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GEOLOGICAL BRANCH ASSESSMENT PEPORT

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ASSESSMENT REPORT ON THE GR 3 AND GR 4 MINERAL CLAIMS

Revelstoke Mining Division 51°38'N, 118°33'W

For

Bethlehem Resources Corp. and Goldnev Resources Inc.

GOLDNEV RESOURCES INC 10th Floor, 808 W. Hastings St., Vancouver, B.C. V6C 2X4

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BETHLEHEM RESOURCES CORP. Suite 806, 808 W. Hastings St., Vancouver, B.C. V6C 2X4

Ian Campbell, Consulting Geologist OreQuest Consultants Ltd.

24 January 1991





SUMMARY

The GR 3 and GR 4 mineral claims jointly held by Bethlehem Resources Corp. and Goldnev Resources Inc represents an exploration target for stratabound copper-zinc massive sulphide deposits similar to the Goldstream Mine.

During August and September, 1990, a program consisting of linecutting, geochemical soil sampling, ground magnetometer and VLF-EM geophysics was carried out over a portion of the claim group.

Several geochemical and geophysical anomalous zones were located and diamond drilling of some of these targets is recommended.

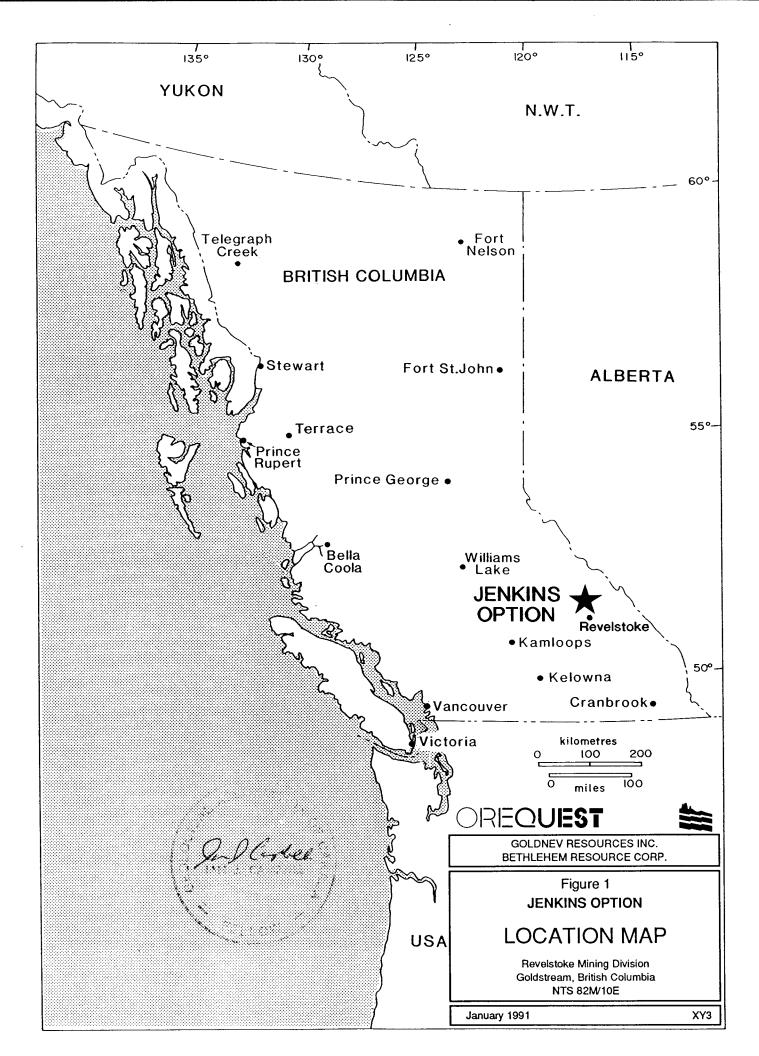


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Ian Campbell, F.G.A.C.

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INTRODUCTION

Prime Explorations, a division of Prime Equities Inc and managers of the exploration joint venture between Bethlehem Resources Corp. and Goldnev Resources Inc. commissioned OreQuest Consultants Ltd. to conduct a ground exploration program on the Jenkins option. The claim group consists of 2 claims, the GR 3 and GR 4 consisting of 20 units.

The exploration program included of linecutting, followed by soil geochemical sampling, ground magnetometer and VLF - EM geophysics over a portion of the property.

The purpose of the program was to locate areas of potential copper-zinc mineralization similar to the Goldstream Mine massive sulphide deposit which lies 9 kilometers to the east along strike.

This report describes and presents the results of the exploration program which was carried out between August and September 1990.

LOCATION AND ACCESS

The GR 3 and GR 4 claims, consisting of 20 units, is located 90 kilometres north of Revelstoke, B.C. within the Columbia River Valley, centred at NTS co-ordinates $51^{0}38$ ' North and $118^{0}33$ ' West. The Columbia River lies 6 kilometres to the west, the Goldstream Mine 9 kilometres to the east, and the Goldstream River touches the northeast corner of the GR 4 claim.

Access is gained by travelling 90 kilometres north from Revelstoke B.C. along Highway 23, and then eastward for 4 kilometres along the Goldstream Mine access road. This road crosses the eastern portion of the property. Several dirt logging roads lead off the Goldstream Mine access road providing access to other parts of the claims.

