

COMINCO LTD.

EXPLORATION

NTS: 921/9W

WESTERN DISTRICT

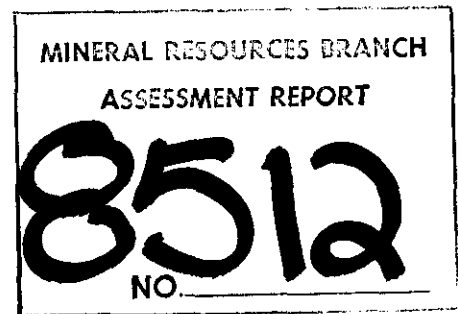
December 1, 1980

ASSESSMENT REPORT  
PERCUSSION DRILLING  
AJAX-MONTE CARLO PROPERTY

JACKO LAKE AREA - KNUTSFORD  
KAMLOOPS, M.D., B.C.

LONGITUDE: 120°22' LATITUDE: 50°38'N

Drilling Performed November 3 - November 15, 1980 on  
Mineral Claim Map 4 Fr.



S.B. BUTRENCHUK

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INTRODUCTION

The Ajax property is an alkaline porphyry copper prospect located in the Jacko Lake Area approximately 6 miles S.W. of Kamloops. The 1980 percussion drilling described in this report and completed during the period November 3 to November 15, 1980 was designed to test a weak IP anomaly and to fulfill assessment requirements on Mineral Claim Map 4 Fr. held under agreement with New Minex Resources Inc.

GENERAL GEOLOGY

The Ajax property is located along the southeastern margin of the Iron Mask Batholith, a multi-unit intrusion of Triassic age that is both intruded into and coeval with similar age Nicola Volcanic rocks. Underlying the property are predominantly the two youngest phases of the batholith - the Sugarloaf Unit and Cherry Creek Unit. Within each of these units a variety of rock types are present, the predominant rock types being diorite of the Sugarloaf Unit and monzonite of the Cherry Creek Unit. The southern edge of the property is underlain by Nicola volcanic rocks. Along the northern boundary of the property rocks of the Hybrid Unit may be present.

PERCUSSION DRILLING

During the period November 3 to November 15, four vertical percussion drill holes totalling 366 meters (1200 feet) were drilled on the Map 4 Fr. Mineral Claim. Percussion cuttings were sampled at conventional ten foot (3.3 meter) intervals. Samples were collected in plastic refuse containers, a flocculating agent added to settle out the fines and the free water decanted. The remaining material was then transferred to a filter bag where as much of the water as possible was removed and then placed in a plastic bag and shipped to Cominco's laboratory in Vancouver where these samples were analysed for copper using standard A.A. techniques. A portion of the sample was retained for visual examination.

## ROCK DESCRIPTION

PHWT80-155

Length 200' (91 m)

<u>Interval (feet)</u>	<u>Lithology</u>	<u>Note</u>
0 - 12	Overburden	
19 - 300	Hybrid Unit	Dioitic intrusive containing moderate biotite, traces of k-feldspar, 1-8% magnetite and approximately 0.5% Pyrite. Only weak alteration exhibited by biotite to either chlorite or muscovite in some sections. Only traces of chalcopyrite present.

PHWT80-156

Length 200' (91 m)

<u>Interval (feet)</u>	<u>Lithology</u>	<u>Note</u>
0 - 27	Overburden	
27 - 300	Hybrid Unit	Dioritic intrusive containing 10 - 20% magnetite, 1-5% pyrite and trace amounts of epidote. Weak to moderate propylitic alteration in the form of chlorite and albite throughout the hole. Approximately 0.1 to 0.5% chalcopyrite throughout the hole.

PHWT80-157

Length 200' (91 m)

<u>Interval (feet)</u>	<u>Lithology</u>	<u>Note</u>
0 - 6	Overburden	
6 - 280	Hybrid Unit	Biotite dioritic intrusive containing 3-10% magnetite and approximately 2% pyrite. Moderate propylitic alteration.

280 - 30                      Albitite                      Leucocratic, fine-grained  
 composed mainly of albitite with  
 moderate carbonate material  
 present.

PHWT80-158  
 Length 300' (91 m)

<u>Interval (feet)</u>	<u>Lithology</u>	<u>Note</u>
0 - 6	Overburden	
6 - 180	Hybrid	Dioritic rock containing secondary chlorite and sericite, 5-10% magnetite and 1-5% pyrite. Weak chalcopyrite present (less than 0.5%)
180 - 220	Albitite	Leucocratic rock composed of very fine-grained secondary albitite.
220 - 300	Hybrid	Dioritic intrusive containing biotite, secondary chlorite, 3-10% magnetite, 1-3% pyrite and 0.3 - 1.0 % chalcopyrite.

