

12/88

LOG NO: 1217	RD.
ACTION:	
FILE NO: 87-898-16637	
SOIL SAMPLING	

REPORT ON  
 GEOLOGICAL MAPPING, GEOCHEMICAL  
 AND TRENCHING

LJ (3048) CLAIM  
 Lillooet Mining Division  
 Gold Bridge, B.C.

FILMED

Latitude: 50°52'<sup>51'48"</sup>N

Longitude: 122°44'<sup>04"</sup>W

N.T.S.: 92-J-15E

for

Operator: HOYLE RESOURCES INC.  
 600 - 890 West Pender Street  
 Vancouver, B.C. V6C 1J9  
 604-688-7936

Owner: *W. McClelland*  
 W. McClelland

SUB-RECORDER RECEIVED
DEC 15 1987
M.R. # ..... \$.....
VANCOUVER, B.C.

by

Vancouver, B.C.  
 31 October 1987

Chris J. Sampson, P.Eng.  
 Consulting Geologist

**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

**16,637**  
 SAMPSON ENGINEERING INC.  
 2696 West 4th Avenue  
 Vancouver, B.C. V6K 2L6

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## SUMMARY

Hoyle Resources Inc. hold the 20 metric unit LJ claim situated 7 kms east of Goldbridge, B.C.

Programmes of geochemical soil sampling in 1985 and summer 1987 located six geochemical anomalies in soils overlying Bridge River group rocks. Subsequent programmes of geological mapping and prospecting in August and September 1987 discovered stibnite and arsenopyrite bearing float in the south-western corner of the claim which assayed up to 0.258 oz/ton gold and 0.53 oz/ton silver in grab samples. Follow up, pitting and trenching exposed the source of the float - two mineralized shear zones (designated 1 and 2). Chip samples taken across the shear zones returned precious metal values up to 0.548 oz/ton gold and 1.52 oz/ton silver, over a width of 40 cms.

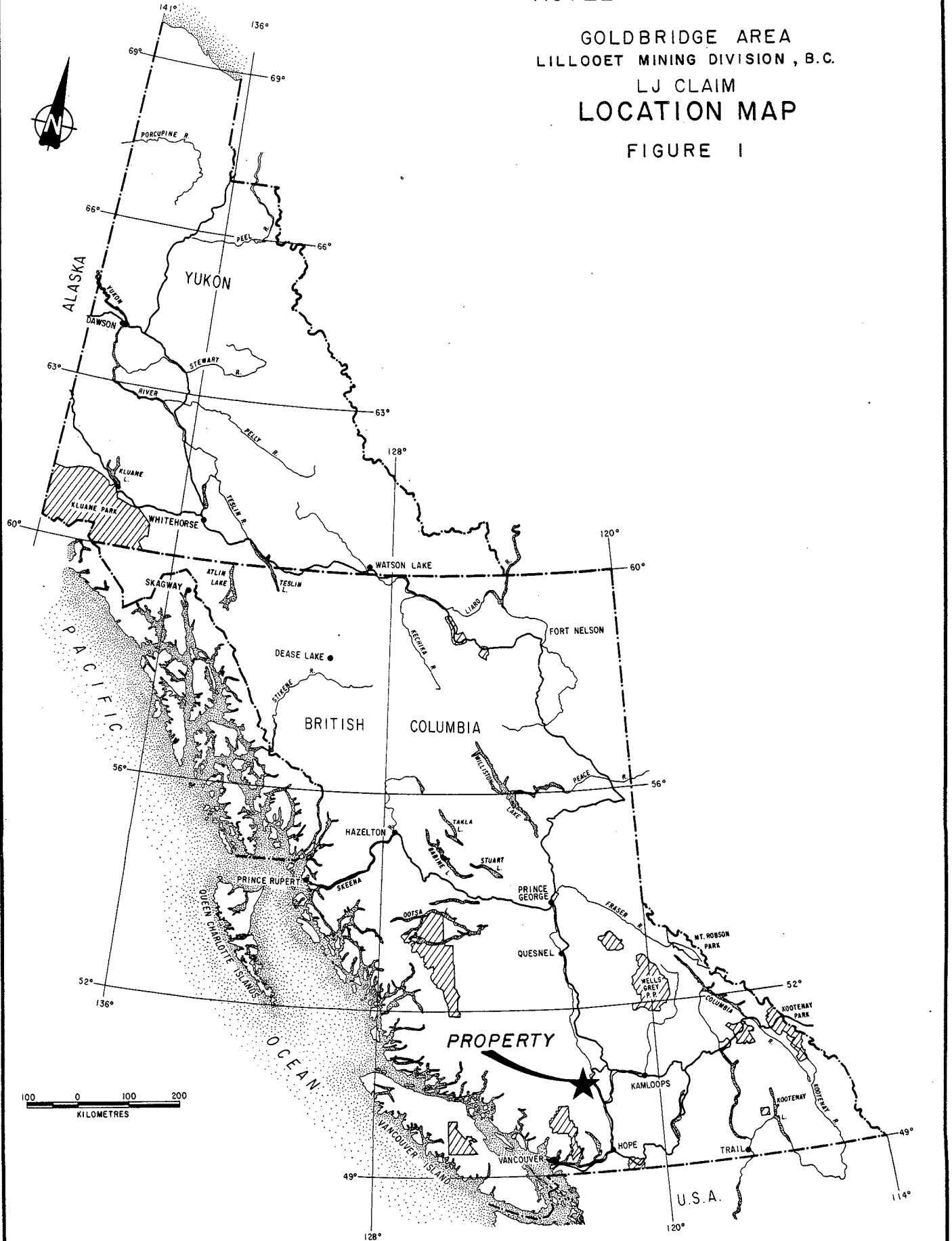
Three other geochemical anomalies were also explored by building road cuts along hill slopes. These exposed pyrite bearing shears carrying low precious metal values.

# HOYLE RESOURCES INC.

GOLDBRIDGE AREA  
LILLOOET MINING DIVISION, B.C.

## LJ CLAIM LOCATION MAP

FIGURE 1



## INTRODUCTION

In September 1985, a programme of geochemical soil sampling on the Hoyle Resources LJ claim (situated 7 km east of Goldbridge, B.C.) located geochemical anomalies in soils overlying Bridge River group rocks. Follow up programmes of fill in geochemical sampling, trenching and diamond drilling were recommended in the November 1985 report (revised August 1987).

During July 1987, Hoyle Resources personnel carried out a programme of fill in geochemistry by running lines between the 200m spaced lines of the original grid. Samples collected at 25m spacing were analyzed for Gold, Silver, Arsenic, Antimony, Lead, Zinc and Copper. The programme defined and extended the previously located anomalies.

The geology of the claim group was mapped and prospected. In the vicinity of the strong arsenic and antimony anomalies in the south-western corner of the property, pieces of float containing massive arsenopyrite and stibnite were found. Subsequent trenching of these areas discovered two mineralized zones containing stibnite, arsenopyrite, silver and gold. Chip samples across the veins assayed up to 0.548 oz/ton gold over 40cms width.

## PROPERTY, LOCATION, ACCESS, CLIMATE

The 20 unit LJ claim held by Hoyle Resources is situated at the headwaters of Girl Creek at the northern end of the Bendor range approx. 7 km east of the village of Gold Bridge in the Bridge River area, Lillooet Mining Division, B.C.

Claim details are as follows:

<u>Claim Name</u>	<u>Record No.</u>	<u>Units</u>	<u>Expiry Date</u>
LJ	3048	20	26 December 1987

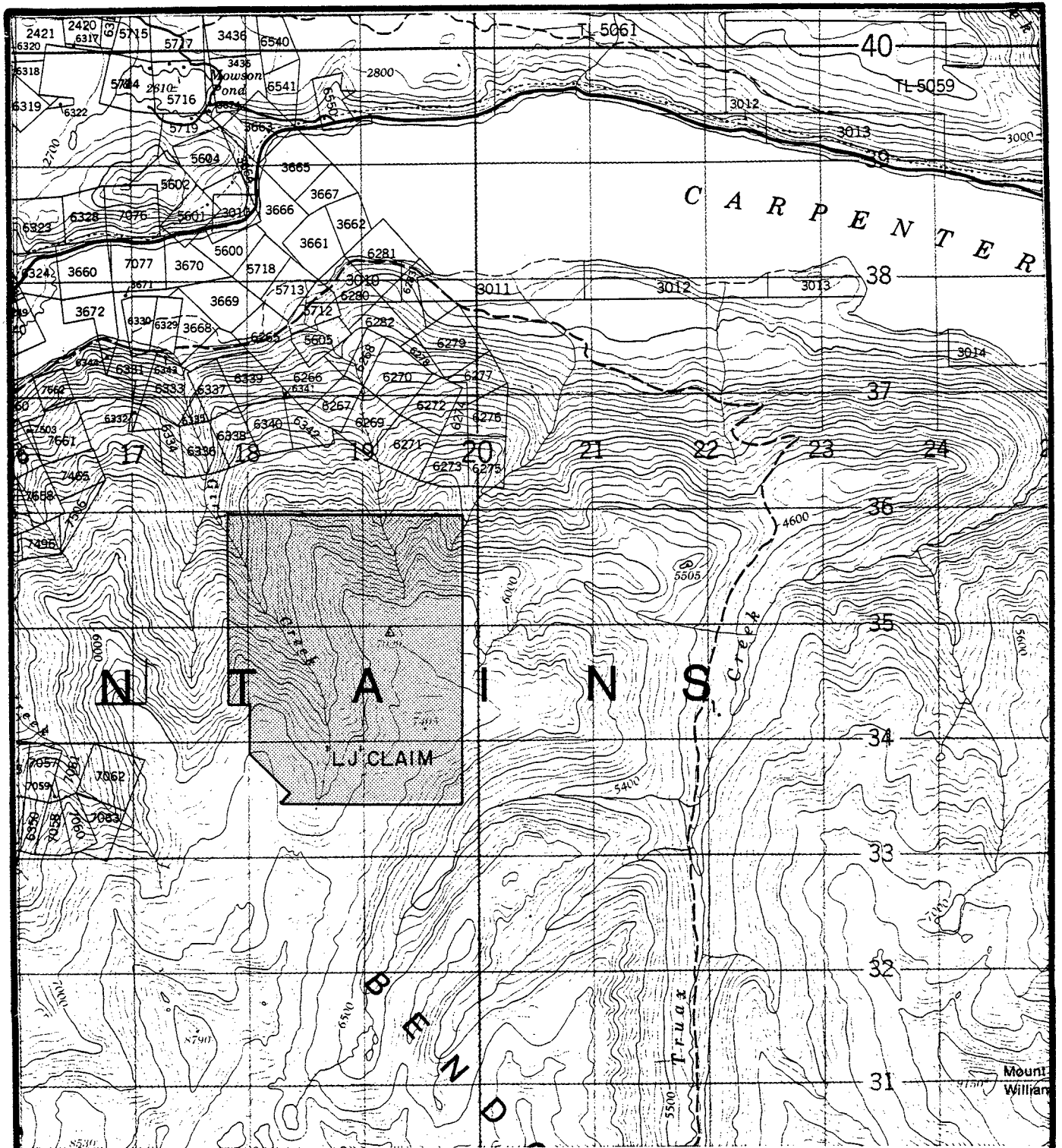


FIGURE 2

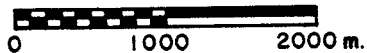
HOYLE RESOURCES INC.

GOLDBRIDGE AREA  
 LILLOOET MINING DIVISION, B.C.  
 LJ CLAIM  
 TOPOGRAPHIC MAP

DATE:  
 MAY 1985

SCALE:  
 1 : 50,000

BY:  
 C. SAMPSON



The claim group is situated between 1370m (4500 ft) and 2260m (7405 ft) altitude. Approx. 40% of the property is above the tree line.

During August-September 1987, a road was constructed across the Big Apple, More Apples and Itsa claims which are situated to the west of the LJ claim. A spur joining this road to the LJ claim was also constructed. This road system connects with the McDonald Lake access road and the road along the south side of Carpenter Lake - thus providing road access to Goldbridge and permitting access to the LJ claim of four wheel drive vehicles and heavy equipment.

Due to the altitude at which the claims are situated, geological mapping, geochemical soil sampling, etc. can only be carried out during the six month period between May and October.

## HISTORY

The Bridge River mining area has been the most significant gold producer in B.C. The original discovery of placer gold was made in 1863 and by the end of the 19th century many of the lode gold veins had been found. The Pioneer subsequently produced 1.3 million ounces (1928-1962) and the larger Bralorne mine produced 2.8 million ounces gold (1932-1971). There were several smaller producers in the area such as the Minto (1934-1937 about 80,000 tons) and Wayside (1934-1936, 40,000 tons).

