

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 89.10.27

ASSESSMENT REPORT 18005

MINING DIVISION: Similkameen

PROPERTY: Matheny  
LOCATION: LAT 49 37 00 LONG 120 52 00  
UTM 10 5497978 654101  
NTS 092H10W

CLAIM(S): Matheny  
OPERATOR(S): Bordeaux Res.  
AUTHOR(S): Orman, M.A.  
REPORT YEAR: 1988, 23 Pages

COMMODITIES  
SEARCHED FOR: Gold

GEOLOGICAL  
SUMMARY: The property is underlain by Nicola Group volcanics consisting of andesitic flows and tuff with alkali feldspar trachytes of Upper Triassic which trend north to northwesterly.

KEYWORDS: Nicola Group, Andesite, Trachyte, Spot anomalies

WORK

DONE: Geological, Geochemical  
GEOL 40.0 ha  
LINE 4.4 km  
SOIL 80 sample(s) ; CU, PB, ZN, AG, AS, AU

LOG NO: 0206 RD. 2

LOG NO: 1122 RD.

ACTION: Date received report back from amendments.

ACTION:

FILE NO:

FILE NO:

# BORDEAUX RESOURCES LTD.

Geological & Geochemical Report  
on the  
Matheny I Mineral Claim

Similkameen Mining District

FILMED

N. Latitude: 49° 37' 00"

W. Longitude: 120° 52' 00"

NTS 92 H/10 W

by

Mary Anne Orman, B. Sc.

STRATO GEOLOGICAL ENGINEERING LTD.  
3566 King George Highway  
Surrey, British Columbia  
V4A 5B6

July 22, 1988

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

118,005



## SUMMARY

The Matheny I mineral claim comprises of 20 units situate on the west slopes of Mount Spearing in the Similkameen Mining Division, 11 kilometers northwest of Tulameen, British Columbia.

Previous work completed by Strato Geological Engineering Ltd. personnel (November 5, 1984) outlined weakly anomalous areas in gold, copper and zinc.

Work completed in June 1988 by Marion Blank and Mary Anne Orman of Strato Geological Engineering Ltd. has also indicated some anomalous values in gold, copper and zinc.

Any further work on this property should include detail soils geochemistry, geological mapping and sampling, and geophysical work consisting of magnetometer and VLF-EM surveys.

Respectfully submitted,  
Strato Geological Engineering Ltd.

*Mary Anne Orman*  
M.A. Orman  
Geologist

July 22, 1988



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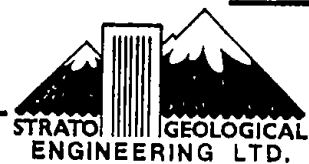
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## 1. INTRODUCTION

This report was prepared pursuant to a request by the Directors of Bordeaux Resources Ltd. The following examination and evaluation report was written of the Matheny I Mineral Claim located 11 kilometers northwest of Tulameen, near Lawless Creek (Figure 1) within the Similkameen Mining Division.

