



**GOLDEN PORPHYRITE LTD.**

1983

**ASSESSMENT REPORT**

**ON THE**

**GEOLOGICAL AND GEOCHEMICAL SURVEYS**

**ON THE FALL RIVER PROPERTY**

**JO 1-6, 10-11, 105-106 AND 110**

**OMINECA MINING DIVISION, BRITISH COLUMBIA**

**55° 44' N, 125° 39' W  
N.T.S. 93N/12**

**OWNER: IMPALA RESOURCES (U.S.) LTD.**

**OPERATOR: GOLDEN PORPHYRITE LTD.**

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**12,541**

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

**JUNE 1984**



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INTRODUCTION

The Fall River property, consisting of claims Jo 1-6, 10-11, 105-106 and 110 (216 units) is located 35 km northeast of Takla Landing and 145 km northeast of Smithers in the Omineca Mining Division. Its National Topographic Survey location is 93 N/12 at 55° 44' north latitude and 125° 39' west longitude, (fig 1).

The property was evaluated using a Bell Jet Ranger 206B helicopter based at Takla Landing, a return trip taking 30 minutes.

The Property is characterized by Quartzite Creek and three other creeks draining from high ground, (1,750 m), along the southern margin of the 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.

Quartzite Creek has had a history of placer gold mining since the early 1930's. The main workings on the creek are situated 2.4 km above the confluence with the Fall River. 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, Impala Resources (U.S.) Ltd., contracted Golden Porphyrite Ltd., to locate the source rocks of the placer gold found in many of the surrounding creeks. Rocks belonging to the Permo-Triassic Cache Creek Group outcrop within and around the claim block and conform to this model.

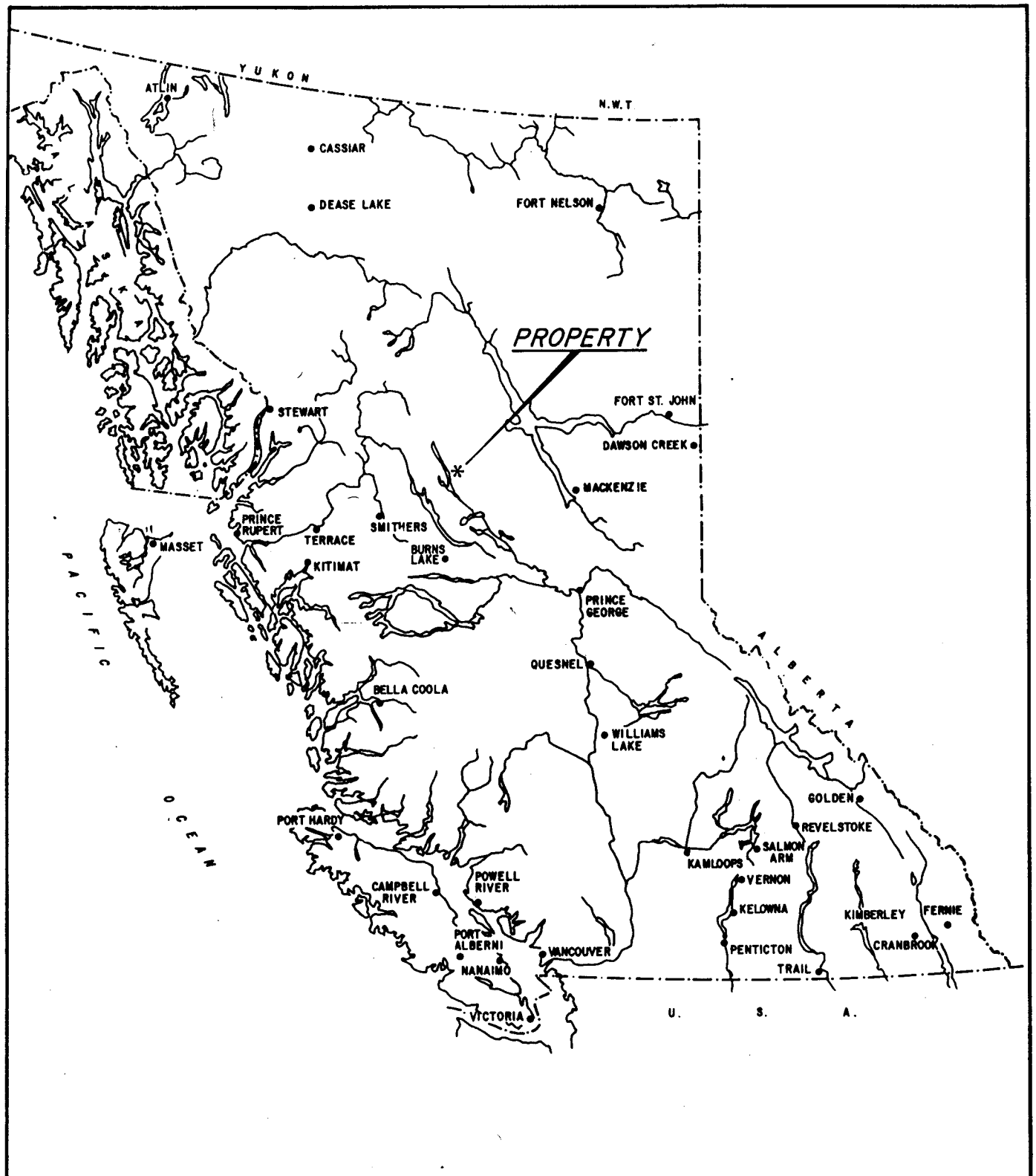


FIGURE I

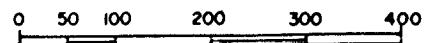
GOLDEN PORPHYRITE LTD.

FALL RIVER PROPERTY

OMINECA MINING DIVISION, B.C.

