



Province of  
British Columbia

Ministry of  
Energy, Mines and  
Petroleum Resources

ASSESSMENT REPORT  
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S) <b>GEOLOGICAL, GEOCHEMICAL</b>	TOTAL COST <b>\$ 2,025.08</b>
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AUTHOR(S) **TERRY CAMPBELL** SIGNATURE(S)  
**ERIC ERILU**

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED **Aug 15** YEAR OF WORK **90**  
PROPERTY NAME(S) **PLB-4**

COMMODITIES PRESENT

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION **LIARD** NTS **104 G/8**  
LATITUDE **57° 22' N** LONGITUDE **130° 25' W**

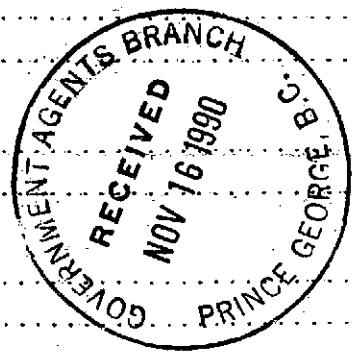
NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:  
**PLB-4**

OWNER(S)  
(1) **La Montagne Explorations Ltd.** (2)

MAILING ADDRESS  
**3280-666 Burrard St.**  
**Vancouver, B.C. V6C 2Y8**

OPERATOR(S) (that is, Company paying for the work)  
(1) **NORANDA EXPLORATION** (2)  
**COMPANY, LIMITED**

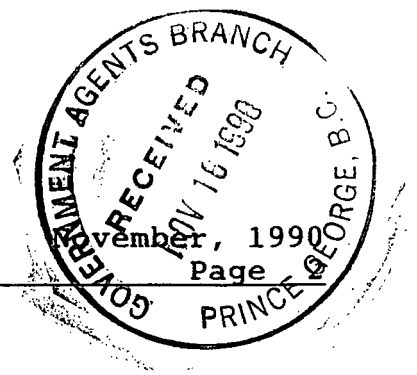
MAILING ADDRESS  
**P.O. B. 2380 VANCOUVER, B.C.**  
**V6B 3T5**



SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):  
*The property is underlain by Lower-Tertiary sediments and volcanics and minor Tertiary volcanics and sediments. No mineralization was observed.*

REFERENCES TO PREVIOUS WORK

# GEOLOGICAL BRANCH ASSESSMENT REPORT



ASSESSMENT-GEOLOGICAL & GEOCHEMICAL  
REPORT ON THE PLB-4 CLAIM

# 20,482

## INTRODUCTION

The PLB-4 claim was staked by La Montagne Exploration Ltd. in August of 1988, to cover a drainage area identified to be anomalous for gold by the regional geochem release. In the spring of 1990 the property was optioned by Noranda Exploration Company, Limited and crews spent a few days on the property performing reconnaissance work. Eight rock and sixteen silt samples were collected by the crews. Prospecting and rudimentary mapping was also carried out on the claim.

## LOCATION & ACCESS

The PLB-4 claim is located approximately 45 km northwest of Bob Quinn lake and 7 km west of the Burrage airstrip located on Highway #37. The claim is situated at 57 degrees 22 minutes north and 130 degrees 25 minutes west and located on the Refuge lake map sheet NTS 104 G/08 in the Liard Mining Division.

Access to the property is achieved by helicopter from either the VIH Bob Quinn base or the Burrage air strip.

## CLAIM STATISTICS

<u>Name</u>	<u>Record #</u>	<u>Units</u>	<u>Record Date</u>	<u>Owner</u>
PLB-4	5114	18	Aug. 18, 1988	Noranda Expl.

## TOPOGRAPHY & VEGETATION

The area is characterized by rugged mountainous terrain with steep incised creek valleys and rounded glaciated peaks. Elevations range from 1490 metres to 1895 metres and the claim is in alpine.

Vegetation consists of short alpine grasses and some short scrub trees.

LOG NO: 11-28	RD.
ACTION:	
FILE NO:	

SUMMARY

The PLB-4 claim is underlain in the west by relatively flat-lying clastic sediments, interstratified tuffs and capping andesitic volcanics of Lower to Middle Jurassic age; while the eastern half is underlain by older east dipping sediments and tuffs of probable Jurassic age. No significant mineralization was discovered on the PLB-4 claim.

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FIGURE 1	Location Map	1:8,000,000	2a
FIGURE 2	Claim Map	1:50,000	2b
FIGURE 3	Geology	1:5,000	(in pocket)

LOG NO: 11-28	RD.
ACTION:	
FILE NO:	

GEOLOGICAL & GEOCHEMICAL REPORT

ON THE

PLB 4 CLAIM

Liard Mining Division  
N.T.S. 104 G/08

Longitude: 130° 25' W  
Latitude: 57° 22' N

NORANDA EXPLORATION COMPANY, LIMITED  
(no personal liability)

REPORT BY: TERRY CAMPBELL  
ERIC GRILL

NOVEMBER, 1990

PREVIOUS WORK

- 1988: property staked by La Montagne to secure area containing anomalous silt samples from RGS.
- 1989: Gulf International Minerals optioned property and conducted a few man days of reconnaissance work. Reported in "Geological Report of the PLB-4 Claim" by Andris Kikauka for Gulf International Minerals, August 1989.