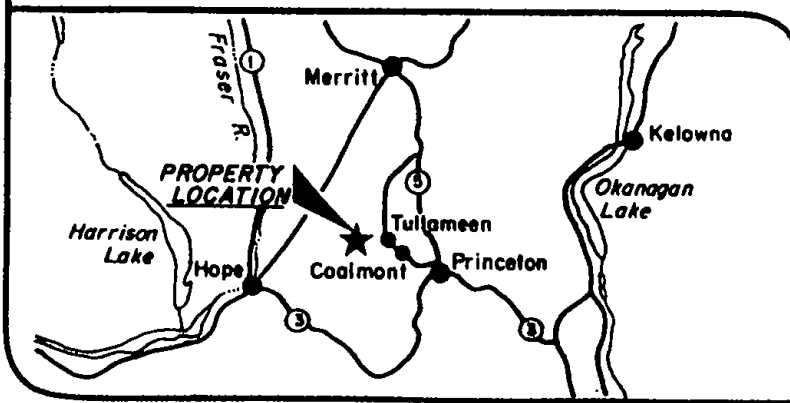
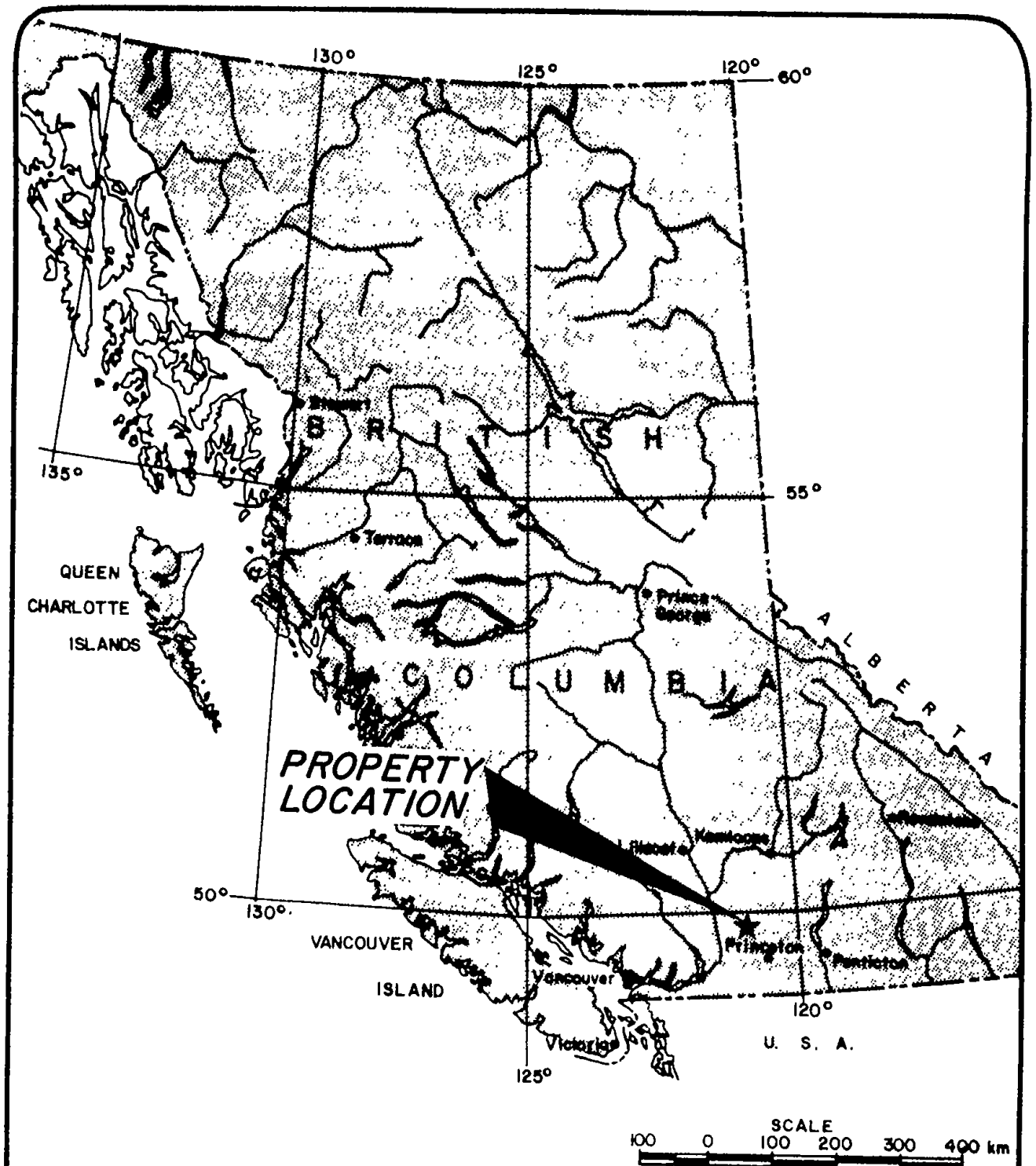
Work consisting of reconnaissance scale geological mapping and geochemical prospecting was performed by Strato Geological Engineering Ltd. personnel during the period June 17-23, 1988.