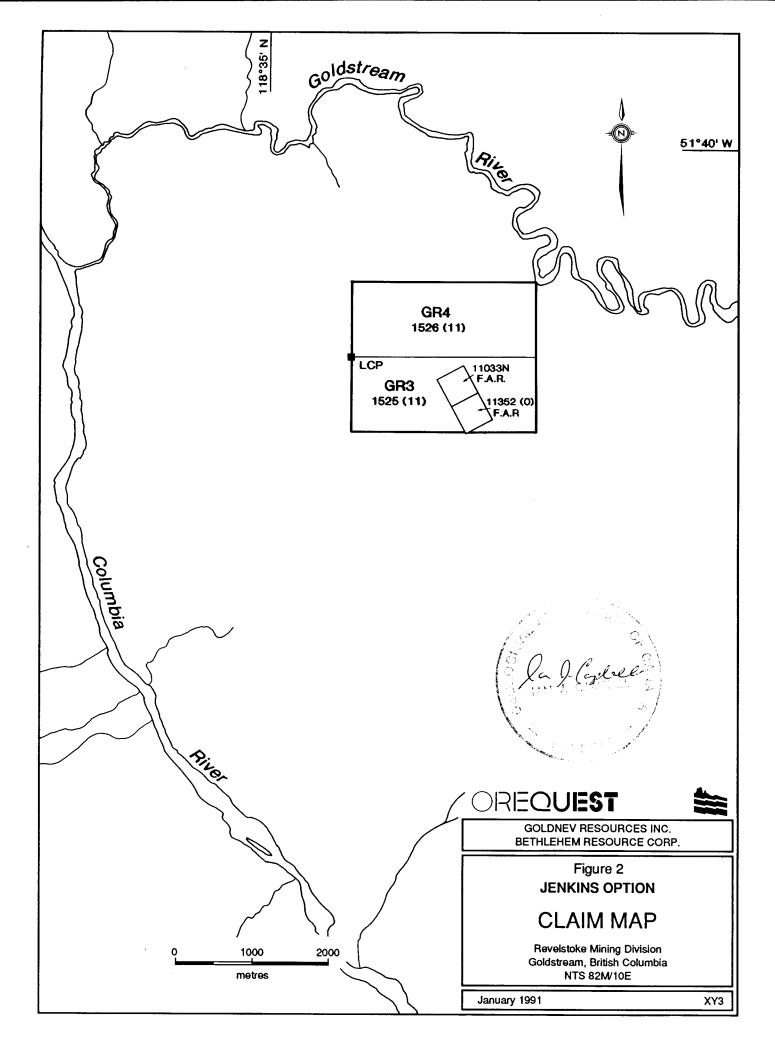
TOPOGRAPHY AND VEGETATION

The topography is variable with elevations varying from approximately 650 metres A.S.L. in the southeast corner of the GR 3 claim to nearly 950 m A.S.L in the western portion of the claim group. A small, swampy creek system representing the old Goldstream River channel crosses the eastern portion of the claim group.

Vegetation consists of mature spruce and pine forests in the elevated areas and dense underbrush in the lower areas. Several areas in the western portion of the claim group have been logged by block clear cut methods.

CLAIMS

The claim group consists of 2 claims, the GR 3 and GR 4 each consisting of 10 units. The claims are registered at the Mining Recorders Office in Revelstoke B.C. and are in good standing until November 1995 pending approval of the currently applied assessment credits.



PREVIOUS WORK

Previous recorded work dates back to the mid 1970's when in March 1976, Canex Placer optioned the property from Seaforth Mines Ltd. Canex Places carried out linecutting ground geophysics, geochemical soil sampling, geological mapping and drilled a single diamond drill hole. The results were not encouraging and the property returned to Seaforth Mines Ltd.

In 1982 Noranda staked the property and subsequently carried out linecutting, ground geophysics (HLEM) and geological mapping in order to test several airborne EM conductors. Results were discouraging and no further work was recommended.

In 1990 Bethlehem Resources Corp. and Goldnev Resources Inc. entered into a joint venture option agreement with the recorded holders and flew combined airborne magnetic-electromagnetic survey over the property. The survey outlined several anomalies which were followed up on by the exploration program discussed in this report.

GEOLOGY

The claim group is underlain by rocks belonging to the Lower Cambrian Lardeau Group consisting predominantly of metamorphosed sediments classified as chlorite-biotite schist with intercalated graphite, chert, limestone and quartzite. Talc schists are found on the eastern portion of the claims.

Rock units strike east-northeast, west southwest and appear to have a 30° to 35' dip to the north.

GEOCHEMISTRY

Geochemical soil sampling (B-horizon) was conducted at 50 meter sample intervals. The samples were analyzed by ICP methods for 25 elements and geochemically for gold. Analytical results and methods are found in appendix I and II respectively.

Several anomalous areas occur in the sample area (Figures 6,7,8,9). The most prominent is a coincident zinc, copper, gold anomaly along to the south western portion of the GR 3 claim. This well defined anomaly occurs over a 700 metre strike length with zinc values of up to 1643 ppm, copper values of 218 ppm and gold up to 460 ppb.

In the middle portion of claim GR3 several spot high zinc results were returned.

Several one or two station zinc anomalies up to 372 ppm are clustered in the southeastern portion of the claim group.

GEOPHYSICS.

Ground magnetometer and VLF-EM surveys were run over the grid utilized on EDA OMNI plus system. Readings were taken at 12.5 metres

intervals. The VLF-EM survey utilized the transmitter station Annapolis (NSS-21, 4 Kh2) with readings taken facing north.

The VLF-EM survey detected multiple, parallel conductors within a 500-700 meter wide conductive zone trending 070^o across the property area surveyed (Figure 8). The conductors vary in strength and width and the majority are interpreted to be graphitic horizons within the metasediments. Figure 8 illustrates the line profiles with inphase, out of phase and field strength plotted.

The magnetometer survey shows a generally flat background with local one or two station spot high usually flanked by a relative magnetic low. The survey suggests the bedrock underlain by this portion of the claim group to be of the same rock type, being calcareous, graphitic chlorite biotite metasediments with intercalated limestone, chert and quartzite beds.

CONCLUSIONS AND RECOMMENDATIONS

The surveys have delineated coincident geochemical and geophysical anomalies in the southern portion of claim GR3. Backhoe trenching and/or diamond drilling of these targets is recommended.

STATEMENT OF COSTS

Since the Jenkin's Option is a portion of a larger exploration program, the costs are obtained on a percentage basis of an overall total. For example, the entire grid was 187 km however the Jenkin's Option includes only 20 km. Therefore 10.7% of the overall linecutting which was \$110,000 was allocated to the Jenkin's Option.

