

86-290-14766

DIAMOND DRILL REPORT

ON THE

MAG GROUP

FILMED

Cariboo Mining Division

93 B19E

(Latitude 52 deg. 33', Longitude 122 deg. 10')

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,766

OWNER AND OPERATOR

GIBRALTAR MINES LIMITED

McLEESE LAKE, B.C.

AUTHOR: G. D. Bysouth

Submitted: June 9, 1986

TABLE OF CONTENTS

1.0	INTRODUCTION, PHYSIOGRAPHY AND ACCESS.....	1
2.0	GEOLOGY.....	2
3.0	PROPERTY DESCRIPTION.....	2
4.0	PREVIOUS WORK.....	4&5
5.0	DRILL PROGRAM.....	3
5.1	Objective.....	3
5.2	Results.....	3
5.3	Discussion.....	3
5.4	Conclusion.....	4
6.0	STATEMENT OF EXPENDITURES.....	5

FIGURES

Figure I	Area Location Map	(In Text)
Figure II	Mineral Claim and Drill Hole Location Map	(In Pocket)

APPENDICES

A.	Statement of Qualifications.....	(In Text)
B.	List of Abbreviations.....	(In Text)
C.	Drill Log: Hole 85-35.....	(In Pocket)
D.	Drill Log: Hole 85-36.....	(In Pocket)

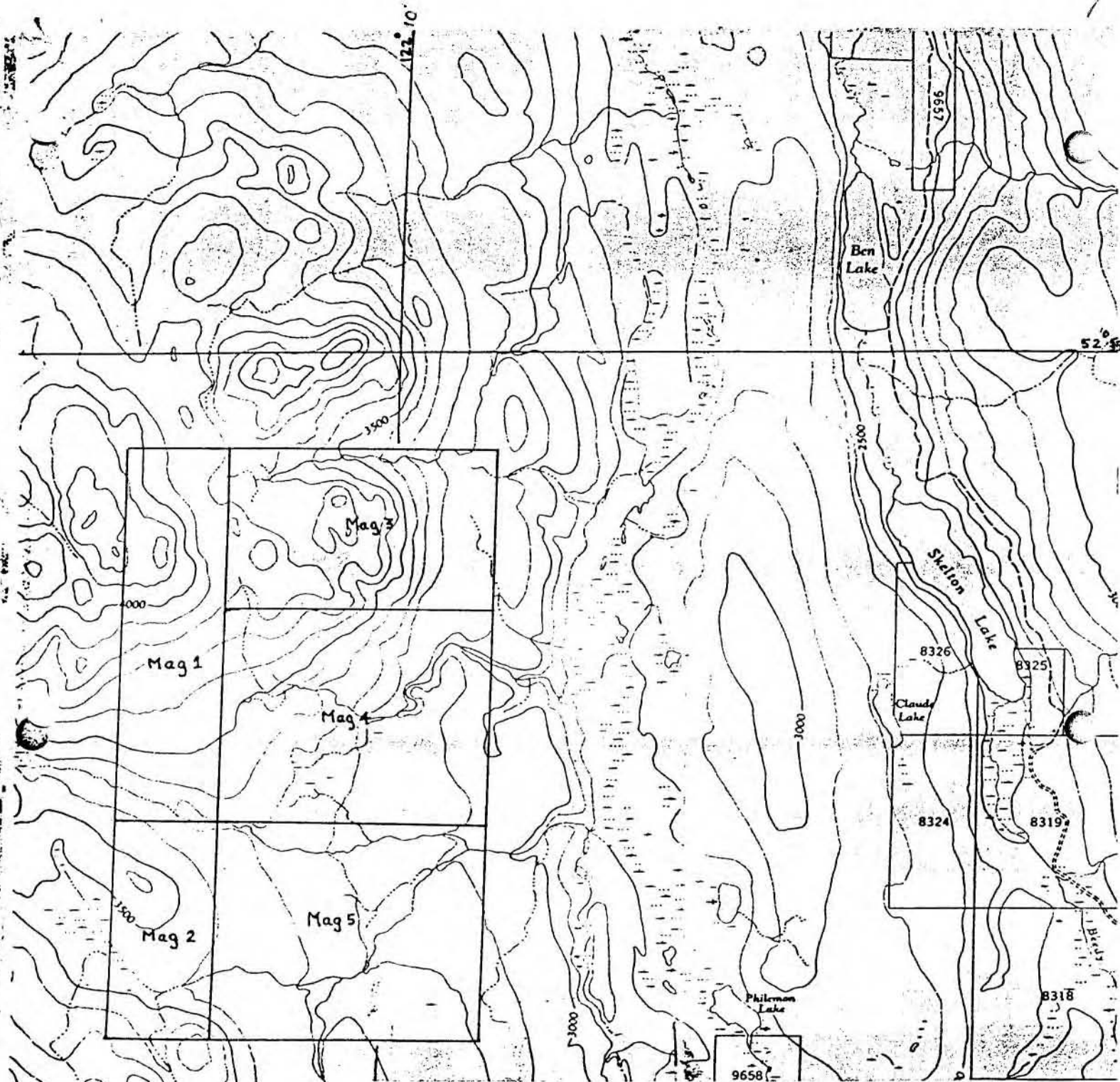
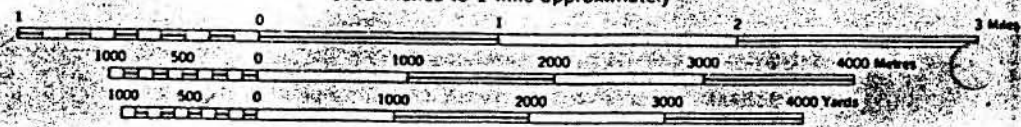


