

84-#502 - 12584
E

GEOPHYSICAL REPORT
ON THE
SHIK, REDGOLD GROUP OF MINERAL CLAIMS
CARIBOO MINING DIVISION, BRITISH COLUMBIA
93A/6W

Latitude 52°27' north
Longitude 121°27' west

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,584

Ownership: R.M. Durfeld
J.W. Morton

Operator: R.M. Durfeld
J.W. Morton

Author of Report: R.M. Durfeld
Durfeld Geological Management Ltd.

June 1984

TABLE OF CONTENTS

	Page
INTRODUCTION	1 ✓
PROPERTY	1 ✓
WORK PROGRAM	2 ✓
MAGNETOMETER SURVEY	2 ✓
LOCAL GEOLOGY	2 ✓
SURVEY RESULTS	3 ✓

ILLUSTRATIONS

Figure 1	Outline of the SHIK 1 and 2 and REDGOLD 1 Mineral Claims	1:50,000 ✓
Figure 2	Magnetometer Plan	1:1,000 Attached ✓

APPENDICES

APPENDIX I	Itemized Cost Statement ✓
APPENDIX II	Statement of Qualifications ✓

INTRODUCTION

The purpose of this report is to document a 5.7 kilometer magnetometer survey that was conducted on the REDGOLD mineral claim group.

The REDGOLD mineral claim group is bounded on the north by the south shore of Quesnel Lake and on the east by the Horsefly River. (Figure 1) The topography of the property is gently rolling with elevations ranging between 2400 and 3300 feet. The vegetation is characterized by stands of fir, spruce and cedar with dense undergrowth that is now largely clearcut logged.

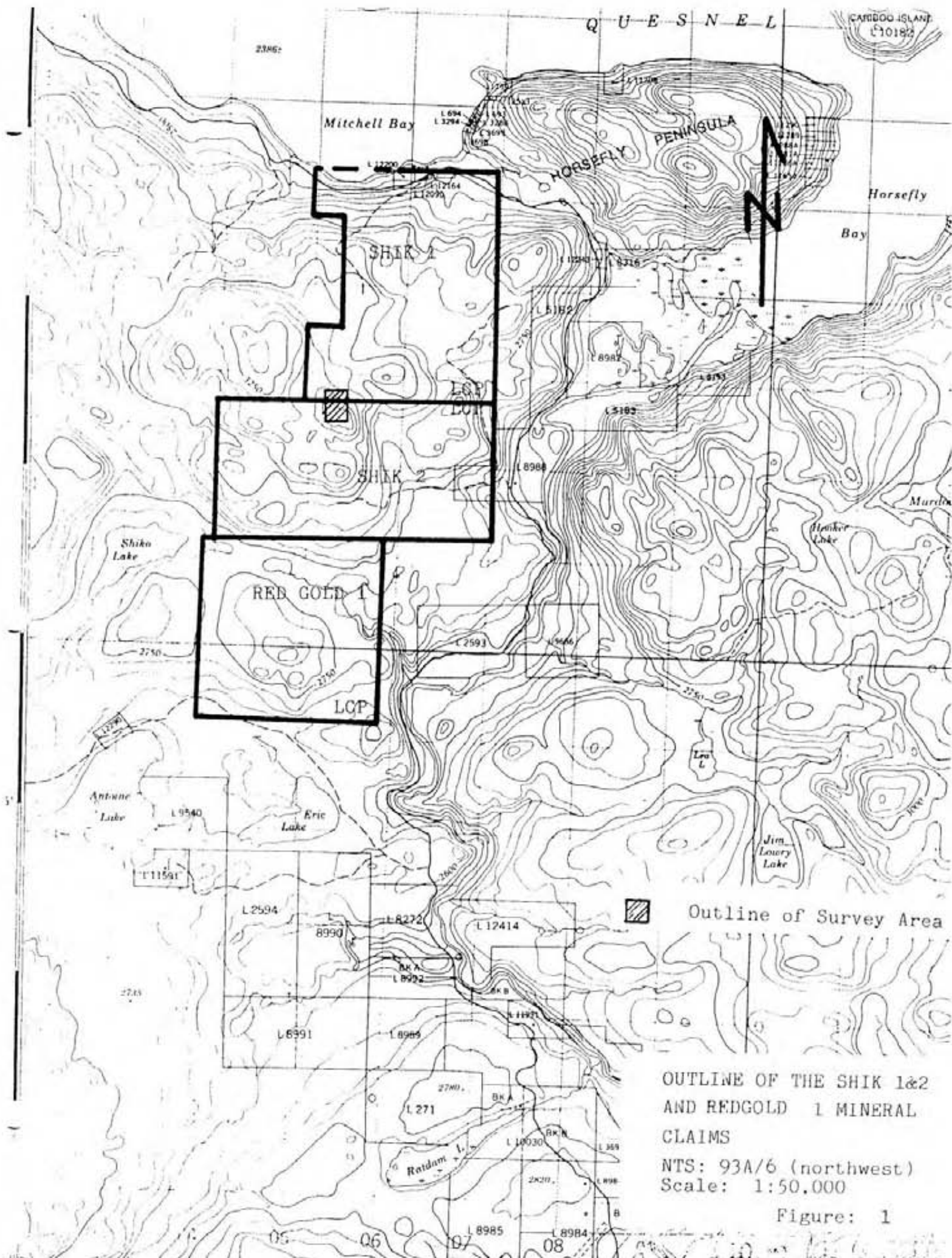
Access to the property is achieved by paved highway to the community of Horsefly and thence north seventeen kilometers on all-weather gravel roads that bisect the property.