Linecutting 20 km x \$110,000 x 10.7%	\$11 , 764
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Sampler - T. McGowen	1,250
Sept 7-11 (5 days) @ \$250/day	•
Analytical Costs	
Sample Preparation \$ 1.00	
ICP 6.50	
Gold Geochemistry 7.50	
\$15.00/sample x 360 samples	5,400
Geophysics	-,
Equipment Rental 6 days x \$150/day	900
Operator: G. Thornton	2,400
Sept 1-6 (6 days) @ \$400/day	-,
Truck	360
Report	1,200
Total Costs	\$23,274
	+,

CERTIFICATE of QUALIFICATIONS

I, Ian James Campbell of 19312 Davison Road, Pitt Meadows, British Columbia, hereby certify:

- I am a graduate of Lakehead University (1982) and hold a BSc. (Geology) degree.
- 2. I am presently employed as a project geologist with OreQuest Consultants Ltd. of #306-595 Howe Street, Vancouver, British Columbia.
- 3. I have been employed as an exploration geologist on a full time basis since 1982, prior to that as a geological assistant for four field seasons.
- 4. I am a Fellow of the Geological Association of Canada and I am a member in good standing with the Prospectors and Developers Association.
- 5. The information contained in this report was obtained from exploration work conducted on the subject property by OreQuest Consultants Ltd. that I carried out or directly supervised.
- 6. I own no direct, indirect or expect to receive any contingent interests in the subject property or shares or securities of Goldnev Resources Inc. or Bethlehem Resources Corporation.

Ian James Campbell, F.G.A.C. Geologist

DATED at Vancouver, B.C. this 24th day of January, 1991.

BIBLIOGRAPHY

- Lewis, T.D., Notanda Exploration Co. Ltd; Geological and Geophysical Report on the GRI, GR 2, GR 3 and GR 4 Mineral Claims. Geological Assessment Report 11,578.
- Pentland, W.S., 1977. Canex Placer Ltd. Diamond Drilling Report on the FAR Mineral Claim, Revelstoke Mining Division. Geological Assessment Report 6371.

APPENDIX I

ANALYTICAL PROCEDURES

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VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE 1630 PANDORA STREET VANCOUVER, B.C VSL 1L6 TEL (604) 251-5656 FAX (604) 254-5737 BRANCH OFFICES BATHURST, N.B. RENO, NEVADA, U.S.A.

October 19, 1990

- TO: Mr. Bernie Dewonck OREQUEST CONSULTANTS LTD. 306 - 595 Howe Street Vancouver, BC V6C 2T5
- FROM: VANGEOCHEM LAB LIMITED 1630 Pandora Street Vancouver, BC V5L 1L6
- SUBJECT: Analytical procedure used to determine gold by fire assay method and detect by atomic absorption spectrophotometry in geological samples.
- 1. <u>Method of Sample Preparation</u>
 - (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.
 - (b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.
 - (c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Extraction

- (a) 20.0 to 30.0 grams of the pulp samples were used. Samples were weighed out using a top-loading balance and deposited into individual fusion pots.
- (b) A flux of litharge, soda ash, silica, borax, and, either flour or potassium nitrite is added. The samples are then fused at 1900 degrees Farenhiet to form a lead "button".

GC VANGEOCHEM LAB LIMITED

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- 2 -

- (c) The gold is extracted by cupellation and parted with diluted nitric acid.
- (d) The gold beads are retained for subsequent measurement.

3. Method of Detection

- (a) The gold beads are dissolved by boiling with concentrated agua regia solution in hot water bath.
- (b) The detection of gold was performed with a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. The gold values, in parts per billion, were calculated by comparing them with a set of known gold standards.

4. Analysts

The analyses were supervised or determined by Mr. Raymond Chan or Mr. Conway Chun and his laboratory staff.

Knih

Raymond Chan VANGEOCHEM LAB LIMITED

VANGEOCHEM LAB LIMITED

MAIN OFFICE 1630 PANDORA STREET VANCOUVER, BC V5L 1L6 TEL (604) 251-5656 FAX (604) 254-5717 BRANCH OFFICES BATHURST, N.B. RENO, NEVADA, U.S.A

October 19, 1990

- TO: Mr. Bernie Dewonck OREQUEST CONSULTANTS LTD. 306 - 595 Howe Street Vancouver, BC V6C 2T5
- FROM: VANGEOCHEM LAB LIMITED 1630 Pandora Street Vancouver, BC V5L 1L6
- SUBJECT: Analytical procedure used to determine hot acid soluble for 25 element scan by Inductively Coupled Plasma Spectrophotometry in geochemical silt and soil samples.
- 1. Method of Sample Preparation
 - (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" X 6", Kraft paper bags. Rock samples would be received in poly ore bags.
 - (b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.
 - (c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2 Method of Digestion

- (a) 0.50 gram portions of the minus 80-mesh samples were used. Samples were weighed out using an electronic balance.
- (b) Samples were digested with a 5 ml solution of HCl:HN03:H20 in the ratio of 3:1:2 in a 95 degree Celsius water bath for 90 minutes.
- (c) The digested samples are then removed from the bath and bulked up to 10 ml total volume with demineralized water and thoroughly mixed.

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3. <u>Method of Analyses</u>

The ICP analyses elements were determined by using a Jarrell-Ash ICAP model 9000 directly reading the spectrophotometric emissions. All major matrix and trace elements are interelement corrected. All data are subsequently stored onto disketts.

4 Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Raymond Chan and his laboratory staff.

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Raymond Chan VANGEOCHEM LAB LIMITED

APPENDIX II

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ANALYTICAL RESULTS

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-- = not analysed is = insufficient sample

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NO.267 P012/020

	EOCHEM LAB L		MAIN OFFICE 1630 PANDORA STREET VANCOUVER, B.C. V5L 1L8 TEL (604) 251-5656 FAX (604) 254-5717		BAT	HUF	OFFIC RST, N.B /ADA, U.
EXPORT HUNDER: 900545	GL JOB NUMBER: 300585	PRIME EQUIVIO	LA TAC.	PICE	3	07	9
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REPORT NUMBER: 900585 GA	JOB BUMBER: 900545	PRIME ROVITIES INC.	PAGE 4 OF 9
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VGC VANGEOCHEM LAB LIMITED

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MAIN OFFICE 1630 PANDORA STREET VANCOUVER, B.C. V5L 1L6 TEL (604) 251-5656 FAX (604) 254-5717

BRANCH OFFICES BATHURST, N.B. RENO, NEVADA, U.S.A.

