

84-#315-12254

ASSESSMENT REPORT
GEOLOGICAL AND GEOCHEMICAL SURVEY
ON THE
PI 1 - 3 MINERAL CLAIMS
N.T.S. 82E/9
49°36'N Lat. 118°16'W Long.
GREENWOOD MINING DIVISION

John Keating

Noranda Exploration Company, Limited

(No Personal Liability)

May 25 - May 30, 1983

GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,254

ABSTRACT

During May 1983 geological and geochemical surveys were completed on the PI 1-3 mineral claims by Noranda Exploration Company, Limited.

The claims, some 67 km north of Grand Forks, B.C. lie on the northern edge of the Franklin Mining Camp.

Geologically, the claim group is underlain by two periods of volcanism and sedimentation (Midway Volcanic Group, Kettle River Formation), which unconformably overly a granodioritic (Nelson) basement complex.

The geochemical survey produced 141 samples of which, 3 coincident silt samples and 6 soil samples returned anomalous copper values with one soil sample displaying higher than background zinc.

1) INTRODUCTION

The PI 1-3 mineral claims, comprising 42 units, were staked in the spring of 1983 by Amex Exploration Services Limited of 1714 Clifford Avenue, Kamloops, for Noranda Exploration Company, Limited (No Personal Liability). Staking was undertaken on the premise that the area was geologically similar in age, lithologies and structure to that of the Phoenix Camp.

Between May 25 and May 30, 1983, a reconnaissance geological mapping programme (scale 1:10,000) and geochemical survey (120 soil samples, 21 silt samples) were completed on the PI claims and pertinent adjacent areas.

Due to the shape and size of the claim blocks, in relation to lithology, structure and topography, it was necessary to extend the soil, silting and mapping surveys to the south in order to properly assess the properties potential. In doing this the Opher Crown Grant was also covered.

The exploration programme was restricted, west of Burrell Creek, due to high water which had washed out the east bank road some 20 km south of the property.

2. LOCATION AND ACCESS

The PI 1-3 claims are located some 67 km north of Grand Forks and 12 km west of Lower Arrow Lake, on Tenderloin Mountain. They are centered on longitude 118°16' and latitude 49°36', within the Greenwood Mining Division on N.T.S. mapsheet 82E9W/2.

Access is good, via the Granby River Road north from Grand Forks for some 40 km. Then follow the Burrell Creek road (secondary dirt road) some 20 to 25 km, to the base of Tenderloin Mountain.

3. TOPOGRAPHY

PI 1 and PI 2 claims straddle the west, central and southern half of Tenderloin Mountain, which has an approximate maximum elevation of 1,620 metres. Where as the PI 3 claim flanks the east bank of Burrell Creek.

Terrain varies from gentle to moderately rugged with a maximum relief of 730 metres.

4. CLAIMS INFORMATION

Claim Name	Owner	Record #	Record Date
PI 1	Noranda Exploration	3964	April 11/83
PI 2	Company, Limited	3965	April 11/83
PI 3	(No Personal Liability)	3966	April 11/83

5. GEOCHEMICAL SURVEY

5.1 Introduction

One hundred and twenty soil samples and 21 silt samples were collected from the PI claims and immediate adjacent areas. Analysis was done for parts per million copper, zinc, lead, silver, molybdenum, arsenic and parts per billion gold at Noranda Exploration Company, Limited (No Personal Liability) laboratory at 1050 Davie Street, Vancouver, B.C.

Anomalous values for copper and zinc are considered to be Cu (150 ppm), Zn (220 ppm). All other commodities (Ag,Au,Pb,Mo + As) have values which are too low to be considered.

5.2 Silt Sampling Methods

Silt samples were obtained by hand selecting a portion of the finest transported material available, preferably free of organic impurities, from accessible stream beds. The samples were placed in "Hi Wet Strength Kraft 3 1/2" x 6 1/8" Open End" envelopes and the sample numbers were marked on the envelopes with an indelible felt pen. The sample locations were recorded on 1:10,000 scale topographic map .