LOCATION MAP

KILOMETRES

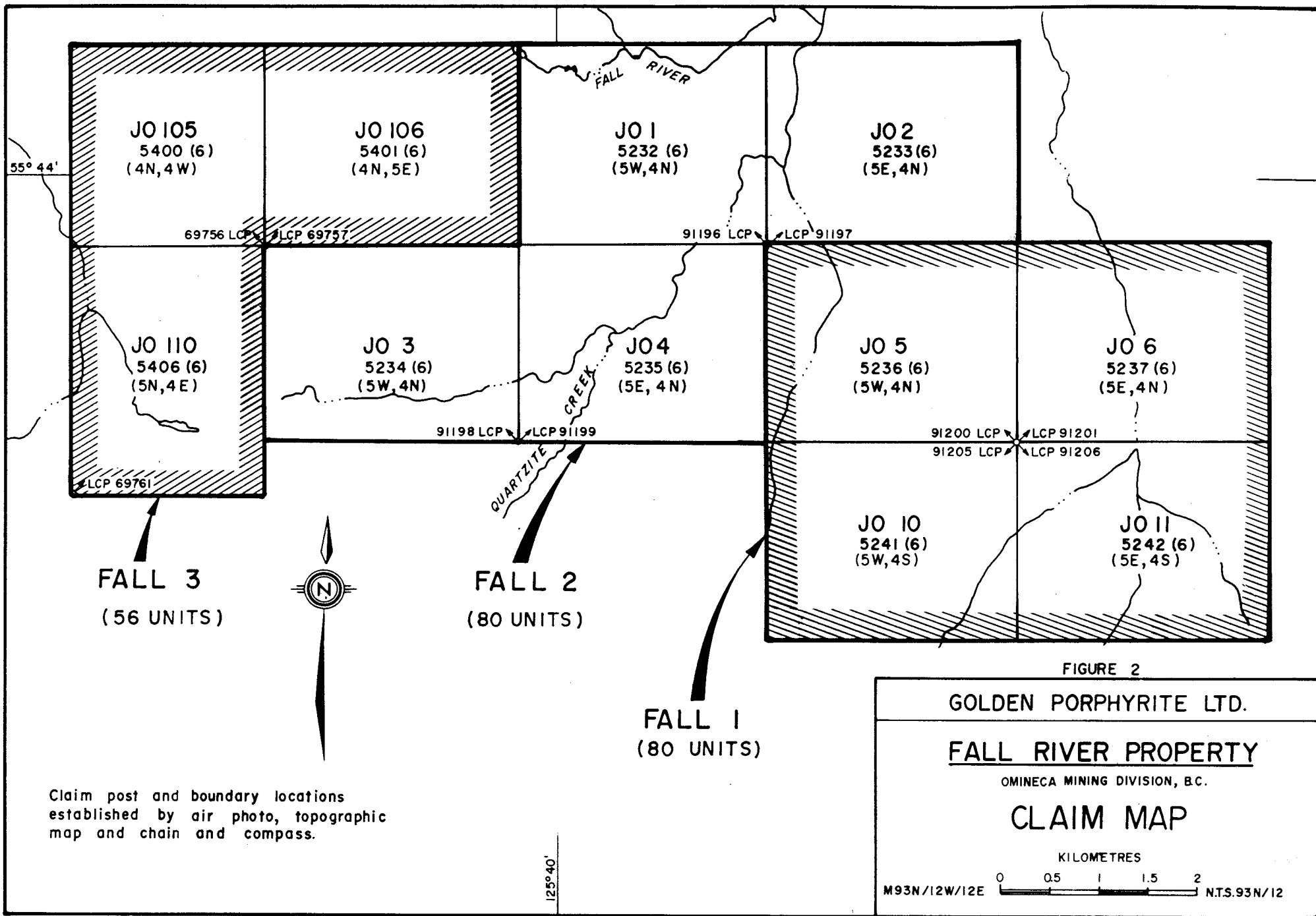




The work was performed by Golden Porphyrite personnel supervised by Mr. H. Macfarlane and directed by Mr. F.M. Smith, P.Eng. The area was geologically mapped and prospected over an area of approximately 54 km<sup>2</sup>. A total of 11 geochemical rock chip and 222 soil samples were collected.

For grouping purposes the Fall River property will be divided into three groups, Fall 1, Fall 2 and Fall 3, (fig. 2).

<u>Claim Name</u>	<u>No. Units</u>	<u>Tag No.</u>	<u>Owner of Record</u>	<u>Date Located</u>	<u>Date Recorded</u>	<u>Record No.</u>
FALL 1						
Jo 5	20	91200	Impala	14.06.83	21.06.83	5236
Jo 6	20	91201	Resources	14.06.83	21.06.83	5237
Jo 10	20	91205	(U.S.) Ltd.	14.06.83	21.06.83	5241
Jo 11	20	91206	"	14.06.83	21.06.83	5242
FALL 2						
Jo 1	20	91196	"	14.06.83	21.06.83	5232
Jo 2	20	91197	"	14.06.83	21.06.83	5233
Jo 3	20	91198	"	14.06.83	21.06.83	5234
Jo 4	20	91199	"	14.06.83	21.06.83	5235
Fall 3						
Jo 105	16	69756	"	25.06.83	30.06.83	5400
Jo 106	20	69757	"	25.06.83	30.06.83	5401
Jo 110	20	69761	"	25.06.83	30.06.83	5405





