

87-116-15875  
01/88

**SILVER SCEPTRE RESOURCES LIMITED**

**Geological, Geochemical and Geophysical Report**

on the

**MARY CLAIMS**

Cariboo Mining Division

NTS 93G 1 E/W; 8 E/W

March 1987

**Claims**

Claim Name	Units	Record No.	Anniversary
Mary 1	20	7345	February 19
Mary 2	12	7346	February 19
Mary 3	20	7347	February 19
Mary 4	16	7348	February 19
Mary 5	20	7349	February 19
Mary 6	20	7350	February 19
Mary 7	12	7351	February 19
Mary 8	20	7352	February 19
Mary 9	12	7353	February 19
Mary 10	20	7354	February 19
Mary 11	20	7355	February 19
Mary 12	20	7356	February 19
Mary 13	12	7357	February 19
Mary 14	20	7358	February 19
Mary 15	6	7359	February 19
Mary 16	12	7360	February 19
Mary 17FR	1	7361	February 19

FILMED

**Location:** 53°15' N. Lat., 122°15' W. Long.

**Owner:** Silver Sceptre Resources Limited

**Operator:** Silver Sceptre Resources Limited

**Geologists:** L. Holmgren, B.Sc.  
J. Kowalchuk, B.Sc.

15,875

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

## SUMMARY

Silver Sceptre Resources Ltd. holds 17 claims, totalling 263 units, in the Cottonwood Area, north east of Quesnel in the historic Cariboo Gold Camp. The property lies 6 km north of Cottonwood House, an historic village on the Quesnel-Barkerville Highway. Access to the property is by four wheel drive road either from Cottonwood House to the south or from Ahbau Crossing to the north. The central part of the property is only accessible by helicopter.

The claims were located in 1986, as a result of the announced discovery by Gabriel Resources Inc. of gold bearing stratabound massive sulphide mineralization along Ahbau Creek; as well as, the announced discovery, by Pundata Gold Mines Ltd. and Mastt Resources Ltd. of visible gold in drill holes along Mary Creek, just south of the property. The property straddles a favourable regional structure, thought by government geologists (Struick 1986), to be responsible for the location of the Cariboo "Motherlode".

A heavy mineral study of panned stream sediments located several anomalous areas which suggested possible gold mineralization. A ground magnetic and VLF EM survey, showed a coincidence between anomalous heavy minerals with two circular magnetic anomalies.

Geological mapping, soil geochemistry, and more ground geophysics are required on the property to define targets for more sophisticated geophysics and possible drilling.

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## 1. INTRODUCTION

### 1.1 General

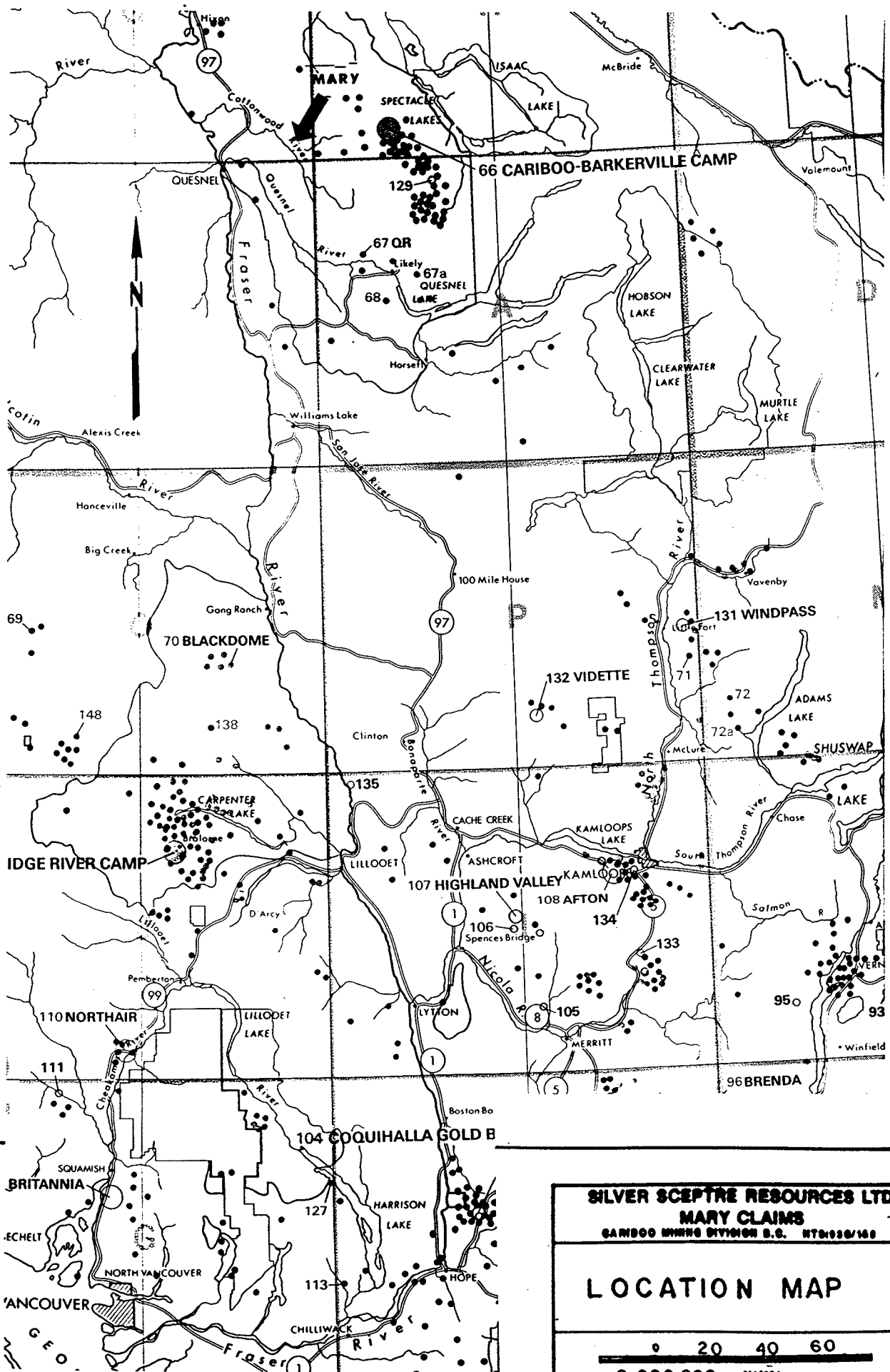
A two week program of heavy mineral stream geochemistry and geophysics (VLF-Em and magnetometer) were carried out over the main block of claims on the Mary Property. These surveys were carried out over a grid on the property, designed to locate and further define zones of potential gold mineralization on the property.

Field work was under the supervision of J.M. Kowalchuk, J.M.K. Consulting.

### 1.2 Location and Access

The Mary Claims are located 6 km north of Cottonwood House about 12 km east of Quesnel. The property lies within N.T.S. Map sheets 93G 1 and 93G 8 (Fig.1).

Access to The southern edge of the property is by four wheel drive road, 8 km from the Bellos Lake turnoff on Highway 97. Access to the northern end of the property is by a dry weather road from the Ahbau Lake turnoff, 12 km to Genevieve Lake. Access to the rest of the property is by helicopter from Quesnel.



**SILVER SCEPTRE RESOURCES LTD.**  
**MARY CLAIMS**  
 CARIBOO MINING DIVISION S.C. NTM038/160

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**LOCATION MAP**

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0 20 40 60  
 2,000,000 Metres

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BY: JMK, L.H./rw  
 DATE: MAR 87

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PAGE: 1

### 1.3 Claim Information

The Mary Property consists of 17 Modified Grid Mineral Claims totalling 263 units. The claims are not contiguous, lying in three separate blocks. This report concentrates on the largest block comprising 13 claims (Fig. 2).

Claim information is listed below:

#### Claims

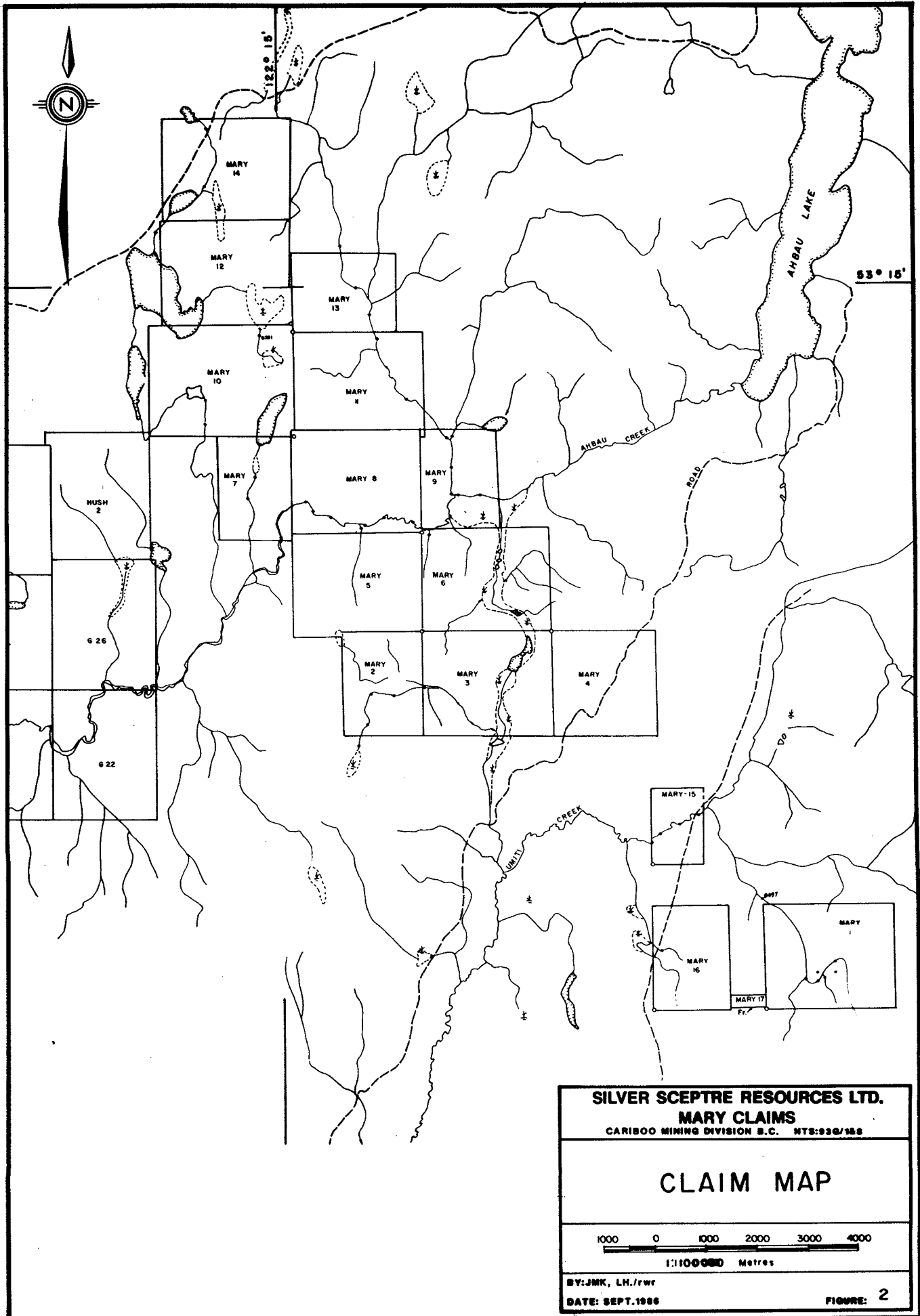
Claim Name	Units	Record No.	Anniversary
Mary 1	20	7345	February 19
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Mary 13	12	7357	February 19
Mary 14	20	7358	February 19
Mary 15	6	7359	February 19
Mary 16	12	7360	February 19
Mary 17FR	1	7361	February 19