REGIONAL GEOLOGY

The area has been described by J. G. Souther in GSC Paper 71-44, Telegraph Creek Map-Area (Report and Map 11-1971).

The area is underlain by Lower to Middle Jurassic aged sediments and volcanics of the Hazelton Group. From the 1:250,000 scale map, two map units are identified in this area. They are:

Map - Unit 14 (Lower to Middle Jurassic)

Map-Unit 14 comprises about 3,500 feet of friable black shale, interbedded with a few thin beds and concretionary layers of rusty weathering ironstone and siliceous siltstone, minor light grey quartzose sandstone and grit. The shale is overlain with structural conformity by massive volcanic rocks of map-Unit 15. The change is abrupt yet the contact reveals no evidence of faulting. It is concluded, therefore, that deposition of the shale was terminated by submarine eruptions that built elongate seamounts in the basin of deposition.

Map - Unit 15 (Middle Jurassic)

The prominent north, northwesterly trending range of mountains that faces Iskut Valley north of Ball Creek consists entirely of submarine lavas. There the unit is at least 8,000 feet thick and comprises dark basaltic-andesite pillow lavas and related flows, dykes and sills. The lavas are monotonously uniform throughout, consisting of fine grained to aphanitic basalt or basaltic-andesite with small, sparse feldspar phenocrysts, clots of chlorite, and small carbonate or ziolite-filled vesicles. Locally the lava is hydrothermally altered to a nearly white, commonly spotted rock consisting entirely of a fine-grained mosaic of secondary, hydrous minerals.

### GEOLOGY

The west side of the claim is predominantly underlain by relatively flat lying Eocene clastic sedimentary rocks ranging from coarse to fine pebble conglomerate to sandstone, siltstone and shale. Interstratified tuffaceous units containing andesitic and felsic volcanic, as well as sedimentary fragments and clasts are observed locally. Vesicular to non-vesicular andesite flows appear to cap this sequence in the southwest corner at the LCP. The east side of the claim is underlain by an older, more steeply west dipping sequence of black shales, siltstones and tuffs of probable Jurassic age. Mineralization of any significance is limited to only one small area at sample site #104363, and consists of up to 10% very fine grained disseminated and patchy masses of pyrite in the silty matrix of a Lapilli tuff unit, containing felsic volcanic rock fragments. Other "rusty" weathering outcrops are due to minor oxidation of iron in some rock units.

### GEOCHEMISTRY

#### Rocks:

##### Method -

During the 1990 field season a total of eight rocks were collected by Noranda personnel. The rock samples were taken from outcrops and float boulders, placed into plastic bags and shipped to Acme Analytical Laboratories Ltd., at 852 E. Hastings Street, Vancouver, B.C. for analysis. The samples were analyzed for 30 elements by ICP and Au by geochem.

##### Observations -

None of the rock samples have anomalous values.

#### Silts:

##### Method -

During the 1990 field season a total of 16 silt samples were collected by Noranda personnel. The silt samples were taken by hand from active stream channels, placed into kraft wet strength paper bags, dried, and shipped to Acme Analytical Laboratories Ltd., for analysis. The samples were analyzed for 30 elements by ICP and Au by geochem.

Observations -

None of the silt samples have anomalous values. A few samples returned weakly anomalous zinc and arsenic values (104358, 105443), but a mineralized source could not be located. These values may, at least in part, be due to high background levels in black shales.

CONCLUSIONS

The results from the rock and silt samples are disappointing and no further work is warranted at this time.

RECOMMENDATIONS

No further work is recommended at this time.

REFERENCES

Souther, J. G.: Telegraph Creek map-area British Columbia. G.S.C. Paper 71-44, Geological Survey of Canada, 1972.



APPENDIX I  
STATEMENT OF COSTS

REPORT TYPE: Geological, Geochemical November, 1990

a) WAGES:

No. of Days - 4  
Rate per day - \$137.42  
Dates from - Aug 1 to Aug 17, 1990  
Total: \$ 549.68

b) FOOD & ACCOMMODATION:

No. of Days - 4  
Rate per day - \$36.35  
Dates from - Aug 1 to Aug 17, 1990  
Total: \$ 145.40

c) TRANSPORTATION:

No. of Days - 4  
Rate per day - \$198.50  
Dates from - Aug 1 to Aug 17, 1990  
Total: \$ 794.00

d) ANALYSIS:

24 silt, rock for 30 element ICP and Au  
geochem at \$14.00/sample  
Total: \$ 336.00

e) COST OF PREPARATION OF REPORT:

Author	\$100.00	
Drafting	\$ 50.00	
Typing	\$ 50.00	
Total:		\$ 200.00
		=====

TOTAL COST: \$ 2,025.08

STATEMENT OF QUALIFICATIONS

I, Eric C. Grill, of 1928 West 35th Avenue, Vancouver, in the Province of British Columbia, do hereby certify that:

1. I am a geologist in the employ of Noranda Exploration Company, Limited (no personal liability).
2. I am a graduate of the University of British Columbia with a Bachelor of Science degree (honours) in Geology.
3. My primary employment since 1986 has been in the field of mineral exploration.
4. This report is based on a property examination on August 8, 1990.
5. I have no interest in the property described herein, nor in the securities of any company associated with the property, nor do I expect to acquire any such interest.

