

84-#120 - 12305  
3/85

Assessment Work Report  
on the  
Hat Creek BRX Group  
Goldbridge, B.C.  
92-J-15-W  
Long 122 50' Lat. 50 50'  
for  
Hat Creek Energy Corp.

work done by  
Levon Resources Ltd.  
1040 - 609 Granville St.  
Vancouver, B.C.

by  
P.S. Friesen P. Eng.  
March 2, 1984

RECORDED & INDEXED  
12,305

LEVON RESOURCES LTD.

B R X GROUP OF MINERAL CLAIMS

STATEMENT OF EXPENSES

MARCH 2, 1984

Equipment Rentals	1,918.23
Line Cutting & Survey 20.5 KM @ \$175.00 per KM	3,587.50
Engineering Fees	4,800.00
Field Expenses	<u>1,284.48</u>
Sub Total	11,590.21

Office Overhead @ 10%	<u>1,159.02</u>
Total Expenses To March 2, 1984	12,749.23
Less Amount Applied Jan. 11, 1984	-810.00
TOTAL	11,939.23

*B. B. ...*

LEVON RESOURCES LTD.

March 2, 1984

Gold Commissioner  
Dept. Of Energy And Mines  
Prov. Of British Columbia  
Victoria, B.C.

Dear Sirs;

Attached is the data on the assesment work done  
on the B R X group of mineral claims during January 1984.

The statement of costs is attached.

Yours truly

  
Peter Friesen P.Eng.

A report  
on the  
Electromagnetic and Magnetic Surveys  
carried out  
on the

BRX Group of Mineral Claims (MR 191025E)  
Long 122° 50' W Lat 50° 50' N  
Hat Creek Energy Corp.  
Lillooet Mining Division  
Goldbridge, B.C.  
92-J-15-W