The claims are wholly owned by Silver Sceptre Resources Ltd. of Vancouver, B.C.

### 1.4 Topography and Vegetation

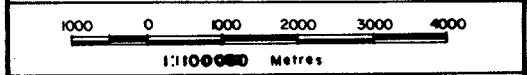
The Mary Property is located within the Interior Plateau where the topography is generally flat with deeply incised valleys. Elevations range from 600 m to 1100 m. Topography steepens down into Ahbau Creek and Umiti Creek valleys.

The property is extensively tree covered, with mature forests of pine, fir and spruce. There is little under growth and the forest is relatively open.



**SILVER SCEPTRE RESOURCES LTD.**  
**MARY CLAIMS**  
 CARIBOO MINING DIVISION B.C. NTS:936/188

**CLAIM MAP**



BY: JMK, LM./rwr  
 DATE: SEPT. 1986

## 1.5 History

The earliest work done in the area of the Mary claims was directed to placer gold and most of the major creeks in the area have been worked by placer operations.

Gold bearing quartz veins found along Hixon Creek have been sporadically explored since the early 1900's. Limited production in the 1930's included 2,250 tons yielding 206 ounces gold and 224 ounces silver. In more recent years, exploration for porphyry copper and molybdenum has been conducted within and adjacent to some of the granitic intrusions in the vicinity of the claims.

Exploration for massive sulphide mineralization was carried out by Cariboo Minelands Ltd. (later Equatorial Resources Ltd.) in 1968 and 1969 in an area north of Ahbau Creek now covered by the Ahbau property of Gabriel Resources Inc. Work done included bulldozer trenching, drill holes totalling 3,000 feet. Texas Gulf Sulphur Company acquired the property in 1971, and completed geological mapping, magnetic and electromagnetic surveys, and soil geochemistry prior to relinquishing the option. In 1972, Equatorial Resources Ltd. drilled five percussion holes totalling 1,530 feet.

In 1980, the A.T. Syndicate conducted a reconnaissance heavy mineral concentrate program of major drainages of the Fraser River between Prince George and Quesnel. Results of this survey led to the staking of several properties, which were optioned to Gabriel Resources Inc. in 1981.

Gabriel Resources Inc. has since carried out additional heavy mineral concentrate sampling, soil and rock geochemistry, VLF-Em and magnetometer surveys, geological mapping, backhoe trenching and an airborne INPUT Em and magnetic survey over all the claims.

The discovery of coarse grained placer gold, by Terry Toop, at the confluence of Mary and Norton Creeks, raised a significant interest in this area.

Exploration in the area south of the Mary property by Pundata Gold Corporation (formerly Mary Creek Resources Corp.) and the release of anomalous gold assay values led to great interest in the area, resulting in a staking rush in the winter of 1985-1986.

Field work in 1986 consisted of heavy mineral stream sediment sampling, and geophysical surveys (VLF-Em and magnetometer).

## 2. GEOLOGY

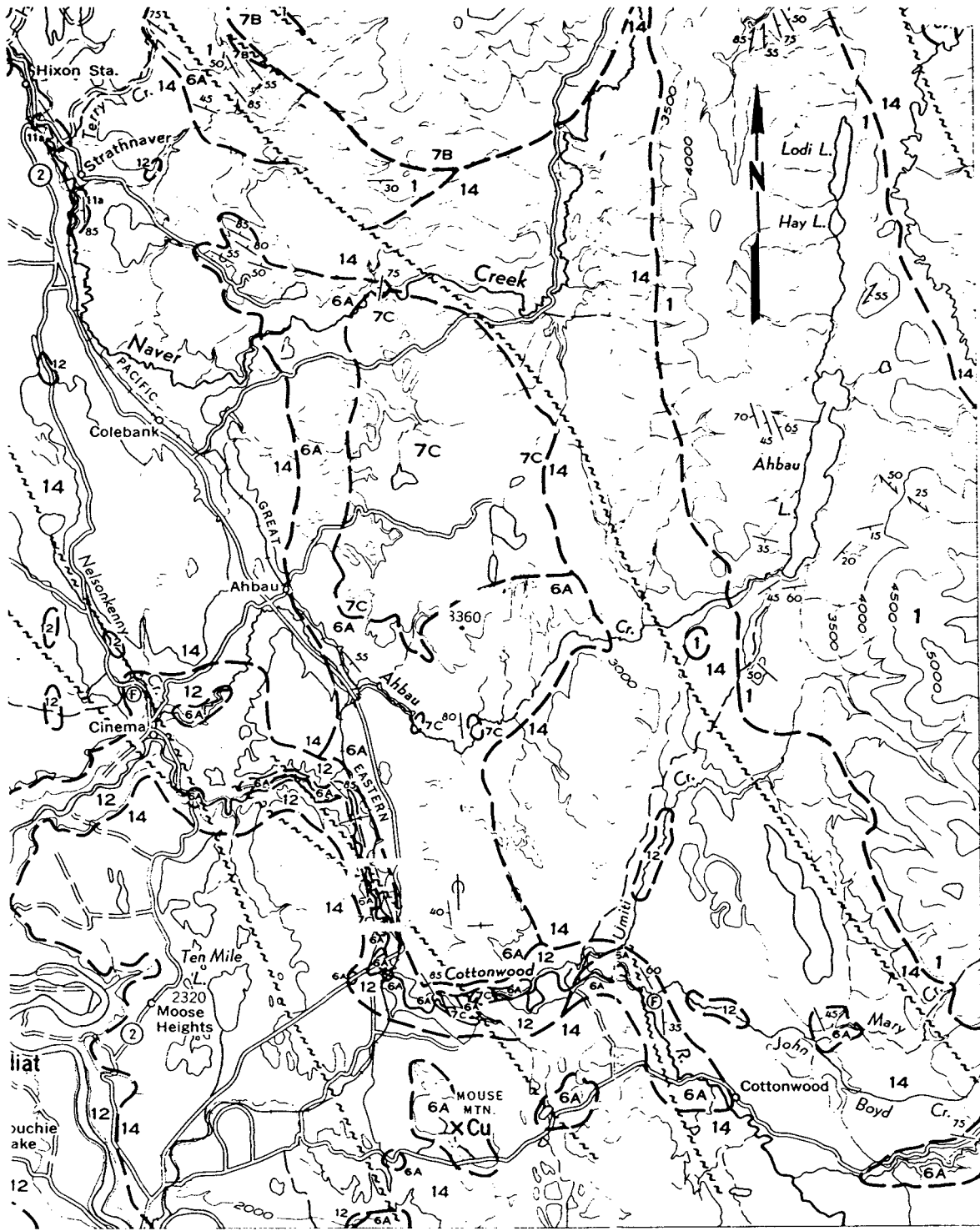
### 2.1 Regional Geology

The Mary claims are located within the Quesnel Trough, a subdivision of the Intermontane Tectonic Belt. The Quesnel Trough trends northwest from Kamloops to north-central British Columbia, and is comprised primarily of late Triassic-early Jurassic Takla Group basic to intermediate volcanic flows and pyroclastic rocks, and argillaceous sedimentary rocks.

Mapping by the Geological Survey of Canada (Map 49-1960) shows the Mary property to be covered by Quaternary Till and Clay. What bedrock that is exposed, occurs in creek valleys and in the Ahbau Highland area. This exposure consists of Upper Triassic, Takla Group, porphyritic andesite and breccia. A major thrust fault cut across the eastern edge of the property. Struick (1982) refers to this fault as the Eureka Thrust, which continues all the way from Horsefly and separates the Quesnel Terrane from the much older Barkerville and Slide Mountain Terranes (Figure 3).

### 2.2 Property Geology

Extensive overburden covers much of the property. No systematic geological mapping was performed by Silver Sceptre in 1986, however the following observations were made during heavy mineral sampling and geophysical surveys. Upper parts of the Ahbau block are underlain by porphyritic andesite and pyroclastics of the Takla Group. Outcrop on Mary 1 consisted of black argillites, possibly the basal section of the Takla volcanics and sediments.