FIGURE 1
MAG GROUP LOCATION MAP
93 8 8

SCALE 1:50,000
 1.25 inches to 1 mile approximately



CONTOUR INTERVAL 100 FEET
 Elevations in Feet above Mean Sea Level
 North American Datum 1927

1.0 INTRODUCTION, PHYSIOGRAPHY AND ACCESS

The Mag Group is a copper-gold prospect located in Cariboo District, approximately 4 miles (6.4 km) northeast of the Gibraltar Mines concentrator and about 10 miles (16.0 km) northeast of McLeese Lake.

The claims cover a predominately easterly sloping terrain which drains into the valley of Beaver Creek. Relief varies from 3000 to 4200 feet. The area is poorly drained and covered by thick stands of spruce, douglas fir and jackpine.

Access is via a 4-wheel drive type road which links up the Gibraltar tailings pond road near the eastern end of the pond. General location of the claim group is shown in Figure 1.

This report covers a diamond drill program conducted during the period June 27 to July 10, 1985. Two vertical N.Q. diamond drill holes were completed for a total footage of 717 feet (218.54 m). The contractor was G & D Diamond Drilling of Kamloops, B.C.. The Core is stored at the Gibraltar Mines plant site.

2.0 GEOLOGY

The Mag Group appears to be underlain by a sequence of dark green volcanic flows and associated breccias which form prominent outcrops above the 3400 foot level. These rocks are considered to be mainly of andesitic or basaltic composition and are likely of Jurassic age. Most specimens examined were dense, dark-green, fine grain rocks which often displayed tiny chloritic phenocrysts. In several places epidote-garnet-magnetite scarns were noted interbedded with the volcanics. Below the 3400 foot level very little rock exposure has been found. Resistivity data suggests this area may be underlain by predominately sedimentary units.

3.0 PROPERTY DESCRIPTION

The mineral claims of the Mag Group were staked in 1980 to cover a large aeromagnetic anomaly and several zones of magnetite-scarn. The mineral claims are shown in Figure 2. Information on these claims is tabulated below.

<u>CLAIM NAME</u>	<u>RECORD NO.</u>	<u>NO. OF UNITS</u>	<u>ANNIVERSARY DATE</u>
Mag 1	1660	14	June 10
Mag 2	1661	8	June 10
Mag 3	1662	15	June 10
Mag 4	1663	20	June 10
Mag 5	1664	20	June 10

All of these claims are owned by Gibraltar Mines Ltd. The drilling was located on the Mag 4 claim.

4.0 PREVIOUS WORK

During October and November of 1981 an induced polarization survey was carried out over the property by Peter E. Walcott and Associates Limited for Gibraltar Mines. Approximately 28.4 miles (45.5 km) of I.P. line was run and at least five definite anomalies were discovered. This work was submitted for assessment work in March 1982.