5.3 Soil Sampling Method

Soil samples were obtained by digging holes with a maddock to a depth of 15 - 30 cm where the visible B horizon when ever possible was exposed. Samples were then placed in a "Hi Wet Strength Kraft 3 1/2 x 6 1/8" Open End" envelopes with the sample number marked on the envelopes with an indelible felt pen. The sample locations were recorded on 1:10,000 scale topographic field maps.

5.4 Laboratory Analytical Methods

5.4.1. Preparation

The silt and soil samples were dried at approximately 80°C and then sieved with a -80 mesh nylon screen. The -80 mesh (0.18 mm) fraction is then used for geochemical analysis.

5.4.2. Analysis

Ag,Cu,Pb,Zn and Mo: 0.200 grams of -80 mesh material is digested in concentrated perchloric acid and nitric acid (3:1) at reflux temperature for 5.0 hours. A Varian-Techtron Model AA-5 or AA-475 Atomic Absorption Spectrophotometer is then used to determine the parts per million (ppm) silver, copper, lead,, zinc and molybdenum in each sample.

Au: 10.0 grams of -80 mesh material is digested with aqua regia (one part nitric acid and 3 parts hydrochloric acid). The resulting solution is subjected to MIBK (Methylisobutyl Ketone) extraction, which extract is analyzed for parts per billion (ppb) gold using an AA-475 Atomic Absorption Spectrphotometer.

As: 0.2 - 0.3 grams of -80 mesh material is digested with 1.5 ml of (70%) perchloric acid and 0.5 ml of concentrated nitric acid. A Varian AA-475 Atomic Absorption Spectrophotometer, equipped with an As-EDL, is used to measure arsenic content in the digest.

5.5 Presentation of Results

Geochemical (silt/soil) results for the PI claims are presented in Appendix 1 and on Map 1 of this report. Map 1 is a 1:10,000 scale location plot of the sample numbers with their corresponding values of ppm Cu,Pb,Zn,Ag,Mo,As and ppb Au in tabular form.

5.6 Discussion of Results

5.6.1. Stream Sediment Silt Samples

The majority of Cu,Zn,Pb,Ag,Mo,As and Au analysis fall within background levels, with the exception of 3 coincident anomalous copper samples (#30025, 30101, 30102). These occur at the headwaters of Pinto Creek on the PI 2 claim and represent a contiguous trend of approximately 200 meters in length.

5.6.2 Soil Samples

The majority of Cu,Zn,Pb,Ag,Mo, Au and As analysis fall within or slightly above background levels. One weakly anomalous zinc sample (#30230) has two adjacent samples (#30231, 30232) which are very slightly elevated in zinc.

Sporadic highs in copper values occur on the Opher Crown Grant (#30031) and flanking Gloucester Creek (samples 30126, 30129, 30139, 30146, 30147). The anomalous copper values on Gloucester Creek occur within a horizontal span of 800 metres, but do not appear to form any contiguous trend.

6. GEOLOGICAL SURVEY

6.1 Introduction

Twelve man days were spent mapping the PI 1, PI 2 part of the PI 3 and immediate surrounding areas. The remainder of the PI 3 claim was inaccessible, due to the road being washed out, as mentioned in the introduction.

The mapping was plotted on a 1:10,000 scale topographic field map and is presented on Map 2 (scale 1:10,000) of this report.

6.2 General Geology

The region is underlain by a Jurassic granodioritic basement complex which is unconformably overlain by Tertiary rhyolitic to dacitic flows and sediments. These in turn have been intruded and capped by intermediate intrusives (monzonite, syenite) and their extrusive equivalents (tachyte).

6.3 Lithological Descriptions & Discussion

Jurassic in age, the granodioritic rocks form part of the Nelson Batholith complex which represent the oldest rocks on the claim group. They are greyish-green to white, weathering grey to grey-brown and appear uniform in composition and texture. The major constituents are plagioclase feldspar and amphibole (hornblende).