done by

Levon Resources Limited  
1040 - 609 Granville St.,  
Vancouver, B.C.  
and

by  
P.S. Friesen P. Eng.  
Feb 1984



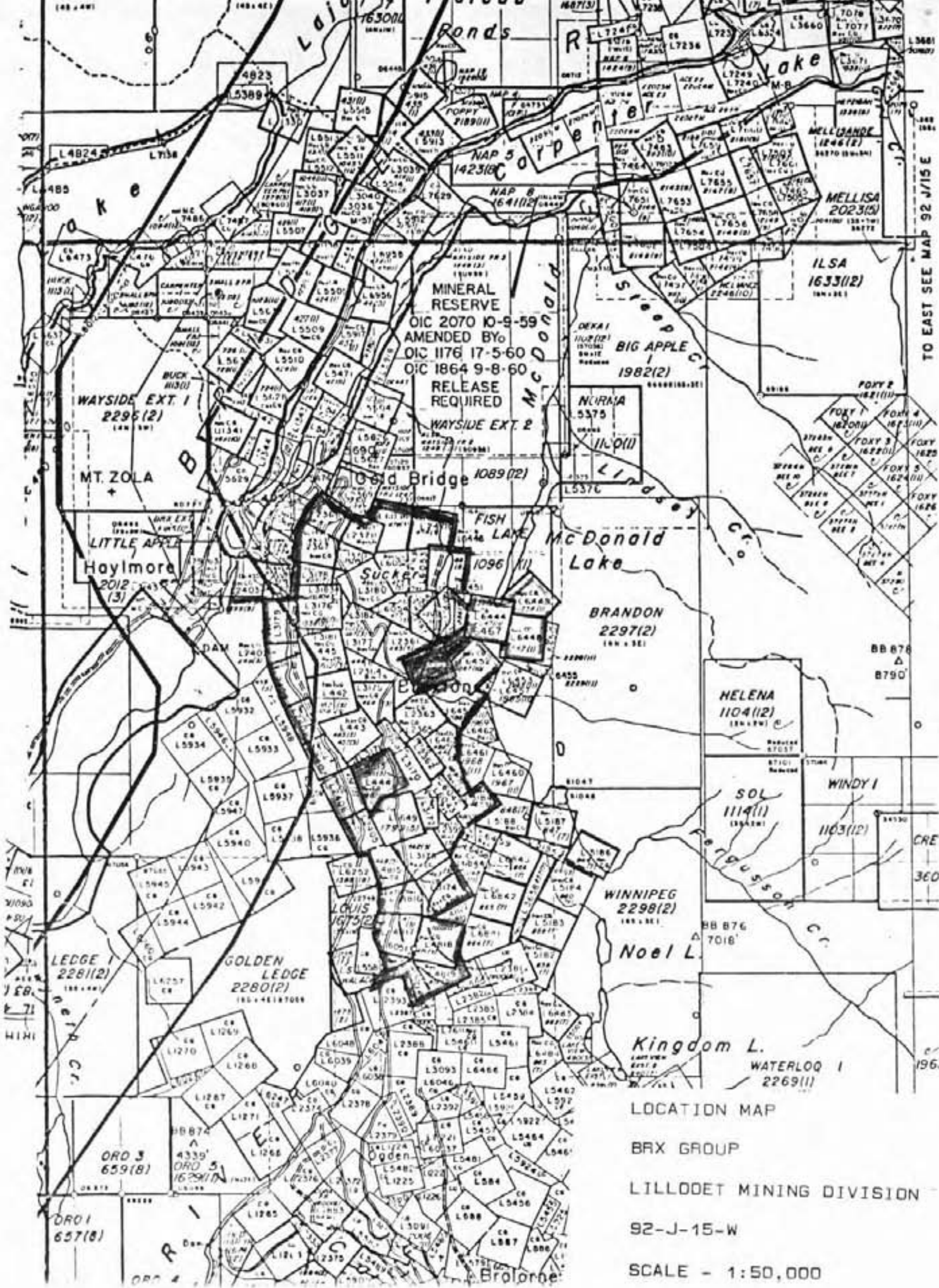
LOCATION MAP

BRX GROUP OF MINERAL CLAIMS

NTS 92 J 15 W

INDEX MAP

SCALE  
 Km 160 80 0 160



LOCATION MAP

BRX GROUP

LILLOOET MINING DIVISION

92-J-15-W

SCALE - 1:50,000

TO EAST SEE MAP 92 J/15 E

## TABLE OF CONTENTS

INTRODUCTION	page
General Statement	1
Property	1
Location and Means of Access	1
Ownership	2
Previous Work	2
Acknowledgements	2
References	2
GEOGRAPHY	3
GEOLOGY	
General Geology	4
GEOPHYSICS	
General Statement	5
Instruments	5
VLF Station	5
Operator	5
Period of Survey	6
Survey Control	6
Magnetometer Survey Results	6
Electromagnetic Survey Results	7
Conclusion	8
Recommendations	8
Estimation of Costs	9
Certificate of Qualifications	
Appendix	
- List of mineral claims comprising the property.	
In Pocket	
Map 1 of 4 - Property Map	
Map 2 of 4 - Electromagnetic survey	
Map 3 of 4 - Absolute value of magnetometer survey	
Map 4 of 4 - Isogamma contoured result of Magnetometer survey.	

A Report on the Electromagnetic and Magnetic Surveys  
carried out on the BRX Group of Mineral Claims.

Goldbridge, B.C.  
92-J-15-W

by  
P.S. Friesen P. Eng  
Feb 1984

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## INTRODUCTION

### General Statement

In order to meet assessment work requirements, an electromagnetic and magnetic survey were carried out where possible over the northern half of the BRX group of mineral claims. Some of the control lines were established in directions dictated by topography.

### Property

The property surveyed was the BRX group of 58 mineral claims [MR 191025E] which consists of 61 units. A list of the names and record numbers can be found in Appendix No. 1.

### Location and Means of Access

The BRX group is situated at the intersection of Longitude 122° 50' W and Latitude 50° 50' N in the Lillooet Mining Division at Goldbridge, B.C. in N.T.S. 92-J-15-W. The claims extend north from the town of Goldbridge and lie over and east of the Hurley River.

The highway connecting Bralorne and Goldbridge



passes through the claim group. Goldbridge lies partly in the north end of the claim group. It is connected by an all weather road with Lillooet which is about 110 kilometers to the east.

#### Ownership

The claims are owned by Hat Creek Energy Corp. which is in the process of reorganization.

#### Previous Work

The BRX group consist of claims which were held by a number of people and companies over the years. Extensive surface and underground exploration was carried out over areas known as the California, Arizona, Ural, Whynot No. 1, Forty Thieves, and others. A total of over 20,000 feet (6096 meters) of underground tunnelling has been carried out on various veins. No production was achieved.

#### Acknowledgements

This report is based upon personal knowledge of parts of the claim group and the area. Mr. Gary Polischuk carried out the geophysical surveys and also provided some of the old records for the claim group.

#### References

- 1972 - Tyaughton Lake Sheet No. 8552G  
Aeromagnetic Map.
- 1977 - Pemberton Sheet (92-J) Map Area - GSC Open  
File No. 482 - G.J. Woodsworth
- 1943 - GSC - Map 43 - 15A Tyaughton Lake C.E.  
Cairnes, C.H. Crickmay
- B.C. Government Monofiles.
- Company records.

GEOGRAPHY

The west part of the BRX group straddles the Hurley river which flows in an extremely deep canyon. To the east of the canyon is a bench which is difficult but not impossible to traverse.

The claim group extends eastward to MacDonald, Fish Lake, and Sucker Lake, and a lengthy portion of Fergusson Creek. Water for development is available but some of the water is also a source for the residents of Gold-bridge.

The area is covered by commercial timber, some of which is being actively logged at this time. Timber for a mining operation is available in this area.

GEOLOGY

General Geology

The BRX group lies north of the Bralorne Mine and the rock formations appear to be an extension of those at the Bralorne Mine. The Formational trend is the same but more detailed work is required to determine if the tectonic conditions extend to the BRX property. There are some promising indications that it does, but to date, no deposit of economic significance has been found.

