

# 6070

ASSESSMENT REPORT

GEOCHEMISTRY, GEOPHYSICS AND DIAMOND DRILLING

STANDARD PROPERTY

Standard 1 to 4 (40-43) Mineral Claims

Crown Grants Claims, LOT Numbers 6944-6954

and  
7483 - 7490

51°27.5'N, 118°14'W

REVELSTOKE MINING DIVISION

by

## 82M/8E

Brian B. Hughes  
Lyndon B. Bradish

NORANDA EXPLORATION COMPANY, LIMITED  
(No Personal Liability)

August 1 - September 26, 1976

MINERAL RESOURCES BRANCH

ASSESSMENT REPORT

NO. 6070

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## INTRODUCTION

The mineral claims referred to in this report are located in the Big Bend Area of Southern British Columbia, 45 kilometers north of the town of Revelstoke.

A program of geology, geophysics, geochemistry and diamond drilling was completed on an area of these claims to determine if there is any lateral and down dip extension of several interesting mineralized horizons noted on surface. The work was carried out during the period of August 1, 1976 to September 26, 1976.

The geology, geochemistry and drilling was under the general supervision of Brian Hughes, geologist and the geophysics done by Noranda Exploration Company, Limited personnel under the general supervision of J.T. Walker, geophysicist.

## Location and Access

The Standard group mineral claims are situated at the head of Standard Creek which includes Standard Peak and the area continuing for several kilometers to the east. (See figure 1).

The property is located 45 kilometers north of the town of Revelstoke at co-ordinates  $51^{\circ}27.5'N$  and  $118^{\circ}14'W$ .

Access to the property is by the Big Bend Highway which parallels the Columbia River from Revelstoke north to Mica Creek and passes within 8 kilometers to the south west of the property.

From the Big Bend Highway, at 610 meters above sea level, helicopter is the only practical mode of transportation to reach the Standard property situated at 2000 meters above sea level.

## Claims and Ownership

The Standard Group of mineral claims includes 19 Crown Grant Claims (drawing 1) the title to which are registered in the name of Gerald Rayner, of 626 Duchess Street, West Vancouver, B.C., at the Nelson Land Registry Office.