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NO. 267 P015/020



MAIN OFFICE 1630 PANDORA STREET VANCOUVER, B.C. V5L 1L6 TEL (604) 251-5656 FAX (604) 254-5717

BRANCH OFFICES BATHURST, N.B. RENO, NEVADA, U.S.A.

REF	ORT BUNBER: 300585 GA	JOB NUMBER: 900585	PRIME ROWITIRE INC.	PAGE 6 OF 9
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ad = nose detected ___ and analyzed to _ therefore

NO.267 P016/020



MAIN OFFICE 1630 PANDORA STREET VANCOUVER, B.C. VSL 1L6 TEL (604) 251-5656 FAX (604) 254-5717

BRANCH OFFICES BATHURST, N.B. RENO, NEVADA, U.S.A.

REPORT NUMBER: 90(DSUS GA JOB NUNBER:	900585	PRINE BOUITIES INC.	PAGE 1	07 9
SAMPLE #	10				
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NO.267 P017/020

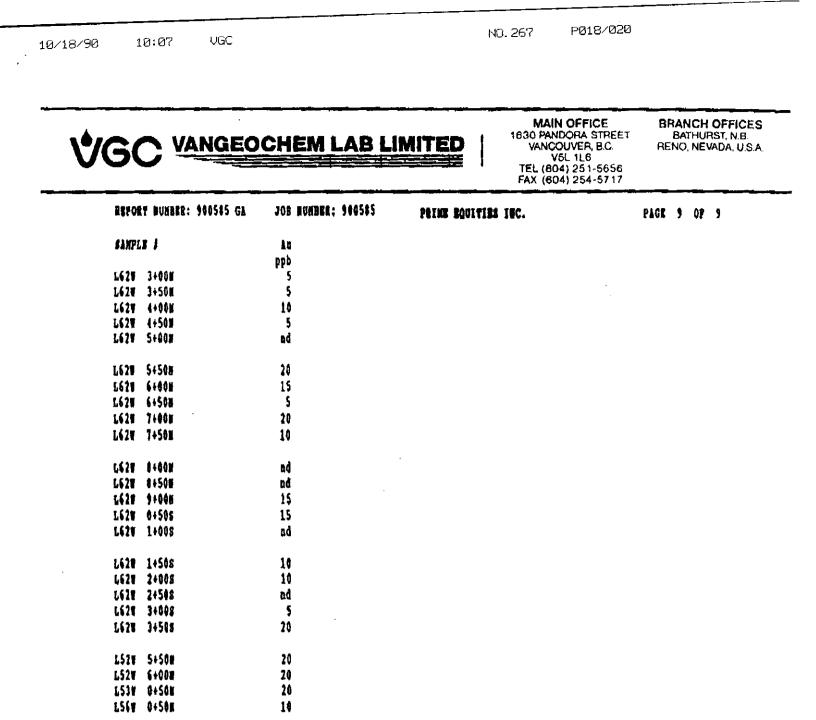


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MAIN OFFICE 1630 PANDORA STREET VANCOUVER, B.C. VSL 1L6 TEL (604) 251-5656 FAX (604) 254-5717

BRANCH OFFICES BATHURST, N.B. RENO, NEVADA, U.S.A.

		FAX (604) 2	54-5717
REPORT NUMBER: 9005	185 GA JOB WUNBER: 900505	PRIME BOUTTIRS INC.	PAGE & OF 9
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LGOV 3+008	1\$		
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l61W Q400	10		
1618 4+50H	10		
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MAIN OFFICE 1630 PANDORA STREET VANCOUVER, B.C. V5L 1L6 TEL (604) 251-5656 FAX (604) 254-5717

SAMPLE # L63W 0+50M L63W 1+00M L63W 1+50M L63W 2+00M	Au ppb nđ nđ		
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VGC VANGEOCHEM LAB LIMITED

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MAIN OFFICE 1630 PANDORA STREET VANCOUVER, B.C. V5L 1L6 TEL (604) 251-5656 FAX (604) 254-5717

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VGC VANGEOCHEM LAB LIMITED

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MAIN OFFICE 1630 PANDORA STREET VANCOUVER, B.C. V5L 1L6 TEL (604) 251-5656 FAX (604) 254-5717

REPORT	NUMBER: 900602 GA	JOB NUMBER: 900602	PRIME BOUITIES INC.	PAGE 3 OF 11
SAMPLE	: :	Au		
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MAIN OFFICE 1630 PANDORA STREET VANCOUVER, B.C. V5L 1L6 TEL (604) 251-5656 FAX (604) 254-5717

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MAIN OFFICE 1630 PANDORA STREET VANCOUVER, B.C. V5L 1L6 TEL (604) 251-5656 FAX (604) 254-5717

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BRANCH OFFICES BATHURST, N.B. RENO, NEVADA, U.S.A.

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MAIN OFFICE 1630 PANDORA STREET VANCOUVER, B.C. V5L 1L6 TEL (604) 251-5656 FAX (604) 254-5717

REPORT NUMBER: 900602 GA	JOB NUMBER: 900602	PRIME EQUITIES IEC.	PAGE 7 OF 11
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L72W 2+00H	nd		
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L72¥ 8+50H	ba		
L72W 9+00N	nd		
L721 0400S	ba		
172W 0+50S	40		
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BRANCH OFFICES BATHURST, N.B. RENO, NEVADA, U.S.A.