This report presents the results of the survey work and a literature research of the area.

### 1.1 Location and Access

The Matheny I Mineral Claim is situated 11 kilometers northwest of Tulameen. Tulameen is about 26 kilometers by road from Princeton, British Columbia (Figure 1). The claim is accessible by gravel road from Tulameen, a distance of 15 kilometers (Figure 2) and from the Coquihalla Highway, a distance of approximately 25 kilometers along the Tulameen and Britton Creek logging roads.

The claim lies on the western slopes of Mount Spearing with elevations ranging from 1130 meters above sea level at the legal corner post to 1525 meters above sea level near the northeast corner of the property. Drainage is westward to Lawless Creek.



**FIGURE 1**  
**BORDEAUX RESOURCES LTD.**  
 MATHENY MINERAL CLAIM  
 SIMILKAMEEN M.D. — N.T.S. 92 H/10

**LOCATION MAP**

JULY, 1988

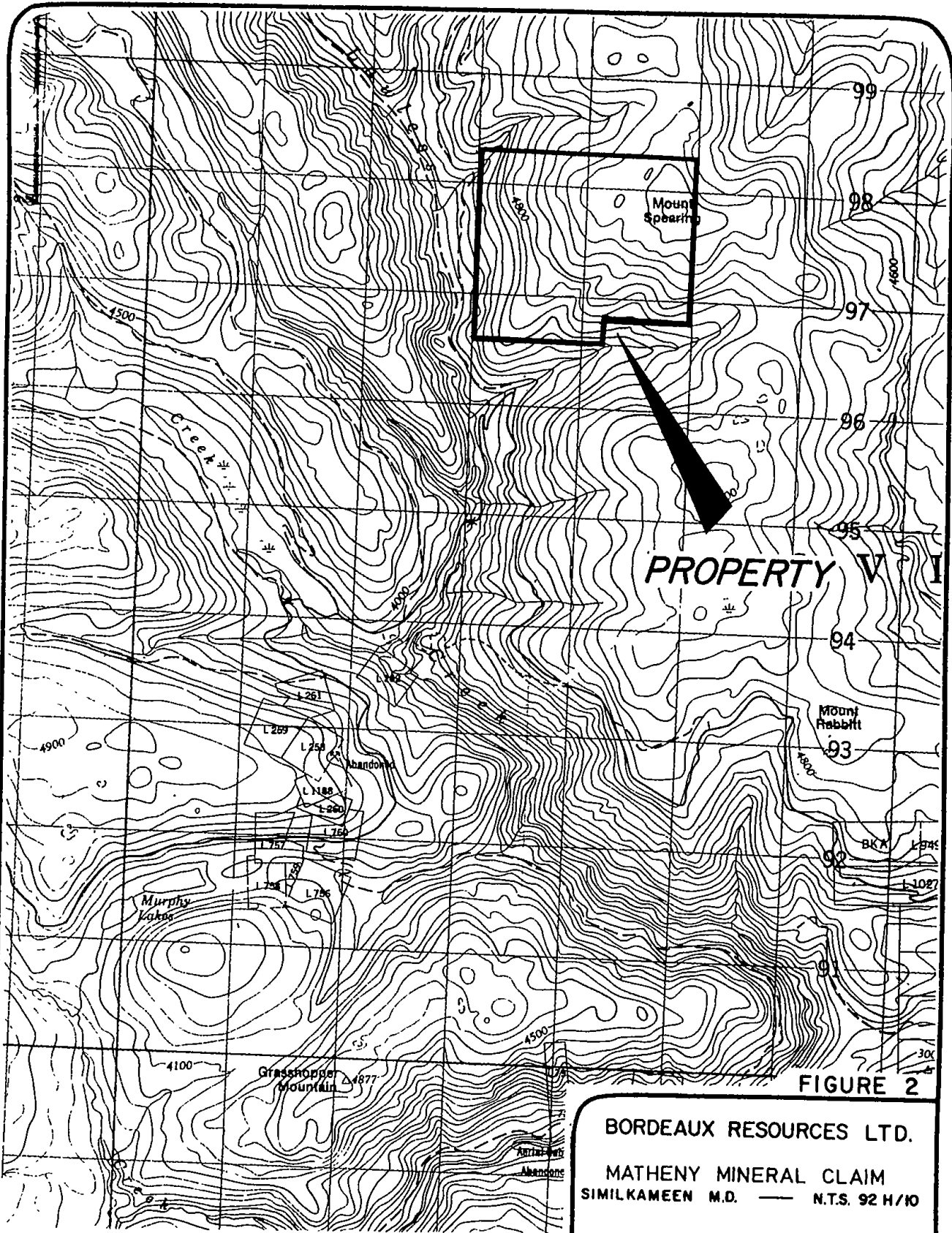


FIGURE 2

BORDEAUX RESOURCES LTD.  
 MATHENY MINERAL CLAIM  
 SIMILKAMEEN M.D. — N.T.S. 92 H/10

TOPOGRAPHIC MAP

SCALE 1:50,000  
 0 500 1000 2000 3000 METRES

JULY 1988





## 1.2 Claim Descriptions

The Matheny I mineral claim is situated in the Similkameen Mining Division, approximately 11 kilometers northwest of Tulameen, British Columbia.

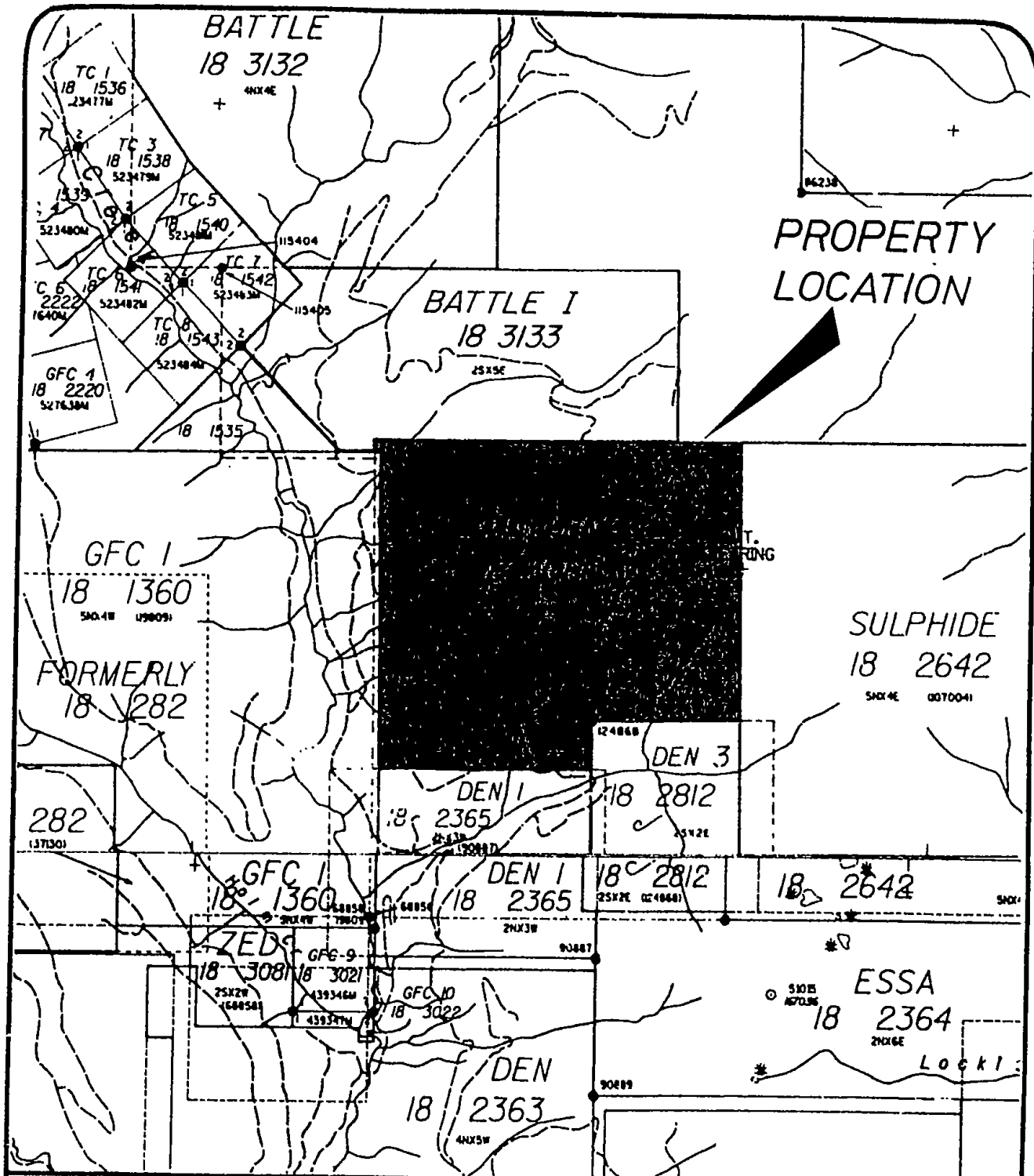
The claim is a re-staking of the Matheny 1 claim, record number recorded as follows:

<u>Name</u>	<u>Units</u>	<u>Record No.</u>	<u>Record Date</u>
Matheny I	20	3080	Dec. 22, 1987

Assessment work is to be filed, this report being a part of that work to maintain the claims in good standing until December 22, 1990.

The claim is shown on British Columbia Ministry of Energy, Mines and Petroleum Resources Mineral Claim Map NTS 92H/10W.

The Matheny I mineral claim does not contain a full 20 units as it appears to overlap the Den I and Essa I mineral claims in the southern property area (Figure 3).

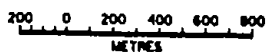


After:

DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
VICTORIA B. C.

MINERAL CLAIM MAP 92H.066

SCALE 1:31 680



**FIGURE 3**

**BORDEAUX RESOURCES LTD.**  
MATHENY MINERAL CLAIM  
SIMILKAMEEN M.D. — N.T.S. 92 H/10

**CLAIM MAP**

JULY, 1988



## 2. HISTORY

Mining development has occurred in the claim area on the former Bonanza Queen and Nevada crown grants, the Rabbitt Mine, the Old Glory Group and the Sunrise and Lawless Camps.

Quartz veins with a general northerly strike and a steep dip occur in association with shear zones within Nicola Group volcanic rocks. Several small massive sulphide deposits have been explored in the Lawless Camp, located about 2 kilometers south of the claim.

Quartz veins, composed of glassy quartz and brecciated carbonated wall rock, vary in width from a few centimeters to 2 meters. The veins carry free gold, an undetermined telluride mineral, chalcopyrite, pyrite, galena, and sphalerite.

In 1984, Strato Geological Engineering Ltd. completed a reconnaissance geological and geochemical survey over the Matheny I Mineral Claim. The reconnaissance geological mapping revealed that this claim is underlain by volcanic rocks of the Nicola Group. Soils geochemistry indicated areas anomalous in gold, copper and zinc.

In 1986, Strato Geological Engineering Ltd. completed a regional geological survey over this area and examined the regional geological setting of the property.