30° QUESNEL R. 15° 53°00' 122°00'

**LEGEND**

- QUATERNARY  
PLEISTOCENE AND RECENT**
- 14 Till, gravel, sand, clay, and silt
- MIOCENE (?)**
- 12 Conglomerate, sandstone, mudstone, lignite, and diatomite
- LOWER JURASSIC AND (?) LATER**
- 7 7A. TOPLEY INTRUSIONS: granodiorite, quartz diorite, diorite, biotite granite
  - 7B. Quartz monzonite, monzonite, and granite; minor diorite
  - 7C. Granodiorite, diorite, granite, minor gabbro
- TRIASSIC AND JURASSIC  
UPPER TRIASSIC (?) AND LOWER JURASSIC (?)**
- 6 6A. Eastern group: argillite, greywacke, green, grey, black, purple andesite and basalt and related tuffs and breccias; minor conglomerate and limestone

- CAMBRIAN AND/OR LATER  
LOWER CAMBRIAN AND/OR LATER  
CARIBOO GROUP**
- 1 Grey micaceous quartzite, black argillite; minor grey limestone

**SILVER SCEPTRE RESOURCES LTD.**  
**MARY CLAIMS**  
 CARIBOO MINING DIVISION S.C. NTS:226/168

**GEOLOGY MAP**

0 5 10km  
 1:250,000 Metres

BY: JMK, LM/rww  
 DATE: MAR 87

FIGURE 3

### 3 HEAVY MINERAL SURVEYS and GEOCHEMISTRY

#### 3.1 GENERAL

A total of 47 panned stream sediment samples were sent in for heavy mineral separation and analysis. The heavy mineral concentrates were analysed for gold plus 30 element ICP (induced coupled plasma spectroscopy).

As well as taking panned samples, the creek beds were prospected and 6 silt and 2 rock samples were taken.

#### 3.2 SAMPLING AND ANALYTICAL TECHNIQUES

Samples were taken every 500 metres along major drainages, and at the junctions of all minor drainages, wherever sufficient gravels were present in the creek beds. Approximately 7 large pans of gravel were washed to produce one kilogram samples of field concentrate. These samples were sent to Chemex Labs Ltd., in North Vancouver, B.C., where they were further processed with heavy liquids, to give a final concentrate for analysis.

The laboratory heavy mineral concentrates were pulverized to -200 mesh and a 0.5 gm sample of this fraction was digested in nitric acid aqua regia, followed by ICP analysis. A 10 gm sample of the pulverized concentrate was roasted by fire assay and the precious metal bead was dissolved and analysed for gold by atomic absorption.

Silt samples were sieved to -80 mesh, dissolved in aqua regia and analysed by atomic absorption, for gold and ICP for 30 other elements.

The rock samples consisted of grab samples of rusty outcrop material, which were sent to the lab for analysis. These rocks were crushed and pulverized to -200 mesh and analysed for gold and 30 element ICP.

#### 3.3 PRESENTATION AND DISCUSSION OF RESULTS

The heavy mineral sample location map and gold geochemical results are shown on Figures 4 and 5. A complete set of analyses are located in Appendix A. Silt sample and rock sample locations are also plotted on Figure 4. The results are located in Appendix A. They are not plotted on any maps.

The heavy mineral sample analyses range from below detection to 7600 ppb gold. Except for sample #8495 and 8496, which are anomalous in copper, iron, lead and zinc, the heavy minerals are uniformly low in all other metals. Samples greater than 1000 ppb gold follow along the trace of the Eureka Thrust Fault suggesting that this might be significant in the location of precious metal mineralization. Anomalous samples occur in Mary 15, Mary 14, Mary 11, Mary 9 and weakly in Mary 1. This fault zone appears important in the location of gold mineralization. The highest gold values appear to circle a small

circular airborne magnetic anomaly, which may represent a small monzonite intrusive.

Stream sediment samples and rock sample results are generally very low. Sample SS-2 was anomalous in gold, arsenic, copper, iron, lead and zinc. This sample was taken near heavy mineral sample #8495, which was also anomalous in several elements.

## **4. GEOPHYSICAL SURVEYS**

### **4.1 Grid Control**

The ground control for the geophysical survey was established by means of 20 compass and flagged lines turned off at 200 meter intervals from the flagged and blazed southern claim line of Mary 8 and Mary 7. The baseline, which trends E/W extended west from line 0, at the southeast corner of Mary 8 to line 38W, at the southwest corner of Mary 7. Traverse lines were hipchained from 5S to 10N with stations marked every 25 meters with orange flagging. A total of twenty seven line kilometers of both VLF-Em and magnetometer data were obtained.

### **4.2 Magnetometer Survey**

#### **4.2.1 Instrument and Survey Techniques**

The magnetometer survey was carried out over the entire grid using a GEM Systems Model GSM-8 Magnetometer. Readings were taken facing north every 25 meters along the survey line. The raw data was corrected by tying in each line to establish and correct points along the baseline. Each loop was generally completed within one hour, and the raw data obtained within the loop was corrected for diurnal variations using a plot of the change of the established readings against time.

#### **4.2.2 Presentation of Results**

The corrected readings are shown on Figure 6 and Figure 7. The magnetics over the grid show some very distinct geological features. The magnetic response ranges from 57,800 gammas to 59,200 gammas. A circular magnetic high occurs, centred on line 26W-7N. This response is similar to that representing small monzonite bodies, which outcrop 10 kilometers to the west. These bodies, located on claims held by Gabriel Resources Inc, are thought to be instrumental in the location of precious metal, massive sulphide veins. Along the base line, at line 20 W, a small irregular magnetic high occurs. Magnetically flat terrain, in the south east part of the grid, may represent thick overburden.

The very high gold analyses in heavy mineral samples, were located on streams draining the area of the large magnetic high on line 24 W.

### **4.3 VLF-Em Survey**

#### **4.3.1 Instrument and Survey Techniques**

The VLF-Em survey was conducted using a Geonics Em-16 unit. The entire grid was surveyed using the submarine transmitting station in Annapolis, Maryland (Station NSS, 21.4 kHz). In-phase and quadrature readings were taken in a southerly direction (190°). The

in-phase readings were later reduced and contoured by use of the Fraser Filtering technique (Fraser, 1959).


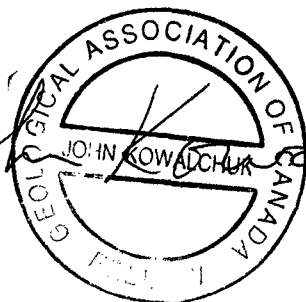
#### **4.3.2 Presentation of Results**

The results of the VLF-Em survey are plotted on **Figures 8 and 9**. Two parallel conductors occur north of the base line between lines 2W and 20 W. These conductors bracket the incised Ahbau Creek valley and are probably the result of topographic effects. No other significant EM features are present.

## 5. CONCLUSIONS AND RECOMMENDATIONS

Heavy mineral stream sediment sampling suggests a strong relationship between the Eureka Thrust Fault and possible gold mineralization. Ground geophysical and geochemical surveys along the supposed trace of this fault, should be performed to confirm or disprove this relationship.

A limited magnetic and VLF EM survey has mapped one and possibly two small monzonite intrusive bodies. The highest heavy mineral results also occur in streams draining these bodies. Exploration on the adjacent Gabriel Resources property has discovered a strong correlation between massive sulphide, precious metal mineralization and small monzonite intrusives. These surveys should be expanded to cover the complete area of influence of these intrusives. This area should be mapped geologically in order to confirm the presence of intrusive rock, as well as, locate possible structural traps for gold mineralization. Soil geochemistry should work well in this area, since overburden is quite thin, with lots of rock exposure. A soil survey would be very useful. If suitable target areas are found, an IP survey will locate any concentrations of sulphides.

## 6.0 COST STATEMENT

SILVER SCEPTRE MARY CLAIMS  
5 MAY 1986 - 23 JANUARY 1987

## GENERAL COSTS

FOOD & ACCOMMODATION: 75 MAN DAYS @ \$21.17		\$ 1,587.43
SHIPMENTS		29.75
SUPPLIES		623.50
FIXED WING CP AIR PGEO-VCR 1		149.60
HELICOPTER NORTHERN MOUNTAIN 206B 10 JULY - 7 SEP. 10 HRS. @ \$522		5,220.00
FUEL		293.07
RENTALS		
GABRIEL 4WD BRONCO, 5 DAYS @ \$43	\$ 215.00	
KANGELD 4WD JEEP, 13 DAYS @ \$43	559.00	
GABRIEL FIELD EQUIPMENT 75 MAN DAYS @ \$6	450.00	1,224.00
		<hr/>
MAINTENANCE		832.77
CONSULTANT FEES		
ARCHEAN ENGINEERING LTD.		1,625.00
REPORT PREPARATION		3,476.54
EXPEDITING		500.00
TOTAL GENERAL COSTS		<hr/> <b>\$15,561.66</b> =====

## GEOLOGICAL MAPPING

SALARIES & WAGES 2 PERSONS, 4 MAN DAYS @ \$162.60	\$ 650.39
BENEFITS @ 5%	28.08
GENERAL COSTS APPORTIONED 4/75 X \$15,561.66	829.95
TOTAL GEOLOGY COST	<hr/> <b>\$ 1,508.42</b> =====

**GEOPHYSICAL SURVEY (GROUND MAG & EM)**

<b>SALARIES &amp; WAGES</b> 4 PERSONS, 26 MAN DAYS @ \$102.36		\$ 2,661.24
<b>BENEFITS @ 11%</b>		294.24
<b>RENTAL EQUIPMENT</b>		
CDN MINING GEOP., GSM-8 25 AUG-24 NOV.	\$ 696.67	
GALLANT EM-16 8 DAYS @ \$27	216.00	
KANGELD EM-16 8 DAYS @ \$27	216.00	1,128.67
		<hr/>
<b>GENERAL COSTS APPORTIONED</b>		
26/75 X \$15,561.66		5,394.71
		<hr/>
<b>TOTAL GEOPHYSICAL SURVEY COSTS</b>		<b>\$ 9,478.86</b>
		=====

**GEOPHYSICAL SURVEY (AIRBORNE)**

<b>AERODAT LIMITED, 16 JAN. - 23 JAN. 1987,</b>		
80 LKM @ \$75		\$ 6,000.00
		=====

**GEOCHEMICAL SURVEY**

<b>SALARIES &amp; WAGES:</b> 4 PERSONS, 23 MAN DAYS @ \$72.92		\$ 1,677.04
<b>BENEFITS @ 20%</b>		335.40
<b>ASSAYS &amp; ANALYSES - CHEMEX LABS</b>		
47 HMC FOR AU & 30-ELEMENT ICP @ \$27	\$ 1,269.00	
4 ROCK FOR AU, AG @ \$14.25	57.00	
2 ROCK FOR AU & 30-ELEMENT ICP @ \$15.75	31.50	
6 SOIL FOR AU & 30-ELEMENT ICP @ \$13.85	83.10	1,440.60
		<hr/>
<b>GENERAL COSTS APPORTIONED</b>		
23/75 X \$15,561.66		4,772.24
		<hr/>
<b>TOTAL GEOCHEMISTRY COST</b>		<b>\$ 8,225.28</b>
		=====