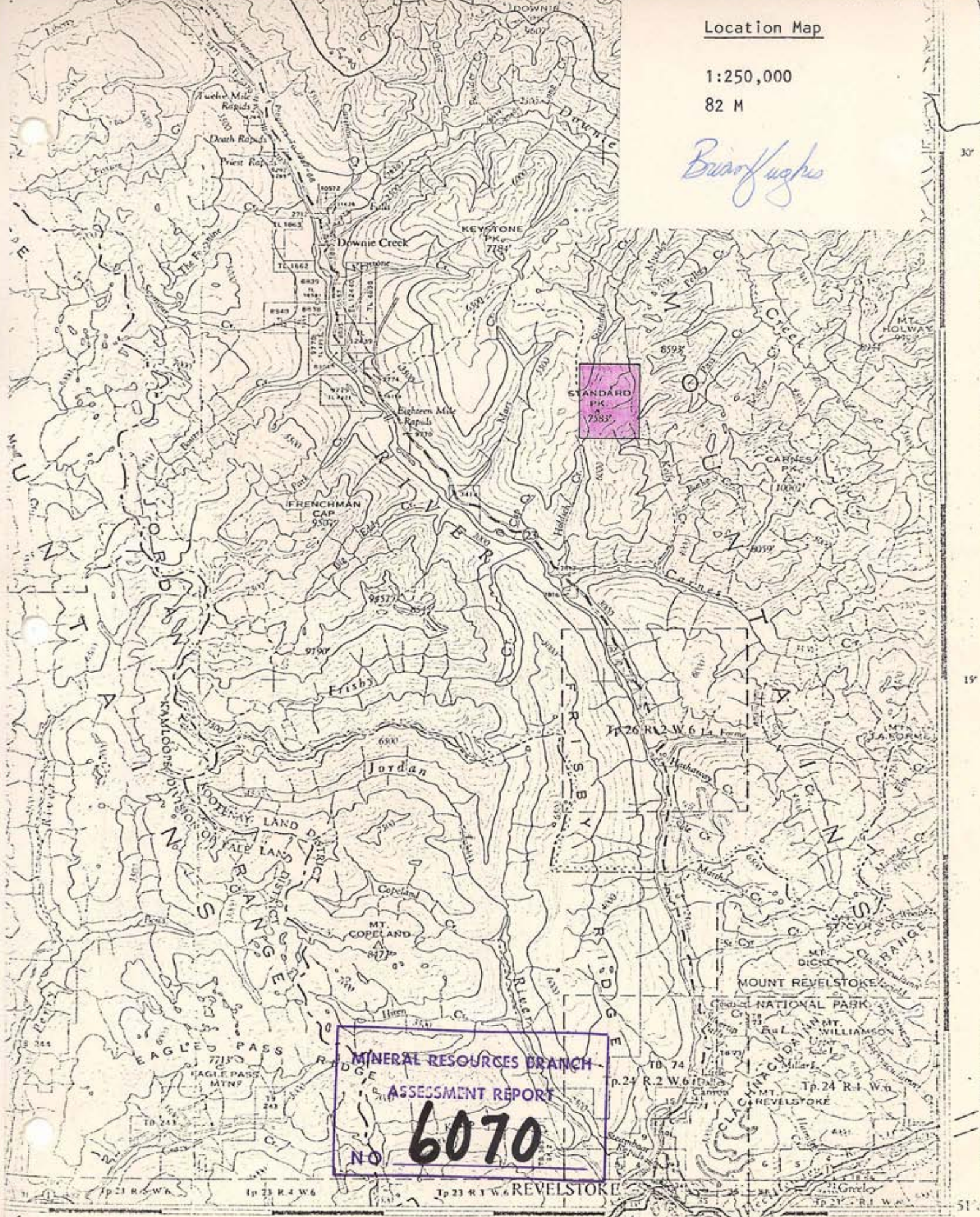
<u>Claim Name</u>	<u>Lot Number</u>
Standard	6944
Monitor	6945
Commander	6946
Winnibago	6947
Contractor	6948
Iron Hill	6949
Denver Fraction	6950
Butte Fraction	6951
Iron Chest	6952
Black Bear	6953
Criterion	6954
Iron Hill Fraction	7483
U.X.L. Fraction	7484
Downie Fraction	7485
Minto	7486
Martha Jane Fraction	7487
I.X.L. Fraction	7488

Location Map

1:250,000

82 M

*Brasof Hughes*



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
NO. 6070

<u>Claim Name</u>	<u>Lot Number</u>
Frances	7489
H.X.L. Fraction	7490

All in the Kootney District Revelstoke Division, Revelstoke Mining District.

Table 1

Claims staked by Noranda, Standard 1 to 4, (Table 2), (Drawing 1), overlap and include all fractions within the 19 Crown Grant Claims listed in Table 1.

<u>Claim Name</u>	<u>Record Number</u>	<u>Record Date</u>
Standard 1 (12 Units)	40	November 14/75
Standard 2 (9 Units)	41	"
Standard 3 (20 Units)	42	"
Standard 4 (15 Units)	43	"

Table 2

Noranda Exploration Company, Limited (N.P.L.) optioned the 19 Crown Grant Claims from G. Rayner on October 31, 1975.

### Control Grid

The Standard grid covers an area from the north-south ridge, which includes Standard Peak, to Standard Creek to the east, and from the east-west divide between Standard and Carnes Creek drainage systems in the south, north some 2,900 meters. Noranda Exploration Limited and AMEX Exploration Services, Ltd., of Kamloops crews established the grid using chain and compass and correcting for topography with inclinometers.

The base line 100+00E runs at 160° azimuth from 83+00N to 105+00N. Another base line at 105+00E runs also at 160° azimuth from 105+00N to 113+00N.

Lines run at 70° and 250° azimuth from 100+00E base line are at 100 meter spacings and have stations established with pickets every 25 meters. Lines run at 70° and 250° azimuth from base line 105+00E are at 200 meter spacings and have stations established with pickets every 25 meters. (See Drawing 2).

### Property Geology

The Standard property consists of Lower Cambrian metasedimentary and metavolcanic rocks of the Lardeau Series. The dominant structure on the property is a north - south trending isoclinal antiform plunging gently (3°-4°) to the north.