GEOLOGICAL SURVEY

Regional Geology

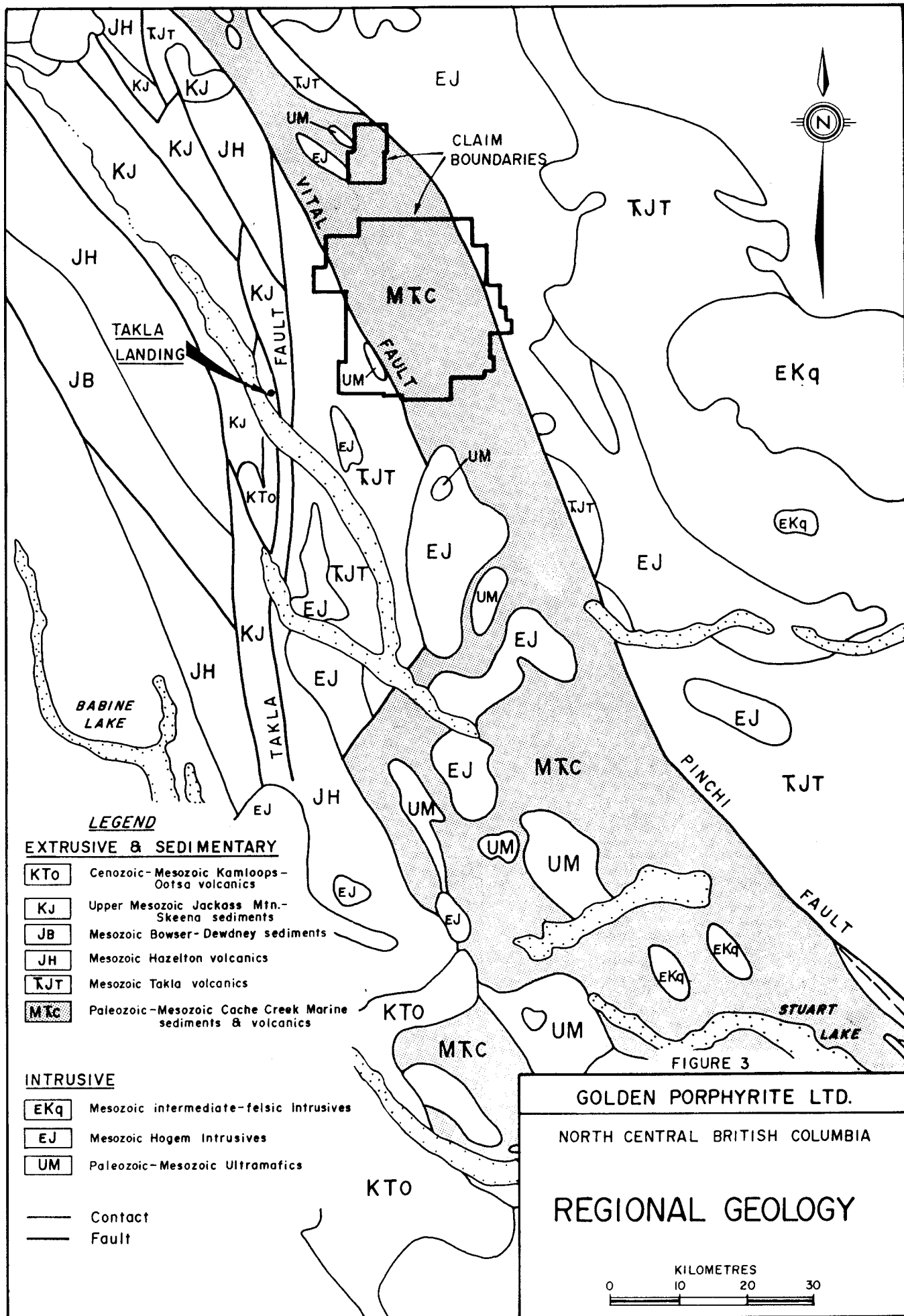
The property is situated in the Omineca Tectonic Belt of the Canadian Cordillera. It lies between the Vital and Pinchi Faults and is underlain by the Permo-Triassic Cache Creek Group. This group was first mapped in this area in the early 1940's by the Geological Survey of Canada and later in 1974. The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

Local Geology

The Fall River property was geologically mapped and prospected at a scale of 1:20,000 predominantly along ridge crests and slopes, over an area of 54 km<sup>2</sup>.

Units of the Cache Creek Group present within this property are: cherty argillite, limestone, phyllite, tuff and intermediate to felsic igneous rocks, (fig. 4).

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 to the original bedding. The limestone occurs as thinly bedded to massive units 200-300 m wide in surface exposure and is grey-black in colour, recrystallized, dolomitic in part and probably micritic in origin.







The phyllite units are green-grey to black in colour and frequently display foliation parallel, or at an acute angle to the bedding. 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 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. 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.

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 west to northwest with a predominantly shallow northerly 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 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 alteration of the original argillaceous sediments to 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.



GEOCHEMICAL SURVEY

A total of 222 soil samples were collected in July and October, 1983 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. The samples taken in July, 1983, were geochemically analyzed for gold only at Min-En Labs, 705 West 15th Street, North Vancouver, B.C. The samples were dried and crushed in a ceramic plated pulverizer to - 100 mesh. A 5.0 g portion was then pretreated with a 5% HNO<sub>3</sub> and 70% HClO<sub>4</sub> 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.

At a later date, all sample pulps were analyzed for silver by Chemex Labs, 212 Brooksbank Avenue, North Vancouver, B.C. Silver analysis required 1.0 g portions of each sample to be digested in a 20% HClO<sub>4</sub> - 4% HNO<sub>3</sub> 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 soil samples taken in October, were analyzed by Min-En Labs, for gold as described above. The samples were also analyzed for silver at this time at Min-En Labs. A 1.0 g portion of each crushed sample was taken and digested for 6 hours in a concentrated HNO<sub>3</sub> and HClO<sub>4</sub> mixture.



After cooling the samples were diluted to a standard volume and analyzed using the  $\text{CH}_2\text{H}_2$ -Air Flame atomic absorption method with a 0.1 parts per million (ppm) detection limit.

In the process of mapping a total of 11 1 kg rock chip samples were taken in July and October, 1983, (Appendix B). These samples were also analyzed by Min-En Labs and Chemex for gold and silver as described above.

Anomalous silver geochemical soil values were obtained from two areas on the property:

1. Four consecutive samples, with a high of 2.1 ppm Ag and a low of 1.0 ppm Ag, are present over a distance of 150 m in Jo 3 along the 1,500 m contour line.
2. Five consecutive samples, with a high of 1.6 ppm Ag and a low of 1.0 ppm Ag, are present over a distance of 200 m between Jo 3 and 4 along the 1,500 m contour line.

In addition a value of 2.3 ppm Ag is present in Jo 10.

Anomalous gold geochemical soil values of 130 and 120 ppb were obtained from two areas on the property, from Jo 3 and Jo 10.



HEAVY SEDIMENT SAMPLING

Heavy sediment samples were taken at four localities on the property and approximately 0.2 m<sup>3</sup> of material was processed at #35 and #36 and 0.75 m<sup>3</sup> at #16 and #17, (fig. 4). 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.

Sample #17 is highly anomalous but was taken from the area of the placer workings on Quartzite Creek.

A total of 23 2-kg heavy mineral stream sediment samples were collected during October, 1983. These samples were submitted for heavy mineral analysis at Min-En Labs, and were floated in Tetrabromoethene to isolate minerals with a specific gravity greater than  $2.95 \pm 0.1 \text{ g/cm}^3$ . This fraction was then crushed to 100 mesh and geochemically analyzed for gold as described for rocks and soils. A ten element, Ag, As, Cu, Mn, Mo, Pd, Sr, Zn, Ba, I.C.P. analysis was then conducted. A 1.0 g sub-sample was digested for 6 hours with a concentrated HNO<sub>3</sub> and HClO<sub>4</sub> mixture. After cooling the samples were diluted to standard volume and analyzed by Jerrel Ash 900 I.C.P., inductively coupled Plasma Analyzer.