The major period of exploration in the district was during the 1930s, but in recent years increases in the price of gold and development of modern geochemical and geophysical techniques has lead to renewed interest in the area. In particular, work by Levon-Veronex on the Congress property, 4 km north of the LJ claim and Menika on their ground 5 km west of the LJ claim has located significant arsenic, antimony, gold geochemical soil anomalies which subsequent trenching has shown to be caused by mineralized shear zones. On the Congress property, in particular the Lou zone, is up to 39 feet wide, 2400 foot long and assays as high as 0.37 oz

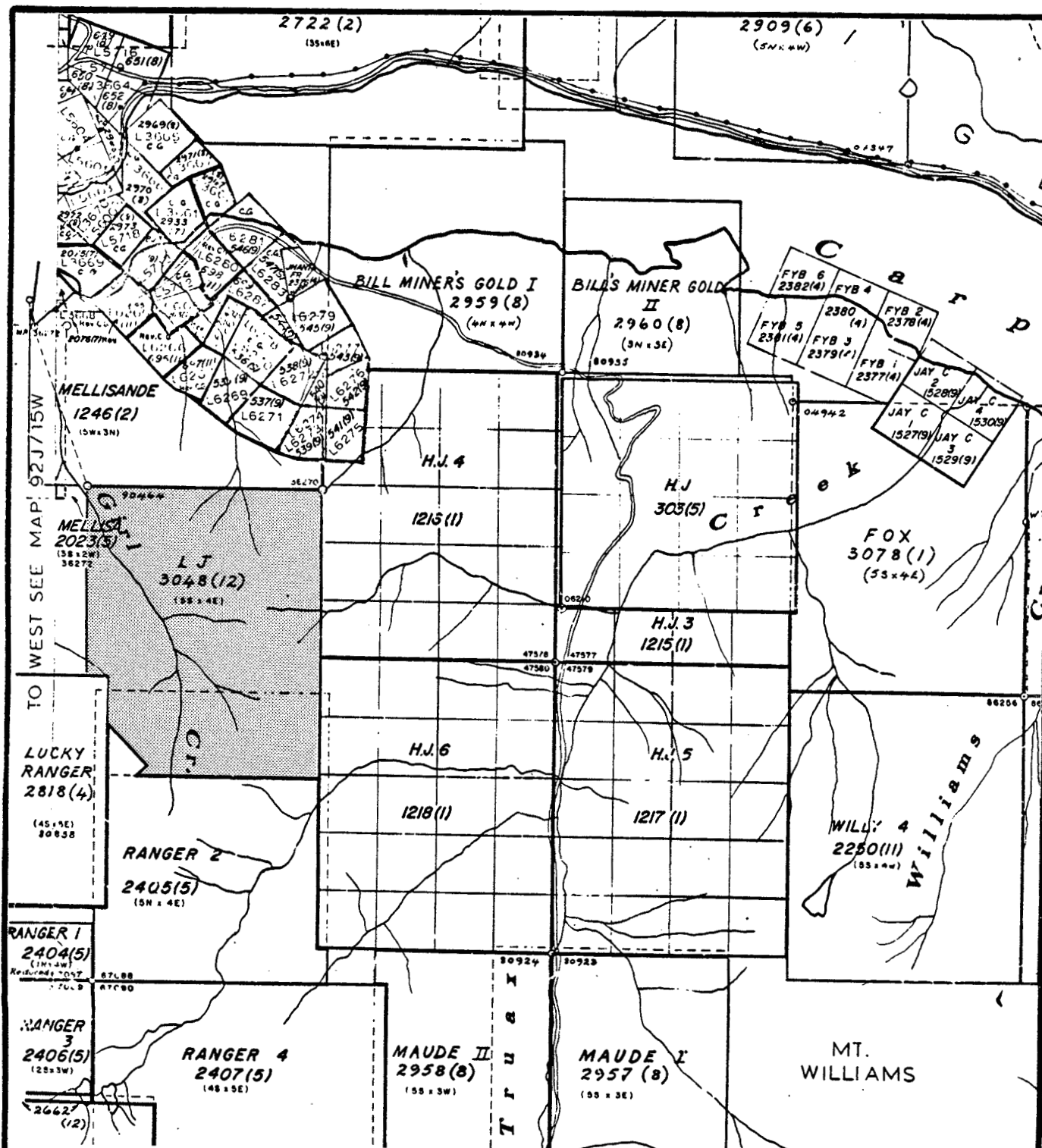


FIGURE 3

<b>HOYLE RESOURCES INC.</b>		
GOLDBRIDGE AREA LILLOOET MINING DIVISION, B.C. LJ CLAIM <b>CLAIM MAP</b>		
DATE: MAY 1985	SCALE: 1 : 50,000	BY: C. SAMPSON



gold per ton. This was completely covered by overburden and could not have been found by conventional prospecting methods.

Approx. 5 km to the west, Menika Mining Ltd. is exploring the old Senator gold-antimony and Reliance gold-antimony prospects. These were exposed by trenches and adits in the 1930s but have subsequently been explored by geochemical and geophysical methods and drilling.

### REGIONAL GEOLOGY

The geology of the property as shown in Figure 4 is taken from Map 43-15A from Paper 43-15 Geological Survey of Canada by C.E. Cairnes.

The Bridge River district is situated close to the western margin of the Intermontaine belt of sedimentary and volcanic rocks which is adjacent to the Coast Plutonic Complex of metamorphic and plutonic rocks. In the immediate Bridge River area a series of middle Triassic oceanic sediments and eugeosynclinal volcanics have been intruded by upper Triassic intermediate Bralorne intrusions. Overlying Jurassic and Cretaceous eugeosynclinal sediments and volcanics have also been intruded by Cretaceous and Tertiary felsic plutons. Recent volcanic ash averaging 30 cm in thickness covers much of the district.

Cairnes 43-15A map indicates that the LJ property is underlain by rocks of the Bridge River Group. This group is exposed regionally along the wide axial zone of a broad complex antiformal structure that plunges to the NW along an axis that passes through Shalalth and Tyaughton lakes and contains the main valleys of Bridge River and Seaton Lake. The term Bridge River Group for these rocks was adopted by Roddick and Hutchinson (G.S.C. Paper 73-17) to resolve the problems of nomenclature caused by earlier geologist who had used Bridge River Series or Fergusson Group for part or all of the sequence. The Bridge River Group consists mainly of a thick sequence of a thin bedded chert, cherty argillite and argillite intercalated with altered andesitic and basaltic flows and minor

**SAMPSON ENGINEERING INC.**

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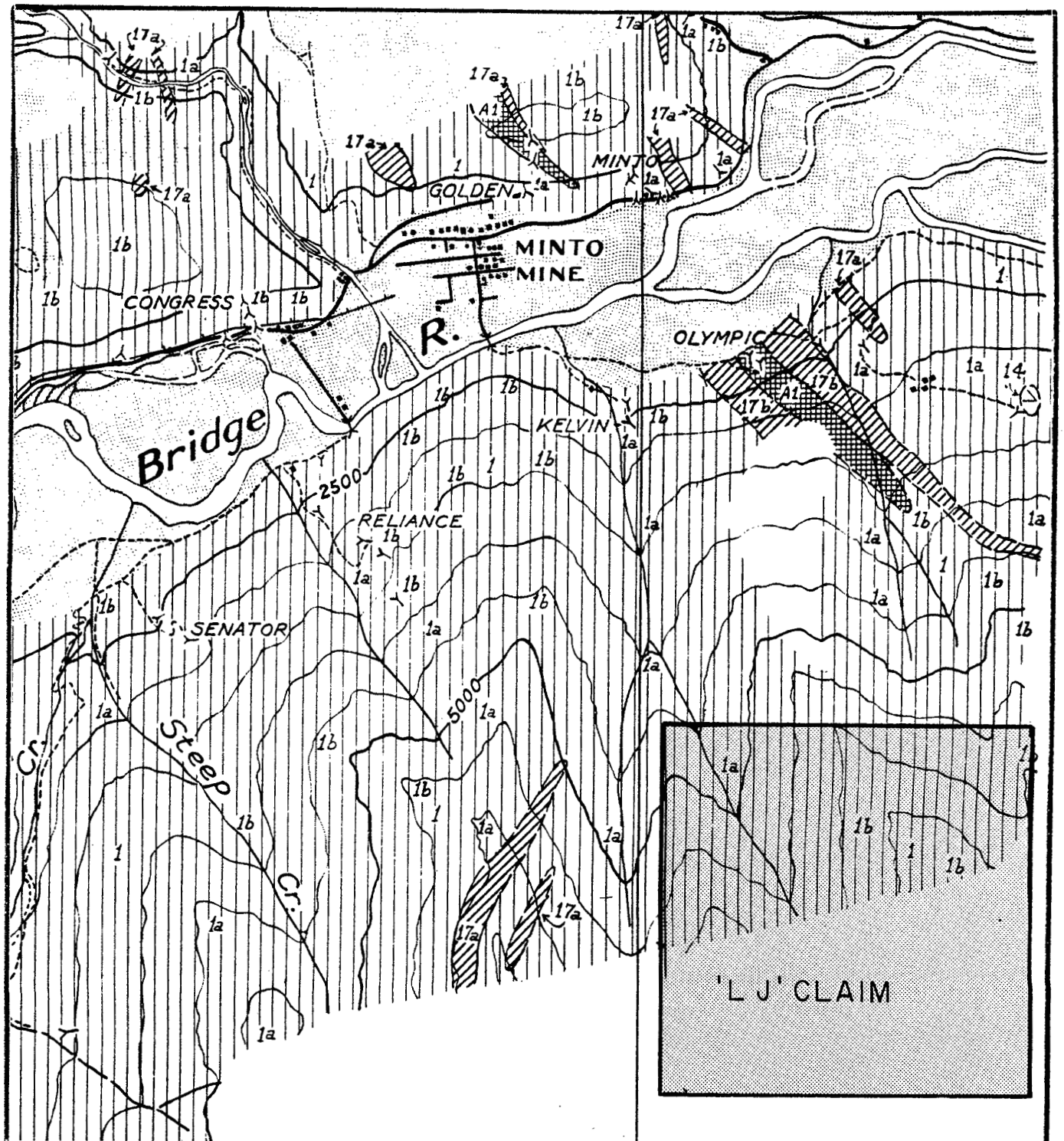


FIGURE 4

HOYLE RESOURCES INC.

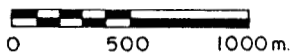
GOLDBRIDGE AREA  
LILLOOET MINING DIVISION, B.C.

LJ CLAIM  
GEOLOGY MAP

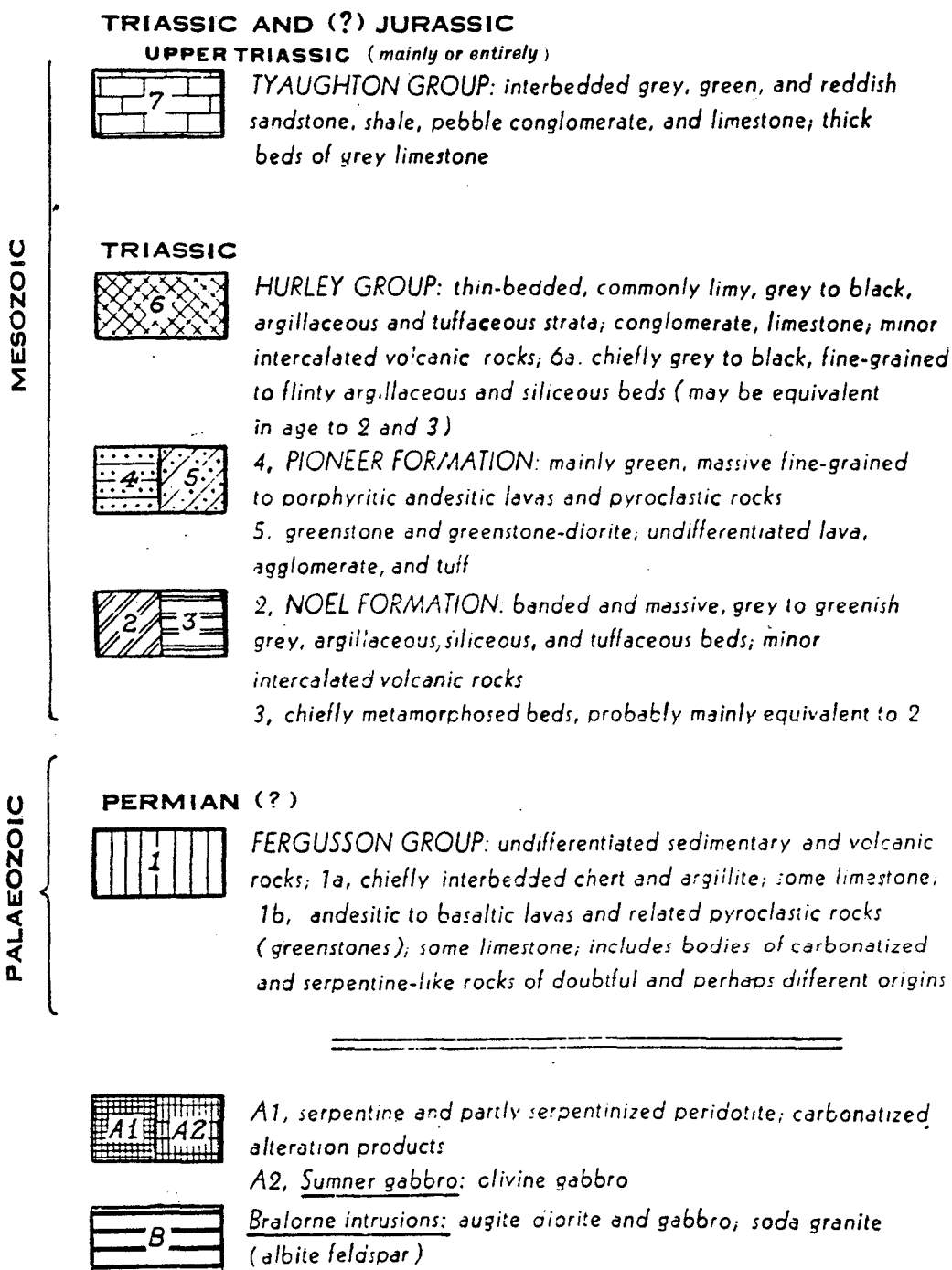
DATE:  
JUNE 1985

SCALE:  
1 : 31,680

BY:  
C. SAMPSON



LEGEND: FROM MAP 43-15A



limestone. Although apparently considerable the thickness of the assemblage is not known because of a complex folding and faulting and the lack of easily recognizable marker horizons. Dark to light grey weathering chert and dark cherty argillites are the most abundant rock types but locally the greenstones (volcanics) or dark argillites are dominant. Pods of light grey to buff grey weathering limestone occur throughout the Bridge River Group. Most are 15m thick or less with a few as thick as 100m. Most of the limestone is extensively veined by recrystallized carbonate and recrystallization has destroyed most fossils, but on the east side of Tyaughton Creek, immediately above the Bridge River road, an assemblage of conodonts by Monger in 1971 positively identify the Bridge River Group as of Middle Triassic Age.