SAMPLE I L73V 1+00N L73V 1+50N L73V 2+00N	Au ppb ad nd			
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LT3¥ 7+50N	nd			
L73¥ 8+00N	nd			
L73W 8+50M	nd			
L73V 9+00H	nd			
L73W 0+50S	nd			
173W 1+00S	ad			
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L731 2+00S	ba			
L73W 2+50S	nd			
L731 3+005	nd			
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L74¥ 0+00	nd			
174V 0+50N	nd			
L74W 1+00N	nd			
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1741 4+50N	nd			
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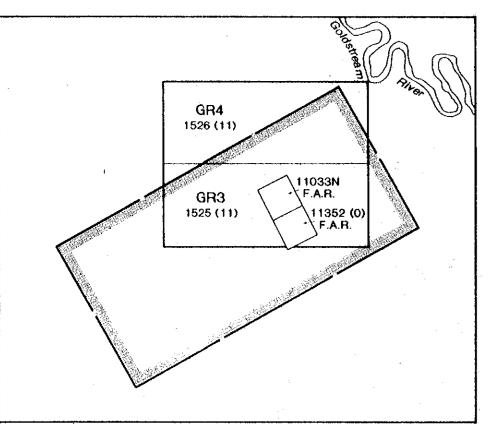
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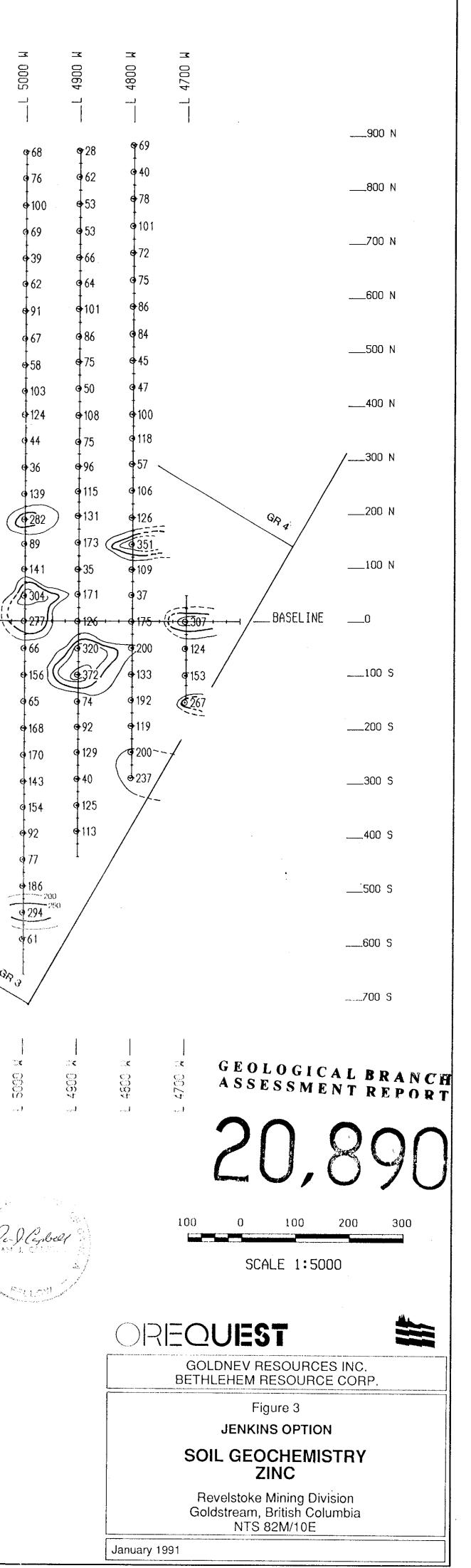
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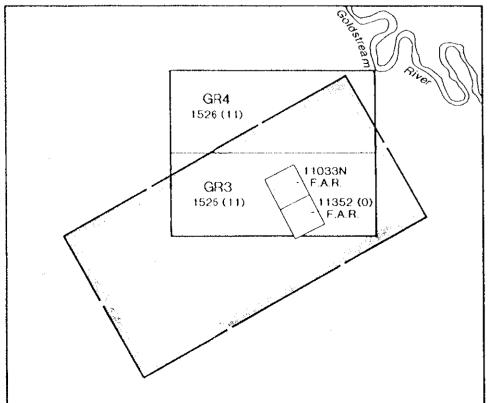
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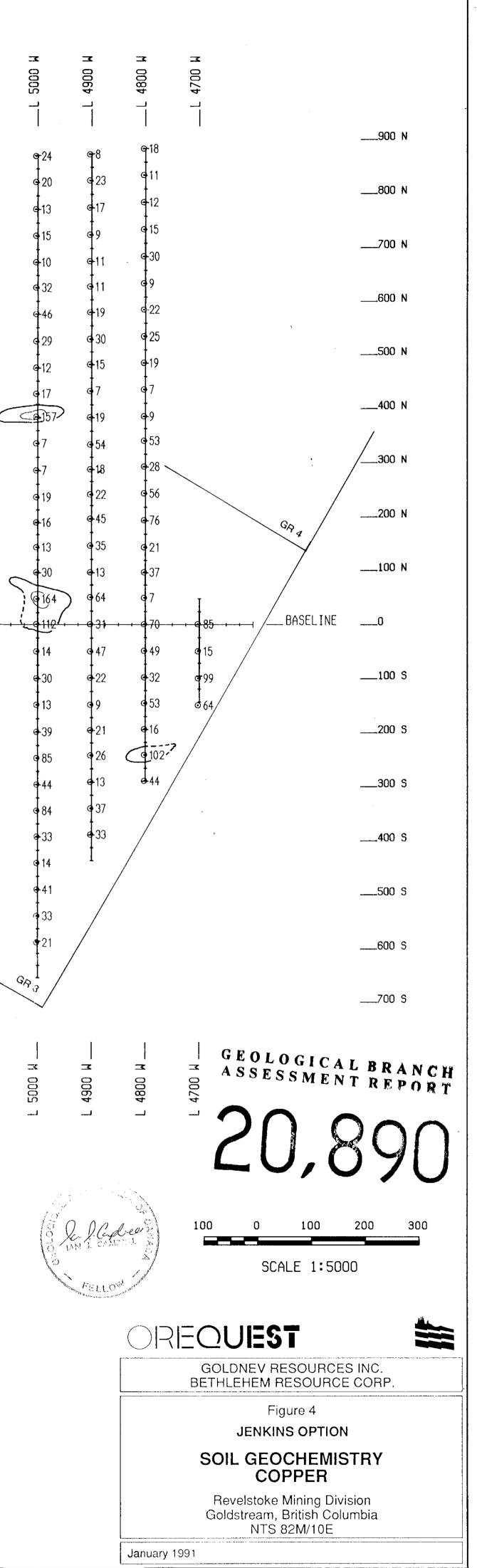
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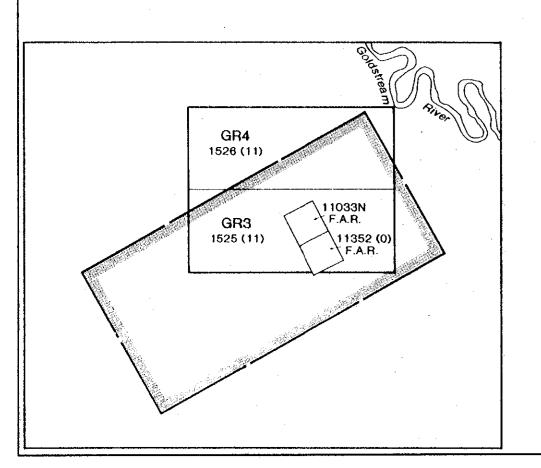
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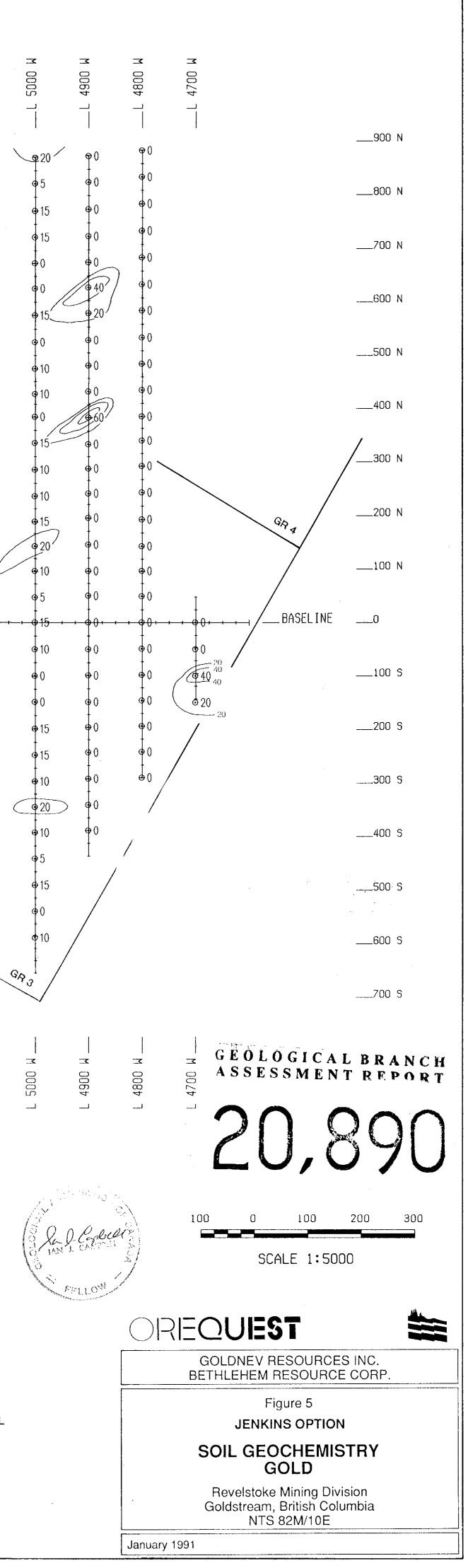
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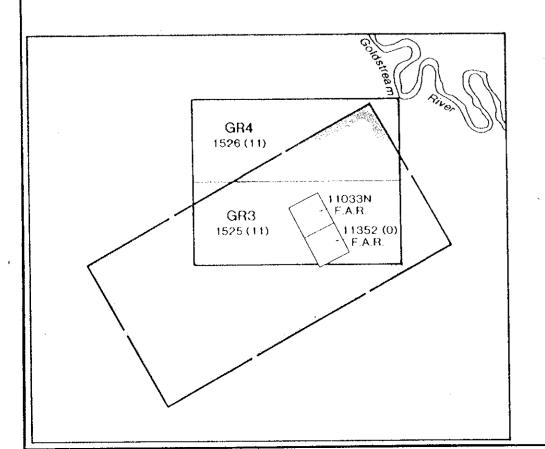
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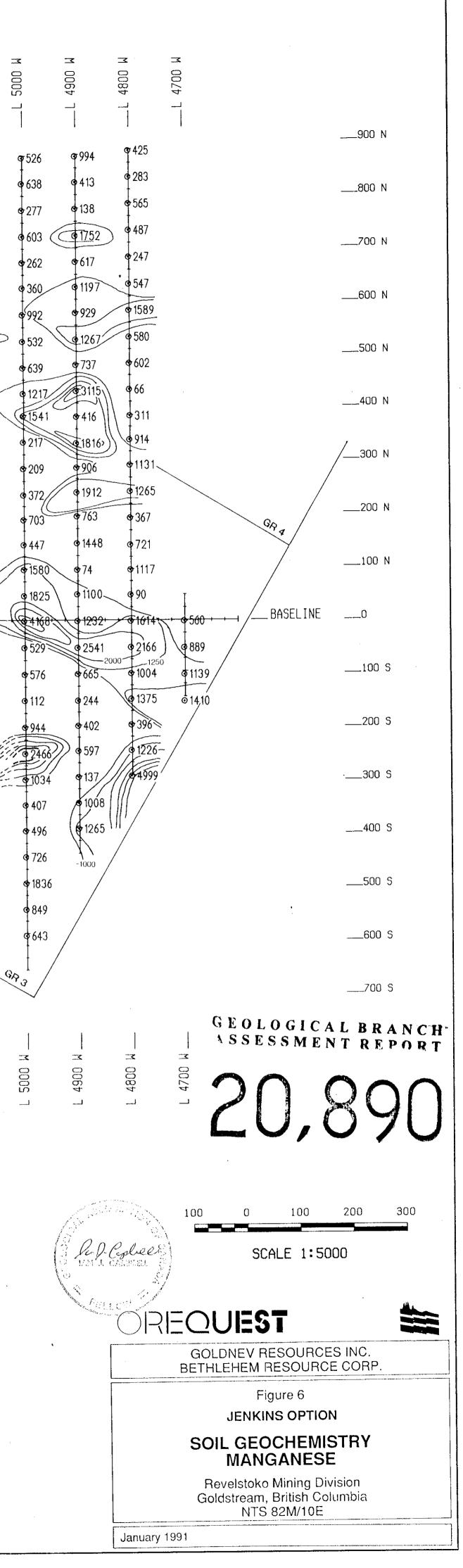


