



42A12SE0025 OP91-047 ROBB

010

SUMMARY REPORT  
OF THE  
ROBB/JAMIESON BOUNDARY PROPERTY  
ROBB AND JAMIESON TOWNSHIPS  
PORCUPINE MINING DIVISION  
ONTARIO CANADA  
OPAP # 91-046, #91-047

November 12, 1991

Ken Lapierre HBSc. FGAC.



**INTRODUCTION**

At the request of Mr. Y. Collins and Mr J. Grant, this report was prepared for the purpose of:

- 1) Satisfying all OPAP regulations and requirements.
- 2) Highlighting the geological and historical setting of the claim group.
- 3) Determining if any anomalous areas can be defined within the OPAP study.
- 4) Determining if the results and observations justify continued exploration on the property.

Sources of information contained in this report were obtained from Ministry of Northern Development and Mines assessment files, consultants reports and supervision, mapping and sampling of the stripped/washed areas of the 1991 OPAP study.

**PROPERTY: LOCATION AND DESCRIPTION**

The property is comprised of 11 unpatented mining claims located along the bottom half of the township line between Robb and Jamieson Township, Porcupine Mining Division, District of Cochrane, Ontario, Canada (figure 1).

The claim numbers of the claim group are outlined below (figure 2).

<u>Claim Number</u>	<u>Township</u>	<u>Staking Date</u>	<u>Recording Date</u>
P-1159199	Robb	Aug. 23/90	Aug. 27/90
P-1159200	"	"	"
P-1159219	"	"	"
P-1159220	"	"	"
P-1159221	"	Aug. 24/90	"
P-1159222	"	"	"
P-1159223	"	Aug. 23/90	"
P-1159224	"	Aug. 24/90	"
P-1159201	Jamieson	"	"
P-1159202	"	"	"
P-1159213	"	Oct. 3/90	Oct. 9/90





SCALE: 1-INCH=40 CHAIN

LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED

(C)  
 (L)  
 (R)  
 (S)  
 (M)  
 (P)  
 (D)  
 (E)  
 (F)  
 (G)  
 (H)  
 (I)  
 (J)  
 (K)  
 (L)  
 (M)  
 (N)  
 (O)  
 (P)  
 (Q)  
 (R)  
 (S)  
 (T)  
 (U)  
 (V)  
 (W)  
 (X)  
 (Y)  
 (Z)

ROBB TWP

NOTES

400' Surface Rights Reservation along the shore of all lakes and rivers.

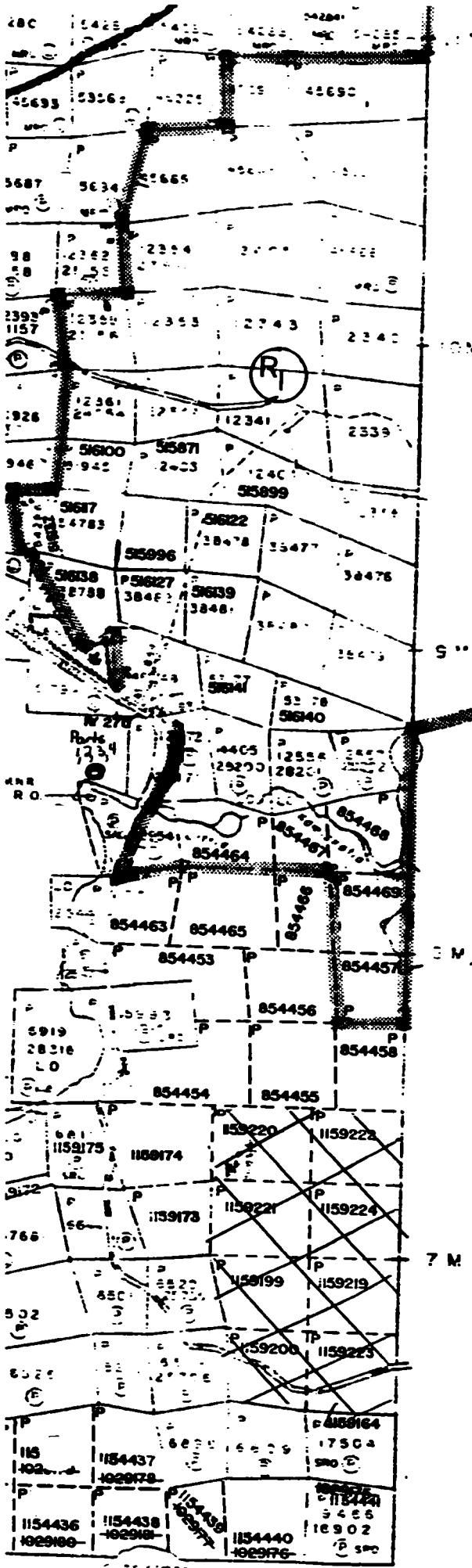
(R<sub>1</sub>) ORDER OF THE MINISTER WITHDRAWS MINING AND SURFACE RIGHTS UNDER SECTION 36, THE MINING ACT, RSO, 1980 ORDER NO. W 27/87 MARCH 12, 1987