CONCLUSIONS:

The percussion drilling on the Map 4 Fr mineral claim intersected sufficient amounts of pyrite, Magnetite and chalcopyrite to explain the weak IP anomaly present in this area. No intersections of interesting mineralization were intersected and therefore, no further drilling is recommended.

Reported by: Stephen B. Butrenchuk  
 Stephen B. Butrenchuk  
 Geologist, Exploration  
 Western District

Endorsed by: D. W. Heddle  
 D.W. Heddle  
 Assistant Manager, Exploration  
 Western District

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

Attachments

Location Map  
Drilling Plan  
Statement of Qualifications  
Statement of Expenditures  
Assay Sheets

Distribution:

Mining Recorder	- 2
New Minex Resources	- 1
W.D.	- 1
Author	- 1

SBB/mh

STATEMENT OF QUALIFICATIONS

AJAX-MONTE CARLO PROPERTY

I, Stephen B. Butrenchuk, with business address at 700 - 409 Granville Street, Vancouver, British Columbia, V6C 1T2, do hereby certify that I have supervised the percussion drilling program on the Ajax-Monte Carlo property.

I also certify that:

1. I am a graduate of the University of Manitoba with a B.Sc. degree in 1966 and an M.Sc degree in Geology 1970.
2. I have been involved in exploration work for Cominco Ltd. since 1970.
3. I have been involved with the exploration work on the Ajax-Monte Carlo property during the period January 1, 1980 to the present.

Respectfully submitted:

Stephen B. Butrenchuk.

Stephen B. Butrenchuk, B.Sc., M.Sc.  
Geologist, Western District.

December 1, 1980

STATEMENT OF EXPENDITURES

Percussion Drilling:

1200 feet @ \$5.75/foot	\$ 6,900
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Salaries:

S.B. Butrenchuk	3 days @ \$120/day	360
B. Carmichael	2 days @ \$ 75/day	150
H.R. Bullis	2 days @ \$100/day	200
B. Ames	2 days @ \$ 80/day	160

Water Hauling	13 hours @ \$30/hr.	390
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Analyses	110 samples @ \$4.25/sample	467.50
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TOTAL	\$ 8,627.50
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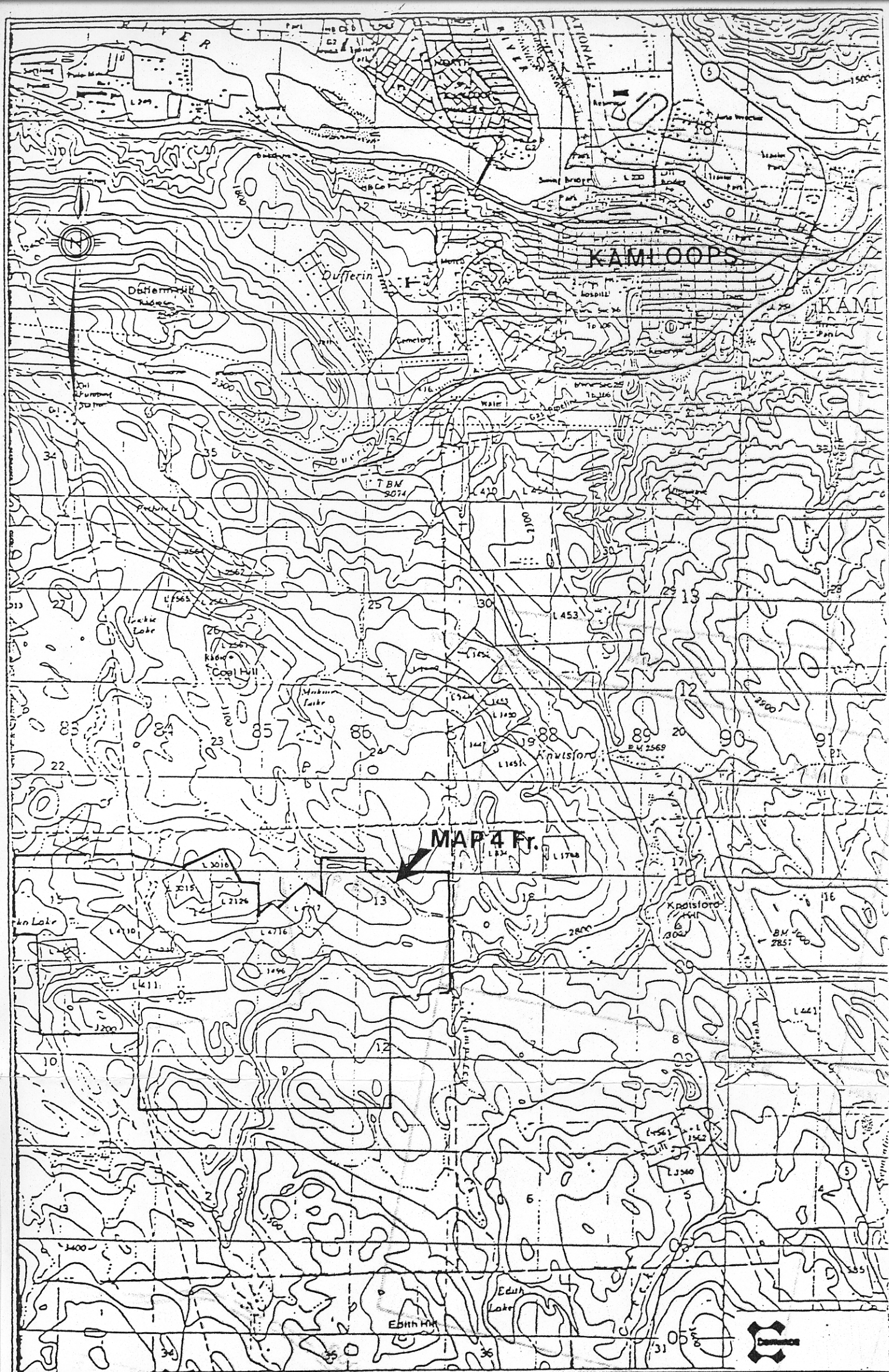
ASSAY SHEETS-PERCUSSION DRILLING