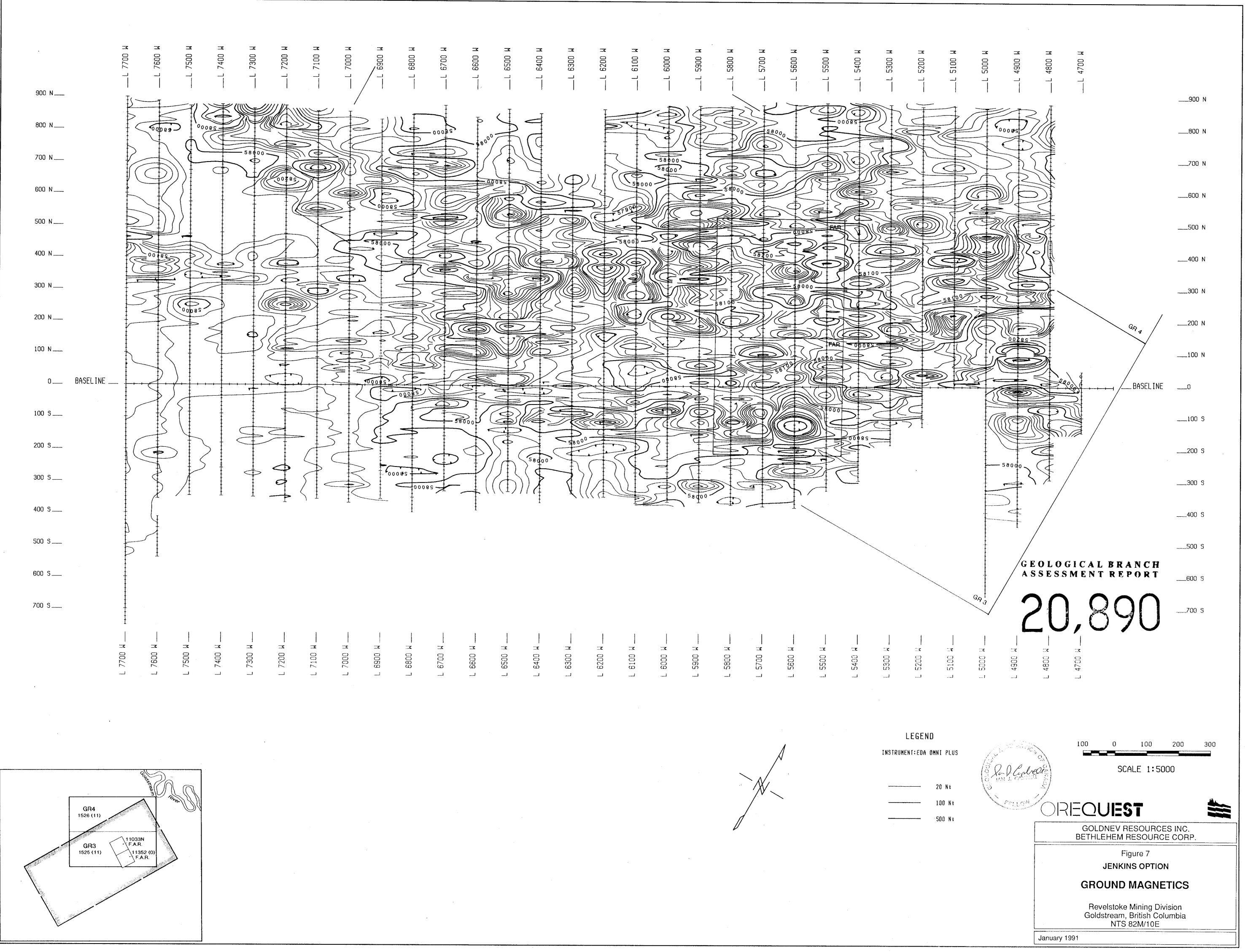
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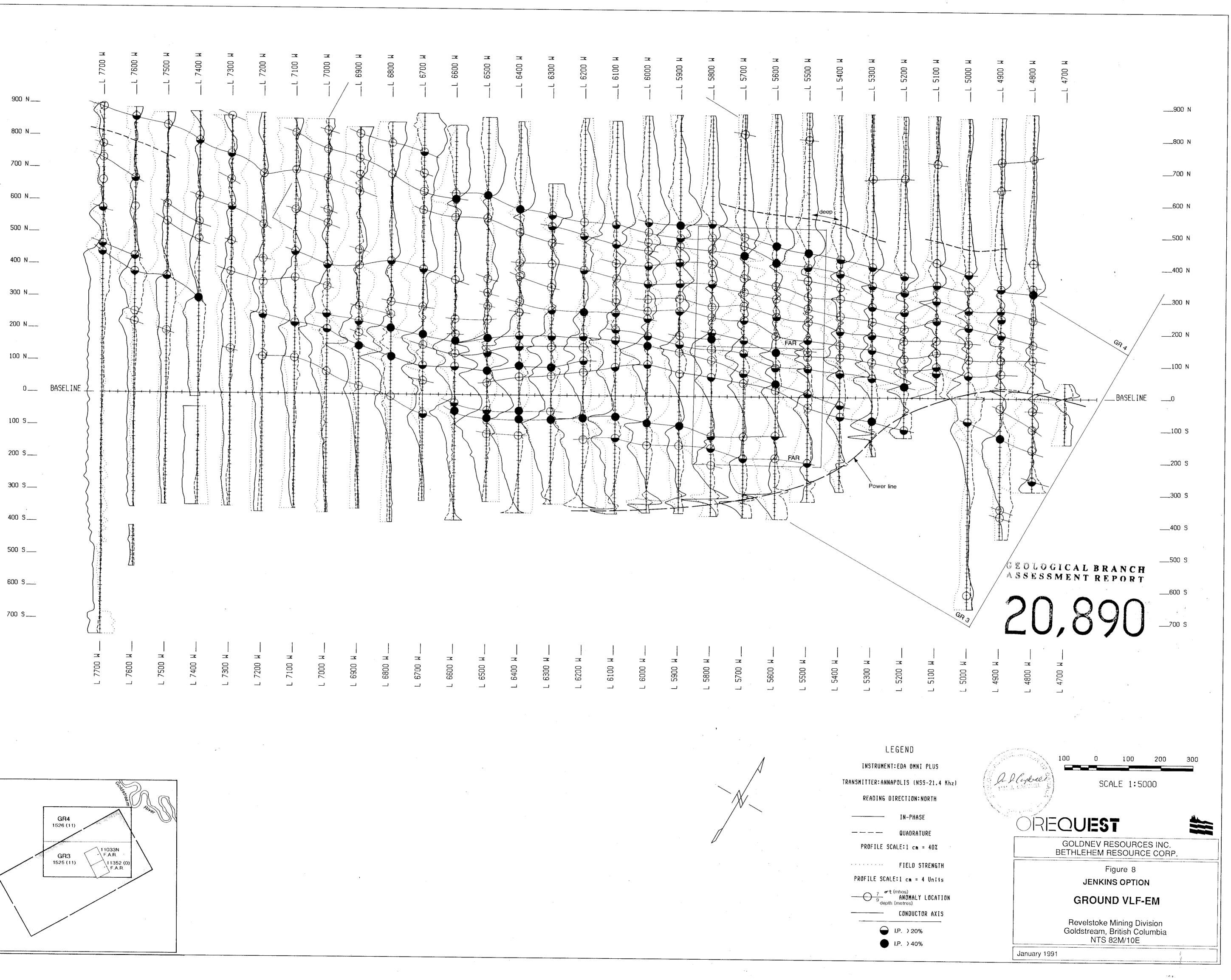