### **3. GEOLOGY**

#### **3.1 Regional Geology**

The Lawless Creek area is underlain by volcanic and subordinate sedimentary rocks of the Nicola Group, ultramafic to felsic rocks of the Lodestone Intrusions, intrusive phases of the Coast Intrusions (Eagle granodiorite), and intrusive phases of the Otter Intrusions (Red granite) (Rice, 1960).

The majority of the Nicola Group rocks in the area have not been closely identified and have been termed greenstones. Possibly andesitic in composition, they include lavas, flow breccias, pyroclastics, greywacke, and mixed pyroclastics and greywacke. Interbedded with the greenstones are bands of dacite, rhyolite, fine grained dark sediments, sedimentary schists, limestone and minor conglomerate.

The Lodestone Intrusions include pyroxene syenite, pyroxenite, peridotite, dunite, diorite, gabbro, and feldspar porphyry. The intrusions occur as dykes and stocks in the southern Lawless Creek area and on the south slopes of Grasshopper Mountain.

The Eagle granodiorite underlies a large area on the west slopes of Grasshopper Mountain. The principal minerals are quartz, feldspar, and biotite. The rock is slightly gneissic, coarse grained, and is mottled white and black.

A stock of red granite intrudes the Nicola rocks in a hill east of Lawless Creek and just south of the claim area. The rock is massive, medium grained, and consists of pink to red orthoclase, green saussurited plagioclase, quartz and subordinate hornblende.

#### **3.2 Property Geology**

The Matheny I Mineral Claim is underlain by Nicola Group volcanics consisting of andesitic flows and tuffs, and alkali feldspar trachytes. The rocks trend north-northwest and display variable dips.



PROPERTY LOCATION

- LEGEND**
- |                          |                                  |
|--------------------------|----------------------------------|
| 18 Basalt                | 4 Peridotite, pyroxenite, gabbro |
| 16, 17 Princeton Group   | 3 Nicola Group                   |
| 14 Otter Intrusions      |                                  |
| 12a-b Kingsvale Group    |                                  |
| 10 Spence Bridge Group   |                                  |
| 8 Copper Mt Intrusions   |                                  |
| 5, 6, 7 Coast Intrusions |                                  |

FIGURE 4

MATHENY 1

REGIONAL GEOLOGY



NOVEMBER 5 1984



After H.M.A RICE, 1944

Geological mapping was carried out over the northwest area of the mineral claim and a contact between the andesite tuffs and flows and the alkali feldspar trachyte, both of the Nicola Group, has been located in this area.

The andesite flows and tuffs are present in the eastern and western areas of the property. The rocks are grey-green and weather to a buff-grey color. Both porphyritic and aphanitic flows are present. Some carbonization and silicification has occurred.

The rocks of felsic composition outcrop in the east-central claim area and are postulated to lie in a band trending north-northwesterly through the claim. These rocks display a pink fresh surface which weathers pinkish-brown and contains abundant phenocrysts of feldspar, generally 2mm in size, set in a pink, fine grained ground mass.

### 3.3 Geochemical Results

A total of 80 soil samples were collected from the Matheny I Mineral Claim. Samples were collected at 15 to 30cm depths from the "B-horizon" soils and were analyzed for copper, lead, zinc, silver and arsenic by the Inductive Coupled Plasma (ICP) method and for gold by the Atomic Absorption (AA) method.

Although the number of samples collected is too small to warrant a full statistical analysis, it can be seen from the assay results (Appendix A) that some anomalous values are present:

L0	9+00E	191 ppm Cu
L2	0+00E	122 ppm Zn
L1	10+00E	36 ppb Au

No coincident base metal-precious metal anomalies or trends have been identified. The isolated anomalous values that have been located are not considered to identify any significant mineral targets within the survey grid area. Previous work in the Lawless Creek area has however shown that isolated gold anomalies do warrant follow-up testing.