The Olympic, Kelvin, Reliance and Senator showings are less than 3 km to the north and northwest of the property. Of these the Senator, Reliance and Kelvin consist of gold-antimony bearing veins in Bridge River Series rocks. The Olympic, also gold bearing, is situated in a serpentized peridotite intrusive.

#### PROPERTY GEOLOGY

During August 1987, the LJ property geology was mapped and plotted on a 1:5000 scale sheet (Figure 5). The northern part of the claim is generally too steep for mapping and the work was therefore confined to the grid area.

Outcrop is confined to the sides of the horseshoe shaped ridge surrounding the headwaters of Girl Creek, and consists of large rock bluffs. The top of the ridge consists of smooth rolling country with occasional small outcrops interspersed with large areas of shallow overburden consisting of fine scree derived from bedrock overlain by very thin, poorly developed alpine soils which support a turf cover of alpine plants - mosses, lichens, heather, grasses, etc.

All the outcrops examined are formed by rocks belonging to what was called Bridge River Group by Roddick and Hutchinson (1973), but has recently been subdivided into Fergusson Series and Pioneer Formation (Church 1976). They consist of a series of cherts, cherty argillites and greenstones derived from chloritised andesites. Using Roddick and Hutchinson's stratigraphic sequence all would be regarded as Bridge River Group. Using Church's system the cherts would be part of the Fergusson Series and the greenstones would form part of the overlying Pioneer Formation.

The cherts are pale grey to white, very fine grained on a fresh surface and show 3-6cm spaced parting planes which are probably caused by regional metamorphism and strike generally 300-310 with either a vertical dip or steep dip to the east.

The argillites are massive brown grey to buff and also exhibit a strong regional schistosity striking 300-310°. Bedding, consisting of cherty bands in the argillites, was noted in some localities particularly on L125 around the base line. Strike varies from 230-260° and dips from 40° to 80°S.

The greenstones typically form bluff, rounded outcrops which weather maroon or dark green. On the fresh surface the rock is green to dark green (often due to chloritisation) fine to medium grained, with numerous irregular 1-2mm calcite stringers.

## MINERALIZATION

During the course of mapping the southwestern part of the grid area, 1-4cm size pieces of float containing stibnite and arsenopyrite were encountered in three separate areas about 100m apart.

Further prospecting located blocks of massive stibnite and arsenopyrite up to 40cms diameter by 10-15cms thick. Several grab samples of the stibnite, arsenopyrite bearing float were collected and assayed for gold and silver. Values up to 0.258 oz/ton Au, 0.53 oz/ton Ag were obtained.

Subsequent detailed mapping, blasting, pitting and trenching located two mineralized shears (zones 1 and 2) carrying gold, silver, arsenic and antimony in sheared, altered, pyritized chert.

The numerous rusty fractures which occur in the chert in this part of the grid are probably related to the main stibnite bearing shears - as is common elsewhere in this part of the Bridge River district. An envelope of altered country rock 10-30m wide usually occurs on both the foot and hanging wall sides of the mineralized shear zones. This alteration envelope contains quartz veinlets, carbonate alteration and malachite. Numerous 1-10cm wide pyrite bearing fractures are present and oxidation of these and the ankerite causes pronounced orange-brown colouration of outcrops.

Chip samples at 1m spacing were taken along each of the stibnite bearing Zones 1 and 2. Sample locations and assays results are shown on Fig. 9.

Zone 1 strikes 330° and dips 10°-20°SW. It varies from 10cm to 50cm in width and has been exposed by pitting and trenching over 17m of strike length. Zone 2 strikes 030° and dips 50°-60°NW. It has been exposed over 12m of strike length and varies from 5cms to 40cms in width.

*Alpine area; soil horizons  
not developed; probably "C",  
very shallow*

## GEOCHEMICAL SOIL SAMPLING RESULTS

As described in November 1985 report, during the period 23-27 September 1985 Renegade Mineral Exploration Services, on behalf of Hoyle Resources, ran a north-south baseline through the centre of the LJ Claim and ran east-west 200 metre spaced lines. Soil samples were collected every 50 metres along the east-west lines from the B soil horizon.

The 1985 survey located six anomalies, designated A to F. A programme of fill-in sampling was recommended.

In August 1987, the follow up geochemical sampling was carried out by running intermediate lines between the original 200m spaced lines. The 276 samples (collected at 25m intervals) were analyzed by Min-En Labs in Vancouver for gold, silver, arsenic, antimony, lead, zinc and copper. Values for each element were analyzed statistically assuming log normal distribution as is usual in the Bridge River area, and plotted together with 1985 values on three maps:

Gold-Arsenic	Figure 6
Antimony-Silver	Figure 7
Copper-Lead-Zinc	Figure 8

The 1987 fill-in sampling successfully defined and extended the previously discovered anomalies.

Analytical methods used by Min-En Labs are as follows:

"Analytical Procedure Report for Assessment Work - 26 Element ICP

Ag, Al, As, B, Bi, Ca, Cd, Co, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, U, V, Zn

Samples are processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO<sub>3</sub> and HClO<sub>4</sub> mixture.

After cooling samples are diluted to standard volume. The solutions are analyzed by Computer operated Jarrell Ash 9000ICP. Inductively coupled Plasma Analyzer. Reports are formatted by routing computer dotline print out.

Gold Geochemical Analysis by Min-En Laboratories Ltd.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pretreated with HNO<sub>3</sub> and HClO<sub>4</sub> mixture.



After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analyzed by Atomic Absorption instrument. The obtained detection limit is 0.005 ppm (5 ppb). "

During September 1987, Hoyle Resources constructed a road across the gridded area of the LJ claim giving access to four of the geochemical anomalies. A series of pits were blasted on the showings discovered at Anomaly A and road cuts exposed bedrock at anomalies B, C and F. The geochemical anomalies at these localities are caused by a series of pyrite bearing shears which carry only low gold and silver values.

### CONCLUSIONS

1. The LJ claim of Hoyle Resources is underlain by cherts, cherty argillites, argillites and greenstones (volcanics) of the Bridge River group.
2. Geochemical soil sampling; geological mapping and prospecting; blasting and pitting; some trenching discovered two stibnite arsenopyrite bearing shear zones in the southwestern corner of the claim group.
3. Zone 1 strikes 330°, dips 10-20° SW and was exposed by pitting and trenching over 17m (56ft) strike length. The shear is bounded on both foot and hanging wall sides by sharp, planar, well defined

fracture surfaces and varies in width from 10cm to 50cm. Massive stibnite, arsenopyrite and some pyrite occurs as lenses up to 40cms thick by 1m long. Gangue is altered chert country rock, quartz veining and calcite.

The footwall and hanging wall chert country rock has been extensively fractured and altered for several metres away from the shear zone. Numerous 1mm to 1m wide pyrite filled fractures are present - some parallel with the main shear zone. Weathering of the pyrite has formed a rusty zone in outcrops along the ridge both above and below the principal shear. Several pits were blasted on the various pyrite bearing fractures but precious metal values were low.

4. Zone 2 shows similar geology to Zone 1 but is narrower. It strikes at  $030^{\circ}$  and dips  $50-60^{\circ}$ NW. It's exposed by pitting and trenching over 12m (40ft) and was chip sampled at 1m intervals. Assays ran up to 0.211 oz/ton gold and 1.52 oz/ton silver.

#### RECOMMENDATIONS

1. A further small programme of pitting and blasting is needed to explore geochemical anomalies D and E.
2. Diamond drilling from the ridge above Zones 1 and 2 should be done in order to explore the two zones down dip and test for extensions of Zone 1 to the south under a scree slope from which blocks of massive stibnite and arsenopyrite have been collected.

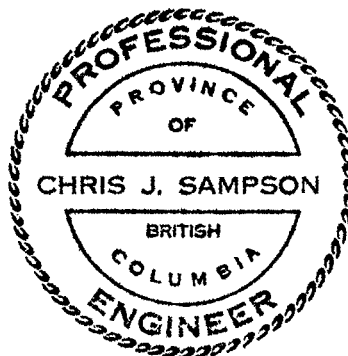
COST ESTIMATES

## 1. Pitting, Trenching, Road Maintenance

Backhoe rental: 10 days @ \$1000/day	10,000
Pitting, hand mucking: 8 days @ \$500/day	4,000
Supervision, sampling: 10 days @ \$400/day	4,000
Analyses, freight, etc.	<u>2,000</u>
	\$20,000

## 2. Diamond Drilling

20, 60m 50° dip BQ holes @ \$70/m.	84,000
Assays, 300 samples @ \$20 each	6,000
Supervision, accommodation, office work	<u>10,000</u>
	<u>100,000</u>
TOTAL:	<u>\$120,000</u>



Vancouver, B.C.  
31 October 1987

*Chris J. Sampson*  
Chris J. Sampson, P.Eng.  
Consulting Geologist

**SAMPSON ENGINEERING INC.**

2696 West 11th Avenue  
Vancouver, B.C. V6K 2L6

LJ CLAIMS GOLDBRIDGE B.C.EXPENSES JUNE - NOVEMBER 1987

1.	Prospecting, soil-samplings, mapping, road-layout and drill mobilization			
	Ken Emoree	Aug. 1/87 to Oct. 27/87	19.5 days @ \$160.00 P/D =	\$3,120.00
	David R. Kliewer	Aug. 1/87 to Oct. 27/87	26 days @ \$160.00 P/D =	\$4,240.00
	Brian D. Game	Sep. 15/87 to Oct. 27/87	13 days @ \$175.00 P/D =	\$2,275.00
	Greg Baylis	Aug. 1/87 to Sep. 27/87	8 days @ \$110.00 P/D =	\$ 880.00
			TOTAL	<u>\$10,515.00</u>
<hr/>				
2.	Cariboo Chilcotin Helicopters Ltd.			
		Jun. 24/87 to Aug. 21/87	=	<u>\$2,898.94</u>
<hr/>				
3.	Trenching, blasting, powder & supplies			
	3.A Illidge Drilling & Contracting Ltd.	Sep. 10/87 to Sep. 13/87	=	\$1,700.00
	3.B Alexander Ltd.	Sep. 19 & 20/87	=	\$ 851.35
			TOTAL	<u>\$2,551.35</u>
<hr/>				
4.	Road building and trenching			
	4.A Randy Polischuk	Sep. 3/87 - 8 hours @ \$100.00 P/H	=	\$ 800.00
		Sep. 2/87 - 9 hours @ \$100.00 P/H	=	\$ 900.00
	4.B Echo Logging Ltd.	Sep. 13/87 - 3.5 hrs		
		Sep. 14/87 - 7.5 hrs		
		Sep. 15/87 - 8.5 hrs		
		Sep. 16/87 - 7.5 hrs		
		Sep. 17/87 - 8 hrs		
		Sep. 18/87 - 6 hrs		
		Sep. 21/87 - 7.5 hrs		
		Sep. 22/87 - 10 hrs		
		TOTAL 58.5 Hrs @ \$116.48 P/H =		<u>\$6,814.08</u>
			TOTAL	<u>\$8,514.08</u>
<hr/>				
5.	Soil Geochemical Assays and Rock Assays			
	Min-En Laboratories Ltd.			
	5.A	Aug. 24/87 to Sep. 21/87		
		276 Samples	=	\$3,422.50
	5.B	Aug. 25/87 to Oct. 27/87		
		191 Samples	=	<u>\$4,079.15</u>
			TOTAL	<u>\$7,501.65</u>

LJ CLAIMS GOLDBRIDGE B.C.  
EXPENSES

6.	Sampson Engineering Inc. Consulting and mapping			
6.A	July 2/87 to Sept. 27/87	11 days @ \$250.00 P/D	=	\$2,750.00
6.B	Mineral Graphics Maps		=	<u>\$ 365.08</u>
		TOTAL	=	<u>\$3,115.08</u>
<hr/>				
7.	Truck Rental Mileage and misc. expenses		=	
	Aug. 1/87 to Oct. 27/87			<u>\$1,038.98</u>
<hr/>				
		GRAND TOTAL	=	<u>\$36,135.08</u>

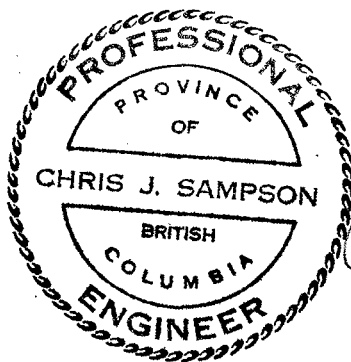
REFERENCES

- 1937 Geological Survey Memoir, 213 «Geology and Mineral Deposits on Bridge River Mining Camp, B.C.», C.E. Cairnes.
- 1943 Geological Survey of Canada, Paper 43-15, «Geology and Mineral Deposits of the Tyaughton Lake Map Area, B.C.», C.E. Cairnes.
- 1973 Paper 73-17 Geological Survey of Canada, «Pemberton East-Half Map Area», J.A. Roddick and W.W. Hutchinson.
- 1985 Sampson, C.J., Report on Geochemical Soil Sampling LJ Property, for Hoyle Resources, November 1985 (Revised August 1987).