Unconformably overlying the granodiorite is the Kettle River Formation (Tertiary). This sequence of acidic flows, minor tuffs and clastic sediments is rarely exposed on the claim blocks and is visible in the south-east corner of PI 2 and north-west corner of the PI 3 claim. The clastic sediments are medium to pebble size conglomerates with minor interbedded sandstone (arkosic wacke) units, which may show graded bedding. The acidic volcanics are rhyolitic to dacitic flows and minor tuffs. They are massive, purple-grey to grey and sometimes porphyritic (feldspar phenocrysts) with an aphanitic groundmass.

The grey-brown to pink, medium grained, equigranular monzonite plug, which forms the peak of Tenderloin Mountain may represent a feeder for the young Tertiary Volcanic flows.

The Trachytic flows belong to the Midway Volcanic Group and form a blanket, covering over 2/3 of the PI 2 claim block. They are purple-pink, weathering grey-brown to reddish brown, massive and often porphyritic.

The Syenite Intrusive which is just south of the Opher Crown Grant is pink-grey, weathering grey, essentially medium grained, but can be slightly porphyritic with up to 1 cm K-feldspar phenocrysts.

6.4 Mineralization

The only mineralization found was on the PI 2 claim and consisted of a 0.5 m wide, 4 m long silicified shear zone containing less than 1% pyrite and chalcopyrite.

6.5 Structure

Graded bedding, in the sandstones of the Kettle River Formation, indicates a strike of Az 47° with dips of 10° to the north-west. No major faulting or folding was noticed.

7. SUMMARY AND RECOMMENDATIONS

The PI 1-3 claims consist of a Tertiary Monzonitic plug and Trachytic flows which intrude and unconformably overly older acidic volcanic flows and clastic sediments. This entire package is sitting unconformably on a Jurassic Granodioritic basement complex.

The reconnaissance geochemical survey produced two areas of interest. One of these is located at the headwaters of Pinto Creek and consists of 3 coincident silt samples returning anomalous copper values. The other is a indiscrete zone of 6 sporadic copper highs in soil samples which straddle Gloucester Creek on the PI 1 claim.

The follow-up programme, if considered, should consist of detailed mapping, soil sampling and geophysics (if warranted) for those areas returning anomalous copper values.

BIBLIOGRAPHY

Drysdale, C.W.: Geology of Franklin Mining Camp, Geol. Surv. Can.

APPENDIX 1

SOIL SAMPLE RESULTS

SILT SAMPLE RESULTS

Entered June 22 1983
C.D.

NORANDA GEOCHEM LABORATORY

8306-011

LOCATION Phoenix PROJECT 1066 COLLECTOR P. B. DATE RECEIVED June 13 / 83 CODE 8306-011 SHEET 1

MATERIAL S, It - Soil DATE ANALYSED June 19 / 83 ANALYST RF

REMARKS Cu, Zn, Pb, Ag, Mo in ppm; Au in ppb.
(0.2g / 2 ml HClO₄, HNO₃ → 5 ml)

T.T. NO.	SAMPLE NO.	Cu	Zn	Pb	Ag	Mo	Au	(Au weight)	As	MTS	OCI
	Check ML-3	60	60	8	0.8	6	—		280	—	—
2	30001	20	48	2	0.2	< 2	10		< 2	82E/9	02155
3	2	86	32	2	0.8	2	10		< 2		
4	3	40	38	2	0.2	< 2	10		< 2		
5	4	16	38	2	0.2	< 2	10		< 2		
6	5	26	76	2	0.2	< 2	10		< 2		
7	6	12	42	2	0.2	< 2	10		< 2		
8	7	50	100	6	0.4	< 2	10	(5.0g)	< 2		
9	8	12	120	2	0.2	< 2	10		< 2		
10	9	10	74	2	0.2	< 2	10		< 2		
1	10	10	64	2	0.2	< 2	10		< 2		
2	11	16	66	2	0.4	< 2	10		< 2		
3	12	110	42	2	0.2	4	10		< 2		
4	13	62	70	2	0.4	2	10		< 2		
5	30014	120	78	2	0.4	< 2	10		< 2		
6	30051	50	64	2	0.2	< 2	10		< 2		
7	2	90	40	12	0.2	< 2	10	(2.9g)	< 2		
8	3	34	60	2	0.2	< 2	10		< 2		
9	4	28	76	2	0.2	< 2	10		< 2		
20	5	10	60	4	0.2	< 2	10		< 2		
1	6	12	56	4	0.2	< 2	10		< 2		
22	30057	68	90	6	0.2	< 2	10		< 2	82E/9	02155

