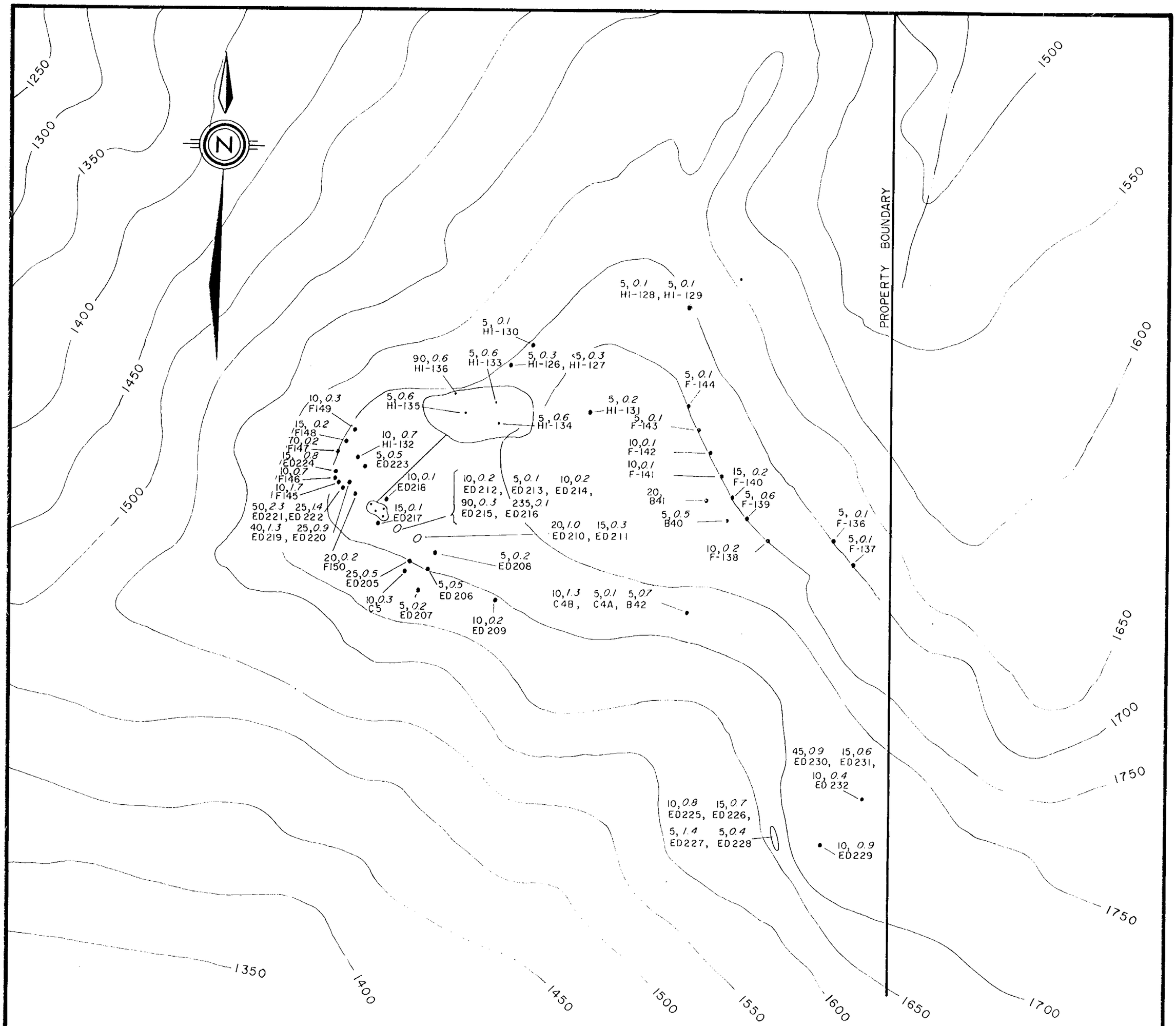
GOLDEN PORPHYRITE LTD.

QUARTZITE CREEK PROPERTY

ROCK CHIP GEOCHEMICAL AND HEAVY SEDIMENT SAMPLING LOCATION PLAN

SCALE IN KILOMETRES

0 .5 1 1.5 2 2.5



LEGEND

10, 0.5 – Au (ppb), Ag (ppm)

ED222 – Rock chip sample number

FIGURE 6

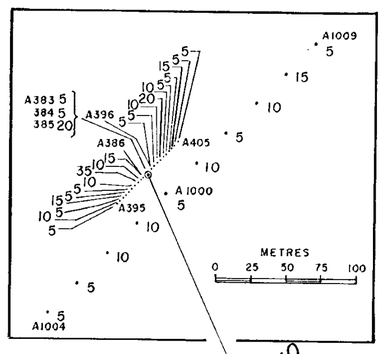
GOLDEN PORPHYRITE LTD.