CERTIFICATE

I, Christopher J. Sampson, of 2696 West 11th Avenue, Vancouver, B.C. V6K 2L6, hereby certify that:

1. I am a graduate (1966) of the Royal School of Mines, London University, England with a Bachelor of Science Degree (Honours) in Economic Geology.
2. I have practised my profession of mining exploration for the past 21 years in Canada, Europe, United States and Central America. For the past 11 years, I have been based in British Columbia.
3. I am a consulting geologist. I am a registered member in good standing of the Association of Professional Engineers of British Columbia.
4. I have written reports in 1983-1987 on many properties in the Bridge River Area.
5. The present report is based on knowledge of the Bridge River area and study of published and unpublished reports and data as well as visits made to the property and supervision of work programmes in July, August, September 1987.
6. I have not received nor do I expect to receive any interest, direct or indirect, in the properties or securities of Hoyle Resources Inc. or in those of its associated companies.
7. Hoyle Resources Inc. and its affiliates are hereby authorized to use this report in, or in conjunction with, any prospectus or statement of material facts.
8. I have no interest in any other property or company holding property within 10 kilometres of the LJ Claims.



Vancouver, B.C.  
31 October 1987

*Chris J. Sampson*

Christopher J. Sampson, P.Eng.  
Consulting Geologist

**SAMPSON ENGINEERING INC.**

2696 West 11th Avenue  
Vancouver, B.C. V6K 2L6

**APPENDIX A**

**Soil Sampling:  
Geochemical Analyses**



PROJECT NO:

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

FILE NO: 7-962/P1+2

ATTENTION: C. SAMPSON

(604)980-5814 DR (604)988-4524

\* TYPE SOIL GEOCHEM \*

DATE: AUGUST 17, 1987

(VALUES IN PPM)	AS	AS	PB	SB	ZN	AU-PPB
L1S 1+00E	.6	4	13	1	156	4
L1S 1+25E	.8	20	18	2	124	7
L1S 1+50E	.8	36	16	7	167	3
L1S 1+75E	1.1	87	4	13	158	45
L1S 2+00E	.8	29	19	3	152	3
L1S 2+25E	1.4	27	6	1	102	2
L1S 2+50E	1.0	39	6	3	123	4
L1S 2+75E	1.2	27	9	1	198	5
L1S 3+00E	.8	28	7	1	161	6
L1S 3+75E	1.4	21	7	1	204	3
L1S 4+00E	1.4	30	9	3	180	7
L1S 4+25E	1.6	36	15	4	194	3
L1S 4+50E	1.4	27	18	2	183	4
L1S 4+75E	1.4	30	4	2	195	2
L1S 5+00E	1.5	9	10	1	184	3
L1S 3+00W	1.6	17	6	11	138	3
L1S 3+25W 20M	1.6	1	10	11	161	6
L1S 3+50W 20M	1.4	33	4	7	111	3
L1S 3+75W 20M	1.4	20	8	6	123	5
L1S 4+00W	.8	57	9	13	98	20
L1S 4+25W 20M	1.2	28	14	9	110	35
L1S 4+50W 20M	1.6	28	9	10	152	8
L1S 4+75W	1.5	17	19	7	165	4
L1S 5+00W 20M	1.8	13	12	8	142	3
L1S 5+25W	.9	20	15	5	142	2
L1S 5+50W	1.0	22	11	12	122	4
L1S 5+75W	1.4	9	18	21	146	3
L1S 6+00W	1.6	13	17	1	152	3
L1S 6+25W 20M	1.1	20	5	1	131	4
L1S 6+50W	1.0	16	12	35	117	3
L1S 6+75W 20M	1.0	5	15	9	123	3
L1S 7+00W	1.4	28	9	29	183	4
L1S 7+25W	1.3	27	12	20	181	29
L1S 7+50W	1.2	28	18	12	186	7
L1S 7+75W	.4	9	7	1	135	6
L1S 8+00W 20M	.8	5	6	1	135	3
L1S 8+25W 20M	.4	18	8	4	109	6
L1S 8+50W	.4	9	9	3	73	2
L1S 8+75W 20M	.3	15	13	3	127	3
L1S 9+00W	.4	20	10	6	189	2
L1S 9+25W	.4	3	4	5	161	11
L1S 9+50W	.7	2	9	6	167	3
L1S 9+75W	.8	21	12	1	197	2
L1S 10+00W	.6	27	10	1	202	3
L3S 1+00E	1.7	13	12	7	117	17
L3S 1+25E 20M	2.8	19	7	7	106	8
L3S 1+50E 20M	2.3	19	12	6	120	4
L3S 1+75E	1.7	29	10	7	146	3
L3S 2+00E	2.3	35	13	1	118	14
L3S 2+25E 20M	1.3	16	6	4	128	3
L3S 2+50E 20M	1.7	14	4	6	116	2
L3S 2+75E 20M	1.7	25	11	6	130	6
L3S 3+00E	1.8	32	15	1	155	10
L3S 3+25E 20M	3.0	12	23	4	129	12
L3S 3+50E 20M	1.4	26	4	3	124	4
L3S 3+75E 20M	1.1	18	13	4	94	3
L3S 4+00E	1.2	28	14	6	129	2
L3S 4+25E	1.9	37	19	1	141	6
L3S 4+50E	1.0	23	4	6	143	5
L3S 4+75E	1.7	10	19	2	123	3

1987 - FILL-IN GEOCHEMICAL  
SOIL SAMPLING RESULTS

70

COMPANY: HOYLE RESOURCES

## MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO:

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

FILE NO: 7-962/P3+4

ATTENTION: C. SAMPSON

(604)980-5814 OR (604)988-4524

\* TYPE SOIL GEOCHEM \*

DATE: AUGUST 17, 1987

(VALUES IN PPM )	AG	AS	PB	SB	ZN	AU-PPB
L3S 5+00E	1.2	17	3	2	133	4
L3S 3+00W 20M	1.4	14	7	4	109	3
L3S 3+25W 20M	1.5	18	10	4	78	2
L3S 3+50W 20M	1.5	18	12	6	133	4
L3S 3+75W 20M	1.1	16	10	5	100	3
L3S 4+00W 20M	1.0	5	13	4	113	2
L3S 5+50W	1.6	2	3	7	166	8
L3S 5+75W	.4	1	6	1	35	4
L3S 6+00W 20M	1.3	6	13	7	122	3
L3S 6+25W	.9	14	6	5	122	2
L3S 6+50W	.6	8	13	4	129	5
L3S 6+75W	.8	4	9	6	164	3
L3S 7+00W 20M	1.3	18	16	4	153	6
L3S 7+25W	.9	28	9	6	168	10
L3S 7+50W 20M	.9	25	4	4	133	6
L3S 7+75W	1.2	6	7	8	174	4
L3S 8+00W	.9	15	6	1	96	3
L3S 8+25W	.9	4	5	1	111	2
L3S 8+50W	1.0	27	5	1	122	15
L3S 8+75W	.6	12	14	3	180	6
L3S 9+00W	.7	25	13	6	174	10
L3S 9+25W 20M	1.1	1	8	1	152	4
L3S 9+50W 20M	.7	14	9	1	170	3
L3S 9+75W 20M	.4	8	4	1	108	4
L5S 1+00E	1.3	21	12	3	131	3
L5S 1+25E 20M	1.6	26	18	4	139	2
L5S 1+50E	1.8	15	18	1	171	4
L5S 1+75E	1.9	8	5	6	150	3
L5S 2+00E 20M	1.2	13	8	3	121	2
L5S 2+25E	1.0	5	18	6	186	4
L5S 2+50E	.6	25	11	3	108	3
L5S 2+75E	1.0	21	8	5	167	3
L5S 3+00E	1.0	18	16	6	156	5
L5S 3+25E	1.4	23	15	6	149	4
L5S 3+50E	.7	15	16	6	139	3
L5S 3+75E	1.8	19	10	6	142	4
L5S 4+00E	1.7	21	17	6	147	3
L5S 4+25E	1.1	20	18	7	135	6
L5S 4+50E	1.3	36	6	6	151	8
L5S 4+75E	1.2	23	16	5	139	5
L5S 5+00E	1.1	20	5	5	123	3
L7S 0+00	1.9	21	13	6	114	7
L7S 0+25E 20M	3.4	1	24	5	129	4
L7S 0+50E	2.1	13	10	5	94	3
L7S 0+75E	3.3	18	22	7	133	3
L7S 1+00E	1.6	18	5	7	108	4
L7S 1+25E	1.1	24	14	5	125	3
L7S 1+50E 40M	.7	16	9	5	110	3
L7S 1+75E 20M	2.5	18	4	7	115	3
L7S 2+00E	2.1	18	10	5	113	4
L7S 2+25E 40M	.9	5	14	3	94	3
L7S 2+50E 40M	.4	19	6	2	104	5
L7S 2+75E	.5	7	9	5	124	4
L7S 3+00E	1.2	21	14	6	141	5
L7S 3+25E 20M	1.2	9	13	5	136	4
L7S 3+50E 40M	.7	15	11	6	149	2
L7S 3+75E	.9	9	13	6	140	3
L7S 4+00E	.9	27	17	5	129	2
L7S 4+25E 40M	.9	19	16	5	122	2
L7S 4+50E	.9	23	9	5	139	2

COMPANY: HOYLE RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO:

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

FILE NO: 7-962/P5+6

ATTENTION: C. SAMPSON

(604) 980-5814 OR (604) 988-4524

\* TYPE SOIL GEOCHEM \*

DATE: AUGUST 17, 1987

(VALUES IN PPM)	AS	AS	PB	SB	ZN	AU-PPB
L7S 4+75E 40M	.4	9	13	2	107	3
L7S 5+00E	1.0	29	14	6	153	4
L7S 5+25E	1.1	28	20	5	144	3
L7S 5+50E	1.0	22	7	6	160	2
L7S 5+75E 40M	.9	16	14	4	119	6
L7S 6+00E	1.1	9	16	7	127	4
L7S 0+25W 20M	3.3	37	19	5	127	3
L7S 0+50W 40M	2.1	4	26	3	108	4
L7S 0+75W	2.7	7	25	5	138	5
L7S 1+00W 40M	3.1	4	23	6	143	2
L7S 1+25W 20M	1.4	15	8	1	88	2
L7S 1+50W	2.4	52	23	5	138	3
L7S 1+75W	3.8	58	16	8	130	2
L7S 2+00W 40M	2.4	2	9	6	125	3
L9S 0+00 40M	1.3	18	3	7	145	4
L9S 0+25E 40M	.9	15	17	5	131	3
L9S 0+50E 40M	.9	9	7	4	101	2
L9S 0+75E 40M	.5	10	12	3	107	4
L9S 1+00E 40M	.9	11	9	3	114	3
L9S 0+25W	1.2	22	18	7	123	2
L9S 0+50W 40M	.6	21	12	5	117	2
L9S 0+75W 20M	1.4	16	17	6	121	3
L9S 1+00W 20M	.9	14	15	6	101	2
L11S 6+00W 20M	1.6	28	12	6	166	2
L11S 6+25W 20M	1.7	19	12	5	159	3
L11S 6+50W ROCK	1.6	5	5	6	139	2
L11S 6+75W ROCK	1.8	6	4	5	140	3
L11S 7+25W 40M	1.7	30	12	6	178	4
L11S 7+50W	.6	22	14	6	165	3
L11S 7+75W	1.0	26	4	3	161	2
L11S 8+00W	.6	27	11	2	158	2
L11S 8+25W	.6	7	14	7	178	4
L11S 8+75W	.7	16	14	4	124	3
L11S 9+25W	.7	3	13	3	119	4
L11S 9+75W	1.0	23	11	4	161	3
L11S 10+00W	.8	13	8	2	143	3
L11S 10+25W	.9	1	10	2	177	3
L11S 10+50W	.7	27	5	4	154	4
L11S 10+75W 40M	.9	22	14	12	139	3
L11S 12+50W 40M	.8	39	4	13	145	2
L11S 12+75W	1.0	7	10	9	128	3
L11S 13+00W 40M	.8	47	6	8	139	25
L11S 13+25W 40M	.8	33	4	11	184	2
L11S 13+50W 40M	1.6	50	18	8	207	2
L11S 13+75W	.9	33	4	10	187	3
L11S 14+00W 40M	.7	14	6	7	114	2
L13S 4+00W	2.2	34	21	6	181	3
L13S 4+25W 40M	1.7	32	24	6	177	4
L13S 4+50W 20M	2.9	20	8	6	219	4
L13S 4+75W 20M	2.5	30	10	6	228	9
L13S 5+00W 20M	2.4	34	21	6	244	4
L13S 5+25W 20M	2.0	27	25	5	175	3
L13S 5+50W 20M	1.4	31	5	6	179	4
L13S 5+75W 20M	1.5	22	4	4	147	4
L13S 6+00W	1.5	33	11	5	132	5
L13S 6+25W 40M	1.9	28	20	5	142	8
L13S 6+50W 40M	1.9	28	17	6	151	4
L13S 6+75W 40M	1.1	2	6	4	92	3
L13S 7+00W 40M	1.6	2	18	1	125	3
L13S 7+50W 40M	1.4	23	16	6	163	2

Handwritten notes and scribbles on the right margin, including a large '2' and other illegible marks.

