

COMINCO LTD.

EXPLORATION
NTS 92I/7W

WESTERN DISTRICT
April 23, 1980

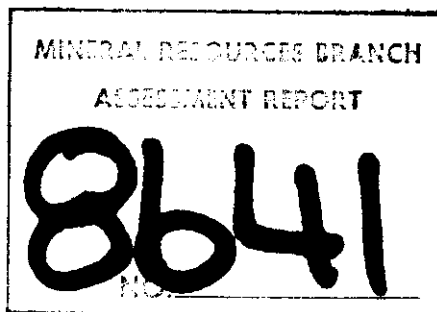
ASSESSMENT REPORT
OF LINECUTTING
ON THE GUMP PROPERTY

(ANTLER 1-7, SCORE 1, LAKE 1&2,
ELF 1, 3-7, MJC 1&2 CLAIMS)

HIGHLAND VALLEY AREA, NICOLA M.D., B.C.

(work performed July 16-23, 1979, and March 7 to April 20, 1980)

LATITUDE: 50°23'N



LONGITUDE: 120°50'W

REPORT BY:

M.J. CASSELMAN

part 2 of 2

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Plate 2. Grid

ASSESSMENT REPORT

OF LINECUTTING

ON THE GUMP PROPERTY

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ELF 1, 3-7, MJC 1&2 CLAIMS)

HIGHLAND VALLEY AREA, NICOLA MD.D, B.C.

INTRODUCTION

During the intervals July 16 to July 23, 1979 and March 7 to April 20, 1980, cut lines and surveyed control lines were put in on the Antler property by D. Martinson Linecutting and Staking Ltd. The linecutting is to facilitate an IP survey which will commence in August 1980. In 1979, 44.2 km of E-W oriented lines and a 7.5 km N-S oriented baseline were flagged and blazed. In 1980, 120.9 km of E-W oriented lines were flagged and blazed and 28.0 km of N-S oriented control lines were chain sawed, picketed and surveyed. The E-W oriented lines were spaced at 400 meter intervals. No distances were marked along these lines as requested by the IP crew.

LOCATION AND ACCESS

The Gump property is situated on the east side of the Guichon Creek Batholith about 30 km north of Merritt. The property extends east-west from just east of Chataway Lake to just east of Mamit Lake and north-south from just south of Gypsum Lake to just north of Gump Lake. Good road access exists to most of the east side of the property via the Merritt to Logan Lake highway or by dirt roads extending from this highway just south and north of Mamit Lake. Access to the west and central parts of the property is through the network of roads extending from either the Chataway Lake road which runs north from the Craigmont Mine access road or from the Billy Lake road which runs south from the Highland Valley highway, about 6 km west of Logan Lake.

TOPOGRAPHY AND VEGETATION

The claim area comprises moderately steep to rolling topography locally dissected by north-south striking gulleys. The area is mostly covered by fir and Jack pine. Elevations range from about 1050 to 1450 m above sea level.

OWNERSHIP

The Gump property, located in the Nicola Mining District, consists of 18 claims totalling 285 units. These claims are all 100% Cominco owned with the exception of the Score and Lake claims which are optioned. Listed below are the claims, record numbers, number of units and due dates.

<u>CLAIM</u>	<u>RECORD NUMBER</u>	<u>NUMBER OF UNITS</u>	<u>DUE DATE</u>
Antler 1	601	18	May 10/80
Antler 2	602	20	" "
Antler 3	603	20	" "
Antler 4	604	20	" "
Antler 5	605	12	" "
Antler 6	812	18	March 4/81
Antler 7	813	15	" "
Score 1	534	20	Feb. 2/81
Lake 1	536	20	Feb. 21/81
Lake 2	537	20	Feb. 21/81
Elf 1	47	8	Dec. 19/80
Elf 3	49	12	" "
Elf 4	50	10	" "
Elf 5	809	20	March 4/81
Elf 6	810	2	" "
Elf 7	811	20	" "
MJC 1	847	18	April 11/81
MJC 2	848	12	April 11/81

LINECUTTING

One baseline and two surveyed control lines, all north-south oriented, were put in as controls for the E-W oriented crosslines. The baseline extends south for 7.5 km from the Legal Corner Post of the Score 1. claim which represents the 4+ 00N position on the line. The two control lines traverse the length of the property, parallel, and are located 1.5 km east and west, respectively, from the base line. The east control line is 13 km long with a one km offset in the northern part in order to circumnavigate a cliff. The west control line is 11 km long.