A body of greenstone within a sequence of interbedded graphitic schist, chloritic schist and marble has been folded and eroded resulting in the two limbs of the antiform forming two major greenstone units with the metamorphosed pelites separating them. Schistosity within the pelite sequence and to a lesser extent within the more massive greenstone have a general north-south strike and 25° to 45° dip to the east.

Chalcopyrite associated with pyrrhotite and carbonate banding found within a talc rich chlorite schist, part of the greenstone sequence, has been the main interest on the property. Pyrite mineralization found in the northern part of the grid is present at the marble - interbedded chloritic and graphitic schist contact.

The greenstone sequences are comprised of several mappable units which are texturally and compositionally distinguishable in hand specimen. Talc schist, coarse grained chlorite feldspar schist, talc rich chloritic schist and a massive to schistose fine grained greenstone. This sequence repeats itself in both limbs of the antiform.

Diamond drilling was used to test any down dip extension of interesting surface mineralization within the talc rich chlorite schist on both limbs of the fold.

#### Geochemical Survey

All soil samples were analyzed for copper, zinc, lead and molybdenum in the Noranda Exploration Company, Limited laboratory, located at 1050 Davie Street, Vancouver 5, British Columbia. Analyst were R. Fenton and E. van Leeuwen.

Soil samples were taken from the B horizon commonly found at depths of 10 to 50cm and placed in "Hi Wet Strength Kraft" envelopes for shipment to the laboratory. Samples were taken at 100 meter stations on all lines where a well developed soil horizon was found. A large portion of the property was not sampled due to unseasonably late snow conditions and rocky terrain.

Soil sample locations and results are plotted on two maps of the Standard Grid (Drawing 2 & 3). One showing copper and molybdenum the other zinc and lead.

#### Laboratory Determination Methods

The samples are first placed in a drying cabinet for a period of 24 to 48 hours. The sample material is then screened and sifted to obtain a -80mesh fraction. The determination procedure for total copper, zinc, lead and molybdenum is as follows:

0.200 grams of the -80 mesh material is digested in 2ml. of HClO<sub>4</sub> and 0.5ml. of HNO<sub>3</sub> for approximately four hours. Following digestion each sample is diluted to 5ml. with demineralized H<sub>2</sub>O. A Varian Techtron Model AA-5 Atomic Absorption Spectrophotometer was used to determine the parts per million copper, zinc, lead and molybdenum of each sample.

#### Discussion of Results

The results for copper, zinc, lead and molybdenum values in the soils are as follows:

1. Much of the area that has been sampled has lead, copper and zinc values that fall within the background ranges. Several values above the copper and zinc thresholds at 96+00N, 103+00E and at 97+00N, 103+00E correspond to known areas of copper mineralization.

In the area between station 94+00E and 97+00E on line 96+00N, between station 95+00E and 96+00E on line 97+00N and at station 95+00E on line 98+00N values for copper, zinc and lead are above threshold. This is in the down slope area of old workings and a chalcopryrite ore dump. Other scattered values above threshold for copper, lead and zinc show no significant patterns.

2. The majority of the molybdenum values fall within background ranges. The few scattered values above threshold show no significant patterns.

### Diamond Drilling


Between August 22, 1976 and September 24, 1976, 888.87 meters of diamond drilling were done in nine holes. A longyear #38 Diesel powered diamond drill was used. Core size from all holes was BQ.

Initial set up from and the final move out to the Big Bend Highway and all moves between drill set ups was done by Bell 206B helicopters.

All core has been put in wooden core boxes and stored at the camp on the property (100+00N, 102+50E: Grid Location).

The diamond drilling was done on contract by H. Allen Diamond Drilling of Merritt, B.C.

Drill hole deflection was measured by using the acid - test tube method.

  
Brian B. Hughes  
Geologist



## GEOPHYSICS

### Introduction

The C.E.M. survey was carried out by G. Fenton, A. Dickinson, W. Woolverton and D. Huston, under the supervision of J.T. Walker geophysicist, all employees of Noranda Exploration Company, Limited.

The C.E.M. equipment was manufactured by Crone Geophysics Ltd. of Mississauga, Ontario.

The Horizontal Shootback Method was employed at a frequency of 1830 Hz with a coil separation of 75 meters with Readings taken every 25 meters. A total of 41.3Km. were surveyed.