COMPANY: HOYLE RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO:

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

FILE NO: 7-962/P7

ATTENTION: C. SAMPSON

(604)980-5814 OR (604)988-4524

\* TYPE SOIL GEOCHEM \*

DATE: AUGUST 17, 1987

(VALUES IN PPM )	AG	AS	PB	SB	ZN	AU-PPB
L13S 7+75W 40M	1.3	21	14	7	159	3
L13S 8+00W	.6	5	13	4	211	2
L13S 8+50W	.7	26	8	2	142	3
L13S 8+75W	1.1	24	11	4	209	4
L13S 9+00W	.4	8	7	1	43	3
L13S 9+25W	.8	28	16	14	178	2
L13S 9+50W	.8	31	7	6	125	4
L13S 9+75W	.7	2	8	6	108	3
L13S 10+00W	.8	15	6	16	191	2
L13S 10+25W 40M	.9	55	13	26	123	7
L13S 10+50W	.7	33	7	19	121	4
L13S 10+75W	.9	35	14	24	134	3
L13S 11+00W 40M	1.2	27	12	11	163	4
L13S 11+25W 20M	.7	41	7	22	89	3
L13S 11+50W 40M	.8	94	10	58	122	2
L13S 11+75W 40M	.8	70	4	34	135	8
L13S 12+00W 40M	1.0	79	10	48	158	4
L13S 12+25W	1.1	79	16	33	174	3
L13S 12+50W	1.1	125	13	56	186	36
L13S 12+75W 40M	1.0	128	5	55	145	29
L13S 13+00W	1.1	351	14	72	153	44
L13S 13+25W	1.1	216	3	67	166	28
L13S 13+50W	1.0	192	9	91	174	10
L13S 13+75W	.8	62	6	2247	126	8
L13S 14+00W	.9	21	4	38	97	11

COMPANY: HOYLE RESOURCES

MIN-EN LABS ICP REPORT

(ACT:F31) PAGE 1 OF 1

PROJECT NO: LJ

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

FILE NO: 7-10815/P1+2

ATTENTION: CHRIS SAMPSON

(604)980-5814 OR (604)988-4524

\* TYPE SOIL BEDCHEM \*

DATE: AUGUST 25, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
6250 025	.8	101	118	20	38	145	4
6250 050 20M	1.1	42	97	15	6	173	3
6250 075 20M	1.6	31	112	10	3	221	6
6250 100	1.5	20	79	17	1	143	3
6250 125	1.8	37	111	23	1	152	4
6250 150 20M	1.8	3	117	22	10	211	2
6250 175	1.4	35	92	22	1	165	3
6250 200 20M	1.5	32	94	6	7	149	4
6250 225 20M	1.4	32	106	10	7	141	6
6250 250	N/S						
6250 275	N/S						
6250 300	.8	32	160	17	4	128	4
6250 325	.8	1	142	5	5	144	3
6250 350	1.2	26	88	5	1	118	2
6250 375	1.1	30	66	7	7	86	9
6250 400	1.4	22	88	8	8	233	22
6250 425 20M	1.5	10	127	21	5	274	3
6250 450	1.4	6	197	24	2	136	2
6250 475 20M	1.3	18	108	9	15	267	6
6250 500	1.1	20	123	10	13	182	7
6250 525	1.5	4	98	17	2	202	3
6250 550	1.0	1	79	9	2	164	4
6250 575	1.6	15	130	23	6	148	3
6250 600 20M	2.0	31	155	15	7	150	2
6500 000	.9	34	112	5	13	140	3
6500 025	1.1	5	142	22	21	179	2
6500 050 20M	1.8	50	174	24	3	148	9
6500 075	1.3	35	146	6	15	165	13
6500 100	1.5	40	272	3	3	137	4
6500 125	.8	4	55	12	12	93	3
6500 150 20M	1.8	38	169	36	26	209	4
6500 175	2.0	7	204	62	32	195	3
6500 200	1.4	20	168	24	8	156	11
6500 225	1.5	32	134	14	22	152	19
6500 250	1.0	25	65	14	9	107	9
6500 275	1.3	5	75	19	7	141	4
6500 300 20M	2.2	1	127	19	2	171	11
6500 325	1.3	31	113	4	4	208	4
6500 350 20M	2.1	1	124	24	2	206	3
6500 375	1.3	1	152	9	2	168	2
6500 400	1.2	23	140	22	21	269	11
6500 425	1.0	11	135	15	28	157	4
6500 450	1.3	52	236	48	79	168	26
6500 475 20M	.9	6	74	19	9	132	3
6500 500	1.3	9	84	6	2	140	12
6500 525	1.1	10	114	15	5	122	18
6500 550	.9	2	70	22	1	122	4
6500 575	1.1	8	93	16	4	116	11
6500 600	1.2	11	100	12	4	133	3
6500 625	1.3	9	83	15	3	164	4
6500 650 20M	1.4	1	74	10	1	181	3
6500 675	1.4	12	94	16	5	208	3
6500 700	1.1	40	117	13	2	148	4
6500 725 20M	1.6	3	75	16	2	122	9
6500 750	1.4	47	108	11	9	221	4
6500 775	1.5	34	121	25	10	220	3
6500 800 20M	2.4	32	169	14	11	168	2
6500 825	1.3	20	138	7	10	118	4

1987 SOIL SAMPLING ALONG  
CONTOUR LINES.

COMPANY: HOYLE RESOURCES

PROJECT NO: LJ

ATTENTION: CHRIS SAMPSON

MIN-EN LABS ICP REPORT

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

(604)980-5814 OR (604)988-4524

(ACT:F31) PAGE 1 OF 1

FILE NO: 7-10819/P3

\* TYPE SOIL GEOCHEM \* DATE: AUGUST 26, 1987

(VALUES IN PPM)	AS	AS	CU	PR	SB	ZN	AD-PPB
6750 000	1.0	32	99	6	2	150	11
6750 025	.9	9	88	14	5	173	24
6750 050	1.2	20	89	12	3	175	5
6750 075 20M	1.4	7	56	4	2	109	8
6750 100	1.5	13	102	17	1	125	4
6750 125	1.5	2	93	20	3	137	3
6750 150 20M	1.5	39	111	20	1	129	2
6750 175	1.1	1	85	9	1	173	4
6750 200	1.1	4	134	25	1	141	6
6750 225 20M	1.9	47	219	22	11	182	4
6750 250 20M	1.4	24	120	20	3	162	3
6750 325	1.1	25	223	16	4	143	2
6750 350	1.0	18	133	3	12	140	8
6750 375 20M	1.0	19	127	8	8	144	3
6750 400	1.1	14	114	14	12	180	3

**APPENDIX B**

**Geochemical Analyses and  
Assays from Rock Samples**

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

LW Property

PHONE: (604)980-5814 OR (604)988-4524

TELEX: VIA USA 7601067 UC

Certificate of Assay

Company: HOYLE RESOURCES  
Project:  
Attention: E. KING/C. SAMPSON

File: 7-1101/P1  
Date: AUGUST 24/87  
Type: ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON	AS %	SB %
17920	0.2	0.01	0.01	0.001	.01	.01
17921	0.5	0.01	0.47	0.014	3.62	.02
17922	18.0	0.53	8.85	0.258	21.50	.10
17923	2.1	0.06	3.30	0.096	9.95	.05
17924	0.2	0.01	0.04	0.001	.32	.01
17925	0.2	0.01	0.30	0.009	.18	7.60

INITIAL GRAB SAMPLES FROM FLOAT SOUTH WEST CORNER  
OF GRID - ZONES 1 AND 2  
[SEE FIGURE 5 FOR LOCATION]

Certified by

MIN-EN LABORATORIES LTD.



**MIN-EN LABORATORIES LTD.**

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: HOYLE RESOURCES  
Project:  
Attention: E. KING/C. SAMPSON

File: 7-1356/P1  
Date: SEPT 18/87  
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AS %	AU G/TONNE	AU OZ/TON	SB %
1033	145.0	4.23	15.80	5.75	0.168	.39

GRAB SAMPLE: ZONE 1.

Certified by



MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 DR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

Company: HOYLE RESOURCES  
Project:  
Attention: E. KING/C. SAMPSON

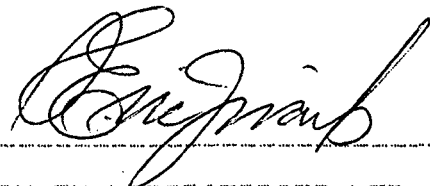
File: 7-1448/P1  
Date: SEPT 25/87  
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AS %	AU G/TONNE	ALI OZ/TON	SR %
1034	2.7	0.08	4.67	4.00	0.117	15.00
1035	2.3	0.07	2.70	3.40	0.099	25.30
1036	2.2	0.06	1.28	6.20	0.181	2.64
1037	2.6	0.08	5.73	8.80	0.257	6.70

GRAB SAMPLES : ZONES 1 AND 2.

Certified by



MIN-EN LABORATORIES LTD.

**MIN-EN LABORATORIES LTD.**

*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604)980-5814 OR (604)988-4524

TELEX: VIA USA 7601067 UC

**Certificate of GEOCHEM**

Company: HOYLE RESOURCES  
 Project: LJ  
 Attention: E. KING/C. SAMPSON

File: 7-1425/P2  
 Date: OCT 1/87  
 Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AU-FIRE PPB	SB PPM	
93 151	0.9	8	500	} CHIP SAMPLES FROM ROAD CUT R5
93 152	0.6	37	270	
93 153	0.7	41	42	
93 154	2.3	41	1	
93 155	1.3	46	27	
				— GRAB SAMPLE - ROAD CUT R6
				— GRAB SAMPLE - ROAD CUT R7
93 156	1.1	40	1	} GRAB SAMPLES - ROAD CUT R8
93 157	1.4	62	9	
93 158	2.2	50	2	
93 159	1.7	85	2	
93 160	1.8	21	1	
				} CHIP SAMPLES - ROAD CUT R9
93 161	1.1	24	1	} GRAB SAMPLES - ROAD CUT R10
93 162	2.0	18	2	
93 163	1.3	18	7	
93 164	1.6	19	2	
93 165	1.7	20	3	
93 166	1.3	21	2	} GRAB SAMPLES - ROAD CUT R11
93 167	1.3	13	1	
93 168	1.2	58	11	
93 169	1.4	69	3	
93 170	1.2	63	13	
93 171	2.1	38	8	} CHIP SAMPLES - ROAD CUT R11
93 172	2.5	93	5	
93 173	1.6	77	8	
93 174	1.7	46	9	
93 175	1.5	70	2	
93 176	2.2	43	2	} GRAB SAMPLES - ROAD CUT R11
93 177	0.5	27	13	
93 178	1.6	50	17	
93 179	1.1	54	20	
93 180	0.8	25	3	

Certified by \_\_\_\_\_



MIN-EN LABORATORIES LTD.

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*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 DR (604) 988-4524

TELEX: VIA USA 7601067 UC

**Certificate of GEOCHEM**

Company: HOYLE RESOURCES  
 Project: LJ  
 Attention: E. KING/C. SAMPSON

File: 7-1425/P3  
 Date: OCT 1/87  
 Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

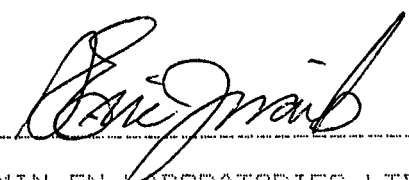
Sample Number	AG PPM	AU-FIRE PPB	SB PPM	
93 181	0.6	36	1	}
93 182	0.8	43	1	
93 183	0.5	12	5	
93 184	0.7	22	7	
93 185	0.7	26	1	
<hr/>				
93 186	1.1	35	3	}
93 187	1.0	29	1	
93 188	0.6	61	2	
93 189	0.8	34	24	
93 190	0.6	20	19	
<hr/>				
93 191	0.8	16	24	}
93 192	1.2	68	37	
93 193	0.7	94	37	
93 194	1.3	57	75	
93 195	0.9	109	58	
<hr/>				
93 196	1.6	380	88	}
93 197	1.2	57	44	
93 210	1.1	49	17	
93 211	1.1	46	22	
93 212	0.9	78	29	
<hr/>				
93 213	0.8	43	13	}
93 214	1.2	72	20	
93 215	0.9	42	23	
93 216	0.8	47	6	
93 217	0.8	30	1	
<hr/>				
93 218	0.8	14	6	}
93 219	0.7	14	9	
93 220	0.9	19	1	
93 221	0.8	15	3	
93 222	1.0	9	1	

CHIP SAMPLES - ROAD CUT R11

CHIP SAMPLES - TRENCH T11

CHIP SAMPLES - ROAD CUT R1.