n/c

NORANDA GEOCHEM LABORATORY

LOCATION Phoenix PROJECT 1066 COLLECTOR D.B DATE RECEIVED June / 3 / 83 CODE 8306-011 SHEET 2

MATERIAL Site - Soil DATE ANALYSED June / 9 / 83 ANALYST RF

REMARKS Cu, Zn, Pb, Ag, Mo in ppm; Au in ppb.
(0.2 g / 2 ml HClO₄ · HNO₃ → 5 ml)

T.T. NO.	SAMPLE NO.	Cu	Zn	Pb	Ag	Mo	Au	As	NTS	GCI
23	30058	6	68	4	0.2	< 2	10	< 2	82E/9	02155
4	59	12	130	2	0.2	< 2	10	< 2		
5	60	14	60	4	0.2	< 2	10	< 2		
6	61	8	46	2	0.2	< 2	10	< 2		
7	62	24	46	2	0.2	< 2	10	< 2		
8	63	26	48	2	0.2	< 2	10	< 2		↓
9	64	20	56	2	0.2	< 2	10	< 2		02155
30	65	18	56	2	0.2	< 2	10	< 2		02156
1	66	50	54	2	0.2	< 2	10	< 2		
2	67	14	40	2	0.2	< 2	10	< 2		
3	68	28	130	4	0.2	< 2	10	< 2		
4	69	50	64	4	0.2	< 2	50	< 2		
5	70	28	46	2	0.2	< 2	10	< 2		
6	71	50	56	4	0.2	< 2	10	< 2		
7	72	54	40	4	0.2	< 2	10	< 2		
8	73	36	100	2	0.2	< 2	20	< 2		
9	74	34	48	4	0.2	< 2	40	< 2		
40	30075	20	46	2	0.2	< 2	10	< 2		
1	30125	50	52	2	0.2	2	10	< 2		
2	6	1600	58	6	0.8	4	10	< 2		
3	7	52	48	4	0.2	2	10	< 2	↓	↓
44	30128	32	66	6	0.2	2	30	< 2	82E/9	02156

NORANDA GEOCHEM LABORATORY

LOCATION Phoenix PROJECT 1066 COLLECTOR D.B DATE RECEIVED June / 3 / 83 CODE 8306-011 SHEET 3

MATERIAL Silt - Soil DATE ANALYSED June / 9 / 83 ANALYST RF

REMARKS Cu, Zn, Pb, Ag, Mo in ppm, Au in ppb.
(0.2 g / 2 ml HClO₄ · HNO₃ → 5 ml)
N/C

T.T. NO.	SAMPLE NO.	Cu	Zn	Pb	Ag	Mo	Au	(Au weight)	As	MTS	GCI
45	30129	300	90	4	0.2	< 2	10		< 2	82E/9	02156
6	30	30	50	2	0.2	< 2	10		< 2		
7	31	8	22	2	0.2	< 2	10		< 2		
8	32	20	68	6	0.2	< 2	20		< 2		
9	33	82	78	4	0.2	< 2	50		< 2		
50	34	52	48	2	0.2	< 2	20		< 2		
1	35	12	80	2	0.2	< 2	20		< 2		
2	36	12	50	16	0.2	< 2	10		2		
3	37	80	62	10	0.2	< 2	10	(2.6g)	< 2		
4	38	38	42	4	0.2	2	10		6		
5	39	350	110	8	0.2	4	10		10		
6	40	20	110	4	0.2	< 2	10		< 2		
7	41	140	70	6	0.4	6	10		< 2		
8	42	52	46	2	0.2	< 2	10		2		
9	43	110	50	4	0.2	2	10	(5.5g)	< 2		
60	44	10	54	4	0.2	< 2	10		2		
1	45	12	34	4	0.2	< 2	10		< 2		
2	46	220	130	26	0.2	< 2	10	(5.0g)	< 2		
3	47	190	30	2	0.2	< 2	20		< 2		
4	48	22	48	2	0.2	< 2	10		< 2		
5	49	14	40	4	0.2	< 2	20		< 2		
66	30150	120	58	4	0.2	2	20		< 2	82E/9	02156