### Method

The two operators, in turn, transmit and receive at each station (75m. separation every 25m). The transmitter is held in the horizontal plane while the receiver detects the dip angle null. The transmitter operator then receives, with the receiver operator transmitting. The two dip angles are then added together. The resultant dip angle is then plotted mid-way between the two operator locations on the survey line. Dip angle measurements (in degrees) are made at 25m. intervals.

### Presentation of Results

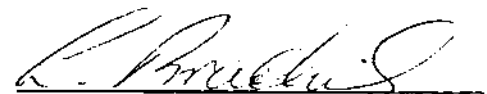
The C.E.M. results are plotted on a grid plan map (dwg. 4) at a scale of 1:5,000. The resultant dip angles are shown as continuous profiles with a vertical scale of 1 cm = 20°.

### Discussion of Results

Three anomalous areas are evident.

- 1) & 2) These two large, north-south trending conductors flanking the 100 E Base Line are believed to be caused by a "graphitic unit".
- 3) 3) This anomaly(L. 86N/98+50E, L87N/98+50E and possibly L88N/98+00E) shows a clean response due to a known, thin massive sulphide sheet.

Other thin sulphide bands occur within the grid area, but are of small dimensions and any response would be "buried" in the profile noise.



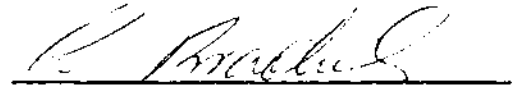
L. Bradish  
Geophysicist

APPENDIX 1 STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATION

I, Lyndon C. Bradish of the City of Vancouver, Province of British Columbia, do certify that:

1. I have been an employee of Noranda Exploration Company, Limited since May 1973
2. I am a graduate of the University of British Columbia with a Bachelor of Science Degree in Geophysics.
3. I am a member of the Canadian Institute of Mining and Metallurgy.
4. I have held the position of Geophysicist for Noranda Exploration Company, Limited since May 1973.

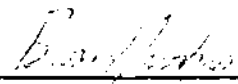


L. Bradish  
Geophysicist  
Noranda Exploration Company, Ltd.  
(No Personal Liability)

STATEMENT OF QUALIFICATION

I, Brian B. Hughes of the City of Vancouver, Province of British Columbia, do certify that:

1. I have been employed as a geologist by Noranda Exploration Company, Limited since April 1976.
2. I am a graduate of the University of British Columbia with a Bachelor of Science Degree in Geology (1974).

  
\_\_\_\_\_  
Brian B. Hughes  
Geologist  
Noranda Exploration Company, Ltd.  
(No Personal Liability)

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

PROJECT: Standard

TYPE OF REPORT: Geochemical Survey

(a) Employees: I. Saunders, D. Huston, B. McOougall, D. Bathe, B. Boersma,  
R. Johnston, A. Dickenson  
Number of days: 40

Dates worked: Between 7/13 and 8/31/76

(b) Average cost per day \$ 37.61

Total cost \$ 37.61 X 40

\$ 1,504.40

(c) Cost of food & accomodation

\$ 67.23

(d) Cost of transportation

i. During work period

type:

cost:

ii. To and from Claims from  
within B.C.

cost:

23.20

23.20

(e) Cost of aircraft

i. Fixed wing:

ii. Helicopter:

(f) Cost of instruments

i. Rental:

ii. Supplies

11.96

11.96

(g) Cost of geochem analysis  
(details attached):

1,062.00

(h) Cost of report preparation: 2 days @ 112.25

224.50

(i) Other:

TOTAL

2,893.20

NORANDA EXPLORATION COMPANY, LIMITED  
(WESTERN DIVISION)

DETAILS OF ANALYSES COSTS

PROJECT: Standard

<u>ELEMENT</u>	<u>NO. OF DETERMINATIONS</u>	<u>COST PER DETERMINATION</u>	<u>TOTAL</u>
Cu	354	1.00	354.00
Mo	354	1.00	354.00
Zn	354	.50	177.00
Pb	354	.50	177.00