Certified by



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*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604)980-5814 OR (604)988-4524

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM

Company: HOYLE RESOURCES  
 Project: LJ  
 Attention: E. KING/C. SAMPSON

File: 7-1425/P4  
 Date: OCT 1/87  
 Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AU-FIRE PPB	SB PPM	
93 223	1.2	21	1	} CHIP SAMPLES - ROAD CUT R1
93 224	1.1	15	1	
93 225	0.9	13	1	
93 226	1.2	14	1	
93 227	1.2	22	1	
93 228	1.3	18	1	} CHIP SAMPLES - TRENCH T10
93 229	0.7	21	1	
93 230	0.4	27	1	
93 231	1.1	1000	107	
93 232	3.5	1800	278	
93 233	51.0	6000	1120	} GRAB SAMPLE - TRENCH T9 GRAB SAMPLE - TRENCH T8
93 234	2.6	1500	98	
93 235	5.7	900	219	
93 236	0.6	38	58	
93 237	0.6	22	8	
93 238	1.2	34	2	} CHIP SAMPLES - TRENCH T7
93 239	1.1	39	28	
93 240	1.3	25	2	
93 241	0.9	24	32	
93 242	0.2	185	375	
93 243	0.4	31	2	} CHIP SAMPLES - ROAD CUT R5
93 244	0.5	20	1	
93 245	0.3	24	1	
93 246	0.4	27	1	
93 247	0.6	22	2	
93 248	0.4	25	2	} CHIP SAMPLES - ROAD CUT R2
93 249	0.3	16	2	
93 250	0.5	56	2	
93 351	0.5	8	1	
93 352	0.6	18	1	

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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of GEOCHEM

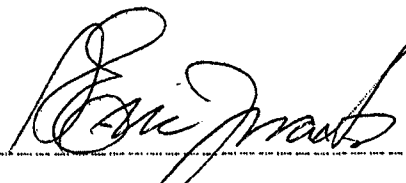
Company: HOYLE RESOURCES  
 Project: LJ  
 Attention: E. KING/C. SAMPSON

File: 7-1425/P5  
 Date: OCT 1/87  
 Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AS FPM	AU-FIRE PPB	SB PPM	
93 353	0.7	11	2	} CHIP SAMPLES - ROAD CUT R2
93 354	0.5	6	2	
93 355	0.7	8	3	
93 356	0.6	22	2	
93 357	0.6	7	17	
} GRAB SAMPLE - ROAD CUT R3				
93 358	0.7	12	15	} CHIP SAMPLES - ROAD CUT R4
93 359	0.8	16	10	
93 360	1.1	34	11	
93 361	0.9	38	17	
93 362	0.9	50	2	
93 363	0.5	65	20	}
93 364	0.8	56	9	
93 365	0.6	68	10	
93 366	0.6	124	5	
93 367	0.8	41	6	
93 368	0.7	12	11	}
93 369	0.4	29	2	
93 370	0.7	225	11	
93 371	0.6	119	14	
93 372	0.6	35	8	
93 373	0.8	97	14	} CHIP SAMPLES - ROAD CUT R5
93 374	0.7	198	5	
93 375	1.0	183	9	
93 376	0.5	12	6	
93 377	0.6	52	13	
93 378	0.6	13	11	}
93 379	0.8	32	10	
93 380	0.6	14	9	
93 381	0.7	11	5	
93 382	0.6	21	6	

Certified by



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*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 DR (604) 988-4524

TELEX: VIA USA 7601067 UC

**Certificate of GEOCHEM**

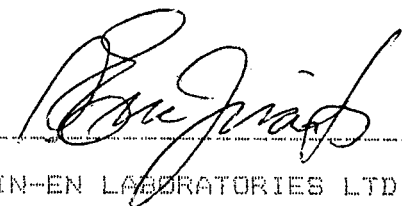
Company: HOYLE RESOURCES  
 Project: LJ  
 Attention: E. KING/C. SAMPSON

File: 7-1425/P6  
 Date: OCT 1/87  
 Type: ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AG PPM	AU-FIRE PPB	SB PPM	
93 383	0.7	34	1	}
93 384	1.1	630	1	
93 385	0.6	16	2	
93 386	1.0	12	7	
93 387	0.6	24	1	
93 388	0.5	27	2	} CHIP SAMPLES - ROAD CUT R5
93 389	0.6	13	2	
93 390	0.6	23	2	
93 391	0.5	8	2	
93 392	0.5	8	1	
93 393	0.6	35	2	}
93 394	0.9	11	1	
93 395	1.0	17	1	
93 396	0.9	24	1	
93 397	0.7	36	1	
93 398	0.8	28	1	} CHIP SAMPLES - ROAD CUT R5
93 399	1.2	23	2	
93 400	0.5	13	3	

Certified by \_\_\_\_\_



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*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604)980-5814 DR (604)988-4524

TELEX: VIA USA 7601067 UC

**Certificate of ASSAY**

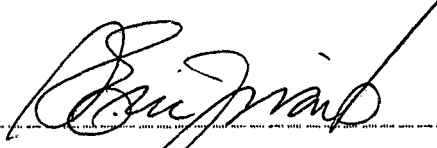
Company: SAMPSON ENGINEERING/HOYLE RESOURCES  
 Project: L3  
 Attention: CHRIS SAMPSON

File: 7-1619/P1  
 Date: OCT 15/87  
 Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON	SB %	
93 967	1.8	0.05	.04	0.001	.01	GRAB SAMPLE ROAD CUT R12
93 968	0.4	0.01	.03	0.001	.02	
93 969	0.3	0.01	.03	0.001	.01	} TRENCH ZONE 2 CHIP SAMPLES ACROSS ZONE AT 1M SPACING.
93 970	2.7	0.08	.43	0.013	.01	
93 971	2.4	0.07	1.19	0.035	.03	
93 972	45.3	1.32	1.94	0.057	.04	
93 973	7.9	0.23	2.74	0.080	.02	
93 974	37.0	1.08	1.28	0.037	.03	} CHIP SAMPLE TRENCH T3
93 975	12.1	0.35	.80	0.023	.01	
93 976	3.8	0.11	1.60	0.047	.01	
93 977	6.5	0.19	3.12	0.091	.03	
93 978	3.9	0.11	1.85	0.054	.01	
93 979	26.4	0.77	4.50	0.131	.15	} CHIP SAMPLES TRENCH T4
93 980	18.3	0.53	1.83	0.053	.04	
93 981	7.6	0.22	2.31	0.067	.09	
93 982	0.7	0.02	.07	0.002	.01	} GRAB TRENCH T5
93 983	1.4	0.04	.16	0.005	.01	
93 984	0.9	0.03	.06	0.002	.01	} GRAB TRENCH T2
93 985	0.5	0.01	.03	0.001	.01	
93 986	1.6	0.05	.05	0.001	.02	} GRAB TRENCH T3
93 987	0.3	0.01	.02	0.001	.01	
93 988	0.4	0.01	.01	0.001	.01	} CHIP SAMPLE TRENCH T1
93 989	0.6	0.02	.12	0.004	.01	
93 990	1.3	0.04	.01	0.001	.01	

Certified by

  
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Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC

Certificate of ASSAY

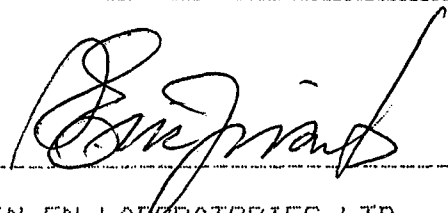
Company: HOYLE RESOURCES  
 Project: LJ  
 Attention: C. J. SAMPSON

File: 7-1425/P1  
 Date: SEPT 25/87  
 Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	WIDTH (CMS)	AG PPM	SB FPM	AU G/TONNE	AU OZ/TON	
93 198	AVERAGE 10-20 cms	1.2	800	2.18	0.064	
93 199		2.1	42000	7.51	0.219	
93 200		1.2	980	8.18	0.239	
93 951		1.0	700	2.43	0.071	
93 952		1.8	380	2.05	0.060	
93 953	AVERAGE 15-25 cms	0.9	340	1.00	0.029	ZONE 1 CHIP SAMPLES ACROSS ZONE
93 954		0.4	3400	4.00	0.117	
93 955		1.0	3380	3.07	0.090	
93 956		0.8	52000	8.40	0.245	
93 957		0.6	50000	3.34	0.097	
93 958	AVERAGE 17-30 cms	0.7	49000	4.19	0.122	AT 1M SPACING
93 959		0.9	31000	4.25	0.124	
93 960	AVERAGE 25 cms UP TO 50 cms.	1.0	460	.19	0.006	
93 961		0.9	330	1.37	0.040	
93 962		1.2	290	.65	0.019	
93 964	5-7 cms	2.0	1000	18.80	0.548	
93 965		0.8	52000	2.61	0.076	
93 966		0.8	50000	1.90	0.055	

Certified by



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**MIN-EN LABORATORIES LTD.**

*Specialists in Mineral Environments*

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: VIA USA 7601067 UC


**Certificate of ASSAY**

Company: HOYLE RESOURCES  
 Project: L.J.  
 Attention: CHRIS SAMPSON

File: 7-1774/P1  
 Date: OCT 30/87  
 Type: ROCK ASSAY

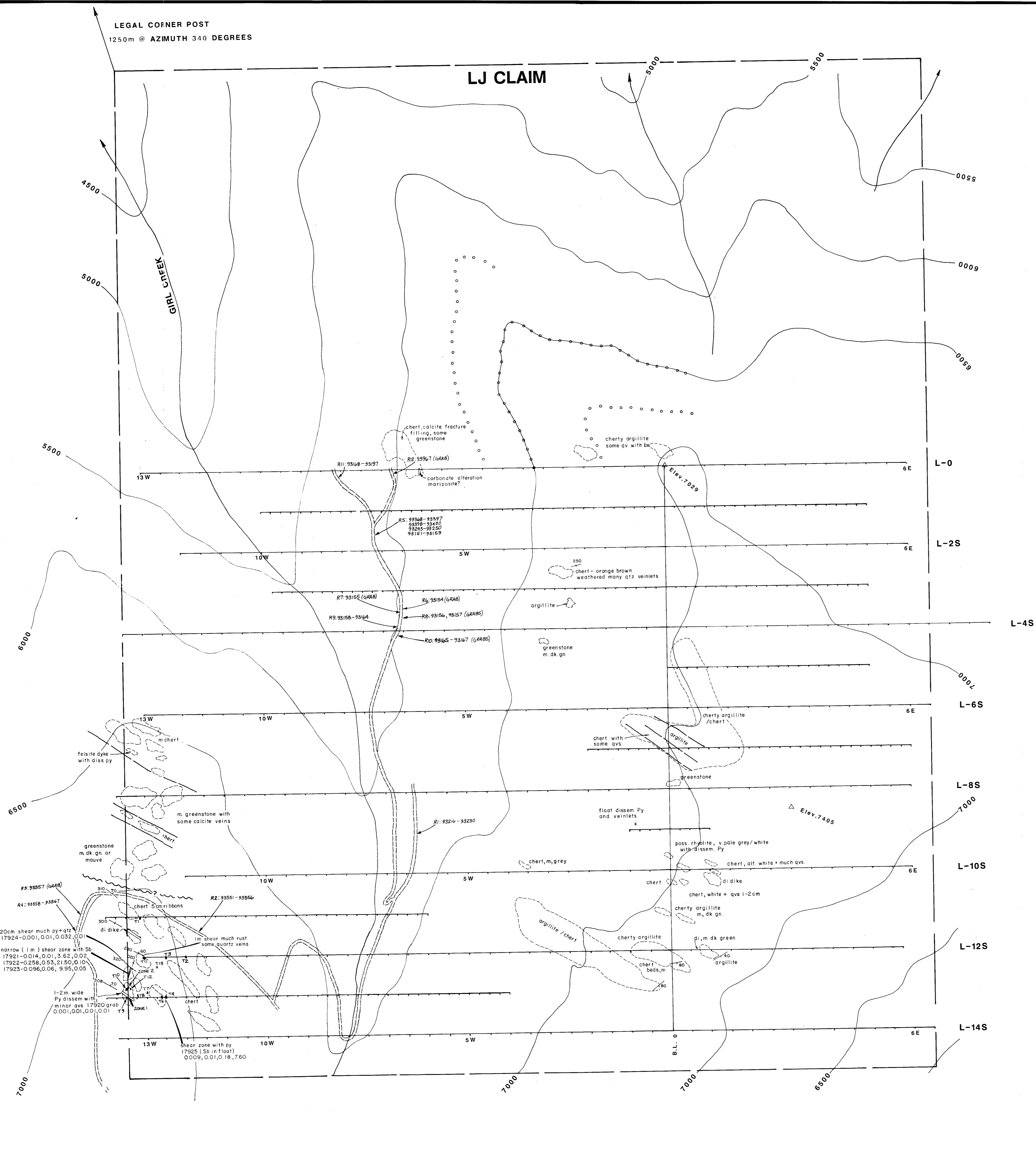
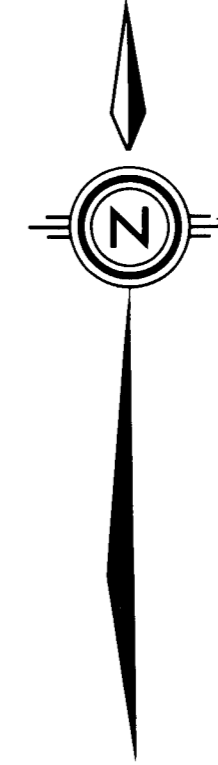
We hereby certify the following results for samples submitted.

Sample Number	WIDTH	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON	SB %	
93991		0.6	0.02	1.99	0.058	.03	} RE-SAMPLING ZONE 2 CHIP SAMPLES AT 1M INTERVALS
93992	AVERAGES	1.8	0.05	.67	0.020	.01	
93993		1.2	0.04	.26	0.008	.01	
93994	12-15 cms	7.0	0.20	.80	0.023	.02	
93995	but up to	42.0	1.23	1.19	0.035	.02	
93996	40 cms in	2.5	0.07	.91	0.027	.01	
93997	places,	.5	0.01	1.24	0.036	.01	
93998		4.1	0.12	3.41	0.099	.06	
93999		2.2	0.06	1.07	0.031	.01	
94000		52.0	1.52	5.32	0.155	.12	
94001		40.0	1.17	7.25	0.211	.11	
94002		24.0	0.70	4.41	0.129	.20	

Certified by:   
 MIN-EN LABORATORIES LTD.