F. THIS TWP. SUBJECT TO FOREST ACTIVITY 1991/92 FURTHER INFORMATION ON FILE.

\* PROPOSED SURFACE RIGHTS DISPOSITION UNDER THE P.L.A. -NOTICE RECEIVED MARCH 7 1991

CHECKED BY G. WHITE AUGUST 8, 1989  
 PLACED IN ACTIVE FILE AUGUST 8, 1989

PLAN NO.-M 309



JAMIESON TR. M.288

**ACCESSIBILITY, CLIMATE, LOCAL RESOURCES**

Access to the property is by means of Highway 101 west from Timmins, then north on Highway 576 to the Jamieson/Robb township line and road sign. The highway crosses the southern part of the property.

Climatic conditions are typical for this part of Northern Ontario. Temperatures range from -45 degrees celsius to +35 degrees celcius.

Water resources are available within the property. Mining supplies and manpower are located in Timmins and South Porcupine.

**REGIONAL GEOLOGY**

The geology of the Timmins area consists predominantly of Precambrian (Archean and Proterozoic) metavolcanics and metasediments. The Precambrian rocks were later covered partially by unconsolidated Cenozoic deposits. The Precambrian rocks represent a 40,000 foot thick sequence of lower to middle greenschist facies volcanics and sediments that are divided into three groups. From oldest to youngest the three groups are known as the Deloro, Tisdale and Porcupine Groups. The Deloro Group is a 16,000 foot thick sequence composed of basal ultramafics, andesites and basalt flows followed by dacite flows, calc-alkaline rhyolite and dacite pyroclastic rocks and oxide to sulphide facies iron formations. The Tisdale Group is a 14,000 foot thick sequence composed of basal ultramafic volcanics and komatiites followed by tholeiitic basalts and calc-alkaline pyroclastic rocks. The Porcupine Group is a 10,000 foot thick sequence composed of interlayered wacke, siltstone and conglomerate.

The rocks of the Timmins area were then intruded by rocks of granitic to gabbroic compositions.

Stratigraphic displacement of rock types range from tens of feet to thousands of feet. The most prominent fault in



the Timmins area is known as the Destor-Porcupine Fault. This major structural break trends northeast, dips steeply north and has a width in excess of 400 feet. Other younger fault systems traversing the Timmins area are known as the Montreal River Fault System and the Burrows Benedict Fault System. North of the Destor-Porcupine Fault, 2 major series of deformational-metamorphic events altered the rocks in the region. First, an initial north trending series of folds were subsequently refolded about an east-northeast trending series of folds. South of the Destor-Porcupine Fault, an east-west trending series of folds produced a major structural domain known as the Shaw Dome.

#### **LOCAL GEOLOGY**

From west to east the geology of the claim block consists of mafic to ultramafic intrusive gabbroic rocks of hornblende, tremolite and pegmatitic compositions. These units were intruded by felsic rocks of granitic quartz rich material. All rocks of the claim group were then intruded by mafic dykes.

No major faulting was observed in the claim block, however, stratigraphic displacement in the order of several feet were observed in the stripped area.