The documented work in the REDGOLD area dates back to the late-sixties to mid-seventies when the area was being actively explored for porphyry copper and molybdenum deposits. The adjoining SL mineral claims were staked several times as such a target.

PROPERTY

The REDGOLD mineral claim group is comprised of fifty-four contiguous claim units that can be summarized as:

Claim Name	Number of Units	Record Number	Anniversary Date
SHIK 1	20	4331	May 31
SHIK 2	18	4332	June 1
REDGOLD 1	16	4615	December 17



Outline of Survey Area

OUTLINE OF THE SHIK 1&2
 AND REDGOLD 1 MINERAL
 CLAIMS

NTS: 93A/6 (northwest)
 Scale: 1:50,000

Figure: 1

WORK PROGRAM

During the period of May 1, 1984 to May 19, 1984 eight man days were spent on the REDGOLD mineral claim group. During that period 6.5 kilometers of picket grid with 25 metre stations was established.

A magnetometer survey was conducted over 5.7 kilometers of this grid with an E.J. Sharpe Instruments of Canada Ltd. Model MF-1 fluxgate magnetometer. The instrument operator was J.W. Morton.

Limited geological mapping was conducted in conjunction with the magnetometer survey.

MAGNETOMETER SURVEY

The total magnetic field was measured in gammas on 50 metre lines with 25 metre stations. The readings were corrected for diurnal variation that was calculated by looping traverses and returning to an established base station at least once every hour. The corrected values are documented on the grid lines of the Magnetometer Plan (Figure 2).

The magnetic data was subsequently contoured at 200 gamma intervals to aid in the interpretation.

LOCAL GEOLOGY

The survey area is generally underlain by what has been mapped as felsic to mafic monolithic and polyolithic volcanic breccias that are thought to have originated as debris flows close to a phreatic centre.

Minor syenite and hornblende porphyry dykes cut the volcanic lithologies.

Throughout the survey area hydrothermal alteration is developed as variable secondary epidote and carbonate. The propylite lithology is recognized as intense epidote and carbonate alteration.

Variable disseminated magnetite is recognized in the volcanic breccias.

SURVEY RESULTS

The contoured magnetic survey results are documented as Figure 2 of this report.

In the area from 0+50E 3+50N to 4+00E 4+50N a well developed magnetic low is recognized. The only outcrop that is developed in this area was recognized as propylite at 0+50E 3+50N. The distribution of this magnetic low with respect to the propylite outcrop suggests that the propylite lithology continues to the northeast.

The rest of the survey area is underlain by mafic and felsic matrix debris flows. The variable magnetic relief in these areas is due to the variable magnetite content within all volcanic lithologies and cannot be attributed to particular lithologies.

APPENDIX I

ITEMIZED COST STATEMENTPersonal

R.M. Durfeld - 5 days @ \$200/day	\$1,000.00
J.W. Morton - 3 days @ \$200/day	600.00

Transportation

6 days Williams Lake to property and return 1344 km. at \$.25/km	336.00
---	--------

<u>Sundry Items</u>	150.00
---------------------	--------


Board

8 man days @ \$25/day	200.00
-----------------------	--------

<u>Equipment Rental</u>	100.00
-------------------------	--------

<u>Report Preparation</u>	<u>500.00</u>
---------------------------	---------------

Total	\$2,886.00
-------	------------



R.M. Durfeld B.Sc.
Geologist

Durfeld Geological Management Ltd.