No anomalous values were obtained from these heavy mineral stream sediment samples.



CONCLUSIONS

The 1983 reconnaissance program revealed the presence of a number of areas with anomalous silver values.

A detailed program of heavy mineral sampling, soil sampling and geological traverses are required during the next field season. This program will be designed to determine whether the placer gold being recovered from Quartzite Creek is coming from sources on the Fall River property. The areas with anomalous silver values will also be investigated during the next field season.



DETAILED COST STATEMENT

JULY	2 people @ \$115/day inc benefits	
WAGES:	for 1 days	\$ 115.00
	1 person @ \$143.75/day inc benefits	
	for 2 days	287.50
	1 person @ \$57.5/day inc benefits	
	for 2 days	115.00
OCTOBER	2 people @ \$400/day inc benefits	
WAGES:	for 4.2 days	1,673.00
	1 person @ \$172.50/day inc benefits	
	for 7 days	1,207.50
	4 people @ \$143.75/day inc benefits	
	for 12.92 days	1,938.11
	1 person @ \$138/day inc benefits	
	for 3.5 days	483.00
	9 people @ \$115/day inc benefits	
	for 29 days	3,450.00
	1 person @ \$97.75/day inc benefits	
	for 0.3 day	29.33
	2 people @ \$92/day inc benefits	
	for 4.5 days	414.00
		<u>\$ 9,712.44</u>
JULY	2 rocks @ \$6.12	12.24
SAMPLES:	107 soils @ \$6.24	667.99
	109 rocks and soils @ \$1.86 for Ag	202.83
OCTOBER	9 rocks @ \$9.25	83.25
SAMPLES:	115 soils @ \$8.75	1,006.25
	23 heavy metal prep. and 10 element	
	I.C.P and Au @ \$30.75	707.25
	Shipment	240.07
		<u>\$2,919.88</u>
ROOM:	72.1 man days @ \$11.30/man day	<u>\$ 814.85</u>
BOARD:	72.1 man days @ 14.9/man days	<u>\$ 1,072.59</u>
HELICOPTER:	Bell Jet Ranger for 14.9 hours	
	@ \$511.54/hour (incl. fuel)	<u>\$ 7,598.13</u>



GROUND AND FIXED WING TRANSPORT:	Vancouver to Project area and return	<u>\$ 2,883.23</u>
EQUIPMENT	Purchase, rental and repair and consumables	<u>\$ 3,281.53</u>
OFFICE	Drafting, mapping, interim report preparation and office overhead	<u>\$ 2,075.60</u>
MANAGEMENT FEE		<u>\$ 4,553.74</u>
TOTAL		<u><u>\$34,911.99</u></u>



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 1-6, 10-11, 105-106 and 110 mineral claims.

\_\_\_\_\_  
H.S. Macfarlane, M.Sc.

Dated at Vancouver, British Columbia, this 18<sup>th</sup> day of June, 1984.





**GOLDEN PORPHYRITE LTD.**

A P P E N D I X A

Geochemical Sample Results

description	Ag ppm	Au ppb
T308 SJ-0127	0.1	5
T308 SJ-0128	0.1	10
T308 SJ-0129	0.2	5
T308 SJ-0130	0.1	5
T308 RB-0002	0.5	5
T308 SA-0013	1.2	5
T308 SA-0014	1.4	5
T308 SA-0015	0.8	15
T308 SA-0016	1.0	10
T308 SA-0017	2.0	5
T308 SD-0038	0.6	5
T308 SD-0039	1.0	15
T308 SD-0040	0.3	5
T308 SD-0041	0.5	5
T308 SD-0104	0.1	10
T308 SD-0105	0.6	5
T308 SG-0001	0.2	5
T308 SG-0002	0.4	5
T308 SG-0003	0.6	25
T308 SG-0004	0.4	10
T308 SG-0005	0.3	10
T308 SG-0006	0.1	5
T308 SG-0007	0.2	5
T308 SG-0008	0.3	5
T308 SG-0009	0.2	5
T308 SG-0010	1.4	10
T308 SG-0011	0.1	15
T308 SG-0012	0.2	5
T308 SG-0013	0.1	10
T308 SG-0014	0.3	5
T308 SG-0015	0.4	10
T308 SG-0016	0.7	5
T308 SG-0017	0.7	5
T308 SG-0018	0.2	10
T308 SG-0019	0.1	5
T308 SG-0020	0.6	5
T308 SG-0021	0.7	10
T308 SG-0022	0.4	10
T308 SG-0023	0.2	5
T308 SG-0024	0.7	5
T308 SG-0025	0.4	5
T308 SG-0026	2.0	15
T308 SG-0027	0.3	5
T308 SA-0094	1.0	10
T308 RE-0091	0.1	5
T308 RE-0092	0.1	5
T308 RE-0093	0.1	5
T308 RE-0094	0.1	5
T308 RE-0095	0.1	5
T308 RE-0096	0.1	5
T308 RE-0097	0.1	5
T308 RE-0132	0.1	5
T308 SJ-0124	0.1	15
T308 SJ-0125	0.1	5
T308 SJ-0126	0.1	5

description	Ag ppm	Au ppb
T308 SD-0042	0.3	25
T308 SD-0043	0.8	15
T308 SD-0044	0.7	10
T308 SD-0045	0.8	10
T308 SD-0046	0.8	5
T308 SD-0047	0.4	20
T308 SD-0048	0.4	10
T308 SD-0049	0.4	5
T308 SD-0050	0.8	5
T308 SD-0051	0.3	10
T308 SD-0052	0.1	5
T308 SD-0053	0.1	5
T308 SD-0054	0.1	10
T308 SD-0055	0.1	5
T308 SD-0056	0.1	5
T308 SD-0057	0.1	10
T308 SD-0058	0.2	5
T308 SD-0059	0.4	5
T308 SD-0060	0.1	5
T308 SD-0061	0.1	5
T308 SD-0062	0.1	5
T308 SD-0063	0.1	10
T308 SD-0064	0.1	5
T308 SD-0065	0.1	10
T308 SD-0066	0.8	10
T308 SD-0067	0.3	10
T308 SD-0068	0.3	15
T308 SD-0069	0.3	5
T308 SD-0070	0.2	10
T308 SD-0071	0.3	5
T308 SD-0072	0.4	5
T308 SD-0073	0.7	5
T308 SD-0074	3.0	10
T308 SD-0075	0.5	5
T308 SD-0076	0.2	5
T308 SD-0077	1.1	130
T308 SD-0078	0.3	5
T308 SD-0079	0.1	5
T308 SD-0080	0.9	10
T308 SD-0081	0.3	5
T308 SD-0082	0.5	10
T308 SD-0083	0.5	5
T308 SD-0084	1.2	5
T308 SD-0085	0.8	10
T308 SD-0086	0.1	5
T308 SD-0087	0.2	5
T308 SD-0088	0.4	15
T308 SD-0089	0.1	5
T308 SD-0090	N.S.S.	5
T308 SD-0091	0.1	5
T308 SD-0092	0.2	10
T308 SD-0093	0.1	5
T308 SD-0094	0.3	5
T308 SD-0095	0.2	10
T308 SD-0096	0.1	5
T308 SD-0097	0.8	5
T308 SD-0098	0.1	10
T308 SD-0099	0.1	5
T308 SD-0100	0.1	20
T308 SD-0101	0.1	15
T308 SD-0102	0.1	10
T308 SD-0103	0.2	5