GEOPHYSICS

*Diurnal corrections  
were not made.*

*E N data not filtered*

General Statement

In order to comply with Government Regulations, a geophysical program was designed to meet assessment work requirements. The survey was carried out in January of 1984 during periods with adverse weather and minimum hours of daylight. The direction of the lines, in part, were dictated by topography and accessibility for the time available.

Instruments

The magnetometer used was the Syntex Proton Precession MP-2 magnetometer with the serial No. of 8003549. It measures the total magnetic field intensity and has a range of 20 to 100,000 gammas with an accuracy of plus or minus one gamma.

The electromagnetic unit used was the Syntex 56 80 with the serial No. 101016. It is a VLF electromagnetic instrument. Only the tilt angle mode was used during the survey.

VLF Station

The Hawaiian VLF station NPM was used throughout the survey. Due to its strength, other stations could not be used.

Operator

Mr. Gary Polischuk of Lillooet, B.C. operated the VLF electromagnetometer throughout the survey.

### Period of Survey

The survey was carried out during January, 1984 as weather and the operation of the VLF Transmitter station in Hawaii allowed.

### Survey Control

The geophysical surveys were carried out over two parcels controlled by baselines totalling 3.2 kilometers. Over the north western part of the property, 10.38 kilometers of lines were established in an east west direction. In the northeast part of the property, 14.99 kilometers of lines were established mostly in a northerly direction. The total number of lines established was 22.68 kilometers of survey lines controlled by 3.2 kilometers of baseline or a total of 25.88 kilometers. The location of these lines is shown on the maps in the pockets appended to this report.

### Magnetometer Survey Results

The central and eastern part of the surveyed area are underlain by formations of low magnetic susceptibility. Because of the direction in which the lines were run, the contours do not clearly indicate the formational trend.

The south west part of the surveyed area shows a highly anomalous magnetic area which probably reflects the serpentine masses that occur in the area. The isogamma contours show that the formations trend north 10 to 15 degrees west.

The formations flanking the assumed serpentine on the east have an intermediate magnetic susceptibility. These probably represent andesite and diorite rocks.

The interpretation of the magnetic data is limited to the extent of the survey and the lack of geological information. However, there appears to be a magnetic "low" passing through the ventilation raise on the Arizona vein. Except for that there are no fault zones or dialation zones clearly indicated.

#### Electromagnetic Survey Interpretation

The electromagnetic data shows only one definite conductor to be present in the western portion of the survey. This conductor lies along the north east flank of the highly magnetic area. The reason for this conductor needs to be determined.

Three discontinous conductors occur in the area west of Sucker Lake. These trend north five degrees west and are probably due to graphite in the schist that occur in the formation underlying this area. Trenches at 90 meters north along line 8 (b) suggest that some mineralization had been found along conductor No. 3.

There is a reverse conductor trending north 10 degrees west and passing through Brexton. This is marked by a rusty zone in the road cut about 700 meters north of Brexton. The exposed zone in the road cut has not been sampled to date.

The influence of the power line was very strong and prevented the survey to be carried out over the area flanking the line. The electromagnetic data indicates that a very strong conductor lies in this area. It is not known if this is due to the power lines or a zone in the bedrock. A soil sampling program would help to check this area.

#### Conclusion

Several conductive zones were found of which one (No. 1) is probably the most important. It flanks a highly magnetic area where veins carrying gold and silver occur. This conductor needs to be examined in detail.

The vein west of lines 14a, 15a, and 16a carries values in silver and should be checked. Due to the deep canyon, immediately east of the vein, the geophysical survey could not be carried across the vein.

#### Recommendations

1) The vein exposed west of lines 14a, 15a, 16a, and 17a should be tested with a drill. A drill site should be located as near as possible to the vein. An old drill site at 210 meters west near line 15a probably never reached the vein. About 500 feet should be allowed for two holes.

2) The No. 1 conductor should be drilled. Old logging roads cross through the conductor. A couple of short holes could be drilled from 210 west on line 9a.

The holes should be drilled at 235 degrees at minus 45 and minus 60 degrees. The holes would be 100 and 175 feet deep.

3) A short hole should be drilled to intersect the rusty zone that is exposed in the road cut about 800 meters north of Brexton. This could be drilled from or just east of the right of way east of the zone. A second hole should be drilled at a steeper angle if a definite zone is intersected. Approximately 275 feet would be required.

4) The bedrock exposures should be mapped and correlated with the geophysical data.

5) Several lines of soil samples should be taken through the area flanking the power line. Due to logging operations in the zone and a service road having been built along the power line, considerable care should be taken in gathering the samples. The soil samples should be taken at 10 meter intervals where possible and geochemically analysed for gold, silver, and copper. About 100 samples should be taken in 5 lines.