Eric C. Grill,  
Geologist

## ANALYTICAL METHOD DESCRIPTIONS FOR GEOCHEMICAL ASSESSMENT REPORTS

Revised:01/86

The methods listed are presently applied to analyse geological materials by the Noranda Geochemical Laboratory at Vancouver. (March, 1984)

### Preparation of Samples

Sediments and soils are dried at approximately 80°C and sieved with a 80 mesh nylon screen. The -80 mesh (0.18 mm) fraction is used for analysis.

Rock specimens are pulverized to -120 mesh (0.13 mm). Heavy mineral fractions (panned samples) are analysed in its entirety, when it is to be determined for gold without further sample preparation. See addendum.

### Analysis of Samples.

Decomposition of a 0.200 g sample is done with concentrated perchloric and nitric acid (3:1), digested for 5 hours at reflux temperature. Pulps of rock or core are weighed out at 0.2 g or less depending on the matrix of the rock, and twice as much acid is used for decomposition than that is used for silt or soil.

The concentrations of Ag, Cd, Co, Cu, Fe, Mn, Mo, Ni, Pb, V and Zn (all the group A elements of the fee schedule) can be determined directly from the digest (dissolution) with an atomic absorption spectrometer (AA). A Varian-Techtron Model AA-5 or Model AA-475 is used to measure elemental concentrations.

### Elements Requiring Specific Decomposition Method

**Antimony - Sb:** 0.2 g sample is attacked with 3.3 mL of 6% tartaric acid, 1.5 mL conc. hydrochloric acid and 0.5 mL of conc. nitric acid, then heated in a water bath for 3 hours at 95° C. Sb is determined directly from the acid solution with an AA-475 equipped with electrodeless discharge lamp (EDL).

**Arsenic - As:** 0.2 - 0.4 g sample is digested with 1.5 mL of 70 % perchloric acid and 0.5 mL of conc. nitric acid. A Varian AA-475 equipped with an As-EDL measures the arsenic concentration of the digest.

**Barium - Ba:** 0.1 g sample is decomposed with conc. perchloric, nitric and hydrofluoric acid. Atomic absorption using a nitrous oxide-acetylene flame determines Ba from the aqueous solution.

**Bismuth - Bi:** 0.2 g - 0.3 g is digested with 2.0 ml of perchloric 70% and 1.0 ml of conc. nitric acid. Bismuth is determined directly from the digest into the flame of the AA instrument c/w EDL.

**Gold - Au:** 10.0 g sample (Pan-concentrates see below) is digested with aqua regia (1 part nitric and 3 parts hydrochloric acid). Gold is extracted with Methyl iso-Butyl ketone (MIBK) from the aqueous solution. Gold is determined from the MIBK solution with flame AA.

**Magnesium - Mg:** 0.05 - 0.10 g sample is digested with 4 ml perchloric/nitric acid (3:1). An aliquot is taken to reduce the concentration to within the range of atomic absorption. The AA-475 with a nitrous oxide flame determines Mg from the aqueous solution.

**Tungsten - W:** 1.0 g sample sintered with a carbonate flux and thereafter leached with water. The leachate is treated with potassium thiocyanate. The yellow tungsten thiocyanate is extracted into tri-n-butyl phosphate. This permits colourimetric comparison with standards to measure tungsten concentration.

**Uranium - U:** An aliquot, taken from a perchloric-nitric (3:1) decomposition, usually from the multi-element digestion, is diluted with water and a phosphate buffer. This solution is exposed to laser light, and the luminescence of the uranyl ion is quantitatively measured on the UA-3 (Scintrex).

LOWEST VALUES REPORTED IN PPM

Ag - 0.2	Mn - 20	Zn - 1	Au - 0.01 (10PPB)
Cd - 0.2	Mo - 1	Sb - 1	W - 2
Co - 1	Ni - 1	As - 1	U - 0.1
Cu - 1	Pb - 1	Ba - 10	
Fe - 100	V - 10	Bi - 1	



45	11000N-106857	
46	[REDACTED]	
47	[REDACTED]	
48	[REDACTED]	
49	[REDACTED]	
50	[REDACTED]	
52	[REDACTED]	
53	[REDACTED]	
54	[REDACTED]	
55	[REDACTED]	
56	[REDACTED]	
57	[REDACTED]	
58	[REDACTED]	
59	[REDACTED]	
60	[REDACTED]	
61	[REDACTED]	