NORANDA GEOCHEM LABORATORY

LOCATION Phoenix PROJECT 1066 COLLECTOR D.B DATE RECEIVED June / 3 / 83 CODE 8306-011 SHEET 4
 MATERIAL Silt - Soil DATE ANALYSED June / 9 / 83 ANALYST RF
 REMARKS Cu, Zn, Pb, Ag, Mo in ppm; Au in ppb
(0.2 g / 2 ml HClO₄ HNO₃ → 5 ml)

T.T. NO.	SAMPLE NO.	Cu	Zn	Pb	Ag	Mo	Au	(Au weight)	As	NTS	GCI
67	30023	40	60	18	0.4	< 2	10	(4.1g)	2	82E/9	02156
8	4	34	58	8	0.6	< 2	10		2		
9	30025	300	80	14	1.2	2	10		8		
70	30101	200	70	6	0.6	2	20	(5.0g)	< 2		
1	2	170	68	6	0.6	< 2	20	(5.0g)	< 2		
2	3	60	50	6	0.2	< 2	40		< 2		
3	4	90	58	6	0.2	< 2	10	(5.0g)	< 2		
4	5	70	50	4	0.2	< 2	20		< 2		
5	6	60	52	2	0.2	< 2	20	(4.2g)	< 2		
6	7	70	52	4	0.2	< 2	20	(5.0g)	< 2		
7	8	76	54	6	0.2	< 2	20		< 2		
8	9	52	44	2	0.2	< 2	20		< 2		
9	10	46	38	2	0.2	< 2	20		< 2		
80	11	50	42	2	0.2	< 2	50		< 2		
1	12	50	40	2	0.2	< 2	20		< 2		↓
2	30113	60	44	2	0.2	< 2	10	(5.0g)	4		02156
3	30228	20	16	2	0.2	< 2	20		2		02157
4	29	40	78	2	0.2	< 2	10		< 2		
5	30	56	360	6	0.2	< 2	10		< 2		
6	31	36	130	6	0.2	< 2	20		< 2		
7	32	28	110	10	0.2	< 2	20		< 2	↓	↓
88	30233	10	74	4	0.2	< 2	10		< 2	82E/9	02157

NORANDA GEOCHEM LABORATORY

LOCATION Phoenix PROJECT 1066 COLLECTOR P.B. DATE RECEIVED June / 3 / 83 CODE 8306-011 SHEET 5
 MATERIAL S. 15 - Soil DATE ANALYSED June / 9 / 83 ANALYST RF
 REMARKS Cu, Zn, Pb, Ag, Mo in ppm, Au in ppb.
(0.2g / 2 ml HClO₄ · HNO₃ → 5 ml)