Respectfully Submitted

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P.S. Friesen P. Eng  
24th February 1984



ESTIMATION OF COSTS

Geological Mapping	2,000.00
Soil Sampling and Analysis	2,000.00
Diamond Drilling 1,000 feet	<u>20,000.00</u>
	24,000.00
Contingencies	<u>2,500.00</u>
	\$26,500.00

CERTIFICATE OF QUALIFICATION

This is to certify that:

- 1) I, Peter S. Friesen, reside at 6780 Sumas Prairie Rd., Sardis, B.C.
- 2) I am a graduate of the University of Saskatchewan where I received a degree of Bachelor of Engineering in Geological Science in 1950.
- 3) I have practiced my profession for 32 years.
- 4) The information in this report is based upon available government records and personal knowledge of the area.
- 5) I am a professional engineer registered in the Province of British Columbia.
- 6) I have no interest, direct or indirect in the claim or in the shares of the Hat Creek Energy Corp. nor do I expect to receive any such interest.
- 7) This report may <sup>be</sup> used in <sup>a</sup> prospectus or in a Statement of Material Facts for the purpose of raising funds for the project.

  
P.S. Friesen P. Eng

24 February 1984

6 January 1984

Property of  
 HAT CREEK ENERGY CORPORATION  
 Box 466  
 Lillooet B.C.  
 All in 92-J-15-W

## Claims in the name of Hat Creek Corporation

	<u>Lot No.</u>	<u>Record No.</u>	<u>Anniversary Date</u>	<u>Good Until *</u>
3171	Gloria Kitty	610	March 15/78	84
3182	Rex Fr	611	March 15/78	84
2445	Berta	612	March 30/78	84
2369	Little Bill	723	Jan. 16/79	84
6444	Mountain View	736	Jan. 23/79	84
6448	Green Rock	737	Jan. 23/79	84
6449	Wabash	738	Jan. 23/79	84
649	WHY NOT	1799	May 11/81	84
	BRX EXT	1085	Dec. 27/79	85

## Claims in the Estate of P. Paulischuck.

3173	California	462	March 17/77	85
2406	River 2	456	March 17/77	84
2407	River 3	457	March 17/77	84
4813	Marshall Fr	457	March 17/77	84
2408	River #4 Fr	458	March 17/77	84
2409	River #1	450	March 17/77	84
2395	Midas Fr	460	March 17/77	85
3172	Matilda Eleanor	460	March 17/77	85
3170	Ruby Lily	461	March 17/77	85
6042	AROC	489	March 17/77	84
6043	It Fr	489	March 17/77	84
4820	BUDE	505	April 27/77	84
6451	Flosette	865	Aug. 27/79	84
6446	Mucker's Dream	867	Aug. 27/79	84
6454	Goldside #1	888	Aug. 27/79	84
4815	Tyaxon	468	March 17/77	84
4816	Eyam	469	March 17/77	84
4821	WEDGE Fr	469	March 17/77	84
4817	Darley	470	March 17/77	84
4818	Wingfield	471	March 17/77	84
4819	Devon	472	March 17/77	84
2442	URAL	482	March 17/77	84
2443	Forth Thieves	483	March 17/77	84
2405	RIVER #1 Fr	485	March 17/77	84
3176	ARIZONA	486	March 17/77	84
3177	MEXICO	487	March 17/77	84
3178	Golden Gate	488	March 17/77	84
5474	SAT #2	1097	Dec. 31/79	85

Claims in the name V. Polischuck

	<u>Lot No.</u>	<u>Record No.</u>	<u>Anniversary Date</u>	<u>Good Until</u>
2361	Top	445	March 17/77	84
2362	Stout Fella	446	March 17/77	85
2365	Art Fr	446	March 17/77	85
2363	Ruth Ess	447	March 17/77	85
2364	Wing Fr	448	March 17/77	84
2366	Crossing	449	March 17/77	84
2367	Golden Calf	450	March 17/77	84
2368	Portal	451	March 17/77	84
2370	Aztec	452	March 17/77	84
2371	Inca	453	March 17/77	84
2400	Inca Day	454	March 17/77	84
2402	Reg Fr	455	March 17/77	84
3174	Oregon	463	March 17/77	85
3175	Pepita	464	March 17/77	84
3179	Contact	465	March 17/77	84
3180	Peach	466	March 17/77	84
3184	Rare Metal	467	March 17/77	85
6052	Peso	475	March 17/77	84
6053	Golden Bow	476	March 17/77	84
6054	Imp Fr	477	March 17/77	84
6055	Dee	478	March 17/77	84
6056	May	479	March 17/77	84
6458	Conta #1	480	March 17/77	85
4559	Conta #2	480	March 17/77	85
6463	Tuff Fr	481	March 17/77	85

Claims in the name of Randy Polischuck.