In May and June of 1985, two N.Q. vertical holes were drilled within two of the anomalies. This work was submitted for assessment work in June 1985.

5.0 DRILL PROGRAM

5.1 OBJECTIVE:

The purpose of this drill program was to further test the I.P. anomalies outlined in 1981. Both holes were centered over strong I.P. zones.

5.2 RESULTS:

Drill hole locations are shown in Figure 2. Recoveries were very poor, averaging about 70% in hole 85-35 and 40% in hole 85-36. Both holes appeared essentially barren and were not assayed.

Hole 85-35 intersected a sequence of diorite rock types. The hole was cased to 30 feet. From 30 feet to 197 feet it intersected a fine grain diorite or meta-andesite. From 197 feet to the bottom of the hole at 507 feet, the rock encountered was mainly a grey medium grained diorite which generally consisted of about 60 percent saussaritized plagioclase and 30 percent chlorite. Throughout the hole, the core was cut by quartz veins containing various amounts of chlorite carbonate and epidote. Pyrite and magnetite were noted in some sections but never in significant concentrations.

Hole 85-36 intersected a sequence of dark green to dark grey volcanic rocks of probable andesitic composition and predominantly clastic texture. The hole was cased at 30 feet and had to be abandoned at 210 feet after encountering a strong fault at 155 feet.

1' = 0.305 m

5.3 DISCUSSION:

Conductive rock sufficient to cause the measured I.P. response was not encountered in either hole. The conductor may be narrow and steeply dipping which would present a small target for drilling. Hole 85-36 appears to be within or near a major fault zone.

5.4 CONCLUSION

More work is required to establish the source of the I.P. anomaly. The lack of any significant metallic mineralization in the core strongly suggest the source is not of any economic significance.

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G. D. Bysouth
Senior Geologist
Gibraltar Mines Limited

6.0 STATEMENT OF EXPENDITURES

June 1985 Diamond Drilling Mag Group

(a) Drilling Costs

85-35	507'	@	\$14.00	\$	7,098.00	
85-36	210'	@	\$14.00		<u>2,940.00</u>	
					10,038.00	\$ 10,038.00

(b) Site Preparation and Road Construction

TD20	10hrs	@	\$80.75			\$ 807.50
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(c) Personal Costs

(1) Field Work

Ed Oliver

June 27 - 8hrs

July 8 - 8hrs

July 9 - 8hrs

24hrs @ \$19.64 \$ 471.36

(2) Core Logging

G. Bysouth

Dec 3 - 8hrs

Dec 4 - 8hrs

Dec 5 - 8hrs

24hrs @ \$31.00 \$ 744.00

\$ 1,215.36

Total Costs

\$ 12,060.86

J.D. Bysouth

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, Garry D. Bysouth, of Gibraltar Mines Limited, McLeese Lake, British Columbia, do certify that:

1. I am a geologist.
2. I am a graduate of the University of British Columbia, with a B.Sc. degree in geology in 1966.
3. From 1966 to the present I have been engaged in mining and exploration geology in British Columbia
4. I personally supervised this drill program, logged the core and assessed the results.