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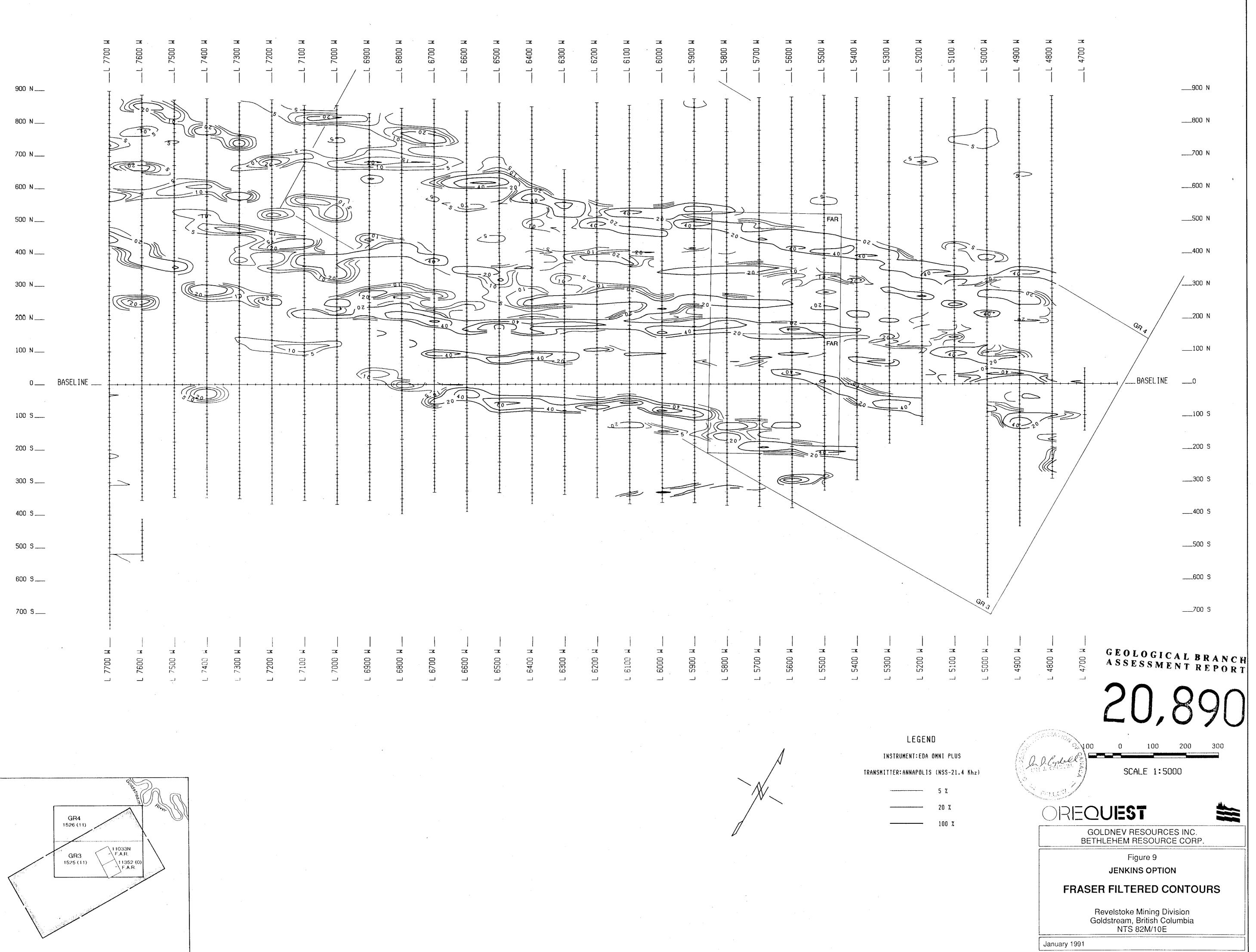
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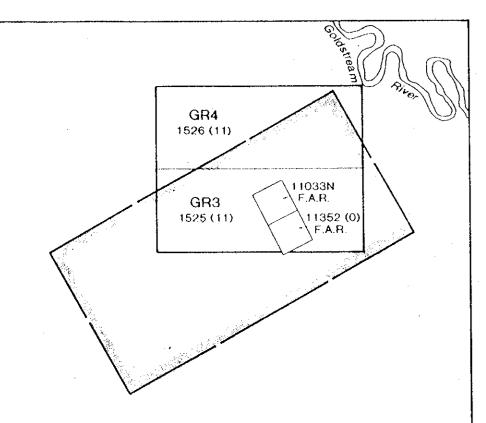






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