62	SILT 104352-	5
63	104353-	5
64	104354-	5
65	104356-	5
66	104357-	5 *
67	104358-	5
68	104359-	5
69	104360-	5
70	104361-	5
71	104362-	5
72	105442-	5
73	105443-	5
74	[REDACTED]	

75	[REDACTED]	
76	[REDACTED]	
77	[REDACTED]	
78	[REDACTED]	*
79	[REDACTED]	
80	[REDACTED]	
81	[REDACTED]	

83	106812-	5 *
84	106814-	5
85	106815-	5
86	106817-	5

87	[REDACTED]	
88	[REDACTED]	
89	[REDACTED]	
90	[REDACTED]	
91	[REDACTED]	*
92	[REDACTED]	
93	[REDACTED]	*
94	[REDACTED]	
95	[REDACTED]	
96	[REDACTED]	
97	[REDACTED]	
98	[REDACTED]	
99	SILT [REDACTED]	

ROCKS

GEOCHEMICAL ANALYSIS CERTIFICATE

PHONE (604) 253-3158 FAX (604) 253-1716

Ball Cr. (TC)

289 Results

Noranda Exploration Co. Ltd. PROJECT 9008-081W289 File # 90-3677 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

Copy to Mike

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
104351	1	4	2	7	.1	2	1	83	.38	5	5	ND	1	1	.2	2	2	1	.03	.001	2	4	.01	5	.01	2	.03	.01	.01	1	1
104355	3	7	10	45	.2	12	2	92	1.02	11	5	ND	2	92	.2	2	2	4	.82	.016	11	8	.10	86	.01	3	.23	.05	.09	2	1
104363	6	7	9	34	.3	6	12	271	9.83	10	5	ND	1	27	.2	2	2	47	.63	.272	12	9	.23	12	.01	4	.82	.07	.06	1	1
<del>104363</del>	<del>6</del>	<del>7</del>	<del>9</del>	<del>34</del>	<del>.3</del>	<del>6</del>	<del>12</del>	<del>271</del>	<del>9.83</del>	<del>10</del>	<del>5</del>	<del>ND</del>	<del>1</del>	<del>27</del>	<del>.2</del>	<del>2</del>	<del>2</del>	<del>47</del>	<del>.63</del>	<del>.272</del>	<del>12</del>	<del>9</del>	<del>.23</del>	<del>12</del>	<del>.01</del>	<del>4</del>	<del>.82</del>	<del>.07</del>	<del>.06</del>	<del>1</del>	<del>1</del>
105444	5	9	22	206	.1	5	2	347	2.52	2	5	ND	1	4	1.7	2	2	12	.06	.015	37	4	.42	51	.01	2	.84	.04	.07	1	1
<del>105448</del>	<del>9</del>	<del>16</del>	<del>55</del>	<del>7</del>	<del>2</del>	<del>6</del>	<del>401</del>	<del>7.57</del>	<del>2</del>	<del>5</del>	<del>ND</del>	<del>1</del>	<del>44</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>74</del>	<del>1.45</del>	<del>.018</del>	<del>45</del>	<del>9</del>	<del>.44</del>	<del>52</del>	<del>.01</del>	<del>5</del>	<del>1.01</del>	<del>.01</del>	<del>.02</del>	<del>1</del>	<del>1</del>	
<del>105449</del>	<del>45</del>	<del>9</del>	<del>16</del>	<del>80</del>	<del>2</del>	<del>6</del>	<del>287</del>	<del>7.88</del>	<del>2</del>	<del>5</del>	<del>ND</del>	<del>1</del>	<del>7</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>75</del>	<del>1.51</del>	<del>.018</del>	<del>44</del>	<del>9</del>	<del>.44</del>	<del>52</del>	<del>.01</del>	<del>5</del>	<del>1.01</del>	<del>.01</del>	<del>.02</del>	<del>1</del>	<del>1</del>	
<del>105450</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	
<del>105451</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	
<del>105452</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	
<del>105453</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	
<del>105454</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	
<del>105455</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	
106811	10	13	18	87	.2	6	6	272	4.40	14	5	ND	1	47	1.2	2	2	46	1.28	.094	11	6	.31	45	.01	2	.54	.05	.05	1	1
106813	8	8	23	36	.2	14	1	87	1.65	7	5	ND	1	7	.5	2	3	9	.11	.015	13	8	.17	32	.10	2	.44	.07	.03	1	1
106816	2	14	12	27	.2	5	3	71	2.36	12	5	ND	2	8	.8	3	2	33	.04	.052	12	19	.96	57	.01	2	1.34	.02	.12	1	1
106818	12	10	11	55	.3	7	5	134	6.65	16	9	ND	1	19	.2	4	2	123	.05	.038	5	9	.16	32	.26	2	.64	.08	.02	1	1