**GENERAL HISTORY OF THE CLAIM GROUP**

- 1946-Mining Corporation carried out a geological survey on a portion of the property (Assessment File #T-311).
- 1955-Geo-scientific Prospectors Limited and Yellowknife Mines Ltd. carried out an electromagnetic survey on a portion of the property (a.s. #T-580).
- 1959-Kiro Exploration/\Kirkland Minerals Corp. carried out several surveys including geological mapping, magnetic and electromagnetic geophysical surveys (a.f. #T-580)
- 1964-Mespi Mines Limited carried out magnetic and electromagnetic surveys on parts of the property (a.f. #T-901).
- 1966-Canadian Lencourt Mines Limited completed magnetic and electromagnetic surveys on a portion of the property (a.f. #T-1373).
- 1969-MacMillian Prospecting & Development Limited carried out magnetic and electromagnetic surveys over a portion of the property (a.f. #T-1403).
- 1971-Falconbridge Nickel Mines Limited carried geological, magnetic and electromagnetic surveys over a portion of the property (a.f. #T-497).
- 1982-Samin Canada Ltd. carried out a geological survey over a portion of the property (a.f. #T-2527).
- 1987-Aslan Exploration Development Ltd. carried out a geological survey over a portion of the property (a.f. #T-3130).
- 1990-present owners staked claim block-Robb/Jamieson Boundary Property.

## OPAP PROGRAM

### Purpose of OPAP Study

The major purpose of the OPAP study was to remove the overburden and debris from the on-strike continuation of the oxidized quartz bearing shear zone that was located at the road cut in the northwest quadrant of claim #1159200.

### Property Prospecting

Prospecting of the property verified the geological parameters outlined by R. S. Middleton's Map # 2330 for the Ministry of Natural Resources completed in 1970.

### Stripping/Washing/Mapping/Sampling Program

The back pocket in this report has one completed map of the geology of the stripped area, sample locations, assay results and the location of the work areas in relation to the nearest claim post.

The stripping program uncovered a quartz bearing shear zone trending generally north-south and dipping variably from vertical to 65 degrees west. The shear zone was generally less than a foot wide and void of mineralization. An increase in quartz veining occurred along the shear zone when a felsic dyke came into contact with this zone. This felsic

dyke contained locally up to 2% disseminated pyrite.

The host rock is interpreted to be an ultramafic intrusive volcanic of gabbroic composition. The gabbro is usually unaltered and void of mineralization, however, several irregular trending oxidized zones occur proximal to the shear zone. The oxidized zones are weathered brown and contain up to 5% disseminated sulphides.

#### Assay Results

A total of 15 randomly selected grab samples were analyzed at Swastika Laboratories. Gold and PGM samples were analyzed by using conventional fire assay techniques using a 1/2 assay ton weight followed by an AA finish. The copper assay was determined by using a geochemical analysis for low grade ore and rock samples.

Assay results yielded gold values up to 12 ppb, platinum values under 10 ppb, palladium values under 5 ppb and copper values up to 322 ppm(0.032%). No significant precious or base metal values were recorded where sampling took place. Refer to Appendix I and the enclosed map for all assay results.

Work Schedule and Dates, etc.

Refer to Appendix II for the dates the work was performed, the names of all persons who performed the work and the equipment and cost of the program.


CONCLUSIONS AND OBSERVATIONS

1. Since the 1940's several exploration companies have completed exploration programs on all or parts of the present Robb/Jamieson Boundary Property.
2. A quartz bearing shear zone was associated within a gabbroic intrusive volcanic rock. The gabbro was locally oxidized and pyritized with disseminated sulphides.
3. The program was successful in locating a quartz bearing shear zone hosted in a oxidized, pyritized gabbro. No significant precious or base metal values were obtained from the areas that were sampled.

**RECOMMENDATIONS**

Based on the results of this OPAP program and the relative proximity of the claim block to past ore deposits, the property should be retained and kept in good standing. Further work is recommended on the property. The follow-up program should consist of line-cutting, magnetic and I.P. geophysical surveys and a detailed geological survey over the entire claim block. This program should pay special attention to north-south trending structures as was exposed in this OPAP program.

Respectfully submitted,



Ken Lapierre

Ken Lapierre HBSoc. FGAC.

**BIBLIOGRAPHY****Assessment Office, Ministry of Northern Development and  
Mines, Timmins Branch:**

assessment file #:102  
                           311  
                           497  
                           580  
                           901  
                           1373  
                           1403  
                           2527  
                           3130

**Hogg, Nelson (Resident Geologist-Timmins)**

1950: Report on Some Mineral Occurences in Godfrey and  
 Turnbull Townships-to Dr. M. E. Hurst, Provincial  
 Geologist, Ontario Department of Mines. 148 p.  
 Unpublished Report.