COMPANY Golden Porphyrite

PROJECT No Takla Phase 2

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

File No. 3-13

DATE: Nov. 16

ATTENTION:

1983.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
B. 211							0.4					5
212							0.6					5
214							0.4					5
215							0.2					25
B. 216							1.8					10
ED 3.63							0.9					10
X 31							0.8					10
R 11							0.6					5
14							0.5					5
15							1.2					5
MB 16							1.2					5
V 544							0.9					5
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(REPORT VALUES IN PPM)	AS	AS	CU	MN	MO	PB	SE	SR	ZN	BA	AJ-PPB
V544	N/S										
V545	1.5	38	69	1030	41	46	0	65	87	145	5
V546	1.0	0	34	686	29	46	0	61	46	50	5
V547	1.2	7	52	1010	36	37	0	59	64	121	5
V548	1.4	24	61	1010	34	39	0	64	66	519	5
W571	1.9	126	88	1160	53	55	1	99	102	102	5
W572	1.7	0	118	660	22	52	0	67	98	95	10
U194	1.1	1	32	872	29	44	0	67	53	43	10
U195	1.4	0	29	849	32	37	0	65	42	54	5
U196	1.7	0	28	907	31	26	0	67	33	52	5
U197	1.7	0	38	906	29	34	0	63	32	54	10
U198	1.3	0	38	854	29	46	0	69	31	46	10
U199	1.3	0	32	930	30	32	0	72	22	47	5
U200	1.0	0	32	1040	26	33	0	69	28	66	5
W564	1.6	210	476	2270	82	108	15	99	489	305	10
W565	1.4	105	179	2210	59	61	3	74	256	517	5
W566	1.0	24	110	2180	42	49	2	64	174	312	5
W567	1.2	9	65	1170	36	53	0	61	93	174	5
MB#12	1.8	264	418	3290	63	88	17	74	445	1020	5
MB#13	1.7	91	283	3850	56	36	0	69	258	938	10.5
MB#14	1.9	0	29	1840	35	10	0	56	56	245	10
MB#15	1.5	142	163	4180	54	58	3	95	291	299	5
MB#15 DUP	1.3	81	124	2630	37	49	0	75	164	571	5
MB#18	1.1	73	85	2190	39	36	0	61	90	358	5

PROJECT No.

Takla Phase 2

MIN - EN Laboratories Ltd.

DATE: NOV. 1983.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

ATTENTION:

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	70	75	80
6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
V 4.15							1.5					5			
4.16							1.0					5			
4.17							1.4					5			
4.18							0.8					5			
4.19							0.8					5			
4.20							0.4					<5			
4.21							0.8					5			
4.22							0.5					5			
4.23							1.0					5			
4.24							0.7					<5			
4.25							0.8					5			
4.26							0.4					5			
4.27							1.0					5			
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CERTIFIED BY

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COMPAN Golden Porphyrite

GEOCHEMICAL ANALYSIS DATA SHEET

File No. 3-130

PROJECT No.: Takla Phase 2

MIN - EN Laboratories Ltd.

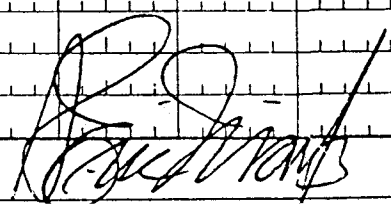
DATE: Nov. 9,

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

1983.

ATTENTION:

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb				
6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
Vi 441							05					10				
442							05					5				
443							07					5				
444							04					10				
445							08					10				
446							05					5				
447							03					5				
448							04					10				
449							04					10				
450							05					5				
451							06					5				
452							08					5				
453							06					5				
454							05					10				
455							06					5				
456							08					10				
457							06					10				
458							07					120				
459							07					5				
460							14					5				
461							06					5				
462							06					5				
Vi							.									
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CERTIFIED BY 

COMPAN Golden Porphyrite

**GEOCHEMICAL ANALYSIS DATA SHEET**

No. 3-1341

PROJECT No.: Takla Phase 2

MIN - EN Laboratories Ltd.

DATE: Nov. 16

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814


1983.

ATTENTION:

6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
Sample. Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb			
81 86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
V 463							0.7					10			
V 464							0.8					5			
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CERTIFIED BY \_\_\_\_\_



COMPANY  Golden Porphyrite

GEOCHEMICAL ANALYSIS D. HEET

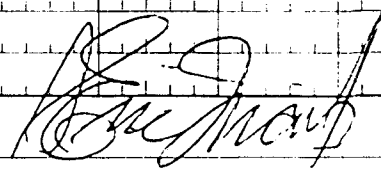
PROJECT No

MIN - EN Laboratories Ltd  
705 WEST 15th ST. NORTH VANCOUVER  
PHONE (604) 980-5814

DATE: July  
1983.

ATTENTION M. Smith

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppt			
6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
86	90	95	100	105	110	115	120	125	130	135	140	145	150		
A 13							.					5			
14							.					5			
15							.					15			
16							.					10			
17							.					5			

CERTIFIED BY 

COMPAN Golden Porphyrite

GEOCHEMICAL ANALYSIS DATA SHEET

File No. 3-1309

PROJECT No.: Takla Phase 2

MIN - EN Laboratories Ltd.

DATE: Nov. 9;

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

1983.