#### 4. CONCLUSIONS AND RECOMMENDATIONS

The Matheny I Mineral Claim is underlain by volcanic rocks of the Nicola Group. Gold mineralization in the area is known to occur in quartz veins associated with shear zones within Nicola Group volcanics. Soils geochemistry has outlined some weak anomalous values in copper, zinc, and gold.

In order to characterized the entire property, the balance of the Matheny I Mineral Claim area should be surveyed on the systematic grid basis. This work should include geological mapping and soils geochemistry. Due to heavy till cover in many areas the use of an auger should be considered to obtain soil samples at depth.

Contigent upon the results of the above, geophysical methods and detail grid geochemical surveys will be required to define mineral targets for further exploration.

Respectfully submitted,  
Strato Geological Engineering Ltd.

*Mary Anne Orman*  
M.A. Orman  
Geologist

July 22, 1988

## 5. REFERENCES

DiSpirito, F. (March 20, 1986)

Report on the Methany I Mineral Claim and the Rambler Claim Group, Similkameen Mining Division, Tulameen, British Columbia; unpublished report prepared for Bordeaux Resources Ltd.

Rice, H.M.A. (1960)

Geology and Mineral Deposits of the Princeton May Area, B.C.; Geological Survey of Canada, Memoir 243.

Tully, D.W. (1983)

Report on the Gold Mount, Gail Gold, Weldonna, Bonanza Gold, Ace, Gold Creek and Former Bonanza Queen-Nevada Mineral Claim Group, Grasshopper Mountain-Tulameen River Area; Don Tully Engineering Ltd., West Vancouver, British Columbia.



**6. CERTIFICATE**

I, Mary Anne Orman, of Vancouver, British Columbia, Canada, do hereby certify that:

1. I am a geologist, employed by Strato Geological Engineering Ltd. of 3566 King George Highway, Surrey, B.C.
2. I completed a Bachelor of Science program in Geology at Saint Marys University, Halifax, Nova Scotia, 1985.
3. Since leaving university I have practised my profession in eastern, western and northern Canada.
4. I have no direct, indirect or contingent interest, nor do I expect to receive any such interest, in the securities or properties of Bordeaux Resources Ltd.

DATED at Surrey, British Columbia this 22nd day of July, 1988.

*Mary Anne Orman*  
Mary Anne Orman

**APPENDIX 1:**  
**Geochemical Analysis Results**

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: JUN 27, 1988

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED:

*July 4/88...*

**GEOCHEMICAL ANALYSIS CERTIFICATE**

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: SOIL AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

ASSAYER: *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

STRATO GEOLOGICAL LTD. PROJECT-MAT File # 88-2279 Page 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
LO 0+00E	25	16	68	.2	4	1
LO 0+50E	20	14	62	.2	2	1
LO 1+00E	36	12	70	.3	4	2
LO 1+50E	39	18	102	.4	6	1
LO 2+00E	23	15	87	.3	3	1
LO 2+50E	12	19	101	.1	2	1
LO 3+00E	8	17	54	.1	3	1
LO 3+50E	33	14	85	.3	2	1
LO 4+00E	31	11	75	.3	3	1
LO 4+50E	44	16	80	.4	4	1
LO 5+00E	41	16	89	.4	2	2
LO 5+50E	82	16	77	.9	2	1
LO 6+00E	27	13	78	.3	3	1
LO 6+50E	24	15	74	.3	2	2
LO 7+00E	48	16	79	.6	2	2
LO 7+50E	31	16	76	.2	2	1
LO 8+00E	30	17	84	.3	2	1
LO 8+50E	31	14	84	.2	2	3
LO 9+00E	191	17	101	.5	2	1
L1 0+50E	45	17	56	.6	2	1
L1 1+00E	35	12	62	.4	4	1
L1 1+50E	27	15	83	.3	5	2
L1 2+00E	33	17	86	.2	9	1
L1 2+50E	31	19	99	.2	8	1
L1 3+00E	44	20	98	.5	6	1
L1 3+50E	54	18	86	.4	3	2
L1 4+00E	54	16	89	.4	2	1
L1 4+50E	64	13	76	.5	3	2
L1 5+00E	32	13	66	.2	5	1
L1 5+50E	46	13	88	.3	12	1
L1 6+00E	18	12	66	.2	2	1
L1 6+50E	32	12	80	.2	5	2
L1 7+00E	21	14	80	.3	2	1
L1 7+50E	54	12	68	.5	2	1
L1 8+00E	34	13	73	.2	2	2
L1 8+50E	55	18	82	.3	3	2
STD C/AU-S	58	39	132	6.9	39	52