**Middleton, R. S.,**

1970: Geological Branch, 1969-1970-Map 2330-Turnbull  
 And Godfrey Townships, Cochrane District-for the  
 Ontario Division of Mines-scale 1:31,680 or 1  
 inch to 1/2 Mile.

**Pyke, D.R.**

1982: Geology of the Timmins Area, District of Cochrane  
 Ontario Geological Survey Report 219, 141 p.  
 Accompanied by Map 2455, Scale 1:50 000, 3  
 Charts, and 1 Sheet Microfiche.

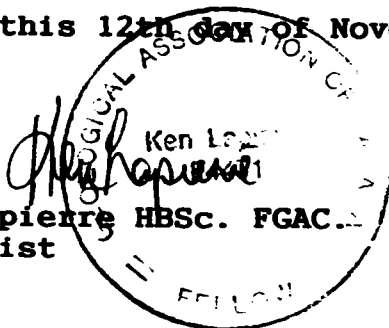
**DECLARATION**

I, Kenneth Lapierre, of the City of Timmins, Province of Ontario, Canada, do state:

- 1) That I am a practising Consultant Geologist with an office at Suite 17 - Hollinger Building, 637 Algonquinn Blvd. E., Timmins, Ontario, and that my mailing address is P.O. Box 1021, Timmins, Ontario, P4N 7H6.
- 2) That I am a graduate with the degree of Honours Bachelor of Science majoring in Geology from The University of Western Ontario, London, Ontario, Canada
- 3) That I have practised my profession as Consultant Geologist since my graduation from The University of Western Ontario in 1983.
- 4) That I am a Fellow of The Geological Association of Canada, and member of the Prospectors and Developers Association of Canada.
- 5) That I am familiar with the material in this report, having examined the material myself.
- 6) That I do have an interest in the property in this report, and that I do expect to have an interest in the property in the future.

Dated this 12th day of November 1991, Timmins, Ontario.