ATTENTION:

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb				
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
T 173							0.6					5				
174							0.9					5				
175							1.2					10				
176							0.6					5				
177							0.8					10				
178							0.5					5				
179							1.2					5				
180							1.6					5				
181							0.9					<5				
182							1.0					5				
183							0.6					10				
184							0.4					10				
185							0.9					5				
186							1.0					5				
187							1.6					10				
188							1.5					<5				
189							1.0					5				
190							1.1					20				
191							0.6					5				
192							0.5					10				
193							0.8					5				
194							0.9					5				
195							1.4					10				
196							0.6					15				
197							0.5					5				
198							0.3					5				
199							0.3					5				
200							0.2					10				
201							0.3					5				
T 202							0.4					5				

*[Handwritten signature]*

COMPANY Golden Porphyrite

PROJECT No.: Takla Phase 2

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
 PHONE (604) 980-5814

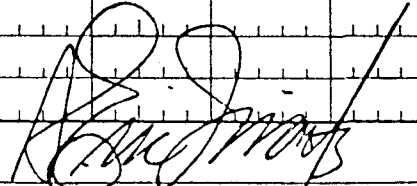
File No. 3-130

DATE: Nov. 9,

1983.

ATTENTION:

Sample No.	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb	70	75	80	
6	10	15	20	25	30	35	40	45	50	55	60	65				
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
T 2.03							0.3					5				
2.04							0.6					5				
2.05							0.4					10				
2.06							0.5					10				
T 2.07							0.6					5				
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CERTIFIED BY 

GEOCHEMICAL ANALYSIS DATA SHEET

PROJECT No.: Takla Phase 2

MIN - EN Laboratories Ltd.

DATE: Nov. 9

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

1983.

ATTENTION:

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb				
6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
Pi 230							0.4					5				
231							0.2					10				
232							0.2					5				
233							0.3					5				
234							0.8					<5				
235							0.6					5				
236							2.1					5				
237							1.7					10				
238							1.0					5				
239							1.3					5				
240							0.2					10				
241							1.0					5				
242							0.3					5				
243							0.4					<5				
244							0.6					5				
245							0.6					5				
246							0.3					10				
247							1.1					5				
248							0.4					5				
249							0.7					5				
250							1.4					5				
251							0.4					10				
252							1.2					5				
253							0.4					5				
254							0.5					10				
255							0.7					5				
256							1.3					5				
257							0.3					5				
258							1.1					5				
Pi 259							0.4					10				

*[Handwritten signature]*

PROJECT No.: Takla Phase 2

MIN - EN Laboratories Ltd.

DATE: Nov. 9,

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

1983.

ATTENTION:

6 Sample Number	10 Mo ppm	15 Cu ppm	20 Pb ppm	25 Zn ppm	30 Ni ppm	35 Co ppm	40 Ag ppm	45 Fe ppm	50 Hg ppb	55 As ppm	60 Mn ppm	65 Au ppb	70	75	80	
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
P260							0.6					1.0				
P261							0.9					1.0				
P262							0.4					5				
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CREATED BY

COMPAN Golden Porphyrite

GEOCHEMICAL ANALYSIS DATA SHEET

File No. 3-130

PROJECT No.: Takla Phase 2

MIN - EN Laboratories Ltd.

DATE: Nov. 9

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

ATTENTION:

1983.

6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb				
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
W 4.6.0							0.4					10				
4.6.1							0.5					5				
4.6.2							0.7					15				
4.6.3							0.4					5				
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4.7.6							0.3					5				
4.7.7							0.3					10				
4.7.8							1.3					10				
4.7.9							0.5					5				
4.8.0							0.4					5				
4.8.1							0.5					5				
4.8.2							0.7					5				
4.8.3							1.8					5				
4.8.4							0.4					10				
4.8.5							0.6					5				
4.8.6							1.4					10				
4.8.7							1.1					5				
4.8.8							0.3					5				
W 4.8.9							0.3					5				

*[Handwritten signature]*

COMPAN Golden Porphyrite

GEOCHEMICAL ANALYSIS DATA SHEET

File No. 3-1309

PROJECT No.: Takla Phase 2

MIN - EN Laboratories Ltd.

DATE: Nov. 9,

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

PHONE (604) 980-5814

1983.

ATTENTION:

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb			
W 490							0.6					5			
491							0.4					65			
492							0.5					5			
493							0.7					5			
W 494							0.6					5			

*R. J. ...*



ldl pd, hy, se

# GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

DATE: Jul,

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

1983

OBJECT No.:

ATTENTION: M. Smith

Sample No.	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
6	10	15	20	25	30	35	40	45	50	55	60	65
86	90	95	100	105	110	115	120	125	130	135	140	145
G 1							•					5
2							•					5
3							•					25
4							•					10
5							•					10
6							•					5
7							•					5
8							•					5
9							•					5
10							•					10
11							•					15
12							•					5
13							•					10
14							•					5
15							•					10
16							•					5
17							•					5
18							•					10
19							•					5
20							•					5
21							•					10
22							•					10
23							•					5
24							•					5
25							•					5
26							•					15
27							•					5

CERTIFIED BY



PROJECT No.

MIN - EN Laboratories Ltd.

DATE: Jul.

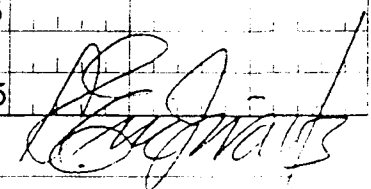
ATTENTION: M. Smith

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

1983.

Sample Number	6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
	Me	Cu	Pb	Zn	Ni	Co	Ag	Fe	Hg	As	Mn	Au				
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb				
	90	95	100	105	110	115	120	125	130	135	140	145	150	55		
38							.						5			
39							.						15			
40							.						5			
41							.						5			
42							.						25			
43							.						15			
44							.						10			
45							.						10			
46							.						5			
47							.						20			
48							.						10			
49							.						5			
50							.						5			
51							.						10			
52							.						5			
53							.						5			
54							.						10			
55							.						5			
56							.						5			
57							.						10			
58							.						5			
59							.						5			
D. 60							.						5			

CERTIFIED BY





OBJECT No.