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 104 G/B

PROPERTY Ball Creek - 289

DATE Aug 8, 1990

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS							SAMPLED BY
				Au	Ag	Cu	Pb	Zn	As	Sb	
104357	20x20x20 cm angular block, black shale with chalcedonic blue quartz veining	float		1 ppb	.1 ppm	4 ppm	2 ppm	7 ppm	5 ppm	2 ppm	EG
104358	Subangular 20x20x10 cm weakly rusty weathering cherty <del>matrix</del> tuff. Fragments are subrounded to angular cherty (siliceous) fragments/clasts of pebble size. Matrix also siliceous.	float		1	.2	7	10	45	11	2	EG
104363	Andesitic crystal tuff, moderately siliceous, with weakly brecciated texture. Rusty weathering with 2-10 to very fine grained pyrite in <del>partly</del> patches	subcrop		1	.3	7	9	34	10	2	EG



NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Ball creek (PLB-4 claim)

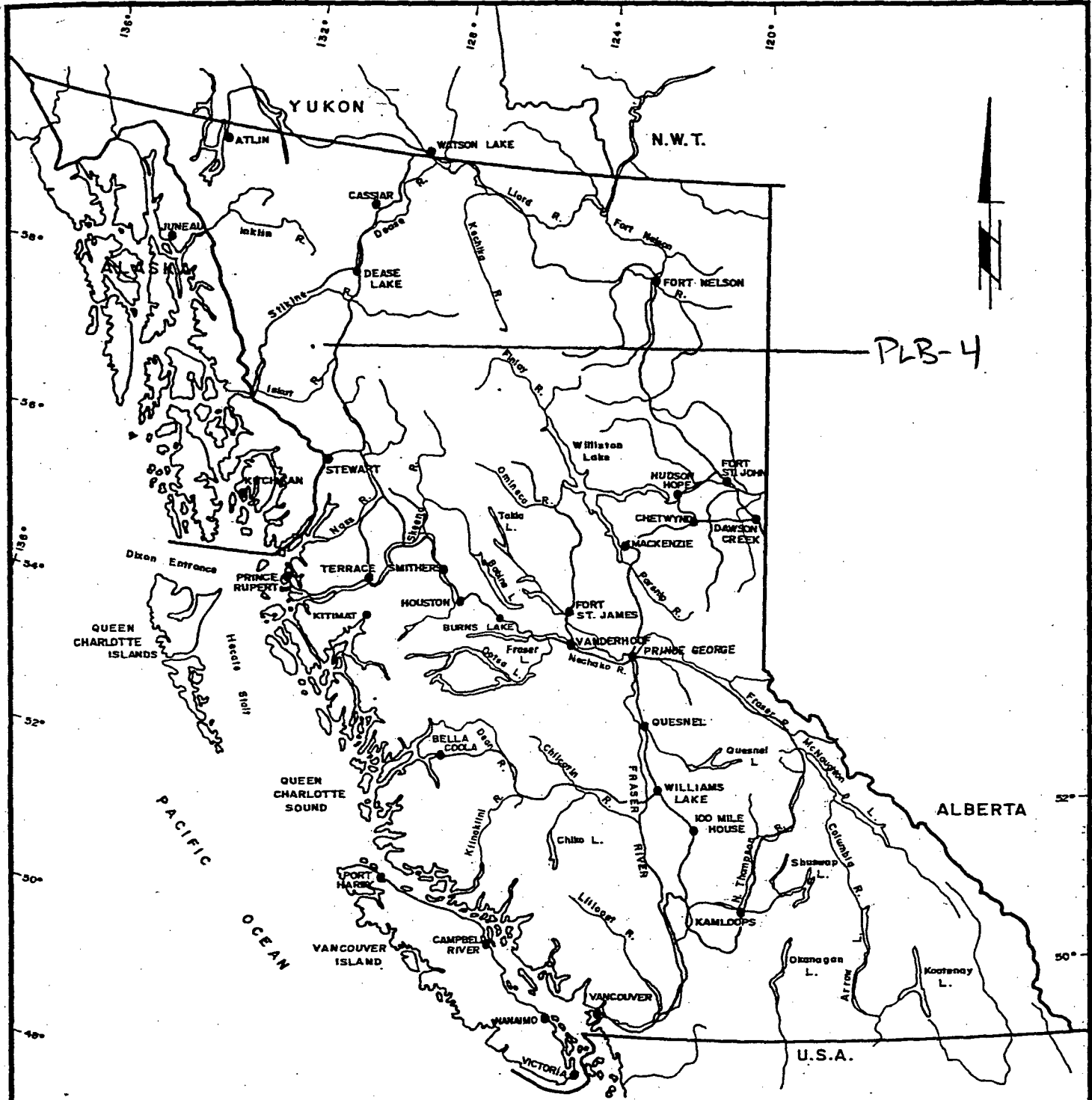
N.T.S. \_\_\_\_\_

DATE Aug 8/90

ROCK SAMPLE REPORT

PROJECT: 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input type="checkbox"/> g	<input type="checkbox"/> g	<input type="checkbox"/> g	<input type="checkbox"/> g	<input type="checkbox"/> g	<input type="checkbox"/> g	<input type="checkbox"/> g	SAMPLED BY
					Au	Ag	Cu	Pb	Zn	As	Sb	
106811	red weathered breccia with sub-rounded clasts, plag / horn / hematite?	?	float		1	.2	13	18	87	14	2	C.S.
106813	red weathered crystalline siliceous light grey rock possibly from gossan? higher up (some carbonate veining)	-	float		1	.2	8	23	36	7	2	C.S.
106816	red weathered dark tuffaceous rock small clasts.	<1%	float		1	.2	14	12	27	12	3	C.S.
106818	light greyish sugary featury rock with lots of vuggy weathered spaces outcrop buried in red soil. Extent of roughly 10m?	?	chip	5m	1	.3	10	11	55	16	4	C.S.
105444	semi-Rounded, fine grained light grey to blue unaltered basalt?, py diss, weathered to a whitish red color	3%	float	-	1	.1	9	22	206	2	2	J.N.F.