2029 SOUTH LAKESIDE DRIVE
WILLIAMS LAKE, B.C. V2G 2R1


Telephone (604) 392-4691

APPENDIX II

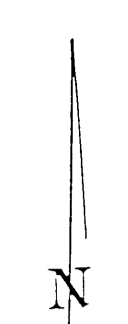
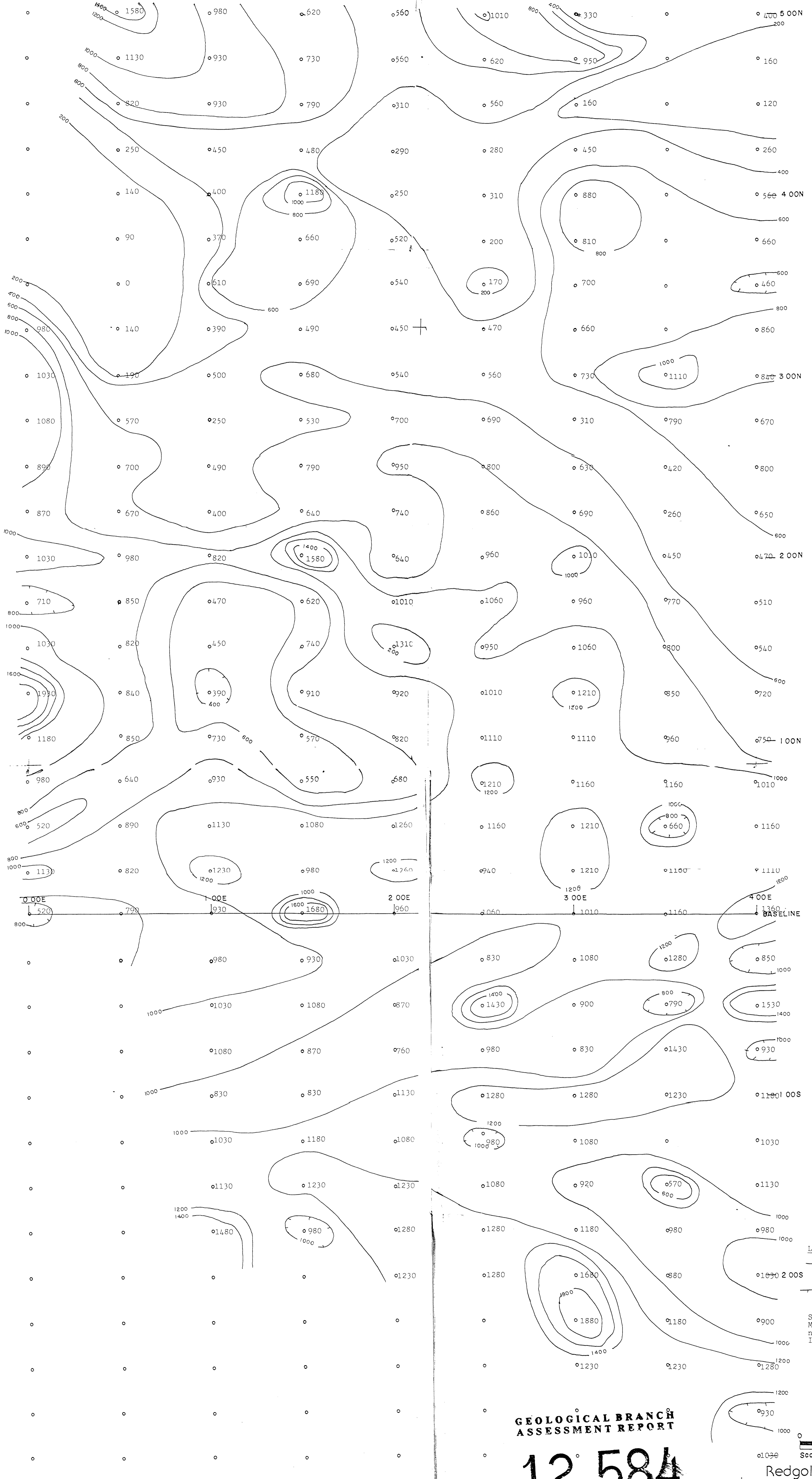
STATEMENT OF QUALIFICATIONS

I, Rudolf M. Durfeld of 2029 South Lakeside Drive, Williams Lake, British Columbia, hereby certify that:

- 1) I am a graduate of the University of British Columbia Bachelor of Science (Geology Major) in 1972 and have practiced my profession as geologist since that time.
- 2) I am a Fellow of the Geological Association of Canada.
- 3) I am the author of this report which is based on work conducted on the SHIK 1 and 2 mineral claims during the period May 1 to May 19, 1984.



R.M. Durfeld B.Sc.
(Geologist)

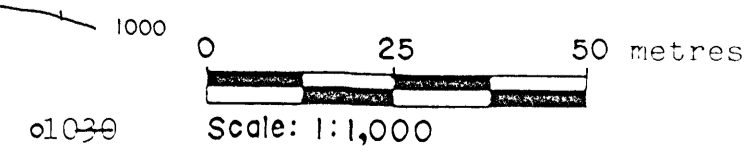


LEGEND
 Magnetic contours
 (contour interval
 200 gammas)
 Magnetic depression

Survey conducted with a
 Model MF-1 fluxgate mag-
 netometer by E.J. Sharpe
 Instruments of Canada Ltd.

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

12,584



Redgold Resources Ltd
 MAGNETOMETER PLAN
 Figure 2