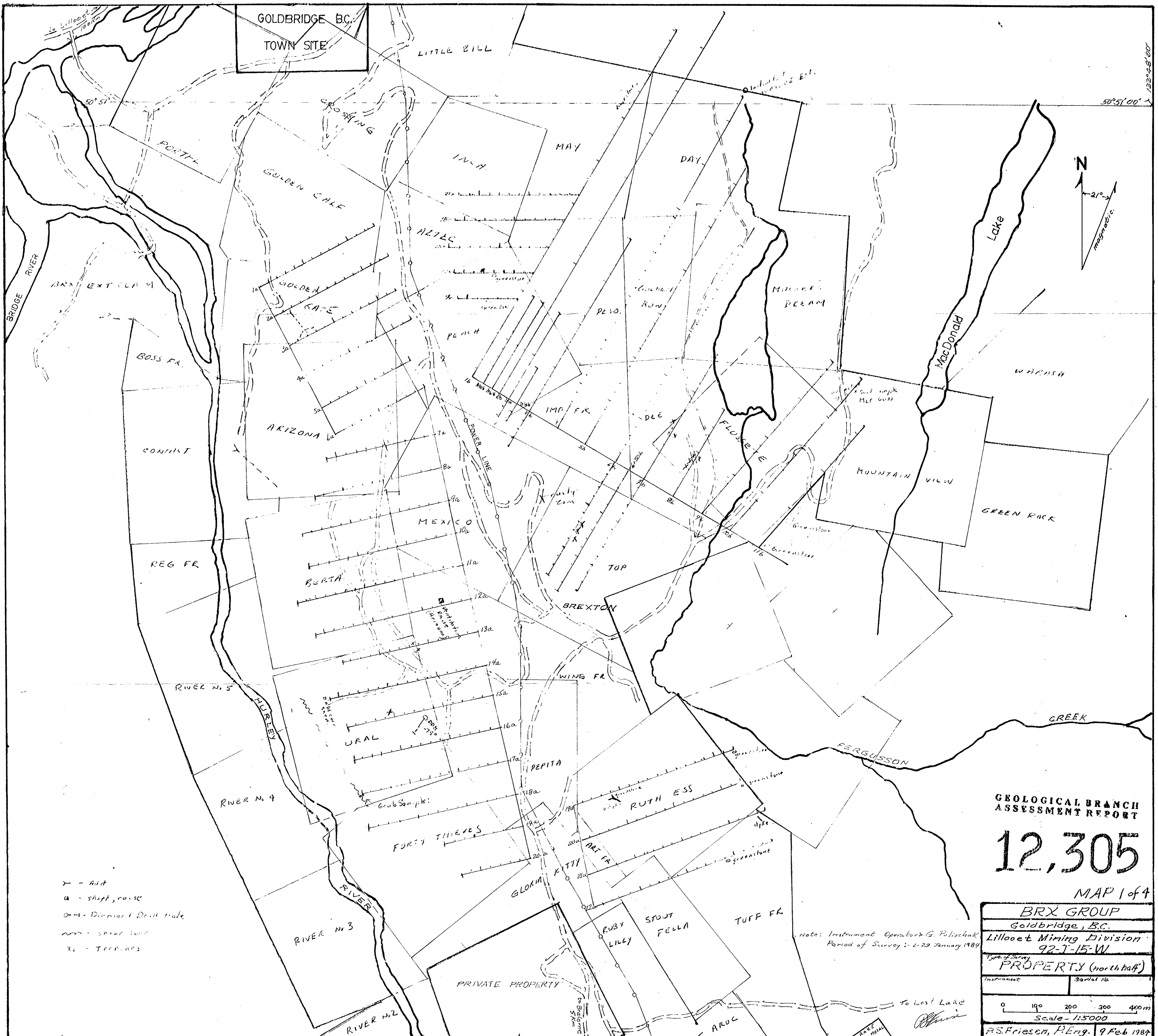
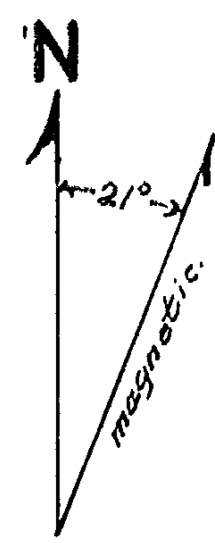
2403	BOSS Fr	1809	Sept. 24/84	84
6044	DON Fr	1900	Sept. 24/84	84

All the above claims are included in the BRX Group.  
 Notice to group No. 3461  
 Receipt MR 191025E, Dec. 31, 1982

GOLDBRIDGE B.C.  
TOWN SITE

50°51'00"

122°48'00"



Y - Airt  
a - shaft, raise  
o - Diamond Drill Hole  
--- - shaft line  
x - Trenches

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

12,305

MAP 1 of 4

BRX GROUP	
Goldbridge, B.C.	
Lillooet Mining Division	
92-T-15-W	
Type of Survey	
PROPERTY (north half)	
Instrument	Serial No.
0 100 200 300 400m	
Scale - 1:5000	
R.S. Friesen, P. Eng. 9 Feb 1984	