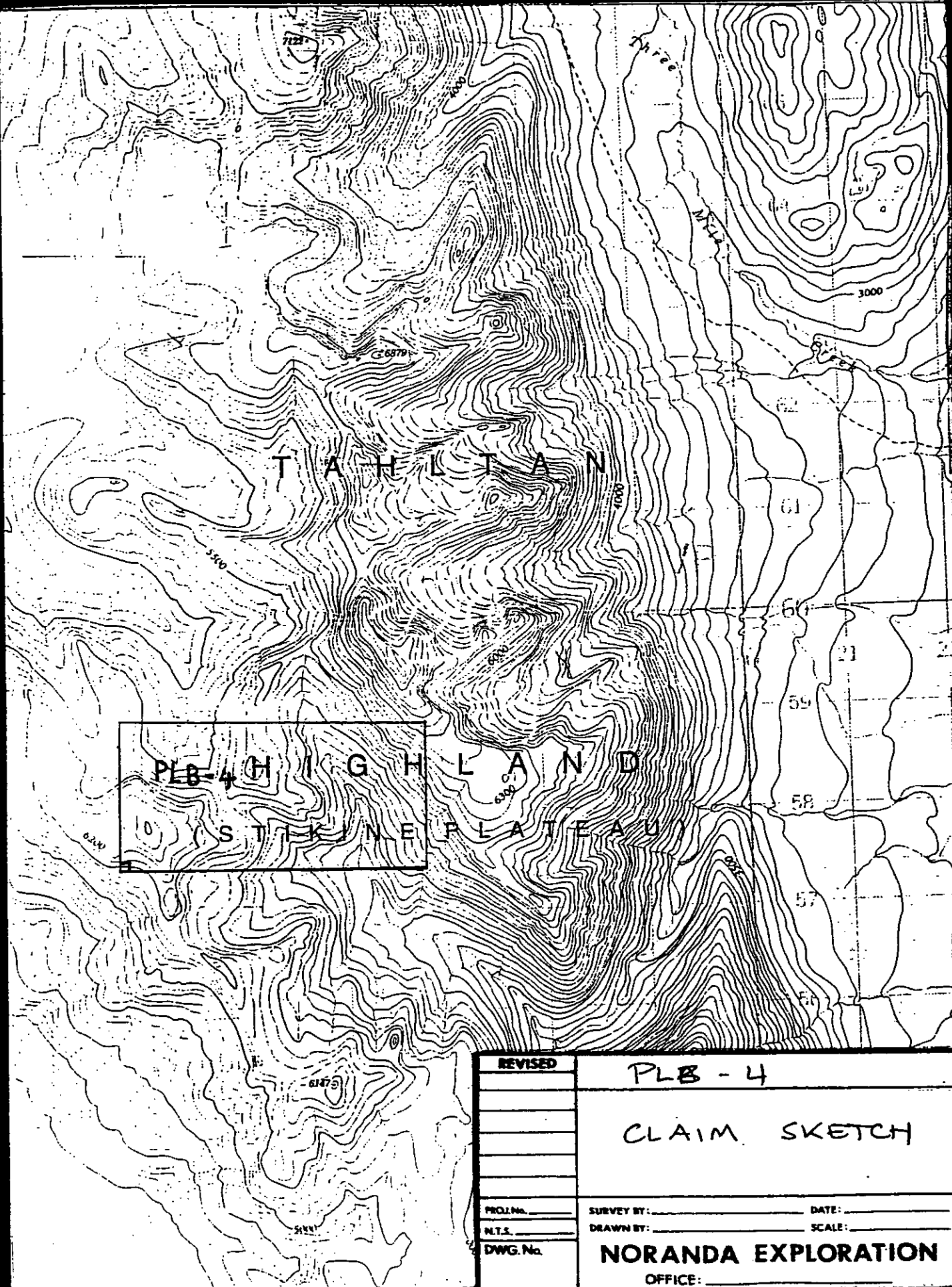


PLB-4

0 100 200 KILOMETRES  
SCALE: 1:8,000,000

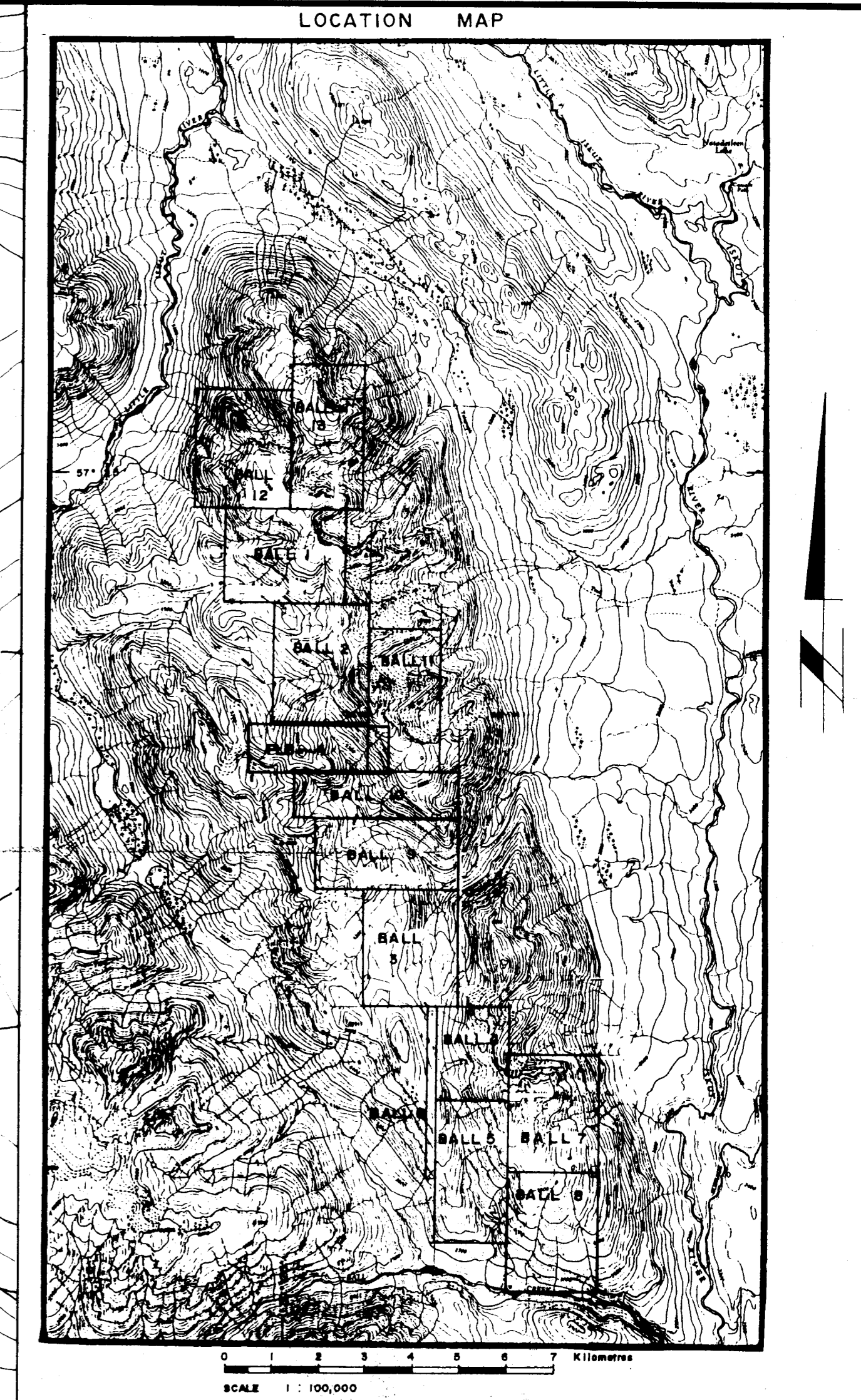
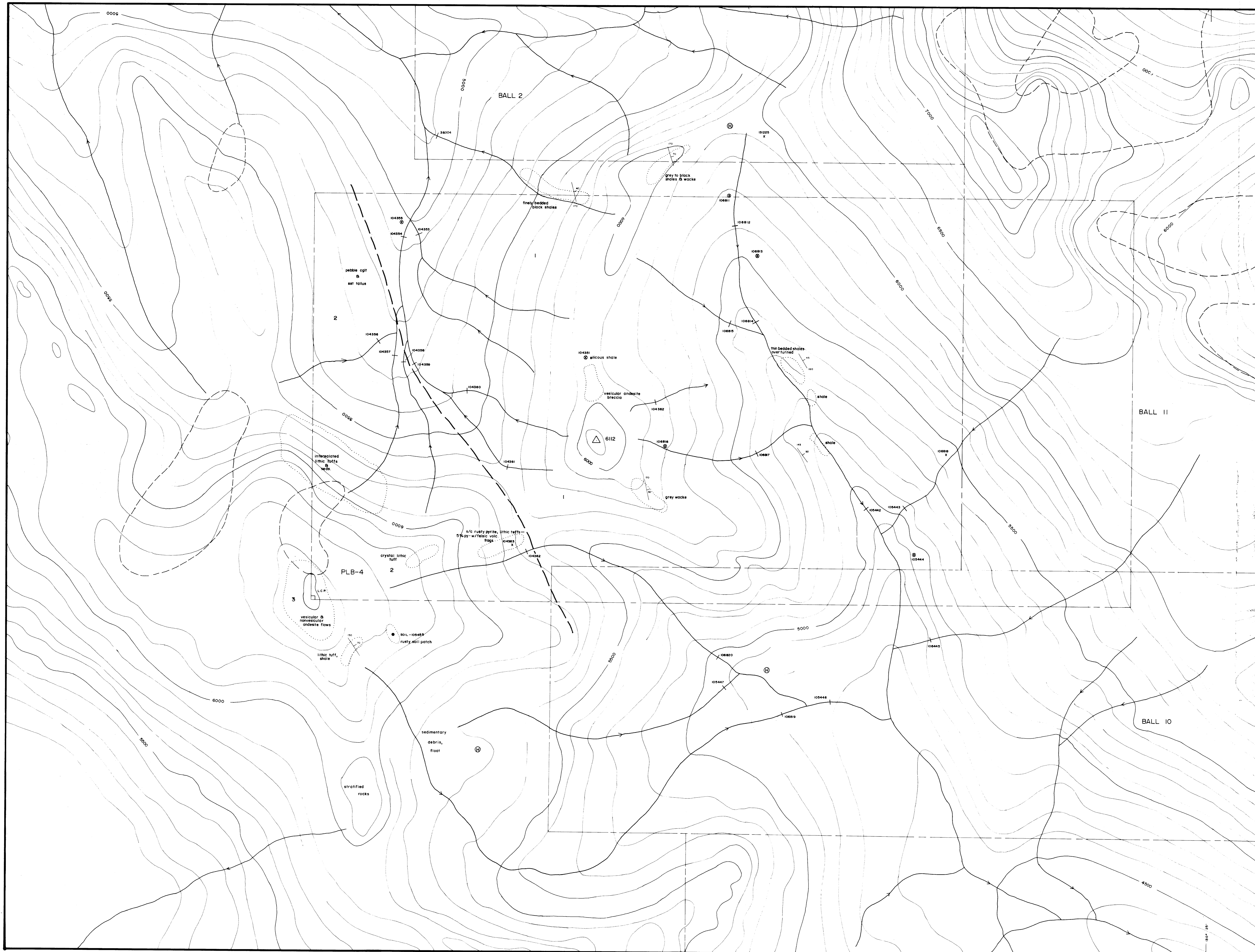
REVISED	PLB - 4	
	LOCATION MAP	
PROJ. No. _____	SURVEY BY: _____	DATE: _____
N.T.S. _____	DRAWN BY: S.K.B.	SCALE: 1:8,000,000
DWG. No. _____	<b>NORANDA EXPLORATION</b>	
	OFFICE: PRINCE GEORGE, B.C.	