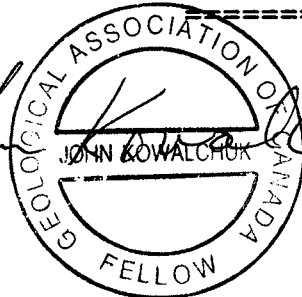
**LINE-CUTTING & FLAGGING**

<b>SALARIES &amp; WAGES: 4 PERSONS 22 MAN DAYS @ \$108.03</b>	<b>\$ 2,376.61</b>
<b>BENEFITS @ 10%</b>	<b>237.31</b>
<b>GENERAL COSTS APPORTIONED</b> 22/75 X \$15.561.66	<b>4,564.75</b>
<b>TOTAL LINE-CUTTING &amp; FLAGGING COST</b>	<b>\$ 7,178.67</b> =====

**COST SUMMARY**

GEOLOGICAL MAPPING	\$ 1,508.42
GEOPHYSICAL SURVEY-GROUND	9,478.86
GEOPHYSICAL SURVEY-AIRBORNE	6,000.00
GEOCHEMICAL SURVEY	8,225.28
LINE	7,178.67
	<u>\$32,391.23</u> =====

*John Kowalchuk*



## 7. BIBLIOGRAPHY

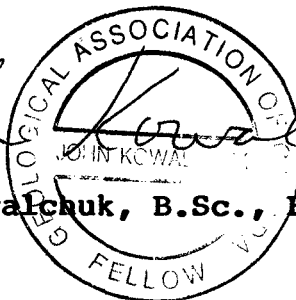
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- Troup, A., Freeze, J.C., Butterworth, B.P., 1985:** Report on Ahbau Creek Property, Cariboo Mining Division, Geology, Geophysics, Geochemistry, Private Report for Gabriel Resources Inc.

**8. STATEMENT OF QUALIFICATIONS****J.M. KOWALCHUK**

I, J.M. Kowalchuk, do hereby certify that:

1. I am a geologist and reside at 3086 Mariner Way, Coquitlam British Columbia.
2. I am a graduate of McMaster University in Hamilton, Ontario with a B.Sc. in Geology (1970)
3. I have practiced my profession continuously in British Columbia and across Canada since 1970.
4. I am a fellow of the Geological Association of Canada
5. I have personally supervised the 1986 program and take full responsibility for the results
6. To the best of my knowledge, the information as stated in this report is correct.

*John Kowalchuk*  
JOHN KOWALCHUK  
FELLOW



**John Kowalchuk, B.Sc., F.G.A.C.**

**STATEMENT OF QUALIFICATIONS**

**L.D. HOLMGREN**

**ACADEMIC:**

1982      B.Sc. Geology (Honours)                      University of B.C.

**PRACTICAL:**

May - August 1986	Hughes-Lang Group	Project Geologist, Quesnel area, B.C.
May - October 1986	Rio Algom Expl. Inc.	Geologist, Central and South Central, B.C.
May - September 1984 Southern B.C.	Rio Algom Expl. Inc.	Geologist,
May - September 1983	DuPont of Canada Expl	Geologist, Swift River, Y.T.
May - October 1982	DuPont of Canada Expl	Geologist, Newfoundland
June - August 1981	DuPont of Canada Expl	Senior Geological Assistant, North, ern B.C.
May - August 1980	DuPont of Canada Expl	Junior Geological Assistant, North- ern B.C. and the Yukon.

**Appendix A**



# Chemex Labs Ltd.

*-Analytical Chemists    -Geochemists    -Registered Assayers*

212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1

Phone: (604) 984-0221  
Telex: 043-52597

Box 99  
Hixon, BC V0K 1S0

Semi quantitative multi element ICP analysis

## CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

CERT. # : A8816883-001-A  
INVOICE # : I8816883  
DATE : 2-SEP-86  
P.O. # : NONE  
SILVER SCEPTRE/MARY

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :  
CC: J. KOWALCHUK ✓

Sample description	Au ppb EA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
SS-1	<5	1.16	0.4	<10	80	<0.5	<2	0.29	2.5	13	30	17	1.95	<10	0.06	10	0.27	1014	<1	<0.01	21	610	284	<10	19	0.07	<10	<10	29	<10	442	--
SS-2	15	2.77	0.8	40	360	<0.5	<2	0.99	3.5	32	72	39	6.23	10	0.12	40	0.70	9545	6	<0.01	172	1570	60	<10	57	0.04	<10	<10	34	<10	266	--
SS-3	<5	1.13	0.3	<10	80	<0.5	<2	0.30	<0.5	13	36	20	2.32	<10	0.12	20	0.44	621	<1	<0.01	26	410	22	<10	15	0.09	<10	<10	25	<10	72	--
SS-4	<5	0.87	0.4	<10	50	<0.5	<2	0.24	<0.5	8	34	15	1.72	<10	0.10	20	0.29	368	<1	<0.01	17	440	12	<10	13	0.07	<10	<10	28	<10	48	--
SS-5	15	1.13	0.3	<10	70	<0.5	<2	0.31	<0.5	10	56	14	2.01	<10	0.07	20	0.45	504	<1	<0.01	28	480	14	<10	19	0.08	<10	<10	32	<10	50	--
SS-6	<5	0.90	0.4	<10	60	<0.5	<2	0.27	<0.5	9	31	17	1.83	<10	0.06	20	0.29	319	<1	<0.01	20	430	8	<10	16	0.07	<10	<10	30	<10	42	--

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# Chemex Labs Ltd.

Analytical Chemists    Geochemists    Registered Assayers

212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada    V7J 2C1

Phone: (604) 984-0221  
Telex: 043-52597

Box 99  
Hixon, BC  
V0K 1C0

Semi quantitative multi element ICP analysis

## CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED  
1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
VEC 2W2

CERT. # : A8G16802-001-A  
INVOICE # : I8G16802  
DATE : 3-SEP-96  
P.O. # : NONE  
SILVERSCREPTRE/MARY

Nitric-Aqua-Regis digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS : ✓  
CC: J. KOWALCHUK

Sample description	Au ppb EA+AA	Al %	Ag ppb	As ppb	Ba ppb	Be ppb	Pb ppb	Ca %	Cd ppb	Co ppb	Cr ppb	Cu ppb	Fe %	Ga ppb	K %	La ppb	Mg %	Mn ppb	Mo ppb	Na %	Ni ppb	P ppb	Pb ppb	Sb ppb	Sr ppb	Tl %	Ti ppb	U ppb	V ppb	W ppb	Zn ppb	
8410	<5	1.73	0.2	<10	150	<0.5	<3	0.07	<0.5	4	256	17	3.48	<10	1.11	40	0.78	119	1	0.02	6	410	14	<10	10	0.17	<10	<10	20	<10	56	--
8411	<5	0.95	0.2	<10	70	<0.5	2	0.04	<0.5	4	227	8	1.84	<10	0.49	20	0.43	225	<1	0.01	7	260	10	<10	10	0.06	<10	<10	16	<10	12	--

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Phone: (604) 984-0221  
Telex: 043-52597

Box 99  
Hixon, BC V0K 1S0

Semi quantitative multi element ICP analysis

## CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED  
1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

CERT. # : A8E16884-001-A  
INVOICE # : I8616984  
DATE : 3-SEP-86  
P.O. # : NONE  
SILVER SCEPTRE/MARY

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Cs, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :  
CC: J. KOWALCHUK ✓

Sample description	Au ppt EA+AA	Al %	Ag ppt	As ppt	Ba ppt	Be ppt	Bi ppt	Ca %	Cd ppt	Co ppt	Cr ppt	Cu ppt	Fe %	Ga ppt	K %	La ppt	Mg %	Mn ppt	Mo ppt	Na %	Ni ppt	P ppt	Pb ppt	Sb ppt	Sr ppt	Ti %	Tl ppt	U ppt	V ppt	W ppt	Zn ppt	
8495	55	2.53	0.4	20	70	<0.5	<2	1.91	<0.5	28	300	60	10.25	<10	0.06	80	0.49	3256	2	0.02	55	1350	38	<10	76	0.32	<10	<10	100	<10	138	--
8496	<10	2.37	0.2	20	50	<0.5	<2	1.57	<0.5	13	260	23	6.27	10	0.06	80	0.38	4029	<1	0.01	24	1950	28	<10	36	0.22	20	<10	40	<10	60	--
8497	10	2.38	0.2	20	30	<0.5	<2	1.41	<0.5	30	271	36	9.04	<10	0.01	50	0.38	5067	1	0.01	37	800	24	<10	31	0.23	<10	<10	57	<10	74	--
8498	75	2.34	0.2	20	30	<0.5	<2	1.39	<0.5	24	144	40	8.61	<10	0.03	60	0.46	4285	1	0.01	37	1490	34	<10	29	0.25	10	<10	47	<10	74	--
8499	5400	1.38	0.4	20	30	<0.5	<2	1.34	<0.5	22	197	36	8.35	<10	0.03	70	0.47	4496	1	0.01	34	1160	36	<10	24	0.26	10	<10	46	<10	68	--
8500	430	1.98	0.2	20	30	<0.5	<2	1.19	<0.5	20	109	34	7.41	<10	0.03	60	0.43	3818	1	<0.01	32	1210	30	<10	22	0.22	10	<10	39	<10	64	--

HautBichler

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Telex: 043-52597

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Hixon BC V0K 1S0

Semi quantitative multi element ICP analysis

## CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6G 2W2

CERT. # : A8615603-001-A  
INVOICE # : 10015015  
DATE : 11-AUG-88  
P.O. # : NONE  
SILVER BOPITRE, MALY

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Co, La, Mg, K, Na, Sr, Ti, U and V can only be considered as semi-quantitative.