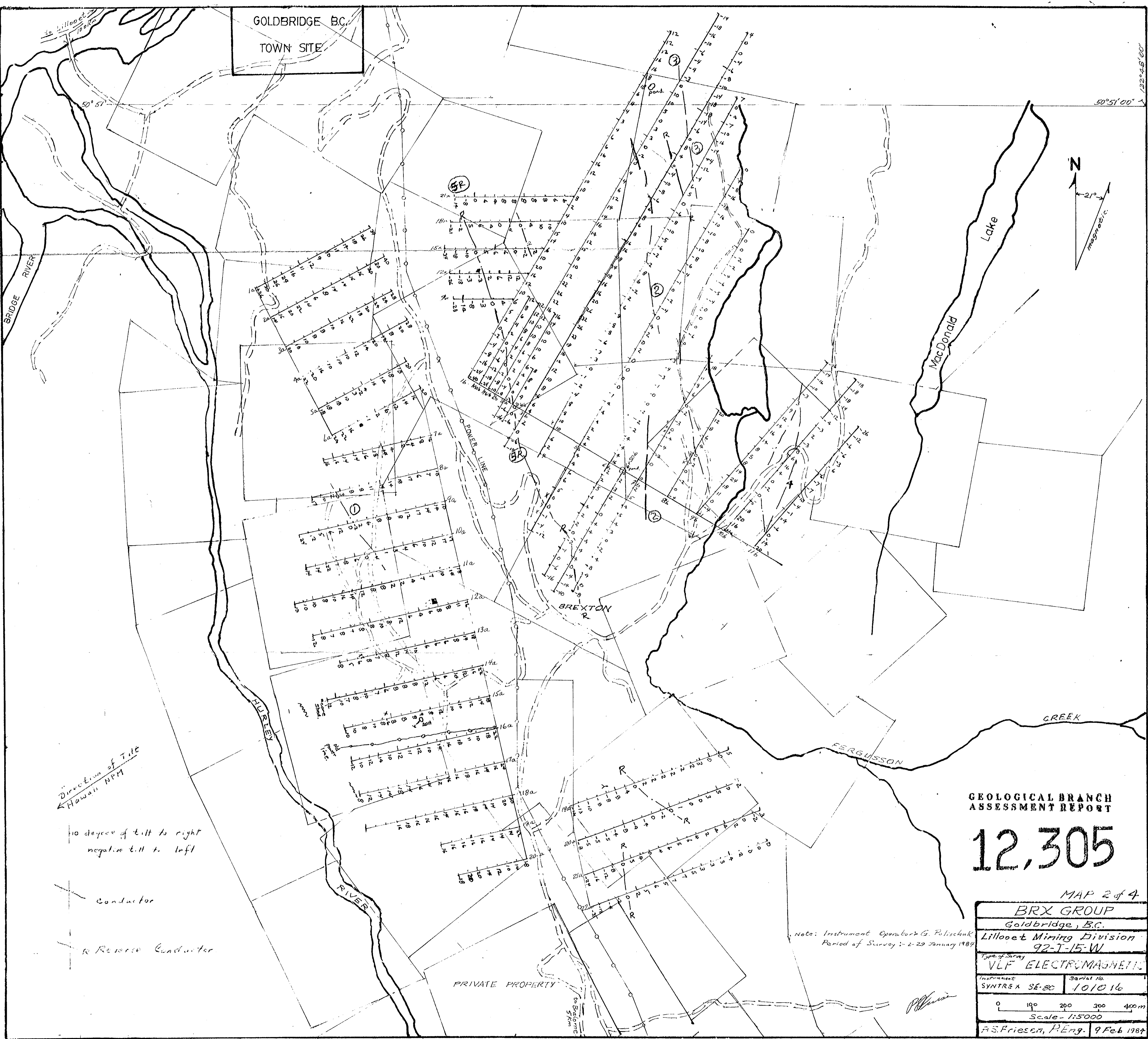
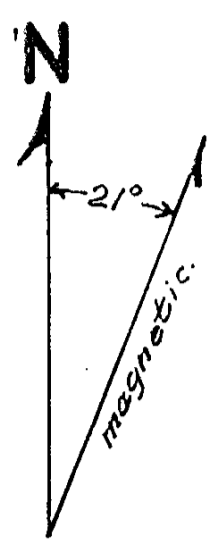
Note: Instrument Operator G. Polischuk  
Period of Survey: 2-29 January 1984

To Lost Lake  
*R. Friesen*

GOLDBRIDGE BC.  
TOWN SITE

50°51'00"

122°45'00"