705 WEST 15th ST. NORTH VANCOUVER, B.C. V7M 1T2  
PHONE (604) 980-5814

1983

ATTENTION: M. Smith

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
6	10	15	20	25	30	35	40	45	50	55	60	65
70	75	80	85	90	95	100	105	110	115	120	125	130
135	140	145	150	155	160	165	170	175	180	185	190	195
D 6.6							.					10
6.7							.					10
6.8							.					15
6.9							.					5
7.0							.					10
7.1							.					5
7.2							.					5
7.3							.					5
7.4							.					10
7.5							.					5
7.6							.					5
7.7							.					130
7.8							.					5
7.9							.					5
8.0							.					10
8.1							.					5
8.2							.					10
8.3							.					5
8.4							.					5
8.5							.					10
8.6							.					5
8.7							.					5
8.8							.					15
8.9							.					5
9.0							.					5
9.1							.					5
9.2							.					10
9.3							.					5
9.4							.					5
D 9.5							.					10

*M. Smith*





**GOLDEN PORPHYRITE LTD.**

**A P P E N D I X B**

**Rock Chip Sample Descriptions**

B 211 Intermediate to felsic igneous float  
B 212 Intermediate to felsic igneous float  
B 214 Intermediate to felsic igneous rock  
B 215 intermediate to felsic igneous float with minor sulphides  
B 216 Volcanoconglomerate  
E 363 Quart veining in andesite  
H 16 Intermediate to felsic igneous float  
R 11 Intermediate to felsic igneous float  
R 14 Intermediate to felsic igneous float  
R 15 Andesite tuff with pyrite and chalcopyrite  
V 544 Pyrite and chalcopyrite in argillite

---

**TOTAL:** 11 rock samples  
23 stream samples  
222 soil samples



**STRATIGRAPHY**

- CACHE CREEK GROUP  
PERMO-TRIASSIC
- Cherty Argillite, locally phyllitic
  - Limestone, micritic, in part recrystallized
  - Intermediate-felsic igneous rocks
  - Intermediate-felsic igneous float
  - Phyllite, locally cherty or quartz rich
  - Tuff, locally intercalated with limestone or phyllite

**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
- Geological Contact - uncertain
- Geological Contact - observed
- Outcrop

FIGURE 4

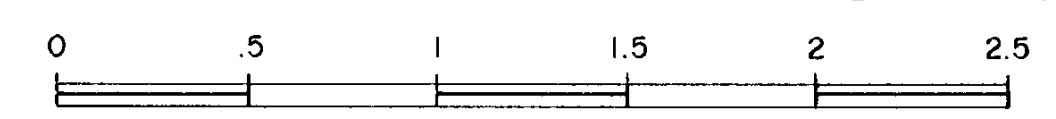
GOLDEN PORPHYRITE LTD.

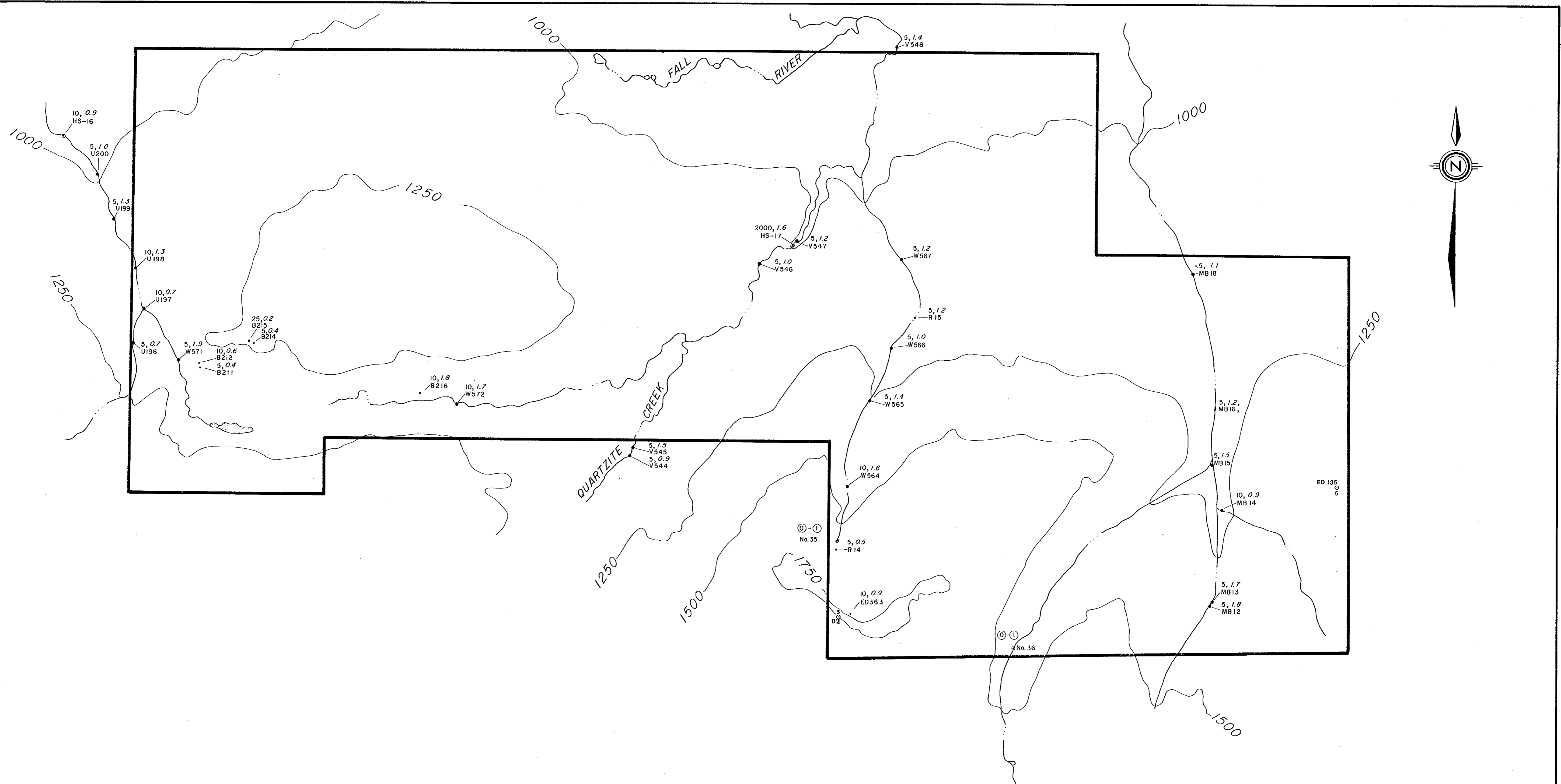
**FALL RIVER PROPERTY**

**GEOLOGY** GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**12,541**

SCALE IN KILOMETRES





**LEGEND**

- 5 Au (ppb)
- 1.1 Ag (ppm)
- B212 Rock chip sample number - Oct '83
- Stream Sediment Samples
- ⊙ Rock chip taken July '83