COMMENTS :  
CC: J.M. KOWALCHUK

Sample description	Ag ppb	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	
8609	<10	2.33	0.4	10	80	<0.5	<2	2.46	<0.5	8	440	13	3.34	20	0.03	90	0.55	124	<1	0.05	24	760	12	<10	116	0.47	<10	<10	89	<10	36
8610	<5	2.50	0.4	10	100	<0.5	6	2.34	<0.5	10	279	10	3.75	20	0.03	70	0.52	162	<1	0.03	23	850	22	<10	83	0.48	<10	<10	90	<10	44
8611	<5	2.37	0.4	10	50	<0.5	<2	1.97	<0.5	11	231	11	4.06	20	0.07	100	0.53	1790	<1	0.02	23	1850	21	<10	58	0.45	20	10	85	<10	42
8612	126	1.98	0.4	<10	40	<0.5	<2	1.59	<0.5	9	172	10	4.26	20	0.05	90	0.43	2039	<1	0.02	20	1050	14	<10	39	0.47	10	<10	81	<10	29
8613	<5	2.42	0.4	10	50	<0.5	<2	2.00	<0.5	11	202	10	4.22	20	0.05	90	0.56	1932	<1	0.02	23	810	18	<10	57	0.44	20	10	88	<10	44
8614	1120	2.13	0.4	10	40	<0.5	<2	1.57	<0.5	10	178	11	4.59	20	0.05	70	0.42	2718	<1	0.02	20	690	16	<10	37	0.36	20	10	76	<10	36
8615	1950	2.01	0.4	10	30	<0.5	<2	1.74	<0.5	9	192	9	3.89	20	0.04	100	0.43	1942	<1	0.02	19	890	12	<10	47	0.40	20	10	84	<10	36
8616	<5	2.20	0.4	10	40	<0.5	<2	2.28	<0.5	9	197	9	2.82	10	<0.01	60	0.54	307	<1	0.03	21	580	8	<10	82	0.40	<10	<10	81	<10	32
8617	5	2.00	0.4	10	50	<0.5	<2	2.35	<0.5	10	210	14	3.50	20	0.01	130	0.50	290	<1	0.02	18	680	16	<10	69	0.62	20	10	111	<10	43
8618	<5	1.60	0.4	10	40	<0.5	<2	1.54	<0.5	10	152	10	2.16	10	0.04	30	0.52	759	<1	0.03	20	440	10	<10	45	0.24	<10	<10	80	<10	34
8619	1300	2.16	0.4	20	50	<0.5	<2	2.01	<0.5	14	301	10	3.75	20	0.07	40	0.51	1557	<1	0.04	30	620	10	<10	66	0.32	<10	10	91	<10	40
8620	7600	1.53	0.4	10	100	<0.5	4	1.37	<0.5	19	200	29	3.42	10	0.24	20	0.99	321	<1	0.06	49	760	28	<10	33	0.20	<10	10	75	<10	48
8621	7550	2.58	0.4	20	50	<0.5	<2	2.26	<0.5	11	204	17	5.37	10	0.01	80	0.50	327	<1	0.02	28	890	20	<10	60	0.51	<10	<10	109	<10	40
8622	<5	2.57	0.4	20	40	<0.5	<2	2.26	<0.5	12	188	17	4.75	10	0.04	60	0.54	294	<1	0.03	27	720	16	<10	60	0.41	<10	<10	99	<10	40
8623	25	2.37	0.4	10	50	<0.5	<2	2.19	<0.5	11	154	15	2.43	10	0.05	50	0.53	449	<1	0.02	27	650	20	<10	60	0.26	<10	<10	89	<10	28
8624	<10	2.95	0.4	10	40	<0.5	<2	2.97	<0.5	9	220	11	3.47	20	0.02	70	0.56	466	<1	0.04	19	560	20	<10	92	0.57	<10	<10	109	<10	36
8625	<5	2.73	0.4	10	40	<0.5	<2	2.73	<0.5	10	188	10	3.52	10	0.03	50	0.59	1132	<1	0.04	24	620	16	<10	71	0.45	<10	<10	114	<10	40
8626	80	2.93	0.4	20	40	<0.5	<2	2.92	<0.5	10	230	13	3.64	20	0.03	50	0.64	191	<1	0.04	27	600	20	<10	82	0.45	<10	<10	116	<10	44
8627	270	2.69	0.4	10	40	<0.5	<2	2.66	<0.5	9	212	10	3.20	20	0.02	50	0.58	113	<1	0.04	23	540	14	<10	67	0.42	<10	<10	101	<10	38
8628	10	2.53	0.4	10	40	<0.5	<2	2.51	<0.5	10	200	13	3.36	20	0.02	60	0.57	1045	<1	0.03	24	580	16	<10	63	0.40	<10	<10	106	<10	40
8714	6950	1.70	0.4	10	30	<0.5	<2	1.14	<0.5	9	193	8	3.66	10	0.02	60	0.24	281	<1	0.01	20	740	10	<10	21	0.26	<10	<10	57	<10	22
8715	190	1.68	0.4	10	30	<0.5	<2	1.42	<0.5	9	173	11	3.80	10	0.02	30	0.40	1651	<1	0.02	18	840	16	<10	32	0.39	<10	<10	84	<10	34
8716	660	1.64	0.4	<10	30	<0.5	<2	1.36	<0.5	9	175	9	3.43	10	0.03	70	0.40	1506	<1	0.01	21	900	12	<10	30	0.39	<10	<10	72	<10	34
8717	260	1.67	0.4	<10	30	<0.5	<2	1.48	<0.5	9	148	11	3.71	10	0.04	90	0.40	1623	<1	0.02	21	1130	16	<10	36	0.48	20	10	83	<10	34
8718	<5	2.12	0.4	10	40	<0.5	<2	1.88	<0.5	9	154	11	3.76	<10	<0.01	60	0.49	1675	<1	0.02	23	720	16	<10	41	0.46	<10	<10	83	<10	34
8719	1700	2.13	0.4	<10	30	<0.5	<2	1.79	<0.5	8	156	11	4.15	<10	<0.01	70	0.45	235	<1	0.02	19	690	12	<10	35	0.49	<10	<10	82	<10	30
8721	15	1.96	0.4	10	20	<0.5	<2	1.82	<0.5	8	162	14	4.39	10	0.01	50	0.39	1300	<1	0.01	17	870	16	<10	37	0.54	10	10	88	<10	22
8721	2850	2.60	0.4	10	50	<0.5	<2	2.59	<0.5	10	174	33	5.54	10	0.02	60	0.59	424	<1	0.04	32	730	20	<10	69	0.46	<10	<10	125	<10	50
8722	105	2.37	0.4	<10	20	<0.5	<2	1.84	<0.5	9	150	11	2.36	10	<0.01	50	0.43	1736	<1	0.02	20	650	14	<10	42	0.32	<10	<10	70	<10	20
8723	2650	2.24	0.4	10	30	<0.5	<2	2.00	<0.5	10	161	14	4.10	10	0.01	80	0.48	1986	<1	0.02	23	750	14	<10	46	0.46	<10	<10	93	<10	36
8724	<5	2.07	0.4	10	30	<0.5	<2	1.90	<0.5	9	157	12	3.09	10	0.03	50	0.49	1481	<1	0.02	23	700	14	<10	43	0.36	<10	<10	77	<10	32
8725	13400	1.94	0.4	10	20	<0.5	<2	1.68	<0.5	9	140	13	3.75	10	0.02	60	0.41	1935	<1	0.02	21	620	16	<10	38	0.35	<10	<10	77	<10	30
8726	<5	2.28	0.4	20	50	<0.5	<2	2.16	<0.5	16	171	10	5.13	10	0.06	40	0.62	1371	<1	0.04	28	590	18	<10	64	0.32	<10	<10	114	<10	56
8727	5300	2.18	0.4	10	40	<0.5	<2	2.02	<0.5	14	151	26	5.20	10	0.04	80	0.47	1141	<1	0.02	29	850	20	<10	53	0.45	10	10	110	<10	40
8728	4950	2.02	0.4	10	40	<0.5	<2	2.66	<0.5	16	209	21	5.15	20	0.03	60	0.57	2437	<1	0.03	19	620	24	<10	64	0.48	<10	<10	114	<10	60
8729	<5	2.82	0.4	10	40	<0.5	2	2.61	<0.5	16	191	28	5.84	10	0.03	60	0.57	2000	<1	0.03	31	630	18	<10	76	0.48	<10	<10	125	<10	56
8730	970	2.40	0.4	10	40	<0.5	<2	2.34	<0.5	20	168	37	6.14	10	0.04	70	0.53	1650	<1	0.03	36	720	22	<10	74	0.47	<10	<10	130	<10	58
8731	<5	2.17	0.4	10	30	<0.5	<2	1.84	<0.5	10	248	19	4.14	10	0.04	60	0.50	1569	<1	0.03	25	640	20	<10	73	0.36	<10	<10	87	<10	40
8732	<5	2.62	0.4	10	40	<0.5	<2	2.96	<0.5	12	263	24	5.35	20	0.02	150	0.50	1153	<1	0.03	28	730	22	<10	136	0.64	30	10	141	<10	52
8733	2200	2.42	0.4	10	30	<0.5	<2	2.71	<0.5	8	233	19	3.75	20	0.01	80	0.40	1566	<1	0.02	18	640	18	<10	136	0.47	<10	<10	112	<10	40

Certified by *H. B. S. Bichler*



# Chemex Labs Ltd.

Analytical Chemists

Geochemists

Registered Assayers

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North Vancouver, B.C.  
Canada V7J 2C1