Ken Lapierre HBSc. FGAC  
Geologist







Established 1928

# Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

APPENDIX I

## Geochemical Analysis Certificate

1W-4341-RG1

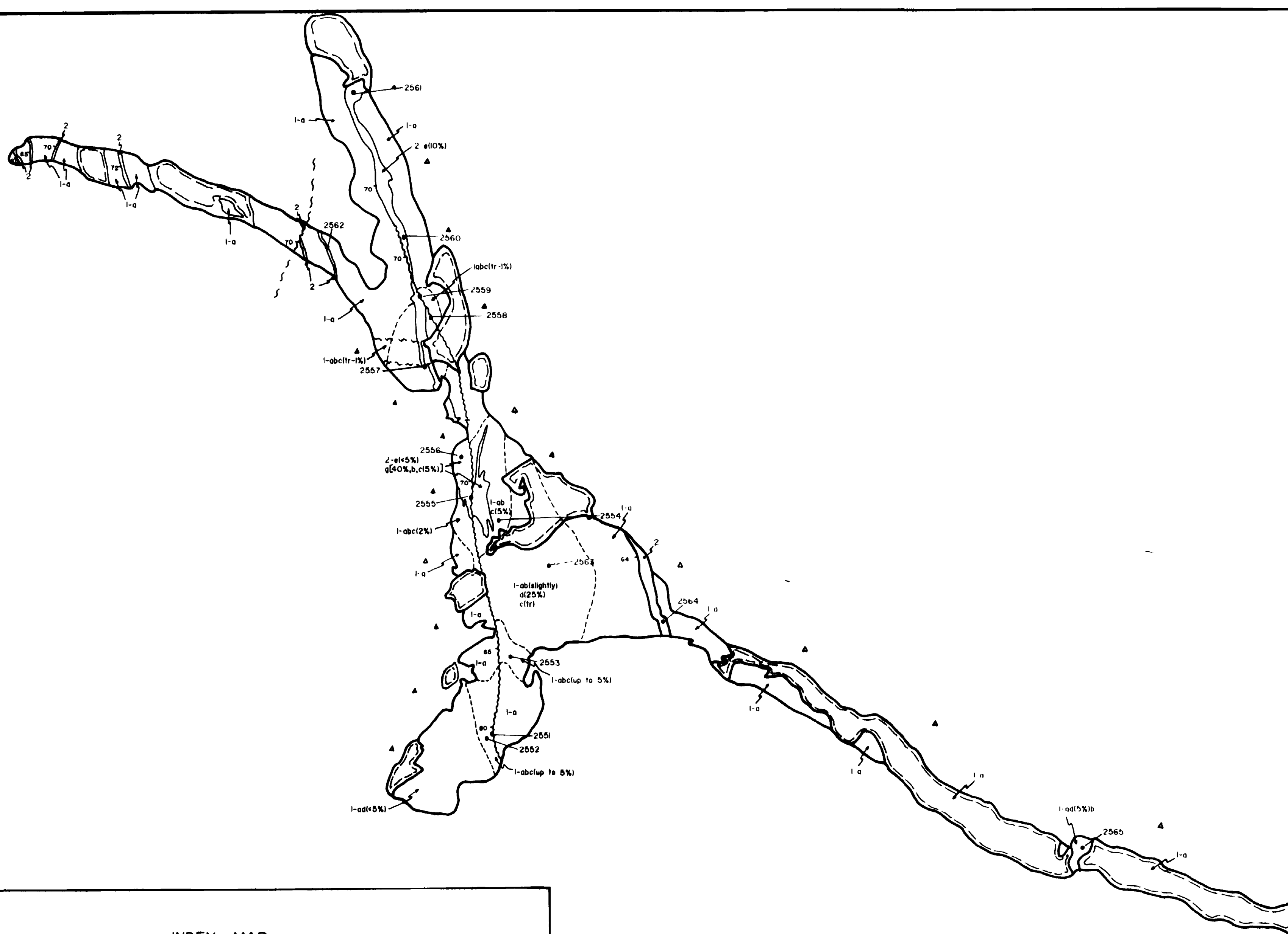
Company: **KEN LAPIERRE**  
 Project: **ROBB/JAMIESON PROPERTY**  
 Attn: **KEN LAPIERRE**

Date: **NOV-07-91**  
 Copy 1. P.O. BOX 1021, TIMMINS, ONT. P4N 7H6  
 2. FAX TO 264-5790

We hereby certify the following Geochemical Analysis of 15 GRAB samples submitted NOV-01-91 by KEN LAPIERRE.