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
L1 9+00E	49	15	63	.2	2	2
L1 9+50E	25	11	67	.1	2	2
L1 10+00E	23	25	72	.1	2	36
L1A 0+00E	33	12	51	.3	2	3
L1A 0+50E	26	13	76	.3	2	1
L1A 1+00E	29	13	73	.2	4	2
L1A 1+50E	24	9	62	.2	4	3
L1A 2+00E	50	16	78	.9	2	2
L1A 2+50E	36	14	85	.2	2	1
L1A 3+00E	50	14	70	.6	2	1
L1A 3+50E	34	16	70	.2	3	1
L1A 4+00E	50	11	55	.6	3	1
L1A 4+50E	40	13	76	.3	2	1
L1A 5+00E	24	14	61	.5	2	2
L1A 5+50E	62	14	63	.5	2	4
L1A 6+00E	42	15	78	.7	3	2
L1A 6+50E	24	13	72	.3	2	2
L1A 7+00E	85	13	75	.5	2	1
L1A 7+50E	33	11	64	.2	5	1
L1A 8+00E	29	12	70	.2	3	1
L1A 8+50E	37	12	67	.1	2	1
L1A 9+00E	33	13	81	.3	2	2
L2 0+00	18	44	122	.2	2	1
L2 0+50	12	15	56	.1	2	1
L2 1+00	30	15	65	.3	4	1
L2 1+50	39	14	71	.2	6	1
L2 2+00	35	13	84	.4	4	1
L2 2+50	38	13	83	.2	6	1
L2 3+00	29	13	78	.2	2	1
L2 3+50	38	12	60	.3	2	1
L2 4+00	32	13	66	.1	4	1
L2 4+50	20	10	58	.1	3	1
L2 5+00	13	12	65	.1	4	2
L2 5+50	32	11	72	.3	4	1
L2 6+00	25	13	63	.2	2	1
L2 6+50	19	11	59	.1	2	1
STD C/AU-S	58	39	132	6.8	42	53

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
L2 7+00	47	13	82	.1	3	1
L2 7+50	66	15	67	.1	6	1
L2 8+00	47	15	64	.1	11	2
L2 8+50	16	12	78	.1	2	1
L2 9+00	16	12	79	.1	5	2
L2 9+50	33	16	80	.1	2	1
L2 10+00	34	13	66	.1	4	1
STD C/AU-S	58	39	132	7.0	42	53

**APPENDIX 2**  
**Geology and Soil Geochemistry Results**



LOG NO: 1122	RD.
ACTION:	
FILE NO:	

**TIME-COST DISTRIBUTION**

Field work was carried out during the period July 4 to July 8, 1988.

A listing of personnel and distribution of costs is as follows:

Personnel

M. Blank	Geologist
M. Orman	Geologist

Cost Distribution

Labour (6 mandays)	\$1,350.00
Geochemical analysis	895.00
Data processing, drafting, etc. and report	<u>1,563.00</u>
<b>TOTAL</b>	<b><u>\$3,808.00</u></b>

Signed H. Heis  
 Strato Geological Engineering Ltd.