Heavy Sediment Sampling Location

- ① Scale of Au from 1 to 10
- 9 Sample number

Scale of Au

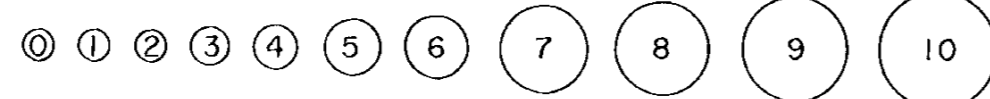
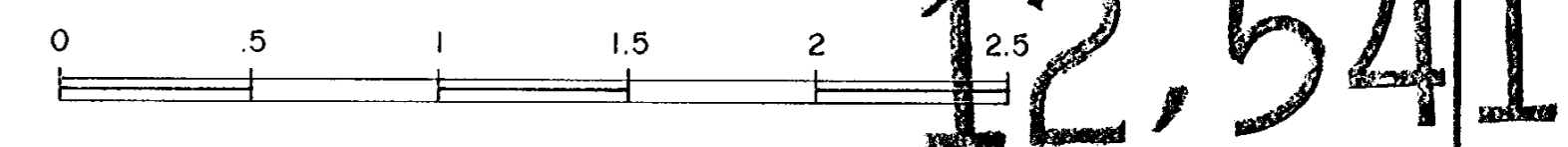


FIGURE 5

GOLDEN PORPHYRITE LTD.

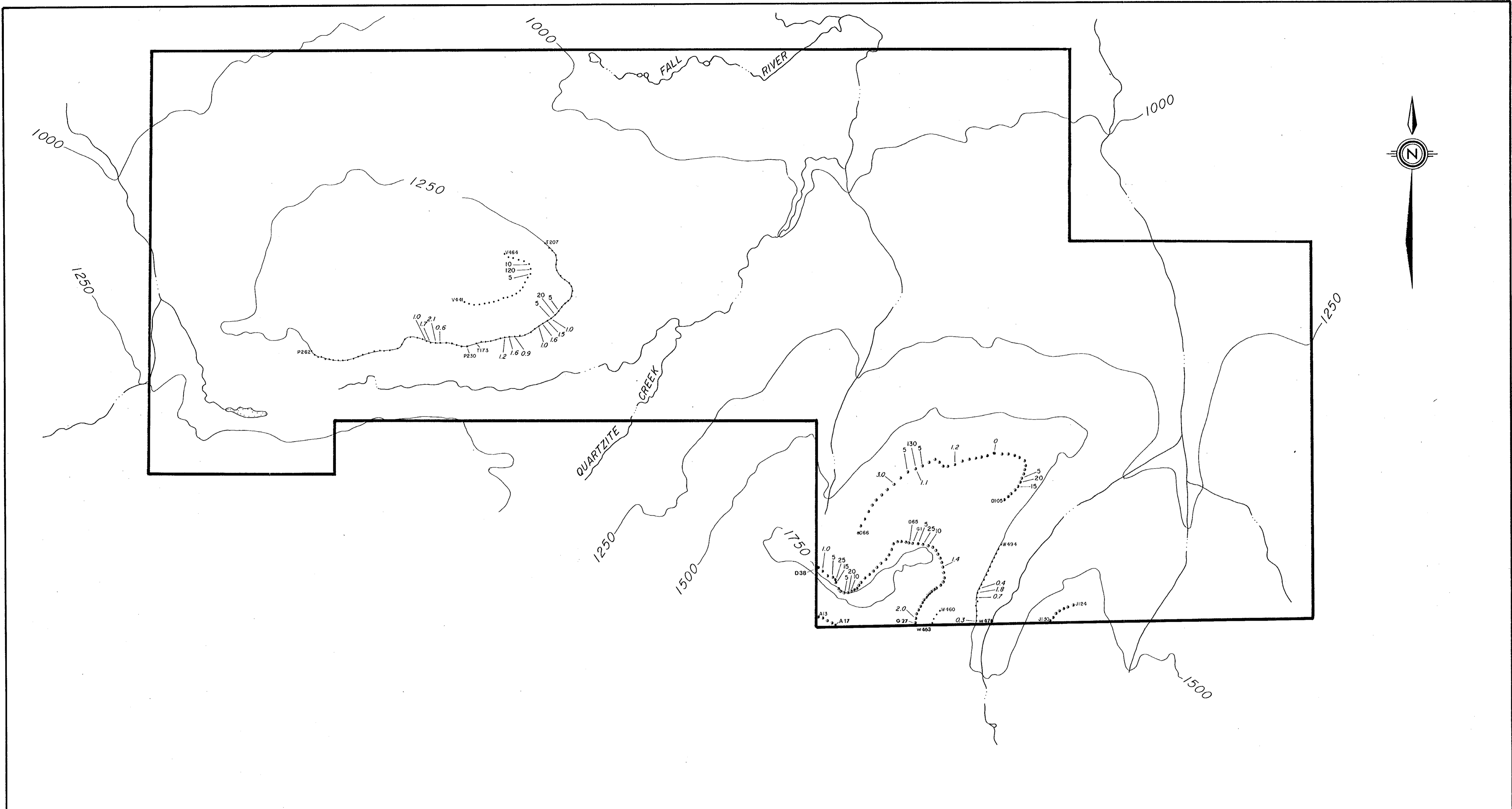
**FALL RIVER PROPERTY  
ROCK CHIP GEOCHEMICAL AND  
HEAVY SEDIMENT SAMPLING  
LOCATION PLAN**

SCALE IN KILOMETRES



GEOLOGICAL BRANCH  
ASSESSMENT REPORT





LEGEND

- 5 Au (ppb) (Only anomolous values plotted)
- 2.3 Ag (ppm) (Only anomolous values plotted)
- W474 Soil Sample Number
- Samples taken October 1983
- Samples taken July 1983

FIGURE 6

GOLDEN PORPHYRITE LTD.

FALL RIVER PROPERTY

SOIL GEOCHEMICAL  
LOCATION PLAN

LOGICAL BRANCH  
ASSESSMENT REPORT

SCALE IN KILOMETRES



12,541