LEGAL CORNER POST  
1250m @ AZIMUTH 340 DEGREES

**LJ CLAIM**



**LEGEND:**

ABBREVIATIONS:

- bx BRECCIA
- m MASSIVE
- py PYRITE
- dk DARK
- gn GREEN
- di DIORITE
- Sb STIBNITE

ASSAYS:

Au	Ag	As	Sb
oz/t	oz/t	%	%

T1 - TRENCH AND NUMBER

R: 93216 - ROCK SAMPLE TAKEN FROM ROAD CUT (WITH SAMPLE NUMBER)

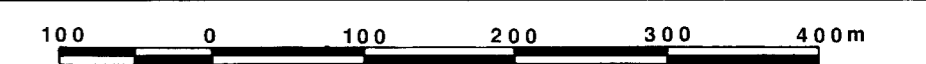
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,637**

**HOYLE RESOURCES INC.**

**LJ CLAIM GROUP  
GOLDBRIDGE AREA, LILLOOET M.D.-B.C.**

**PROPERTY GEOLOGY MAP**

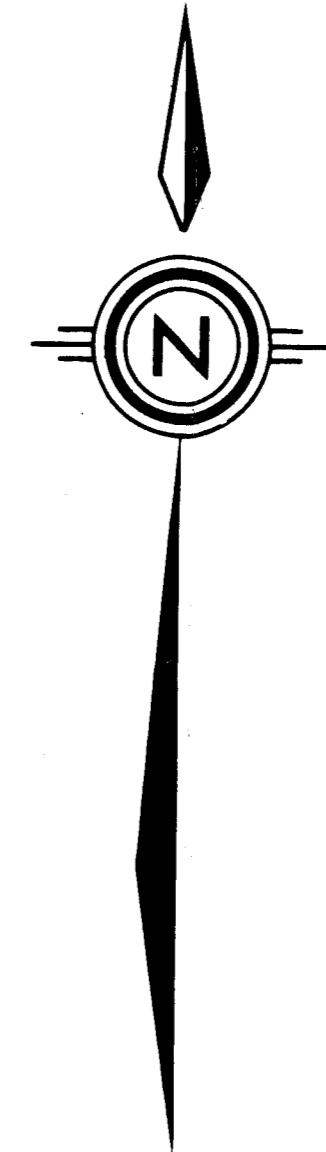
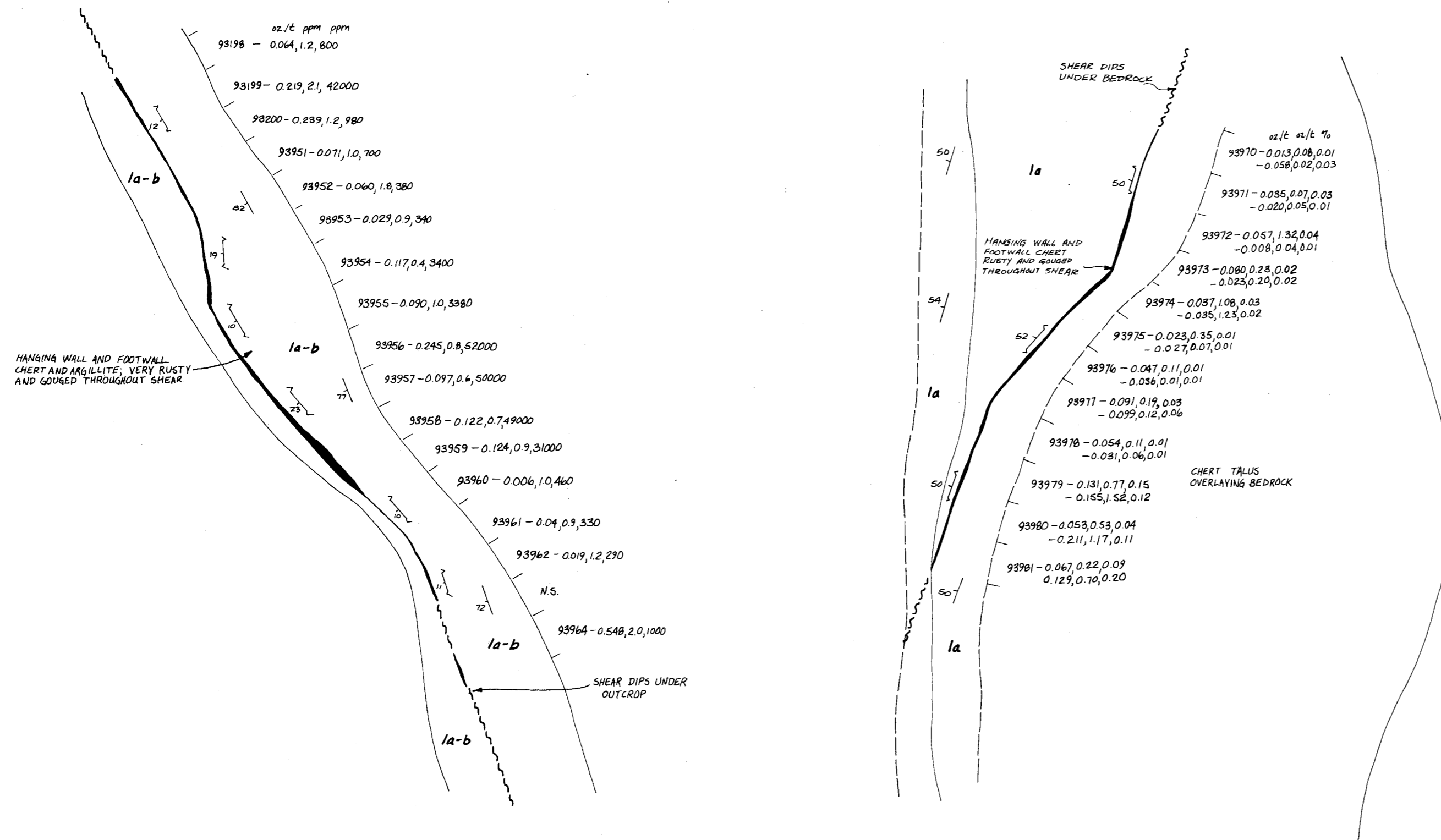


DATE: SEPT. 1987 NTS:92-J-15/E

BY: C.J.S./r.w.r. SCALE 1:5,000 FIGURE: 5

ZONE #1

ZONE #2



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,637

LEGEND:

MIDDLE TRIASSIC BRIDGE RIVER GROUP

- 1a CHERT
- 1b ARGILLITE

MINERALIZED SHEAR  
(MASSIVE STIBNITE,  
3-5% asp, =sph)

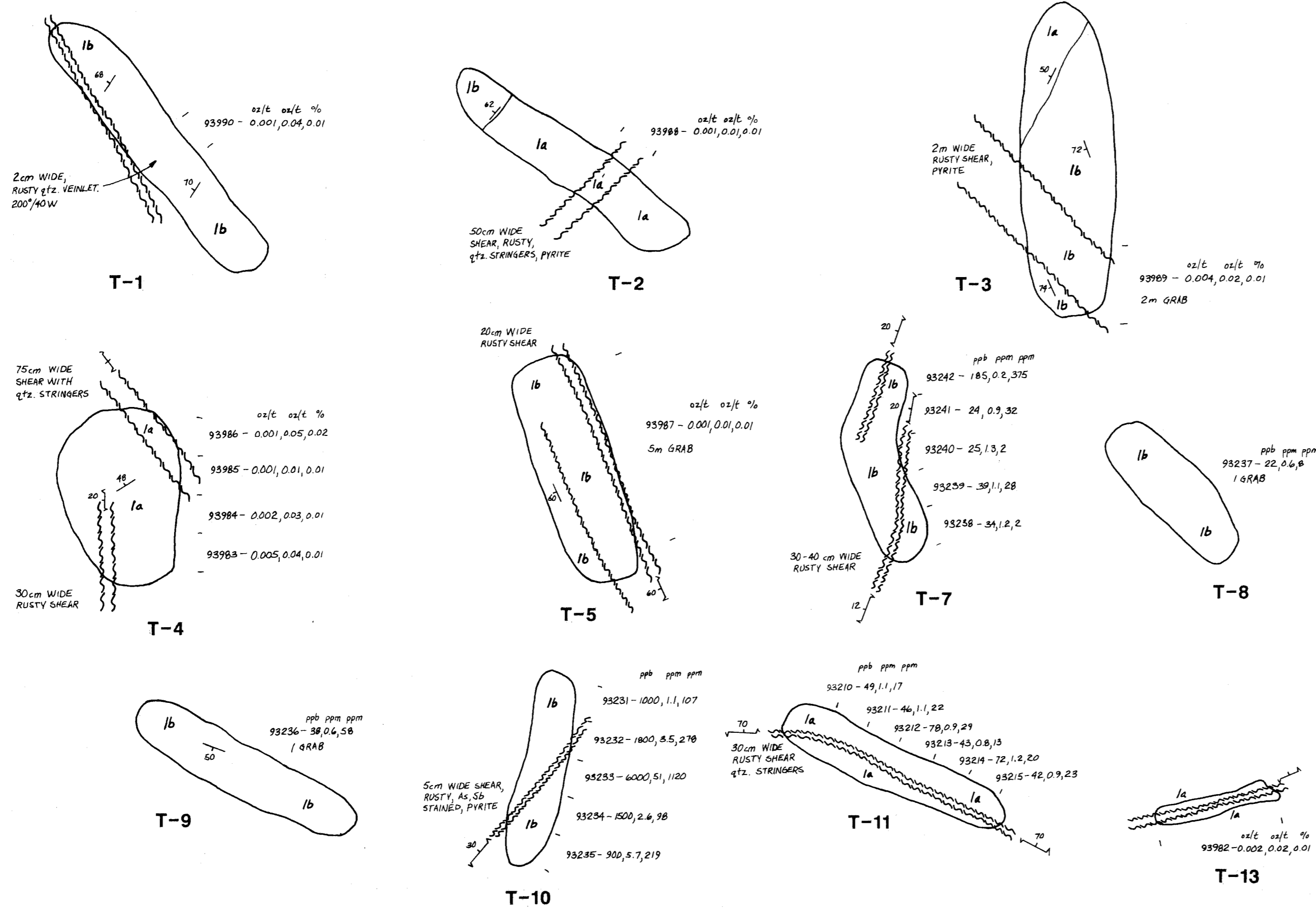
SHEARING

ORIENTATION OF SHEAR

STRIKE, DIP

CONTACT

93956 - 0.045, 0.8, 52200 SAMPLE NUMBER, 1 METRE GRAB  
Au, Ag, Sb



HOYLE RESOURCES INC.

LJ CLAIM  
GOLDBRIDGE AREA, LILLOOET MINING DIVISION, B.C.

TRENCH MAPS SHOWING  
SAMPLE LOCATIONS

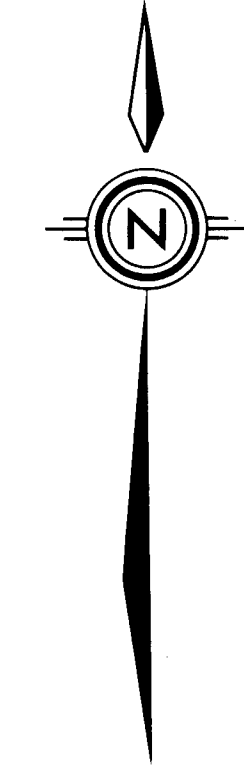
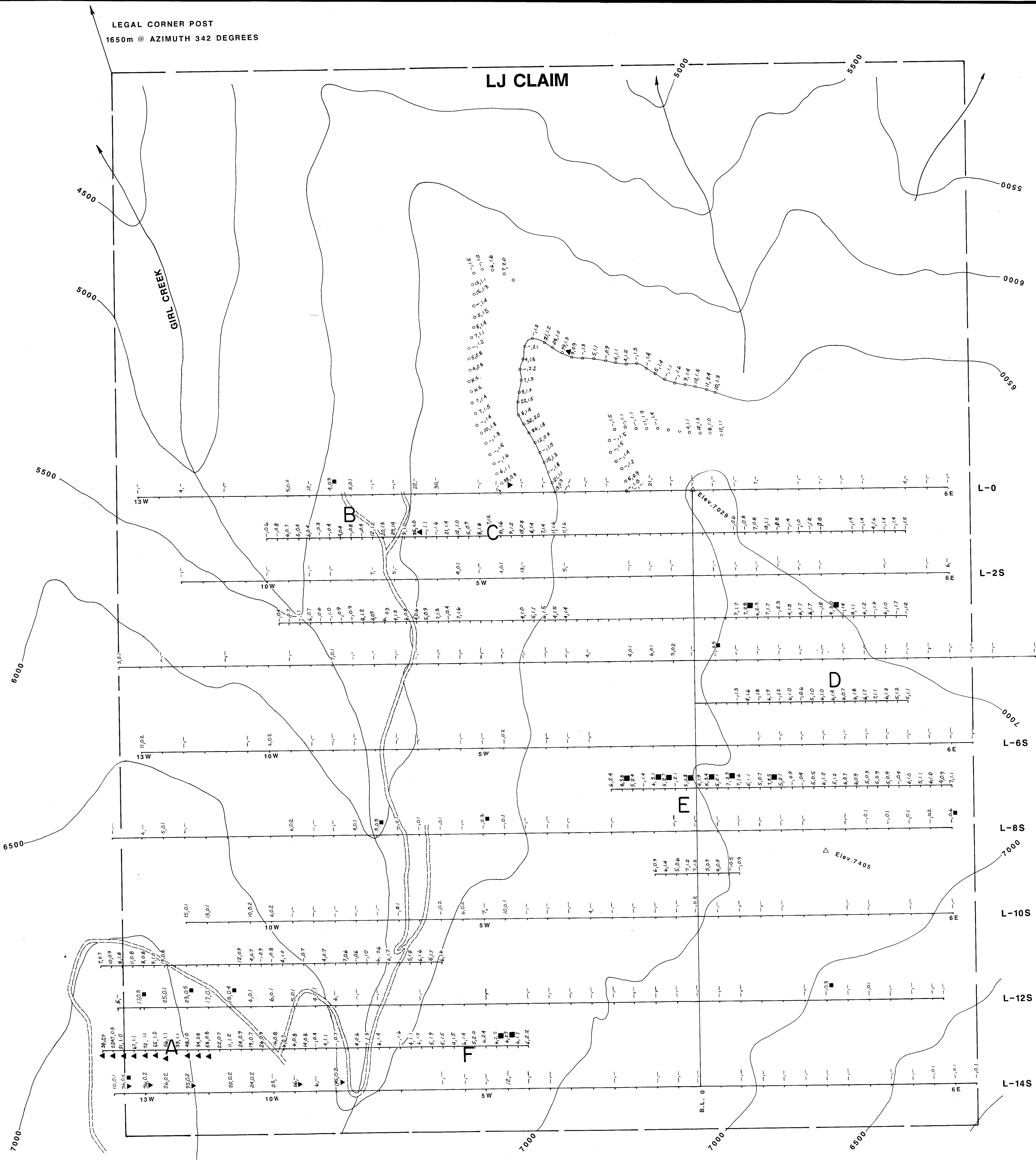
0 1 2 3 4 5 10  
SCALE 1:100 metres