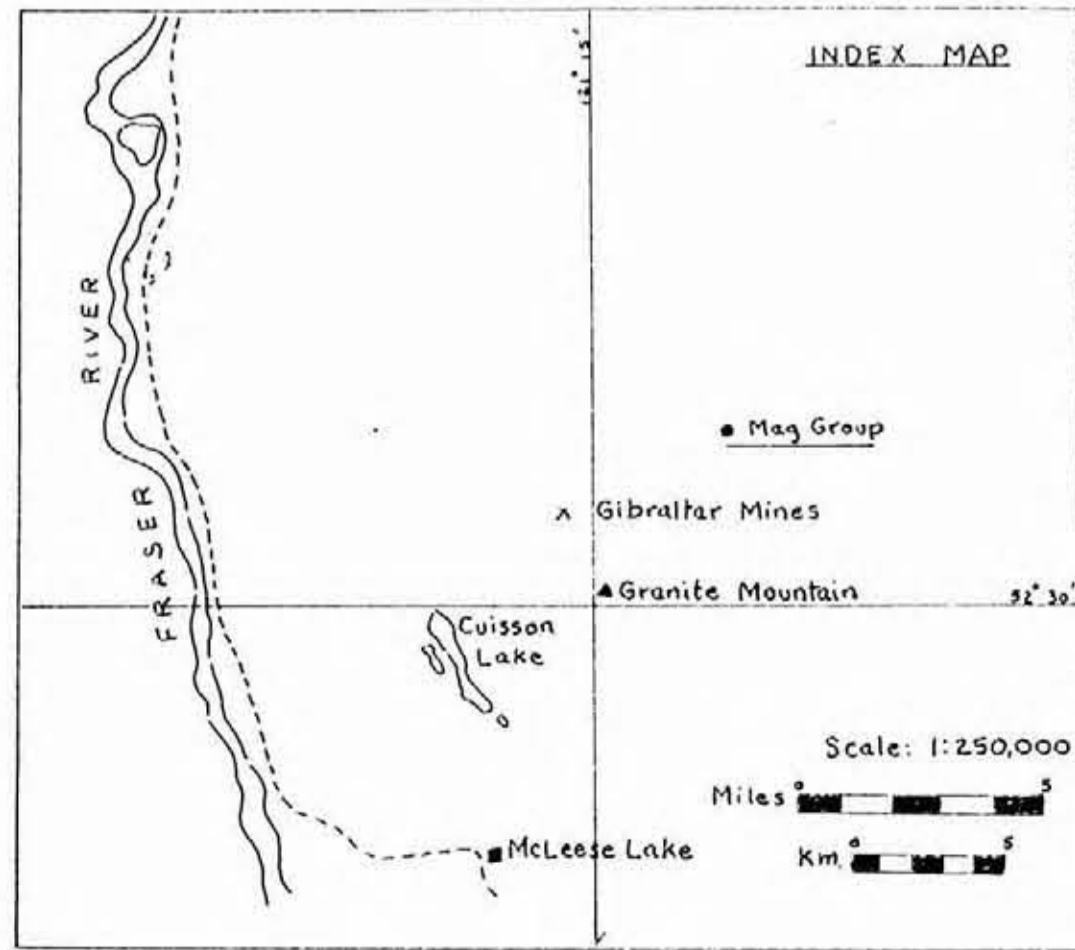
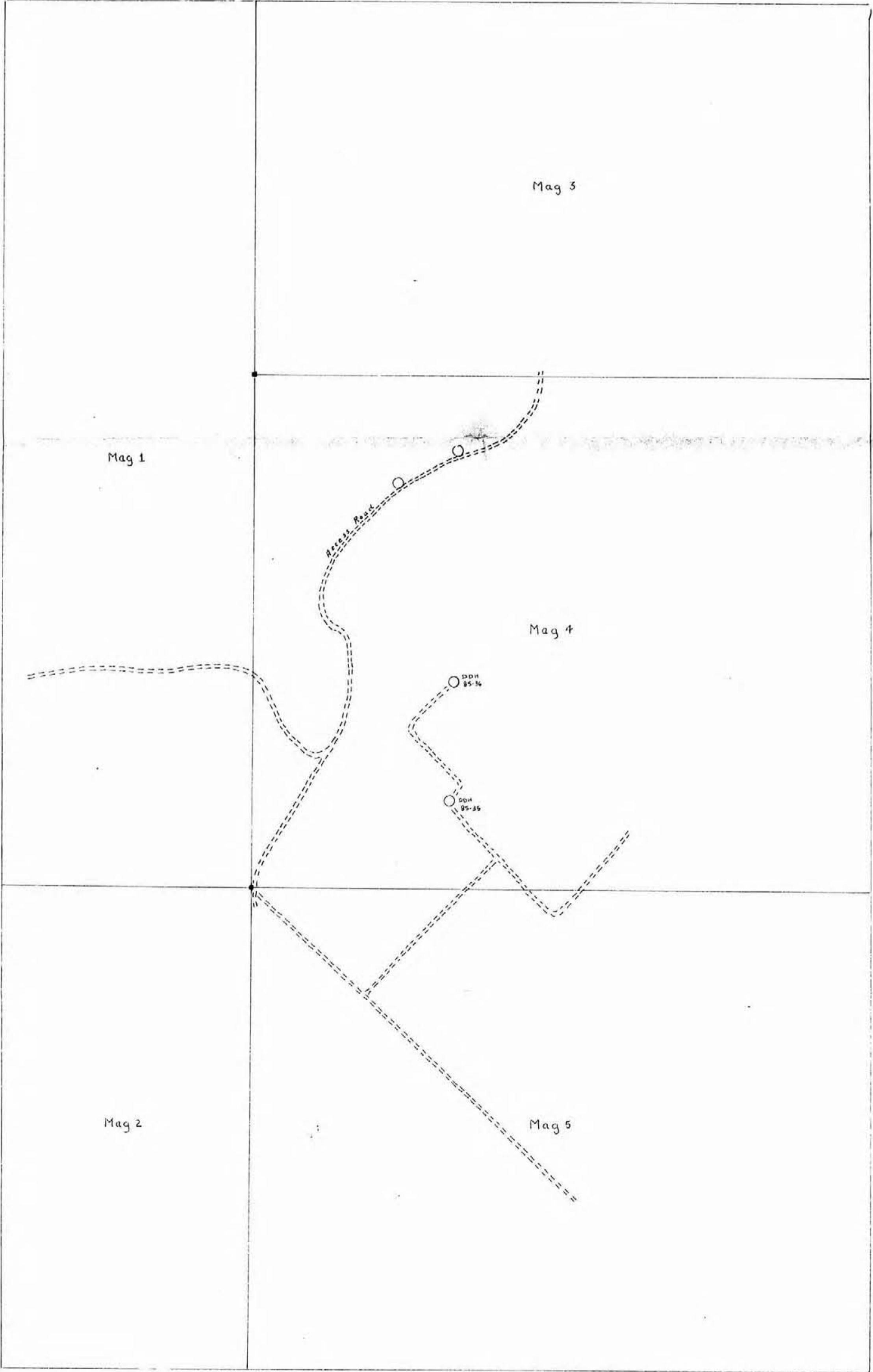
A handwritten signature in cursive script, reading "Garry D. Bysouth", is written over a horizontal dashed line.