165.1 km of E-W oriented cross lines traverse the width of the property. The lines are spaced 400 meters apart. No distances were placed along the E-W lines as requested by the geophysicists who will conduct the followup IP survey.

The surveyed control lines required 72 man days to complete at a cost of \$135/man day. The E-W cross lines cost \$120/km.

Report by: Michael J. Casselman
M.J. Casselman
Project Geologist

Endorsed by: F.L. Wynne
F.L. Wynne
Senior Geologist

Approved for
Release by: D.W. Headle for G. Harden
G. Harden, Manager, Exploration
Western District

Distribution:

Mining Recorder
Western District File
Vernon File

MJC/sf

EXPLORATION

WESTERN DISTRICT

Statement of Expenditure for Linecutting on the Gump Property.

Supervision:

F.L. WYNNE - July 16 to July 18, 1979 (3 days @ \$198/day) \$ 594.
M.J. CASSELMAN - March 7 & 8, April 14 & 15 (4 days @ \$179/day) 716.

Report Writing

M.J. CASSELAMN - April 23 & 24 (2 days @ \$179/day) 358.

Linecutting

Crosslines - 165.1 km @ \$120/km 19,812.

Baseline - 7.5 km @ \$120/km 900.

Surveyed control lines - 28 km, 18 days with four man crew
@ \$135/man day 9,720.

Total \$ 32,100.

Signed:



M.J. Casselman
Project Geologist

APPENDIX "B"

EXPLORATION

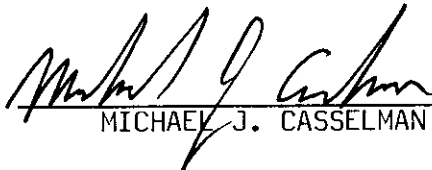
WESTERN DISTRICT

IN THE MATTER OF THE B.C. MINERAL ACT AND
IN THE MATTER OF A LINECUTTING PROGRAM
CARRIED OUT ON THE GUMP PROPERTY
Located in the Nicola Mining Division
of the Province of British Columbia
More Particularly N.T.S. 92 I/7W

A F F I D A V I T

I, MICHAEL J. CASSELMAN, OF THE CITY OF VERNON, IN THE PROVINCE OF BRITISH COLUMBIA, MAKE OATH AND SAY:

1. THAT I AM EMPLOYED AS A PROJECT GEOLOGIST BY COMINCO LTD. AND AS SUCH HAVE A PERSONAL KNOWLEDGE OF THE FACTS TO WHICH I HEREINAFTER DEPOSE;
2. THAT ANNEXED HERETO AND MARKED AS "APPENDIX A" TO THIS MY REPORT IS A TRUE COPY OF EXPENDITURES OF A LINECUTTING PROGRAM CARRIED OUT ON THE GUMP PROPERTY;
3. THAT THE SAID EXPENDITURES WERE INCURRED BETWEEN THE SIXTEENTH DAY OF JULY 1979 AND THE TWENTY THIRD DAY OF JULY 1979 AND THE SEVENTH DAY OF MARCH 1980 AND THE TWENTIETH DAY OF APRIL 1980 FOR THE PURPOSE OF MINERAL EXPLORATION ON THE ABOVE NOTED PROPERTY.


MICHAEL J. CASSELMAN

APPENDIX "C"

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

STATEMENT OF QUALIFICATIONS

I, MICHAEL J. CASSELMAN, OF THE CITY OF VERNON, BRITISH COLUMBIA, HEREBY CERTIFY:

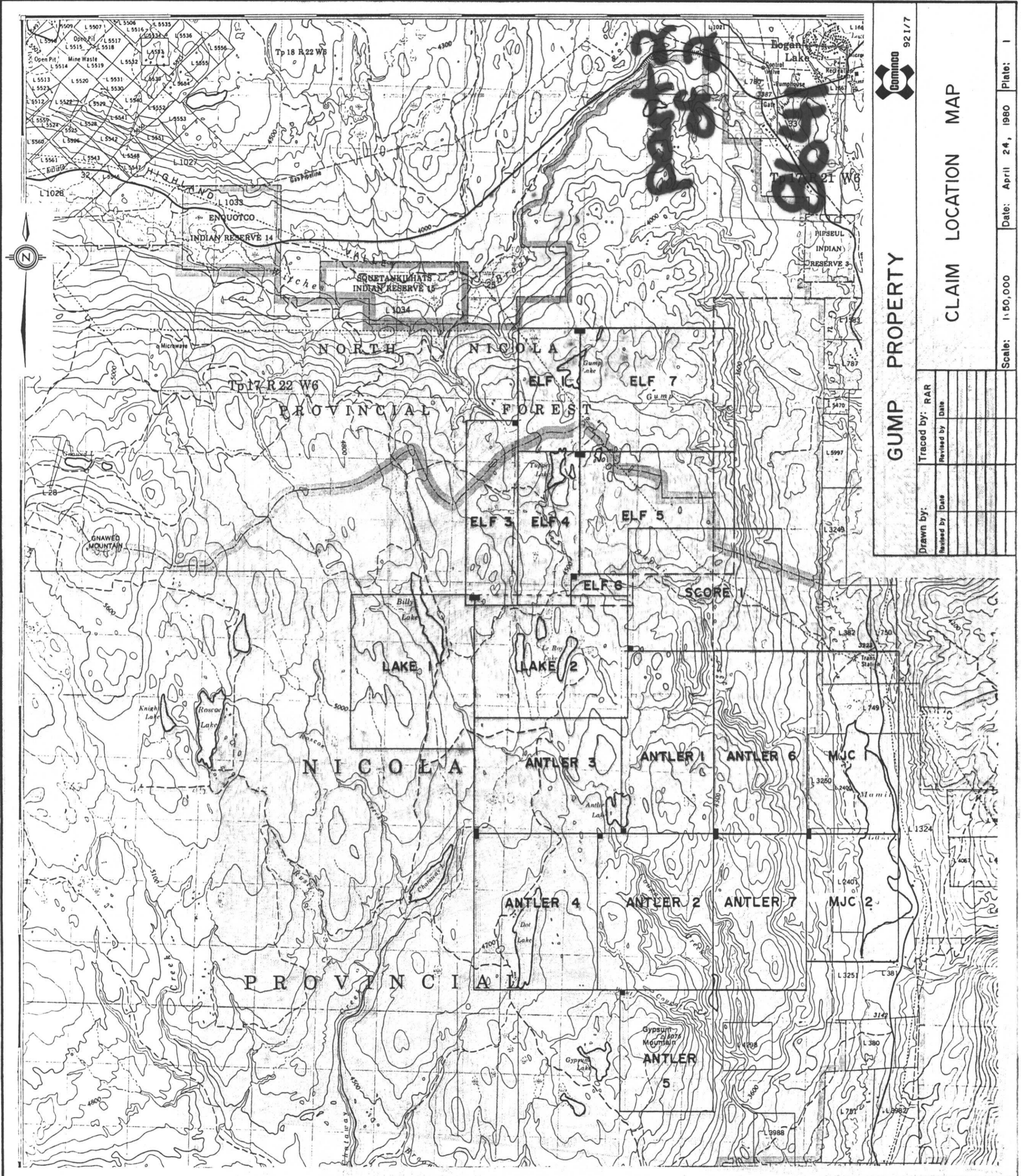
1. THAT I AM A GEOLOGIST, RESIDING AT 8901 CHERRY LANE, VERNON, BRITISH COLUMBIA, WITH A BUSINESS ADDRESS AT 4405-28th STREET, VERNON, BRITISH COLUMBIA.
2. THAT I GRADUATED WITH B.Sc. AND M.Sc. DEGREES IN GEOLOGY FROM THE UNIVERSITY OF BRITISH COLUMBIA IN 1969 AND CARLETON UNIVERSITY IN 1977.
3. THAT I HAVE PRACTISED GEOLOGY WITH COMINCO LTD. FROM 1969 TO PRESENT.

DATED THIS 24th day of April 1980 at Vernon, British Columbia.

SIGNED



Michael J. Casselman, M. Sc.