Direction of Tilt  
← Hawaii NPH

10 degrees of tilt to right  
negative tilt to left

Conductor

R Reserve Conductor

PRIVATE PROPERTY

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

12,305

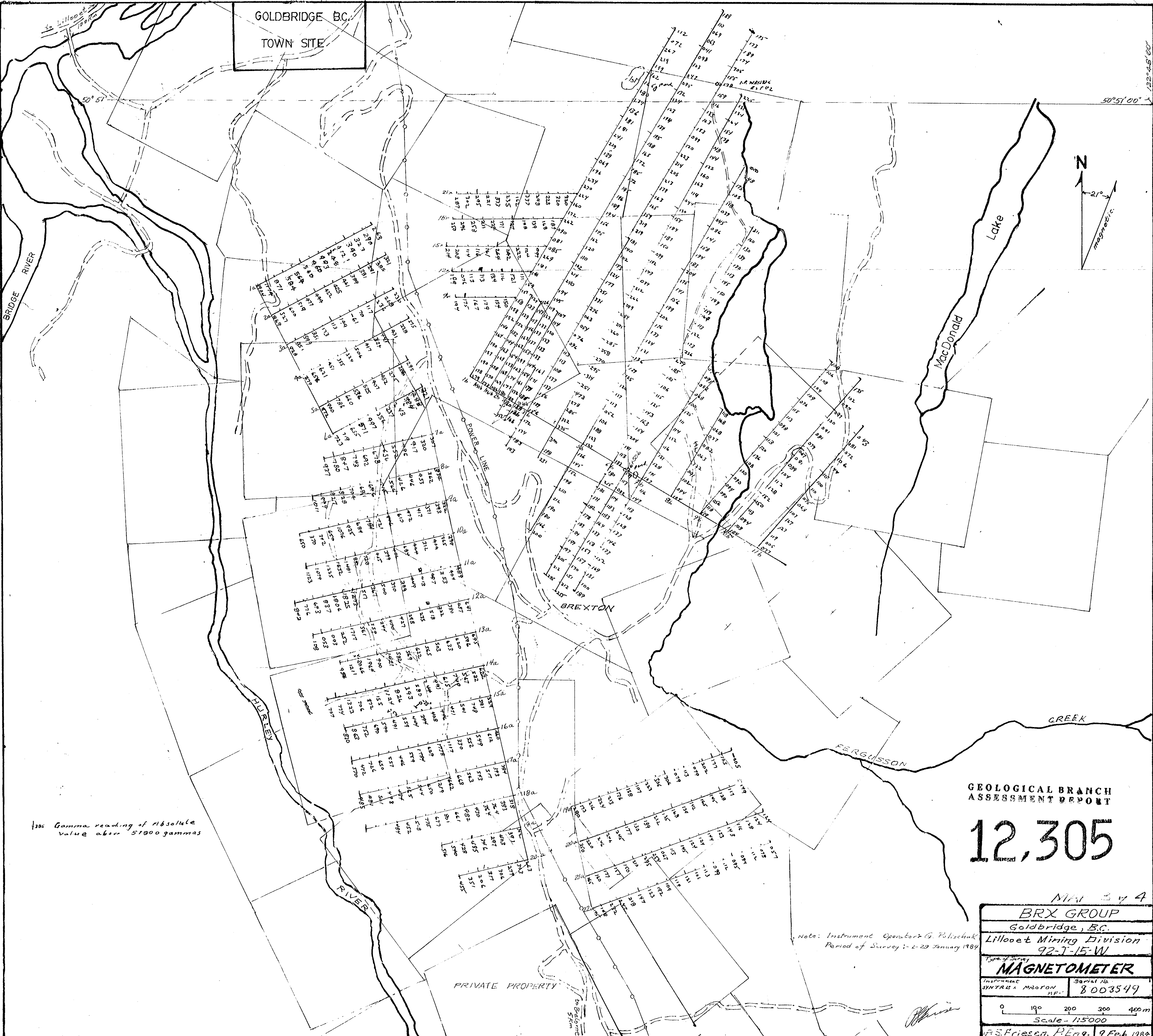
MAP 2 of 4

BRX GROUP	
Goldbridge, B.C.	
Lillooet Mining Division	
92-T-15-W	
Type of Survey	
VLF ELECTROMAGNETIC	
Instrument	Serial No.
SYNTRON SE-80	101016
0 100 200 300 400m	
Scale - 1:5000	
P.S. Priesen, P. Eng. 9 Feb 1984	

Note: Instrument Operator G. Polischuk  
Period of Survey: 2-29 January 1984

*P. Priesen*

GOLDBRIDGE B.C.  
TOWN SITE



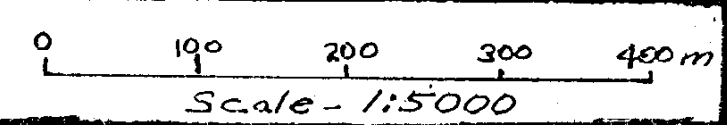
Gamma reading of Absolute value above 51000 gammas

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

12,305

MAR 3 4

BRX GROUP	
Goldbridge, B.C.	
Lillooet Mining Division	
92-T-15-W	
Type of Survey	
<b>MAGNETOMETER</b>	
Instrument	Serial No.
SYNTRON M2000	8 003549



