



EXPLORATION REPORT
ON THE
VERMILION PROPERTY
IN THE
DISTRICT OF KENORA
PATRICIA MINING DIVISION
FOR
MONETA PORCUPINE MINES INC.

January 20, 1988

W. MACRAE

OM86-2-P-245



TABLE OF CONTENTS

	page
Introduction	1
Location and Access	1
Property	3
Previous Work	3
General Geology	5
1986 Exploration Program	6
1987 Exploration Program	7
Results	7
Conclusions	8
Recommendations	8
Certificate	9
Appendix 1 ; Diamond Drill Logs	
Appendix 2 ; Diamond Drill Sections	

LIST OF FIGURES

Figure 1. Vermilion Property location map	2
Figure 2. Claim locations, Vermilion property	4

LIST OF MAPS

Drill Hole Location Map	in back pocket
-------------------------	----------------

OM86-2-P-245

THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES):

Report on Air Mag & VLF-EM Survey → see Toronto Aiche
Drayton, Jordan & Vermillion Twps. #52K/01SE-0028
Moneta Porcupine Mines R.O.W. #87-184
by: Charles Barrie
April 1987

-1-

INTRODUCTION

Work on the property described in this report started in mid 1986 with seven patented mining claims. In September 50 unpatented claims were staked and 20 adjoining claims were optioned. In February 1987 an additional 116 claims were added with 18 additional claims staked in March. The property presently consists of 211 claims.

In the fall of 1986 linecutting, mag, VLF-EM and geology were completed on the seven patented claims. This was followed by five diamond drill holes in December of 1986. In February of 1987 an additional five diamond drill holes were completed on the patents and one hole drilled on the optioned claims to the east.

An airborne mag and VLF-EM survey was flown over the entire property. The survey generated total field, calculated gradient and VLF-EM plots.

Recommended work includes prospecting and further diamond drilling.

LOCATION AND ACCESS

The Vermilion Property is located five miles southeast of the town of Sioux Lookout and two and one half miles south of the village of Hudson. The property is approximately nine miles east-west, two and one half miles north-south and covers parts of Vermilion, Jordan, and Drayton Townships.

Big Vermilion Lake underlies one third to one half of the property and provides access from Highway 664 which also intersects the northeast corner of the property. Access to the property is via Highway 72 south from Sioux Lookout four miles and west on Highway 664 approximately three miles to the northeast corner of the property. Access to the western portion of the property is by water from a public access point on Highway 664.