Telephone: (604) 984-0221  
Telex: 043-52597

Semi quantitative multi element ICP analysis

## CERTIFICATE OF ANALYSIS

TO : MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W3

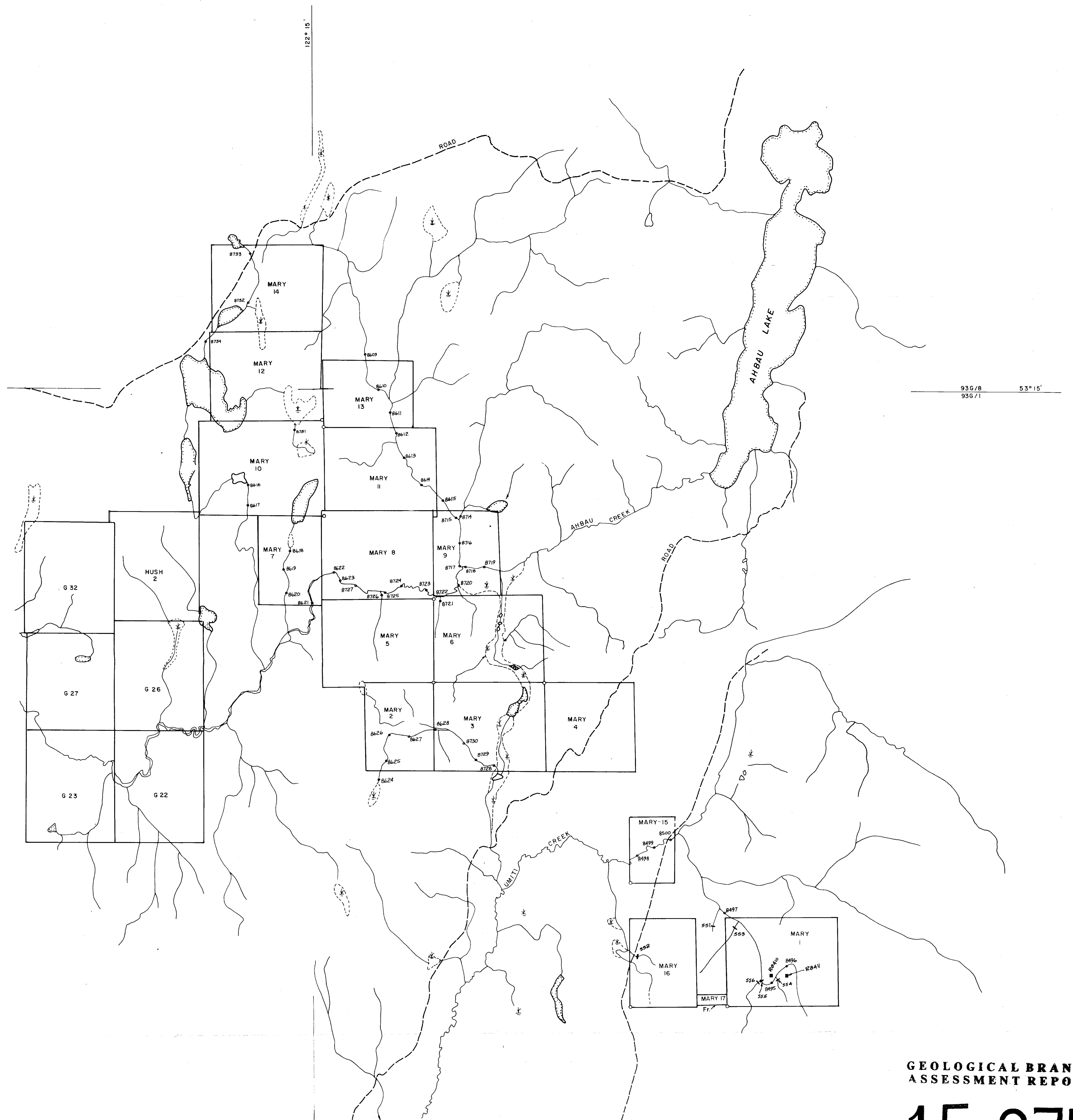
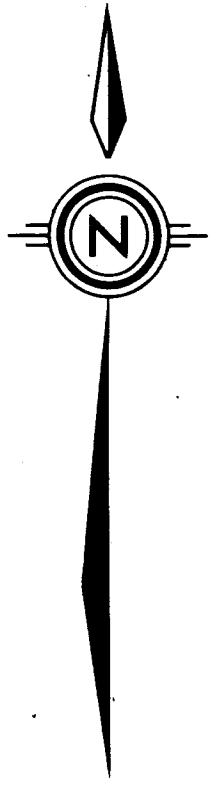
CERT. # : A8615605-002-A  
INVOICE # : 19615605  
DATE : 11-AUG-86  
P.O. # : NONE  
SILVER SCEPTRE, MARY

Nitric-Aqua-Regia digestion of 0.5 gm of material followed by ICP analysis. Since this digestion is incomplete for many minerals, values reported for Al, Sb, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, W and V can only be considered as semi-quantitative.

COMMENTS :  
CC: J.M. KOWALCHUK

Sample description	Au	Ag	Al	As	Ba	Be	Bi	Cs	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	U	V	W	Zn	
	ppb	ppb	%	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm		
8734	<5	2.11	0.4	10	40	<0.5	<2	2.13	<0.5	10	192	18	3.71	10	0.03	90	0.56	0.15	<1	0.04	26	710	12	<10	83	0.38	<10	<10	96	<10	40	--

Certified by Hart Bichler



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

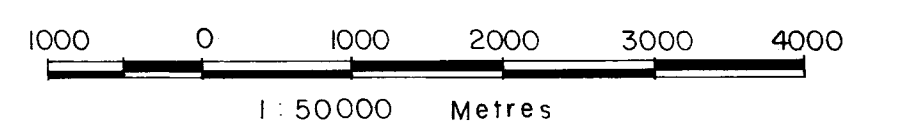
**15,875**

**LEGEND**

- 8500 • HEAVY MINERAL CONCENTRATE SAMPLE LOCATION
- 551 / SILT SAMPLE LOCATION
- R2410 ■ ROCK SAMPLE LOCATION

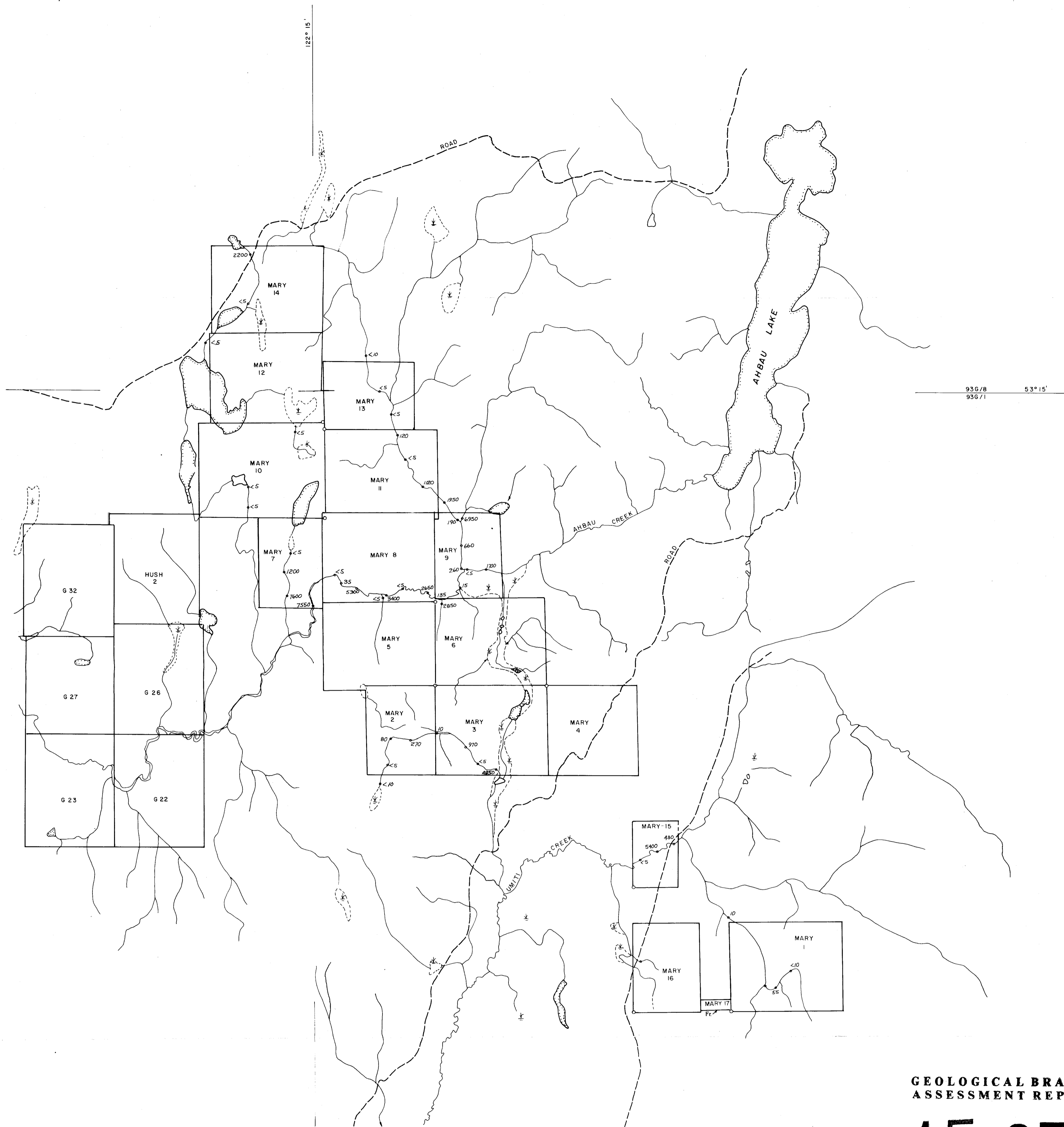
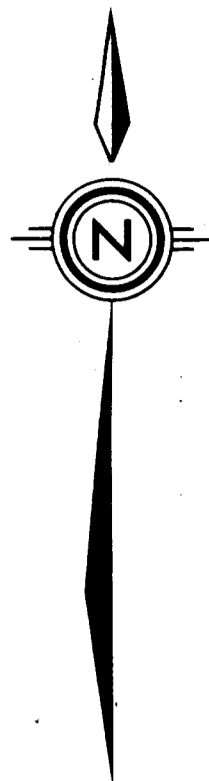
**SILVER SCEPTRE RESOURCES LTD.  
MARY CLAIMS  
CARIBOO MINING DIVISION B.C. NTS:93G/1&8**