DATE: OCTOBER, 1987  
BY: C.J. SAMPSON/rwr





FIGURE: 9

LEGAL CORNER POST  
1650m @ AZIMUTH 342 DEGREES

LJ CLAIM




**LEGEND :**

-  ANOMALOUS ANTIMONY VALUE > 33.2 P.P.M.  
A DASH INDICATES < 4 P.P.M.
-  ANOMALOUS SILVER VALUE > 0.3 P.P.M.  
A DASH INDICATES < 0.1 P.P.M.
-  ANTIMONY 1987 ANOMALOUS VALUE 34 ppm
-  SILVER 1987 ANOMALOUS VALUE 2.41 ppm
- SAMPLES ALONG CONTOUR LINES & SAMPLES ALONG ODD-NUMBERED LINES WERE TAKEN IN AUG. 1987

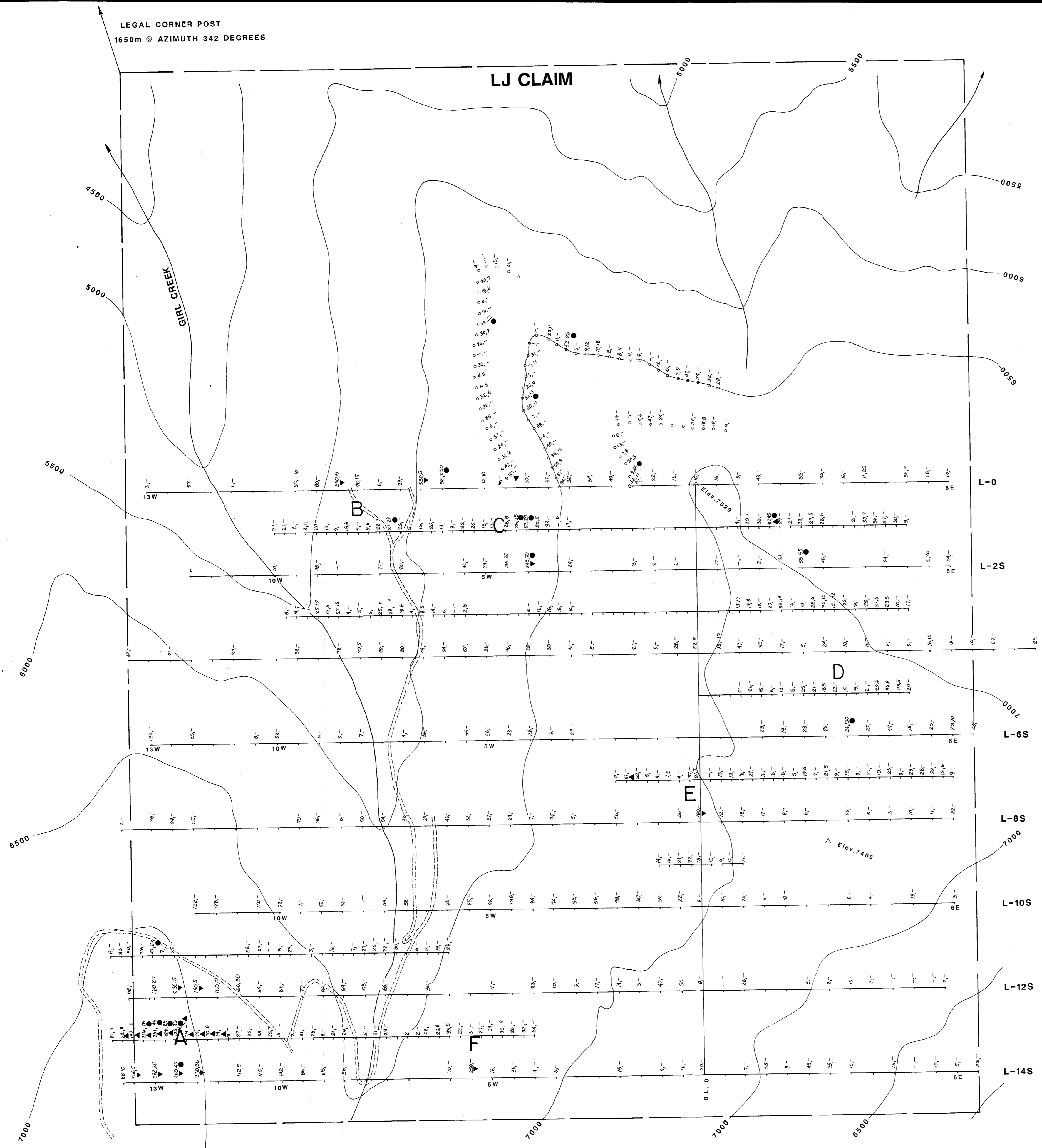
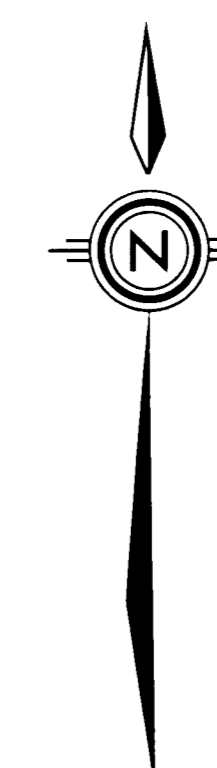
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,637**

<b>HOYLE RESOURCES INC.</b>	
<b>LJ CLAIM GROUP</b>	
GOLDBRIDGE AREA, LILLOOET M.D.-B.C.	
<b>SOIL GEOCHEMISTRY</b>	
<b>Sb-Ag RESULTS</b>	
	
DATE: SEPT. 1987	NTS: 92-J-15/E
BY: C.J.S./r.w.r.	SCALE 1:5,000
FIGURE: 7	

LEGAL CORNER POST  
1650m @ AZIMUTH 342 DEGREES

LJ CLAIM



**LEGEND :**

- ANOMALOUS ARSENIC VALUE >164.3 P.P.M.  
A DASH INDICATES < 2 P.P.M.
- ANOMALOUS GOLD VALUE >39.4 P.P.B.  
A DASH INDICATES < 5 P.P.B.
- ARSENIC 1987 ANOMALOUS VALUE 58 ppm
- GOLD 1987 ANOMALOUS VALUE 18.5 ppb

SAMPLES ALONG CONTOUR LINES & SAMPLES ALONG ODD-NUMBERED LINES WERE TAKEN IN AUG. 1987

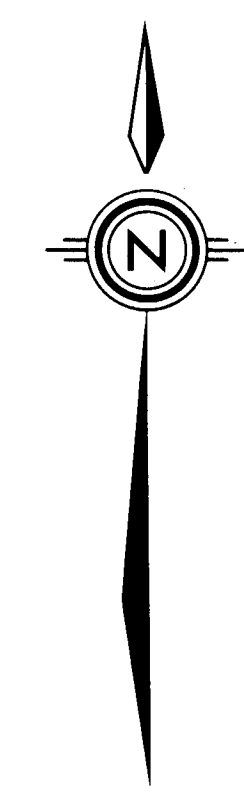
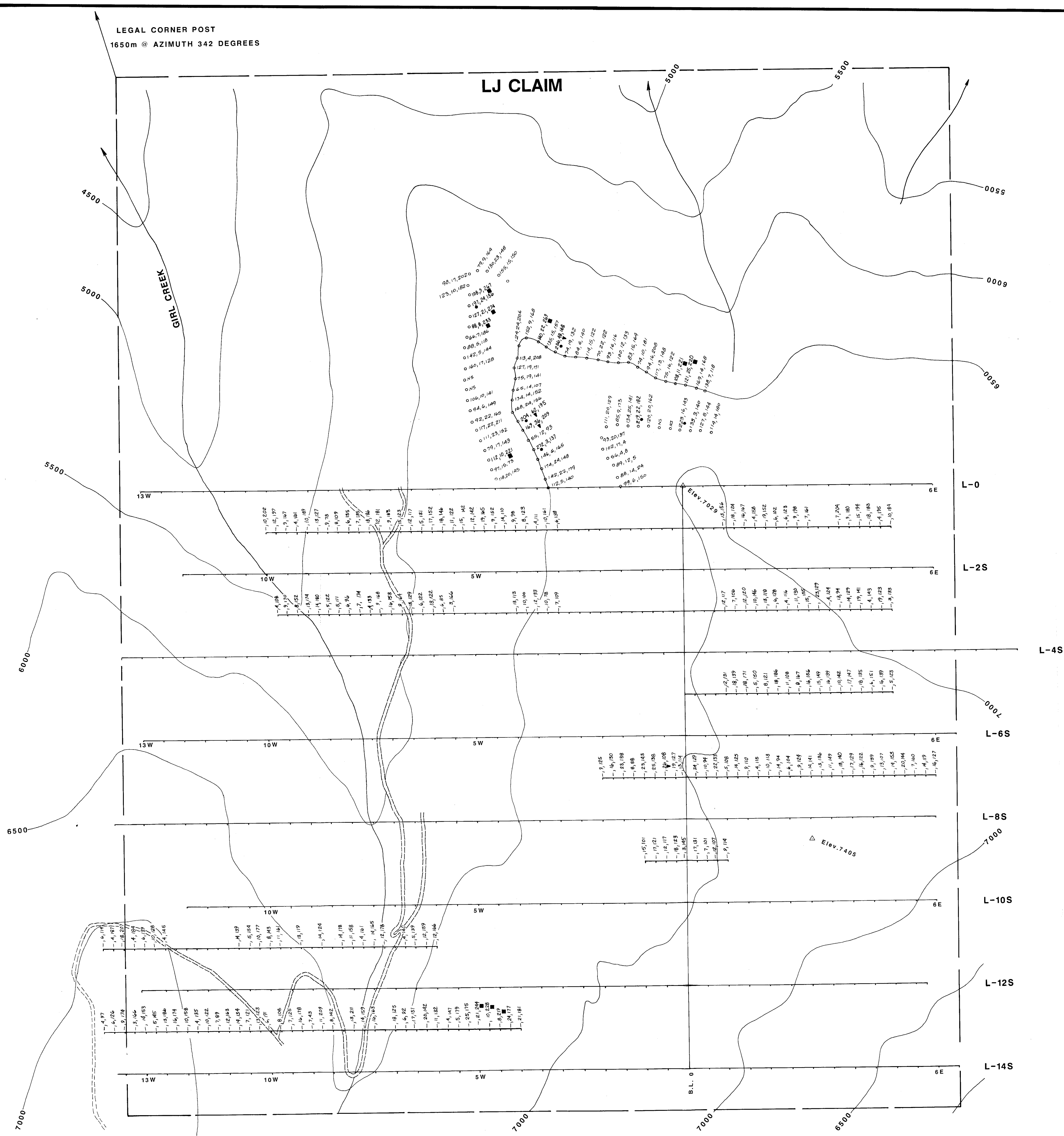
**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,637**

<b>HOYLE RESOURCES INC.</b>	
<b>LJ CLAIM GROUP</b>	
GOLDBRIDGE AREA , LILLOOET M.D.-B.C.	
<b>SOIL GEOCHEMISTRY</b>	
<b>Au-As RESULTS</b>	
DATE: SEPT. 1987	NTS:92-J-15/E
BY: C.J.S./r.w.r.	SCALE 1:5,000
FIGURE: 6	

LEGAL CORNER POST  
1650m @ AZIMUTH 342 DEGREES

### LJ CLAIM



### GEOLOGICAL BRANCH ASSESSMENT REPORT

# 16,637

#### LEGEND:

- 236,46,168 Cu, Pb, Zn RESULT
- COPPER 1987 ANOMALOUS VALUE 182 ppm
- ▼ LEAD 1987 ANOMALOUS VALUE 26 ppm
- ZINC 1987 ANOMALOUS VALUE 216 ppm

A DASH REPRESENTS ELEMENT NOT ASSAYED

SAMPLES ALONG CONTOUR LINES & SAMPLES ALONG  
ODD-NUMBERED LINES WERE TAKEN IN AUG. 1987

<b>HOYLE RESOURCES INC.</b>	
<b>LJ CLAIM GROUP</b>	
GOLDBRIDGE AREA, LILLOOET M.D.-B.C.	
<b>SOIL GEOCHEMISTRY</b>	
<b>Cu-Pb-Zn RESULTS</b>	
100 0 100 200 300 400m	
DATE: SEPT. 1987	NTS: 92-J-15/E
BY: C.J.S./r.w.r.	SCALE 1:5,000
FIGURE: 8	