T.T. NO.	SAMPLE NO.	Cu	Zn	Pb	Ag	Mo	Au	As	MTS	GCI
87	30234	28	64	6	0.2	< 2	20	< 2	82E19	02157
90	35	10	42	2	0.2	< 2	20	< 2		
1	36	30	64	6	0.2	< 2	20	< 2		
2	37	36	76	8	0.2	< 2	20	4		
3	38	20	120	12	0.2	< 2	20	< 2		
4	39	18	140	8	0.2	< 2	10	< 2		
5	40	26	66	10	0.6	< 2	20	< 2		
6	41	30	120	6	0.2	< 2	10	< 2		
7	42	30	50	2	0.2	< 2	20	< 2		
8	43	10	110	22	0.2	< 2	20	< 2		
9	30244	14	80	8	0.2	2	20	< 2	82E19	02157
100	Check NL-3	60	60	6	0.6	6	—	290	—	—
1	30245	12	50	4	0.2	< 2	20	< 2	82E19	02157
2	6	8	40	2	0.2	< 2	20	< 2		
3	7	10	110	8	0.2	< 2	20	< 2		
4	8	10	70	4	0.2	< 2	30	< 2		
5	9	8	56	4	0.2	< 2	20	< 2		
6	30250	22	56	14	0.2	< 2	10	< 2		
7	30451	8	60	12	0.2	< 2	10	< 2		
8	2	22	46	8	0.2	< 2	10	< 2		
9	3	12	36	2	0.2	< 2	10	< 2		
110	30454	74	52	18	1.4	< 2	10	< 2	82E19	02157

NORANDA GEOCHEM LABORATORY

LOCATION Phoenix PROJECT 1066 COLLECTOR D.B. DATE RECEIVED June 13 /83 CODE 8306-011 SHEET 6

MATERIAL S, It - Soil DATE ANALYSED June 17 /83 ANALYST RF

REMARKS Cu, Zn, Pb, Ag, Mo in ppm. Au in ppb
(0.2g / 2 ml HClO₄·HNO₃ → 5 ml)

T.T. NO.	SAMPLE NO.	Cu	Zn	Pb	Ag	Mo	Au	As	NTS	GCI
111	30455	24	54	44	0.2	< 2	20	< 2	82E19	02157
2	30456	14	36	16	0.2	< 2	10	< 2		
3	30122	32	46	2	0.2	< 2	20	< 2		
4	3	140	60	2	0.2	2	20	< 2		
5	30124	38	76	2	0.2	< 2	20	< 2		
6	30029	84	30	4	0.2	2	10	< 2		
7	30	48	64	4	0.2	2	10	< 2		
8	31	240	36	2	0.2	4	20	< 2		
9	32	90	46	4	0.2	2	30	< 2		
120	33	130	58	2	0.2	4	20	< 2		
1	34	18	60	2	0.2	2	10	< 2		
2	30035	60	56	6	0.2	2	10	< 2		
3	30026	8	36	2	0.2	< 2	20	< 2		↓
4	30027	22	36	4	0.2	< 2	20	10		02157
5	30115	34	86	16	0.2	< 2	20	< 2		02158
6	16	38	68	8	0.2	< 2	20	< 2		
7	17	48	70	12	0.2	< 2	10 (4.9%)	< 2		
8	18	48	44	8	0.2	< 2	20 (4.2%)	< 2		
9	19	44	80	8	0.2	< 2	20 (4.1%)	< 2		
130	20	46	60	6	0.2	< 2	20 (5.0%)	< 2		
1	30121	40	74	12	0.4	< 2	10	< 2	↓	↓
132	30015	130	60	4	0.4	2	10	< 2	82E19	02158

APPENDIX 2

STATEMENT OF COSTS

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

DATE MARCH 1984

PROJECT - PI CLAIMS
TYPE OF REPORT Geochem

a) Wages:

No. of Days -	24	
Rate per Day -	56.02	
Dates From -	May 25 - May 31 1983	
Total Wages	24 X 56.02	\$1,344.54

b) Food and Accommodation:

No. of Days -	24	
Rate per Day -	25.00	
Dates From -	May 25 - May 31 1983	
Total Cost -	24 X 25.00	\$ 600.00

c) Transportation:

No. of Days -	6	
Rate per Day -	45.00	
Dates From -	May 25 - 31 1984	
Total cost	6 X 45.00	\$ 270.00

d) Analysis \$2,558.94

e) Cost of Preparation of Report

Author	\$ 200.00
Drafting	\$ 227.88
Typing	\$ <u>200.00</u>

Total Cost \$5,401.36

UNIT COSTS

Unit Costs for Geochem

No. of Days -	24	
No. of Units -	132 Samples	
Unit Costs -	40.92 / sample	
Total cost	132 X 40.92	<u>\$5,401.36</u>

NORANDA EXPLORATION COMPANY, LIMITED

DETAILS OF ANALYSES COSTS

Project: PI CLAIMS

<u>Element</u>	<u>No. of Determinations</u>	<u>Cost per Determination</u>	<u>Total</u>
Cu	132	1.60	211.20
Zn	132	.60	79.20
Pb	132	.60	79.20
Mo	132	.60	79.20
Ag	132	.60	79.20
Mn	132	.60	79.20
Fe	132	.60	79.20
Au	132	4.00	<u>528.00</u>
Total			<u>\$2,558.94</u>

APPENDIX 3

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, John Keating of the City of Vancouver, Province of British Columbia,
do hereby certify that:

I am a resident of British Columbia, residing at 1877 West 5th.
Avenue.

I am a graduate of Concordia University, Montreal, with a Bachelor
of Science Degree in Geology.

I am a member in good standing with the Canadian Institute of
Mining and Metallurgy.

I have been a temporary employee with Noranda Exploration Company,
Limited since May, 1979 and a permanent employee since March, 1983.