**HEAVY MINERAL CONCENTRATE  
SAMPLE LOCATIONS**



BY:JMK, LH./rwr  
DATE: SEPT.1986

FIGURE: 4

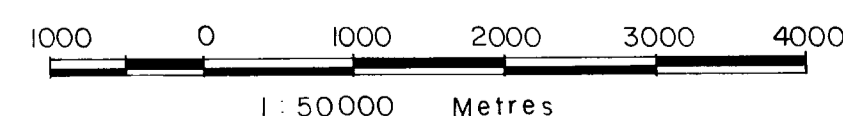


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**15,875**

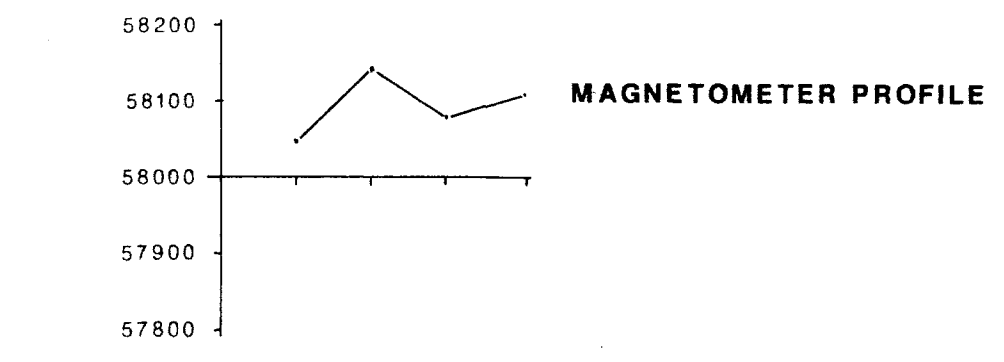
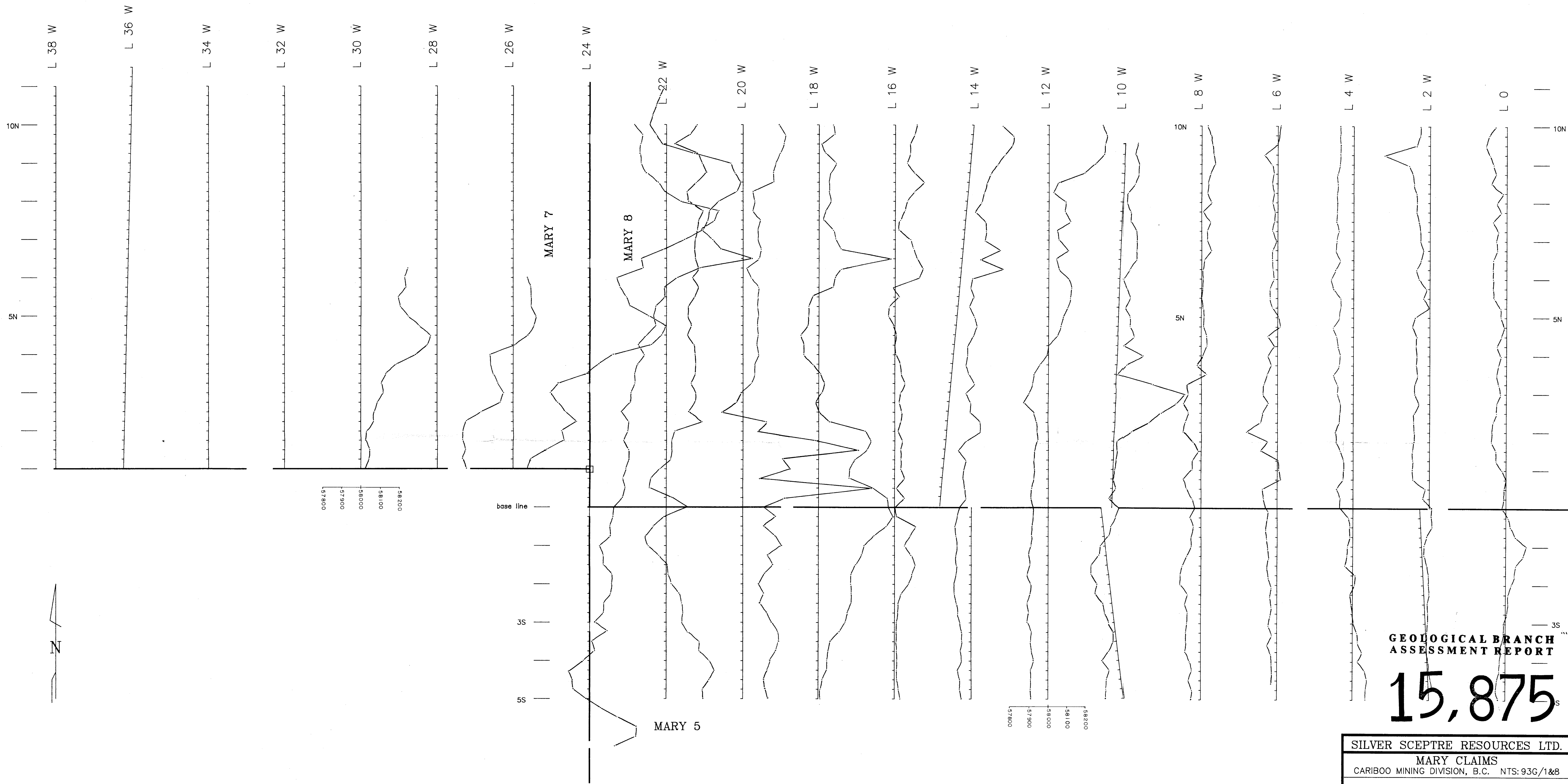
SILVER SCEPTRE RESOURCES LTD.  
MARY CLAIMS  
CARIBOO MINING DIVISION B.C. NTS:93G/1&8

HEAVY MINERAL CONCENTRATE  
GOLD RESULTS



BY:JMK, LH./rwr  
DATE: SEPT.1986

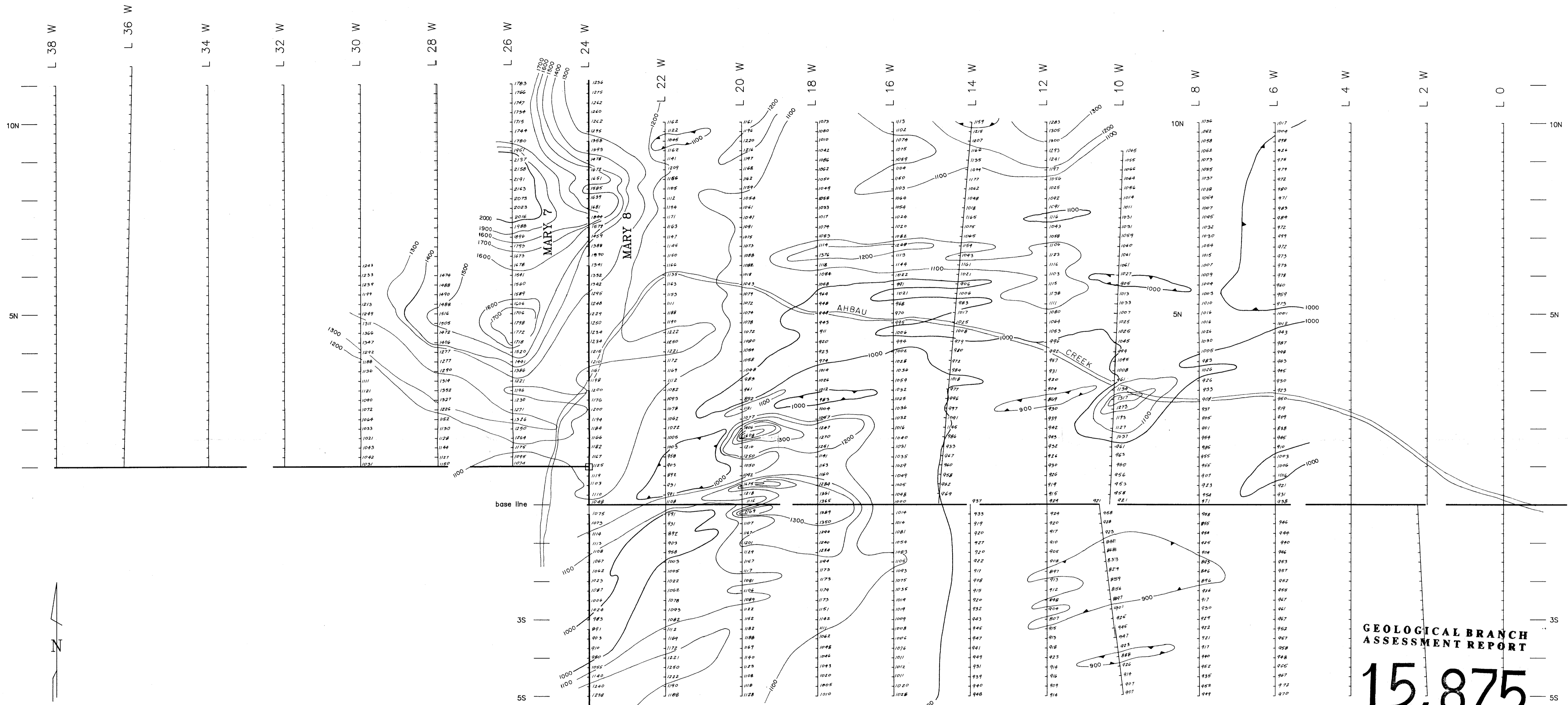
FIGURE: 5



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,875**

SILVER SCEPTRE RESOURCES LTD.	
MARY CLAIMS	
CARIBOO MINING DIVISION, B.C. NTS: 93G/1&8	
<b>MAGNETOMETER SURVEY PROFILES</b>	
<p>SCALE IN METRES (1:5000)</p>	
BY: JMK, LH/rwr	FIGURE: 6
DATE: OCT., 1986	