VANCAL 11927



P L B - 4 H I G H L A N D  
S T I K I N E P L A T E A U

REVISED	P L B - 4	
	C L A I M   S K E T C H	
PROJ. No.	SURVEY BY:	DATE:
N.T.S.	DRAWN BY:	SCALE:
DWG. No.	<b>NORANDA EXPLORATION</b>	
	OFFICE:	



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

Legend **20,482**

**Geology**

**Cretaceous and Tertiary**

**3** Flat lying vesicular to non-vesicular green andesitic flow volcanics

**L - M Jurassic**

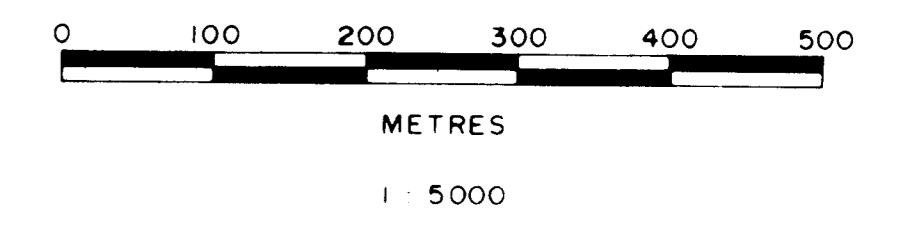
**2** Relatively flat lying clastic sedimentary rocks: coarse to fine pebble conglomerate, sandstone, siltstone, shale, interstratified tuffs with andesitic and felsic fragments

**Jurassic?**

**1** Steeply dipping black shales, siltstones and tuff

**Symbols**

- x 104375 Rock Sample Location
- ⊙ 104376 Float Sample Location
- 104377 Soil Sample Location
- ⊙ 104378 Silt Sample Location
- Outcrop
- ⊙ Helicopter Pad



REVISED	PLB - 4	
	GEOLOGY & SAMPLE LOCATION MAP	
PROJ. No 289 N.T.S. 1040 / SW DWG. No	SURVEY BY P.J.L. DRAWN BY	DATE SCALE 1:5000
<b>NORANDA EXPLORATION</b>		
OFFICE PRINCE GEORGE, B.C.		