QUARTZITE CREEK PROPERTY

DETAILED ROCK CHIP GEOCHEMICAL LOCATION PLAN

METRES

0 100 200 300 400 500



1250

1500

1750

QUARTZITE CREEK

A195

A235

A236

A247

A246

D310

D261

J89

J123

G334

G350

A185

D37

A12

G253

K244

G214

K204

A108

LEGEND

5	Au (ppb)
D310	Soil sample number
0	Indicates sample missing.

FIGURE 7

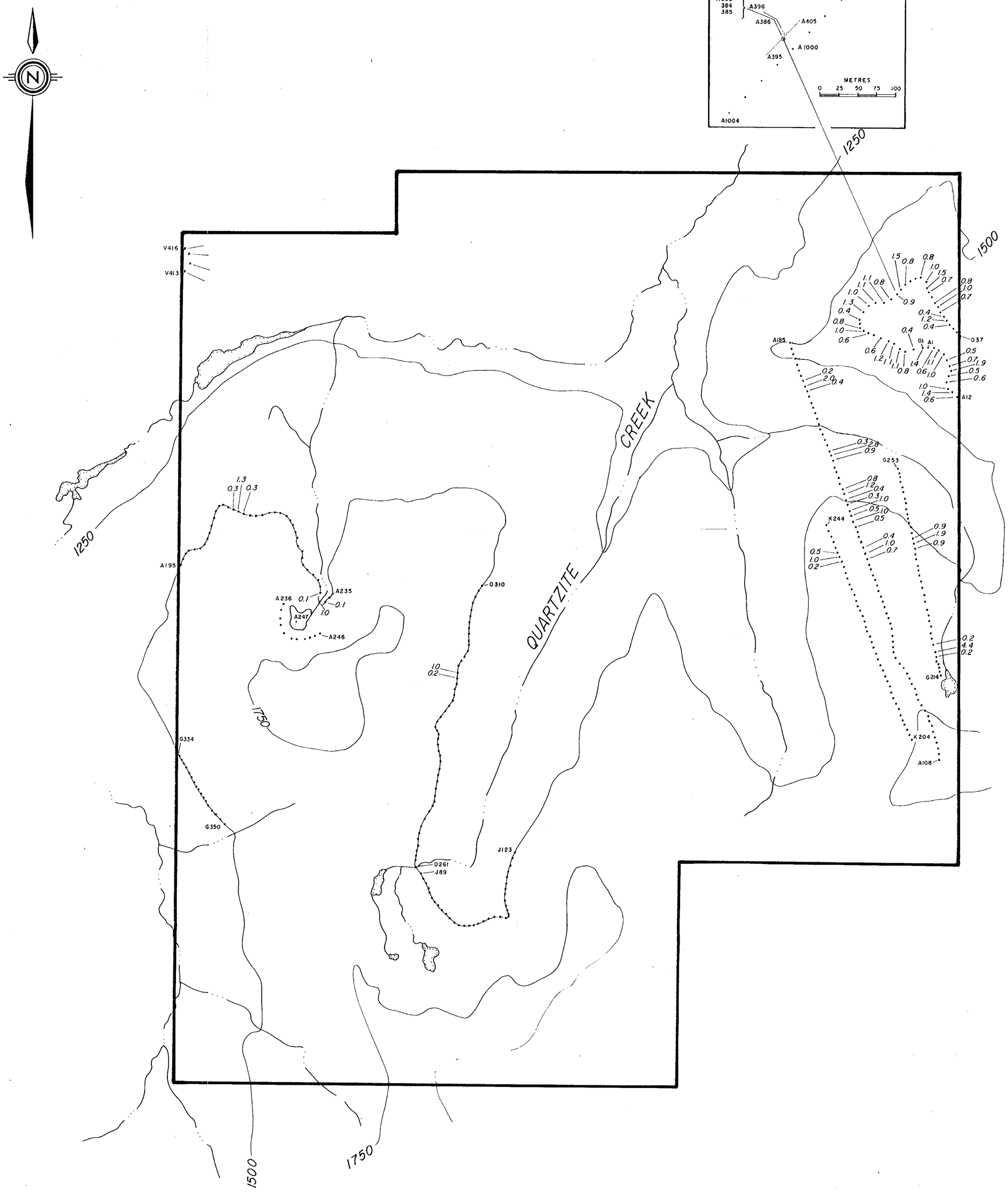
GOLDEN PORPHYRITE LTD.

QUARTZITE CREEK PROPERTY

SOIL GEOCHEMICAL LOCATION PLAN

SCALE IN KILOMETRES

0 .5 1 1.5 2 2.5



LEGEND

1.0	Ag (ppm) (Only anomolous values plotted)
D310	Soil sample number
0	Indicates sample missing.

FIGURE 8

GOLDEN PORPHYRITE LTD.

QUARTZITE CREEK PROPERTY

SOIL GEOCHEMICAL LOCATION PLAN

SCALE IN KILOMETRES

0 .5 1 1.5 2 2.5