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**15,875**

SILVER SCEPTRE RESOURCES LTD.  
MARY CLAIMS  
CARIBOO MINING DIVISION, B.C. NTS: 93G/188

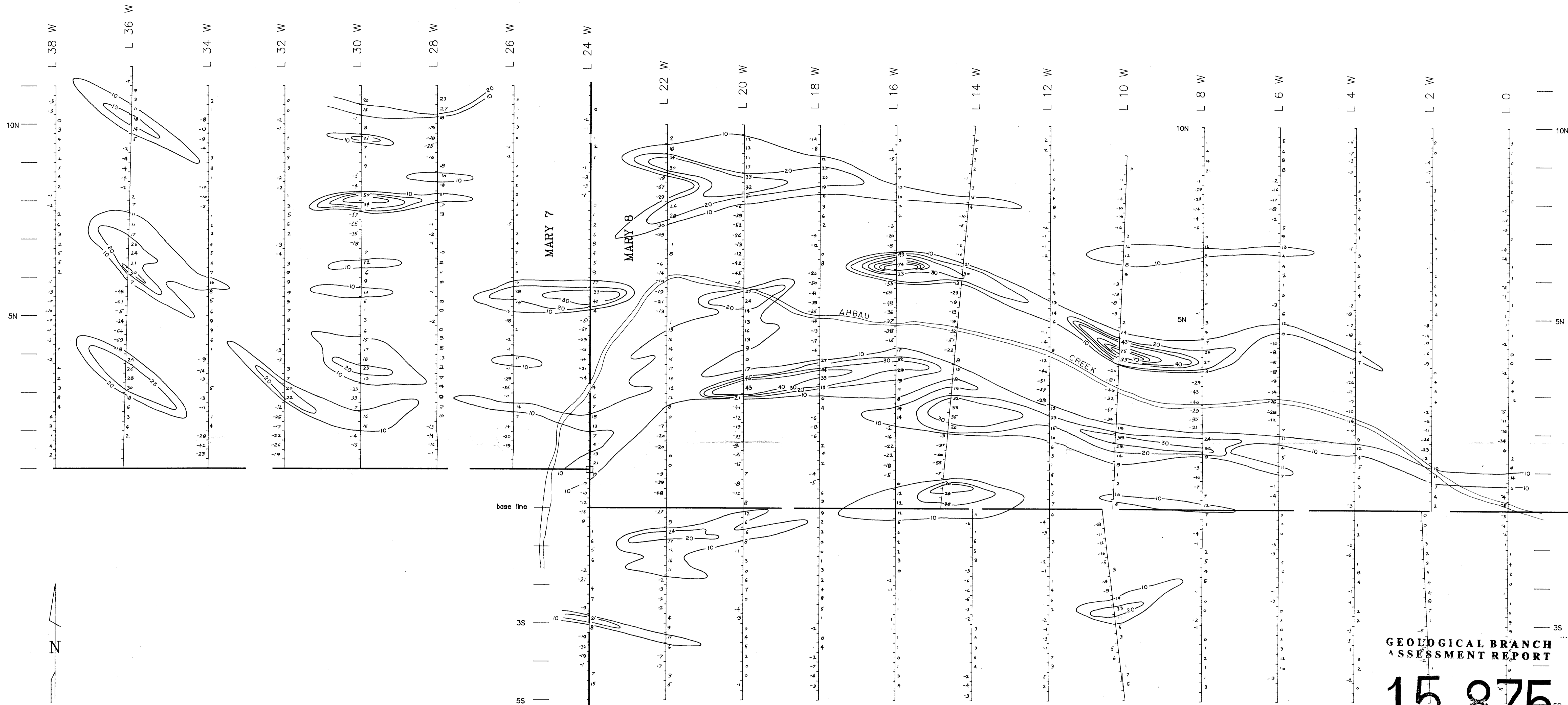
**MAGNETOMETER CONTOURS**



BY: JMK, LH/rwr  
DATE: OCT., 1986  
FIGURE: 7

**LEGEND**

- 1000 MAGNETOMETER VALUE IN GAMMAS.  
BASE READING 0 = 57000 GAMMAS.
- MAGNETOMETER CONTOUR INTERVAL = 100 GAMMAS.



MARY 5

MARY 7

MARY 8

AHBAU

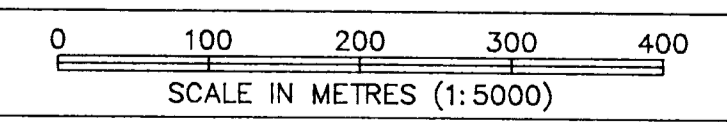
CREEK

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**15,875**<sup>SS</sup>

SILVER SCEPTRE RESOURCES LTD.  
MARY CLAIMS  
CARIBOO MINING DIVISION, B.C. NTS: 93G/1&8

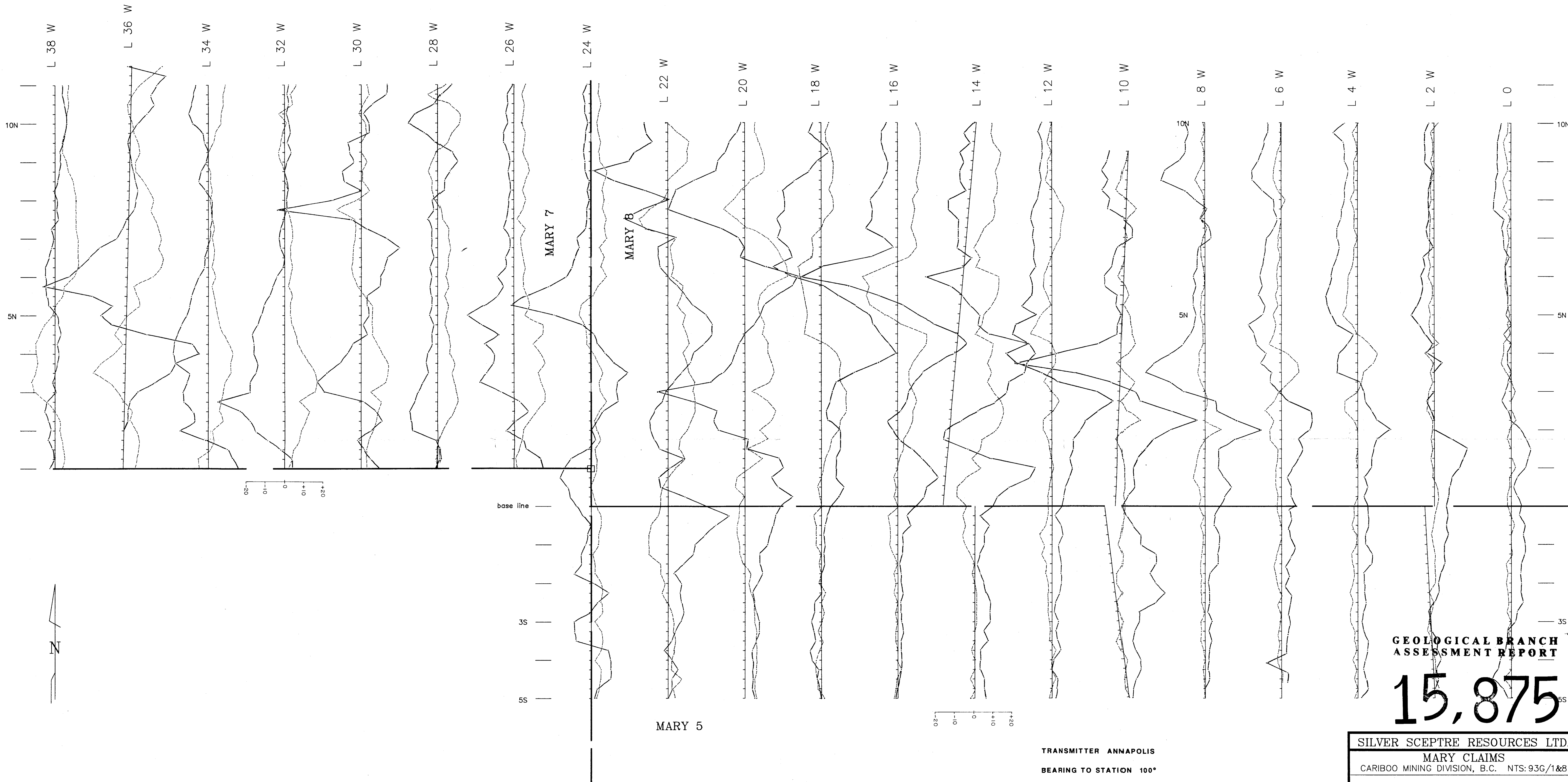
**FRASER FILTERED  
VLF-EM CONTOURS**



BY: JMK, LH/rwr  
DATE: OCT., 1986

FIGURE: 8

CONTOUR INTERVAL 10%  
TRANSMITTER ANNAPOLIS  
BEARING TO STATION 100°  
READINGS TAKEN FACING SOUTH

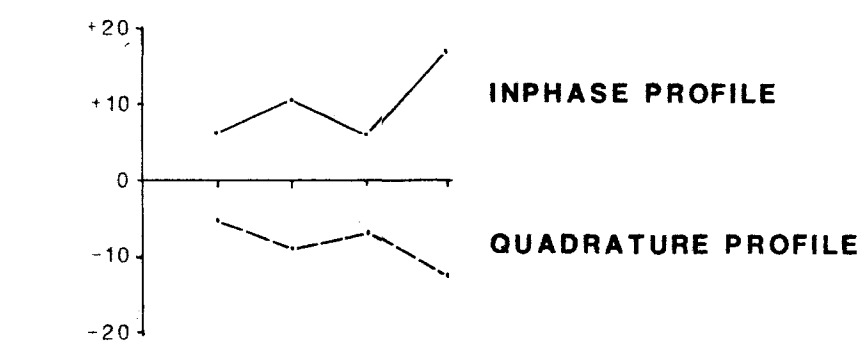


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**15,875**

TRANSMITTER ANNAPOLIS

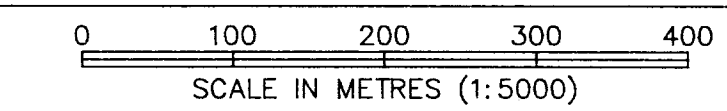
BEARING TO STATION 100°



READINGS TAKEN FACING SOUTH

SILVER SCEPTRE RESOURCES LTD.  
MARY CLAIMS  
CARIBOO MINING DIVISION, B.C. NTS:93G/1&8

**VLF-EM SURVEY PROFILES**



BY: JMK, LH/rwr  
DATE: OCT. 1986

FIGURE 9