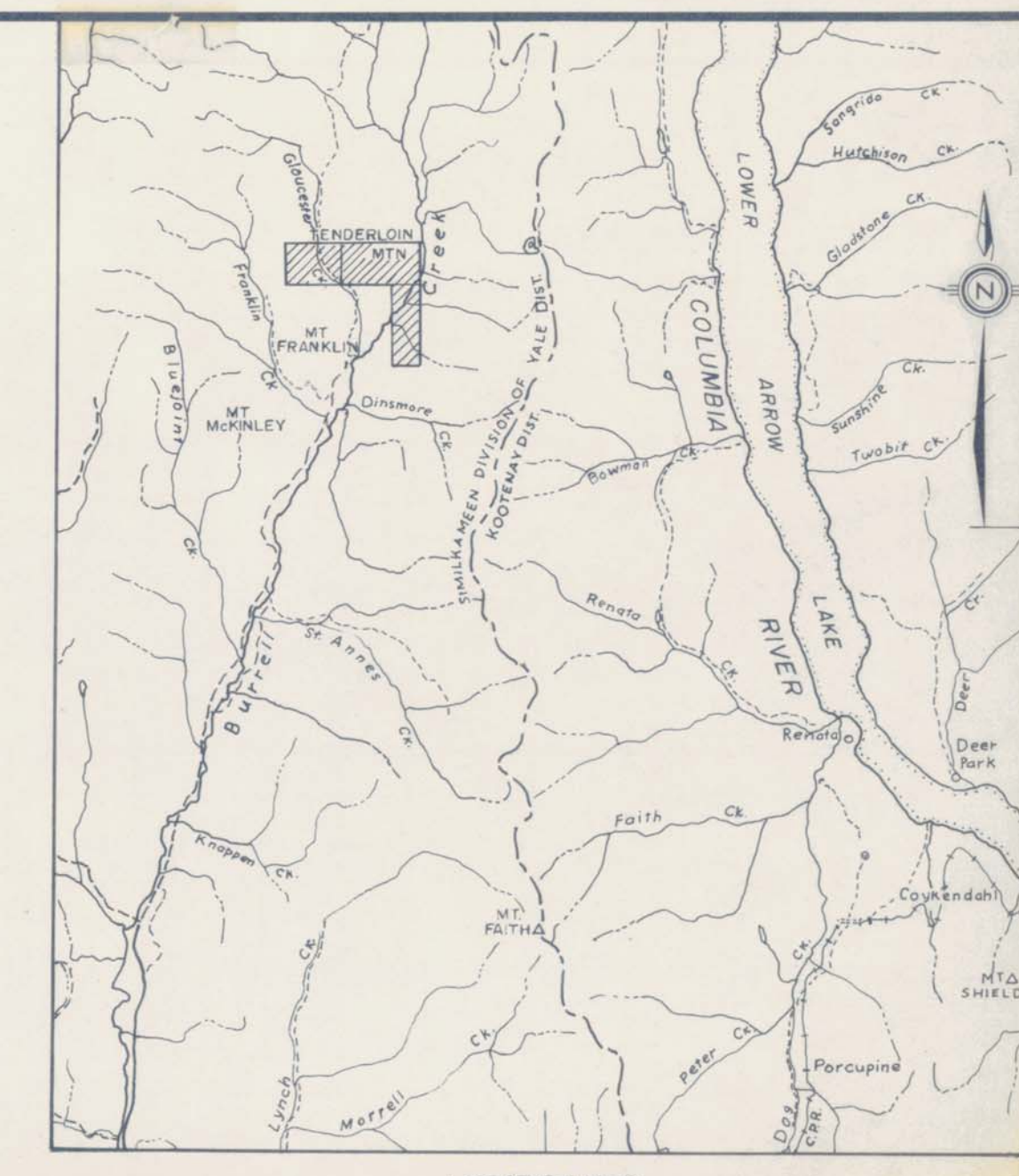


John Keating

Project Geologist

Noranda Exploration Company

Limited(No Personal Liability)



LOCATION MAP
Scale: 1:250,000

LEGEND

TERTIARY

MIDWAY VOLCANIC GROUP

2Ty TRACHYTE - Light to dark gray (with occasional purple tinge), weathering gray-brown to reddish-brown. The rock is porphyritic with aphanitic ground mass. Phenocrysts consist of K-feldspar and pyroxene (augite).

INTERMEDIATE INTRUSIVES

2Mz MONZONITE

2Sy SYENITE

KETTLE RIVER FORMATION

2Rd RHYOLITE TO DACITE FLOWS - Gray to purple-gray, weathering gray-brown. The rock is porphyritic with aphanitic ground-mass containing phenocrysts of K-feldspar.

2Cgl CONGLOMERATE - Composed of subangular to rounded, 1 cm - 10 cm fragments in a siliceous and calcareous cemented matrix.

JURASSIC

NELSON INTRUSIVES

1Gd GRANODIORITE

SYMBOLS

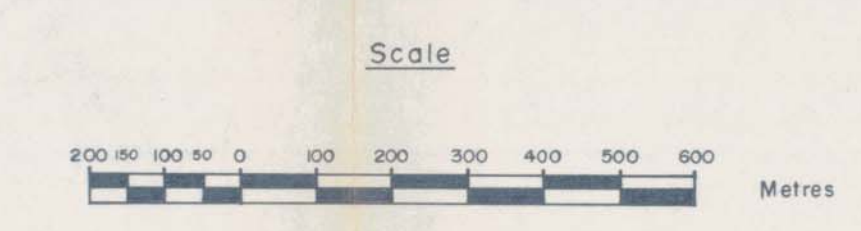
- - - Outcrop boundary
- - - Geological contact
- - - Foliation, Dip indicated, perpendicular, bedding
- - - Road
- - - Claim boundary
- x - Mineralization
- Py - Pyrite
- Cpy - Chalcopyrite

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,254

Survey Date - 1983

To Accompany Assessment Report, Geological and Geochemical Survey on the PI-3 mineral claims, Greenwood M.D., B.C. By John Keating, Geologist, May 25 - 30, 1983.



REVISED	SOUTHERN GENERAL	
	PI. CLAIMS (FRANKLIN CAMP)	
	RECONN. GEOLOGY	
PROJ. No. 27	SURVEY BY: R.A.J.S.	DATE: Feb. /84
N.T.S. 82/E/9 W/2	DRAWN BY: (traced) W.M.R.	SCALE: 1:10,000
DWG. No. 2	NORANDA EXPLORATION	
	OFFICE: Vancouver	