1,062.00

APPENDIX 11 COST STATEMENTS

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

PROJECT: Standard Property

TYPE OF REPORT: Geophysical Survey

L.C. Bradish, J.T. Walker, D. Huston, M. Lowrie, G. Fenton,

(a) Employees: A. Dickenson, B. Woolverton

Number of days: 44

Dates worked: Between 8/10 and 9/29/76

(b) Average cost per day \$ 35.27

Total cost \$ 35.27 X 44

\$ 1,551.88

(c) Cost of food & accomodation

\$ 243.67

(d) Cost of transportation

i. During work period

type:

cost:

ii. To and from Claims from  
within B.C.

cost:

31.18

31.18

(e) Cost of aircraft

i. Fixed wing:

ii. Helicopter:

(f) Cost of instruments

i. Rental:

687.50

ii. Supplies

115.82

803.32

(g) Cost of geochem analysis  
(details attached ):

(h) Cost of report preparation: 2 days @ 112.25

224.50

(i) Other:

TOTAL

2,854.55



NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

PROJECT: Standard

TYPE OF REPORT: Line Preparation

G. Gibson, I. Saunders, D. Huston, B. MacDougall, B. Boersma,  
(a) Employees: B. Woolverton

Number of days: 41

Dates worked: Between 7/30 and 8/22/76

(b) Average cost per day \$ 43.60

Total cost \$ 43.60 X 41 \$ 1,787.60

(c) Cost of food & accomodation \$ 738.88

(d) Cost of transportation

i. During work period

type:

cost:

ii. To and from Claims from  
within B.C.

cost: 41.25 41.25

(e) Cost of aircraft

i. Fixed wing:

ii. Helicopter: 3,344.68 3,344.68

(f) Cost of instruments

i. Rental:

ii. Supplies 143.35 143.35

(g) Cost of geochem analysis  
(details attached ):

(h) Cost of report preparation:

(i) Other:

TOTAL

6,055.76

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

PROJECT: Standard

TYPE OF REPORT: Diamond Drilling

(a) Employees: G. Gibson, I. Saunders, L. Reinertson, D. Huston, B. Boersma  
R. Johnston, M. Lowrie, B. Hughes

Number of days: 90

Dates worked: Between 7/14 and 10/1/76

(b) Average cost per day \$ 46.63

Total cost \$46.63 X 90 \$ 4,196.70

(c) Cost of food & accomodation \$ 6,358.07

(d) Cost of transportation

i. During work period

type: Truck

cost: 562.38

ii. To and from Claims from  
within B.C.

cost: 1,297.08 1,859.46

(e) Cost of aircraft

i. Fixed wing: 34.30

ii. Helicopter: 14,932.00 15,016.30

(f) Cost of instruments

i. Rental: 125.00

ii. Supplies 42.08 167.08

(g) Cost of geochem analysis  
(details attached):

(h) Cost of report preparation: 4 days @ 116.20 467.60

(i) Other: Core Rock 137.35  
Assay 961.00  
D.D. Contract H. Allen 31,381.12  
B.C. Tel 258.26 32,738.23

TOTAL

60,803.44

APPENDIX III DRILL CONTRACT

SEP 10 1976

H. ALLEN DIAMOND DRILLING LTD.

TELEPHONE 378-4494

P.O. BOX 1397  
MERRITT, B.C.  
VOK 2B0.

CONTRACT - STANDARD PROJECT

BETWEEN: NORANDA EXPLORATION CO. LTD.,  
1050 Davie Street, P.O. Box 2380,  
Vancouver, B.C. V6B 3T5.

(Hereinafter referred to as the  
"COMPANY" of the First Part.)

AND: H. ALLEN DIAMOND DRILLING LTD.,  
Box 1397,  
Merritt, B.C. VOK 2B0.

(Hereinafter referred to as the  
"CONTRACTOR" of the Second Part.)

A. THE CONTRACTOR COVENANTS AND AGREES:

1. That all holes shall be drilled with B4 wireline equipment providing a core approximately 1 7/16" in diameter.
2. That the Contractor shall use his best endeavour to complete all holes according to the wishes of the Company, but should rock conditions prevent successful completion of the hole, the Contractor is not obliged to complete the same, but shall be paid for such incomplete holes at contract rates for the completed footage.

3. COMPENSATION:

The Contractor shall be responsible for all dues and assessments payable under any worker's Compensation Act or Ordinance whether Provincial or Territorial, in respect of its employees.