<u>Hole No.</u>	<u>Interval(feet)</u>	<u>Cu (ppm)</u>
WT80-155	19-30	350
WT80-155	30-40	315
WT80-155	40-50	144
WT80-155	50-60	156
WT80-155	60-70	104
WT80-155	70-80	81
WT80-155	80-90	51
WT80-155	90-100	80
WT80-155	100-110	72
WT80-155	110-120	108
WT80-155	120-130	120
WT80-155	130-140	167
WT80-155	140-150	226
WT80-155	150-160	233
WT80-155	160-170	145
WT80-155	170-180	110
WT80-155	180-190	105
WT80-155	190-200	120
WT80-155	200-210	143
WT80-155	210-220	197
WT80-155	220-230	143
WT80-155	230-240	176
WT80-155	240-250	309
WT80-155	250-260	230
WT80-155	260-270	132
WT80-155	270-280	124
WT80-155	280-290	260
WT80-155	290-300	128
WT80-156	27-40	105
WT80-156	40-50	123
WT80-156	50-60	269
WT80-156	60-70	1220
WT80-156	70-80	245
WT80-156	80-90	290
WT80-156	90-100	267
WT80-156	100-110	263
WT80-156	110-120	218
WT80-156	120-130	200
WT80-156	130-140	198
WT80-156	140-150	184
WT80-156	150-160	217
WT80-156	160-170	204
WT80-156	170-180	364
WT80-156	180-190	232
WT80-156	190-200	215



<u>Hole No.</u>	<u>Interval (feet)</u>	<u>Cu (ppm)</u>
WT80-156	200-210	246
WT80-156	210-220	150
WT80-156	220-230	165
WT80-156	230-240	150
WT80-156	240-250	146
WT80-156	250-260	117
WT80-156	260-270	116
WT80-156	270-280	137
WT80-156	280-290	209
WT80-156	290-300	212
WT80-157	17-30	81
WT80-157	30-40	68
WT80-157	40-50	193
WT80-157	50-60	284
WT80-157	60-70	939
WT80-157	70-80	646
WT80-157	80-90	212
WT80-157	90-100	254
WT80-157	100-110	210
WT80-157	110-120	162
WT80-157	120-130	257
WT80-157	130-140	144
WT80-157	140-150	285
WT80-157	150-160	166
WT80-157	160-170	175
WT80-157	170-180	193
WT80-157	180-190	148
WT80-157	190-200	140
WT80-157	200-210	138
WT80-157	210-220	327
WT80-157	220-230	291
WT80-157	230-240	307
WT80-157	240-250	128
WT80-157	250-260	103
WT80-157	260-270	128
WT80-157	270-280	150
WT80-157	280-290	83
WT80-157	290-300	60
WT80-158	27-40	383
WT80-158	40-50	501
WT80-158	50-60	136
WT80-158	60-70	122
WT80-158	70-80	201
WT80-158	80-90	180
WT80-158	90-100	235
WT80-158	100-110	125
WT80-158	110-120	132
WT80-158	120-130	152

<u>Hole No.</u>	<u>Interval (feet)</u>	<u>Cu (ppm)</u>
WT80-158	130-140	204
WT80-158	140-150	197
WT80-158	150-160	215
WT80-158	160-170	87
WT80-158	170-180	62
WT80-158	180-190	87
WT80-158	190-200	78
WT80-158	200-210	60
WT80-158	210-220	120
WT80-158	220-230	184
WT80-158	230-240	204
WT80-158	240-250	480
WT80-158	250-260	376
WT80-158	260-270	219
WT80-158	270-280	150
WT80-158	280-290	156
WT80-158	290-300	254



Drawn by: <b>S.B.B.</b>	Traced by:
MINERAL RESOURCES BRANCH	
ASSESSMENT REPORT	
<b>8512</b>	
NO.	