Garry D. Bysouth

APPENDIX II

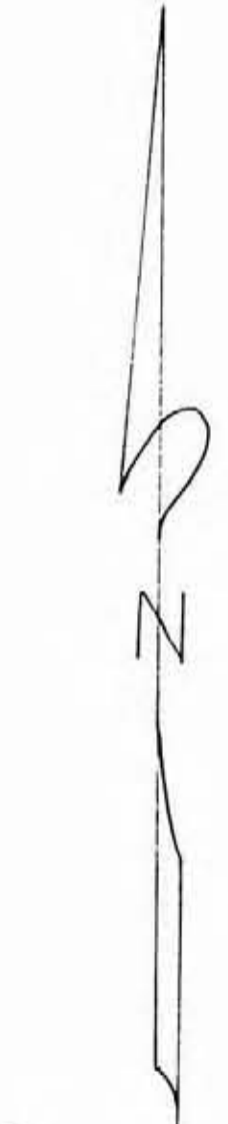
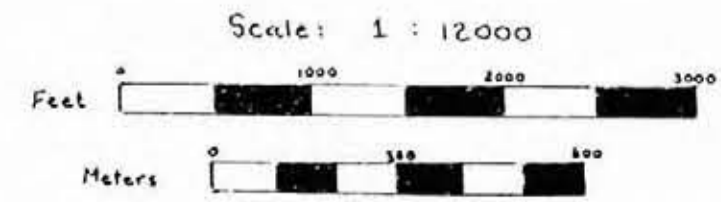
ABBREVIATIONS USED IN DRILL LOGS

cal.....	calcite
carb.....	carbonate
chl.....	chlorite
cp.....	chalcopyrite
cren.....	crenulated
dissem.....	disseminated
ep.....	epidote
foln.....	foliation
grn.....	grained
lim.....	limonite
mal.....	malachite
mag.....	magnetite
py.....	pyrite
QSP.....	quartz-sericite-py



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14-766



Control by chain and compass

DWN.	CHECK	APPR.	ISSUED FOR	DATE	REV.	DESCRIPTION	DWN.	CHECK	APPR.	ISSUED FOR	DATE	REV.	DESCRIPTION	REFERENCE	No.	DWG. No.	SCALE	1 inch = 1000 feet	No.	DWG. No.	

GIBALTAR MINES LIMITED	DRILL HOLE LOCATIONS
MAG GROUP	FILE No. FIGURE 2