...2

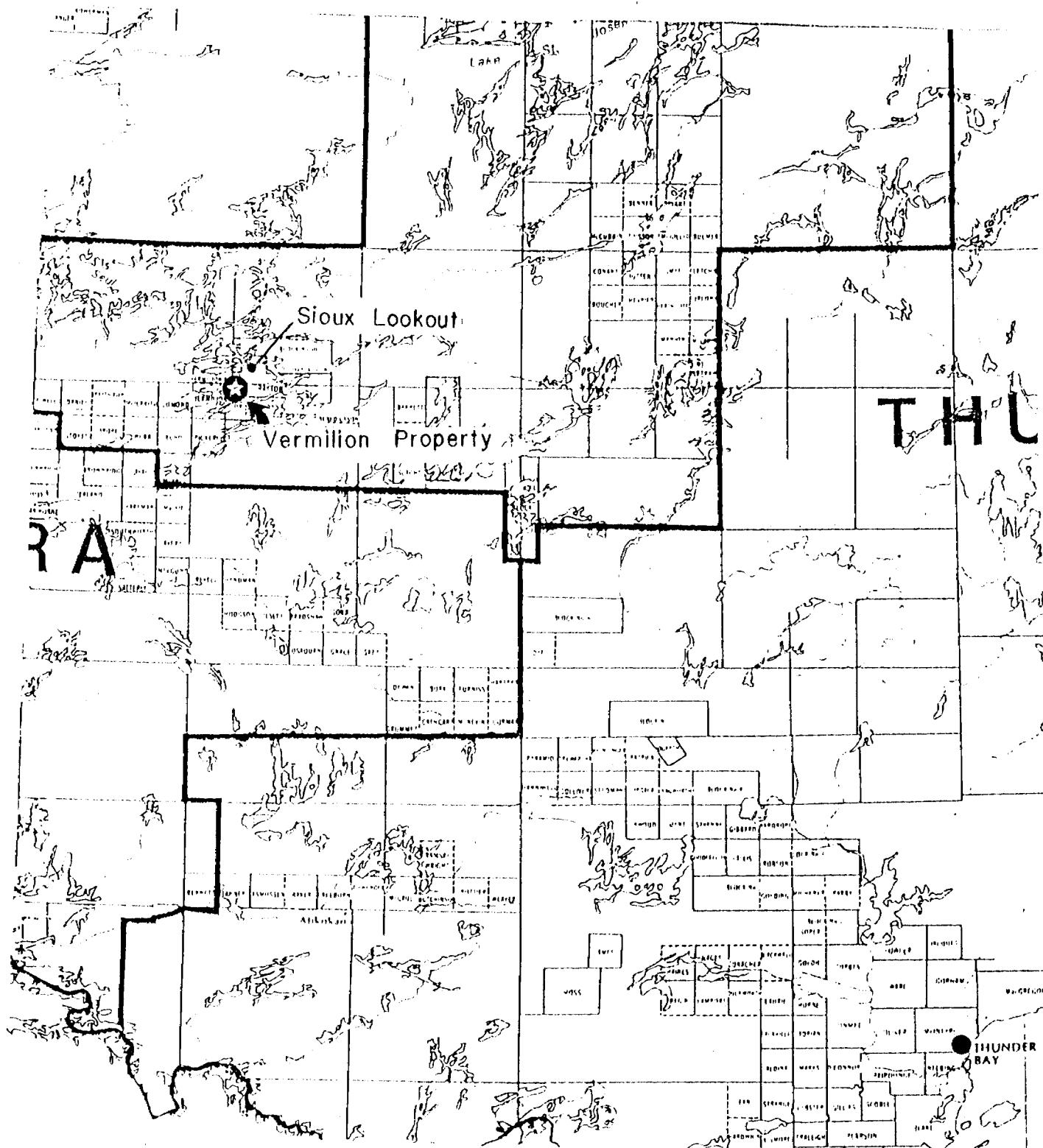


Figure 1. Vermilion property location map (1" = 25 miles).

-3-

PROPERTY

The Vermilion property consists of the following claims:

Pa 13394 to 99 incl. (5) Patented,
 Pa 13567 & 68 (2) Patented,
 Pa 902549 to 902568 incl. (20) unpatented,
 Pa 911873 to 911922 incl. (50) unpatented,
 Pa 912351 to 912390 incl. (40) unpatented,
 Pa 912501 to 912575 incl. (75) unpatented,
 Pa 950128 (1) unpatented,
 Pa 986058 to 986075 (18) unpatented,
 giving a total of seven patented claims and 204 unpatented mining claims.

PREVIOUS WORK

The first reported work in the area was in 1951 by Moneta Porcupine Mines Ltd.. In late 1951 Moneta completed trenching on two showings, the eastern showing is on claim Pa 902556 and the western showing on claims Pa 13396 to 99 incl.. In the summer of 1952 six diamond drill holes were completed. The first three holes were drilled in the area of the eastern showing and returned scattered values up to 0.02 oz Au/ton over narrow widths. The remaining three holes were drilled on the western showing and gave values as follows:

<u>Hole</u>	<u>Footage</u>	<u>Length</u>	<u>Assay (o.p.t.)</u>
4	21.9 - 23.3	1.4	0.16
	55.7 - 60.7	5.0	0.10
	61.3 - 64.9	3.6	0.12
	255.3 - 258.7	3.4	0.09
5	135.3 - 136.0	1.4	0.40
	177.5 - 180.2	2.7	0.13
	206.4 - 211.4	5.0	0.07
	211.4 - 216.4	5.0	0.08
	231.4 - 236.4	5.0	0.17

...4

-9-

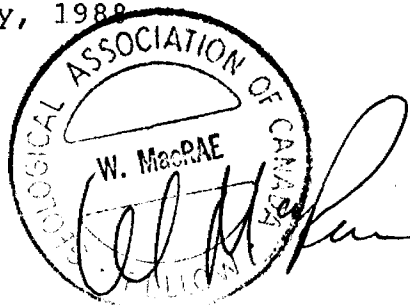
CERTIFICATE

With reference to my Exploration Report for Moneta Porcupine Mines dated January 20, 1988;

I, William E. MacRAE, of the city of Timmins, Ontario, do hereby certify and state that:

- (1) I have graduated from Lakehead University with the degree of Bachelor of Science (Honours) in 1975 and have obtained the degree of Masters of Science from McMaster University in 1982;
- (2) I have practiced my profession continuously for the past seven years;
- (3) I am a fellow of the Geological Association of Canada, a member of the Canadian Institute of Mining and Metallurgy, and a member of the Prospectors and Developers Association of Canada;
- (4) I have no interest, direct or indirect, in the mining claims comprising the properties described in this report nor do I expect to receive any; and
- (5) this report is based on assessment file information and personal supervision of the described programs.

Dated this 20th day of January, 1988
Timmins, Ontario.



W. MACRAE, M. Sc.
Consulting Geologist

APPENDIX 1
DIAMOND DRILL LOGS

APPENDIX 2
DRILL SECTIONS

MONETA PORCUPINE MINES Inc.

PROJ: Vermilion

Page 3 of 3

HOLE: MV87-11

From	To	Description	Sample No.	From	To	Length	
623.0		appearance doesn't change, magnetism is spotty END OF HOLE					