92177

GUMP PROPERTY

CLAIM LOCATION MAP

Traced by: RAR	
Revised by	Date

Drawn by:

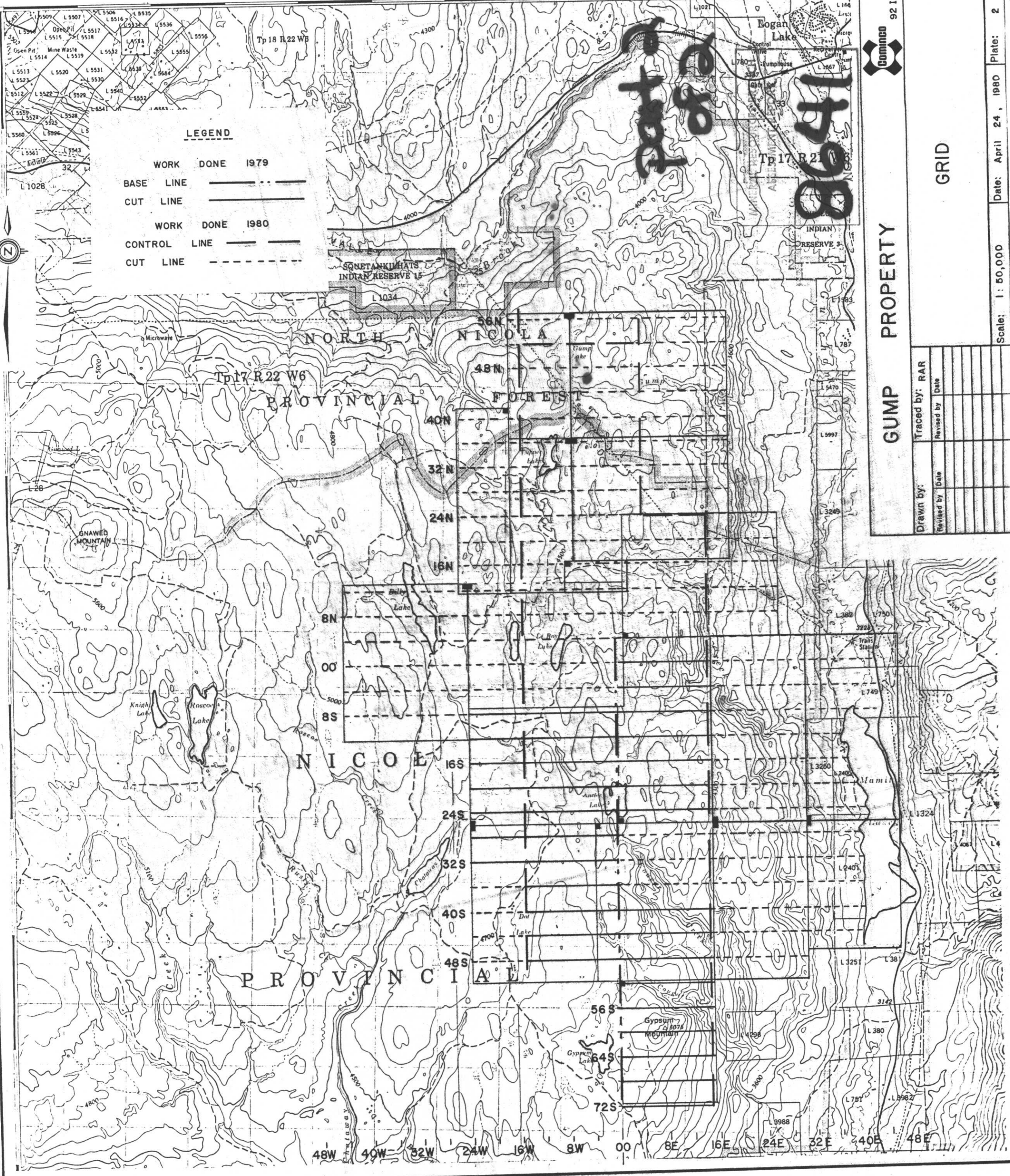
Revised by

Date

Scale: 1:50,000

Date: April 24, 1980

Plate: 1



LEGEND

- WORK DONE 1979
 - BASE LINE ————
 - CUT LINE ————
- WORK DONE 1980
 - CONTROL LINE ————
 - CUT LINE - - - - -



921/7

GUMP PROPERTY

Drawn by:	RAR
Revised by:	
Date:	
Revised by:	
Date:	

GRID

Scale: 1 : 50,000

Date: April 24, 1980

Plate: 2