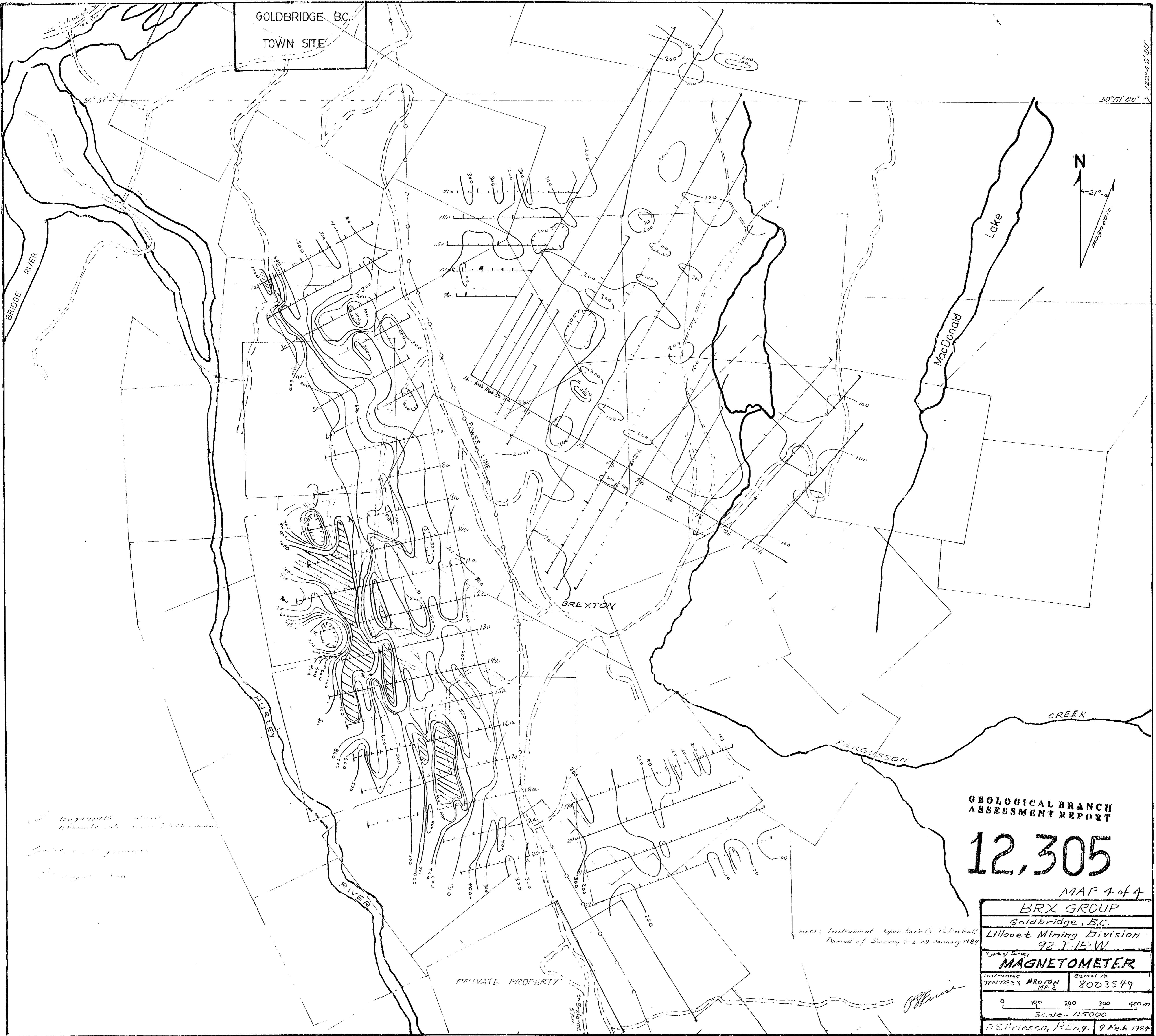
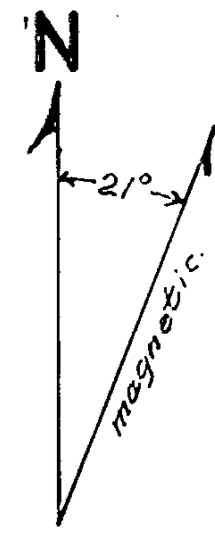
Note: Instrument Operator G. Polischuk  
Period of Survey: 2-29 January 1984

P.S. Priesen, P. Eng. 9 Feb 1984

GOLDBRIDGE B.C.  
TOWN SITE

50°51'00"

122°45'00"



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

12,305

MAP 4 of 4

BRX GROUP	
Goldbridge, B.C.	
Lillooet Mining Division	
92-T-15-W	
Type of Survey	
<b>MAGNETOMETER</b>	
Instrument	Serial No.
SYNTRON MP-2	8003549
0 100 200 300 400 m	
Scale - 1:5000	
P.S. Prieson, P.Eng. 9 Feb 1984	

Note: Instrument Operator G. Polischuk  
Period of Survey: 1-2-29 January 1984

*P.S. Prieson*

PRIVATE PROPERTY

*150g/cm<sup>3</sup> density  
Magnetic susceptibility  
...  
...*