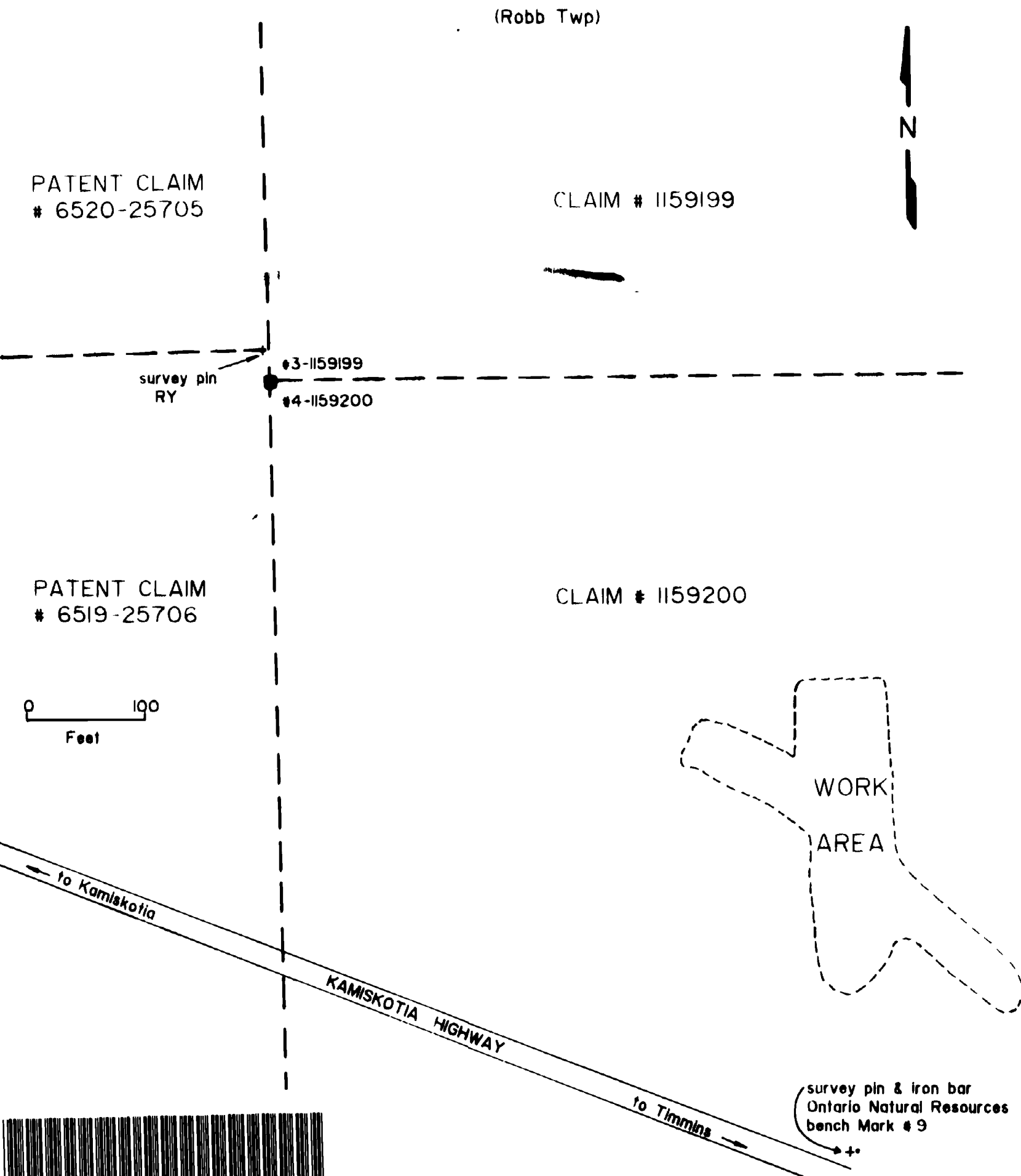
Sample Number	Au ppb	Cu ppm	Pt ppb	Pd ppb
2551	7			
2552	Nil			
2553	10/14 (T)		<10	♁
2554	Nil			
2555	Nil			
2556	Nil			
2557	Nil			
2558	Nil			
2559	Nil	322	<10	♁
2560	Nil			
2561	Nil			
2562	Nil			
2563	7		<10	♁
2564	7			
2565	Nil			

Certified by Donna Gardner



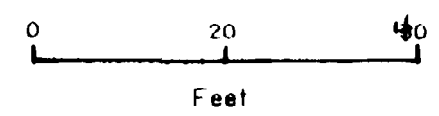
**INDEX MAP**

(Robb Twp)

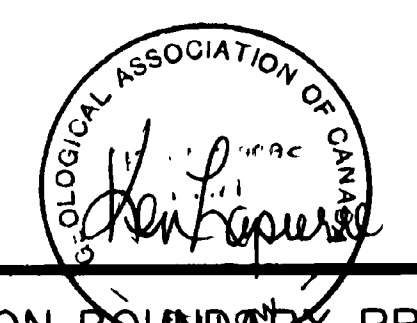


**LEGEND**

- 1 Gabbro
- 2 Felsic Dyke
- a - massive
- b - oxidized
- c - sulphide
- d - NNW/SSE trending felsic dykes
- e - qtz stringers
- f - altered
- g - gabbro xenoliths
- ~ fault/fault zone
- shearing/dip
- gradational contact
- py - pyrite
- cpy - chalcopyrite



Sample #	Au - ppb	Cu - ppm	Pt - ppb	Pd - ppb
2551	7			
2552	Nil			
2553			<10	<5
2554	Nil			
2555	Nil			
2556	Nil			
2557	Nil			
2558	Nil			
2559	Nil	322	<10	<5
2560	Nil			
2561	Nil			
2562	Nil			
2563	7		<10	<5
2564	7			
2565	Nil			



ROBB/JAMIESON BOUNDARY PROPERTY

ROBB/JAMIESON PROPERTY

OPAP PROGRAM - 1991

**TRENCHING - GEOLOGY - SAMPLING**

Date: Oct. 1991 Drawn by: P.G. Interp: K. Lapierre