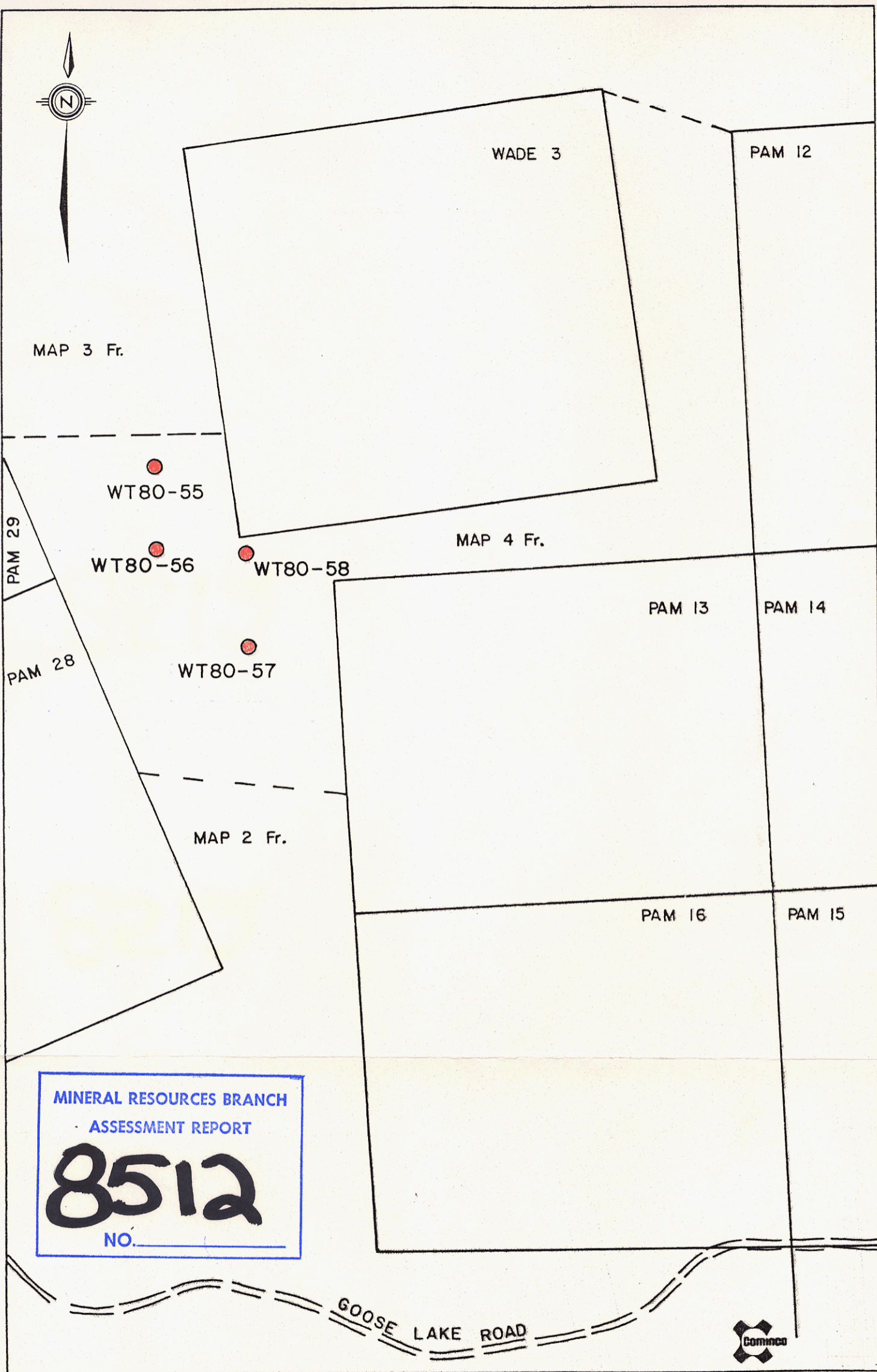
# AJAX - MONTE CARLO

Scale: 1:50,000

Date: November, 1980

Plate: Ajax-1





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**8512**  
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Revised by	Date	Revised by	Date

**PERCUSSION DRILL HOLE LOCATIONS**

Scale: 1:5,000      Date: November, 1980      Plate: AJAX-2