4. ECOLOGY and SANITATION:

During the course of the work, the Contractor shall keep the sight of any drilling and camp site area free from accumulation of waste materials, rubbish or garbage and upon completion of the work, shall remove all tools, scaffoldings, surplus materials rubbish and garbage and leave the working and camp site in a clean condition. The Contractor shall observe and comply with all applicable Federal and Territorial laws, regulations and orders relating to the prevention of forest fires and sanitation in the bush.

H. ALLEN DIAMOND DRILLING LTD.

TELEPHONE 378-4494

-- 2 --

Contract - Standard Project.

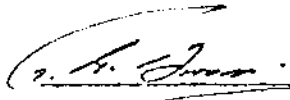
P.O. BOX 1397  
MERRITT, B.C.  
VOK 2B0.

- A.
5. Contractor will supply all necessary equipment and transportation for his crew.
  6. Contractor will deliver the equipment to the take off point for the sum of \$500.00. From the take off point till the drill is set up charged to the Company at \$10.00 per man hour.
  7. The Contractor will pay the first 16 man hours of time spent moving between holes. Hours in excess of 16 man hours charged to the Company at \$10.00 per man hour.
  8. Contractor will supply water to the drill at his expense up to a distance of 1,500 feet or vertical lift of 300 ft. Supplying water beyond these limits to be negotiated.
- B. THE COMPANY COVENANTS AND AGREES:
1. That payment for the herein described work shall be \$12.00 per foot for overburden and \$10.00 per foot for core drilling.
  2. Cementing drill holes will be charged to the Company at cost plus 10%. Cost of labour being union rates. Cost of equipment rental during cementing will be \$20.00 per day.
  3. Casing which is non-recoverable will be charged to the Company.
  4. Company will supply room and board for the drill crew.

IN WITNESS WHEREOF these presents have been executed by the parties hereto this 15<sup>th</sup> day of August A.D. 1976.

NORANDA EXPLORATION CO. LTD.

H. ALLEN DIAMOND DRILLING LTD.

  
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APPENDIX IV DRILL LOGS

NORANDA EXPLORATION COMPANY, LIMITED

Collared Aug 22/76		Completed Aug 23/76		Core Size BQ		Property Standard			Project No 49		NTS No. 82M/8W			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 3		
Lat. 94 + 90 N		Elev. -7010'		Dip -90		Lat.		Elev.		Dip		Hole No. NS-1		
Dep. 94 + 31 E		Depth 81.61 m		Bearing		Dep.		Depth		Bearing				
Footage METERS	Rec'y	Graphic Log	Description				% Sulp.	Est. Grade	Sample No.	Lt.	% Cu	% Zn	oz/t Ag	oz/t Au
0			Overburden (casing 10')											
2.74			Coarse Talcy Chloritic Schist: Limy and commonly veined with calcite. A few fine grained equiv. zones. Small garnets within the coarse schist at 14.40m coarse schist often looks brecciated.											
31.37	100%		Medium grained (1-2mm) <u>Greenstone</u> mainly greenstone, interlayered with coarse schist in several places, sharp contacts between greenstone and schist											
34.87														
34.87	95%	↑	Disseminated Sulfides: in greenstone which grades through a greenschist to a chlorite schist at 36.58m. 5cm band of po (fine grained) and euhedral and fine grained py. Disseminated sulfides becoming more concentrated and banded. Cpy associated with po in chloritic schist section.				Po-4 Py-4 Cpy-1		M-6292	1.71	0.42	0.06	0.10	0.002
36.58														
36.58	80%	6.1m	Disseminated Sulfides in chlorite schist (broken core) some sections Po rich with associated Cpy.				Po-5 Py-3		M-6293	1.82	0.82	0.13	0.16	0.004
38.40	80%	↓	Disseminated Sulfides with one 5cm massive sulfide band (Po,Py,Cpy) and one 21cm band of massive sulfides (Po,Py,Cpy) in the chloritic schist				Cpy-1.5 Po-5		M-6294	1.01	2.40	0.30	0.32	0.033
39.41							Py-5 Cpy2							
39.41	80%	↓	Disseminated Sulfides: in a more competent chloritic schist with a 40cm massive sulfide band and a 18cm massive sulfide band (Po,Py,Cpy)				Py-6 Po-3 Cpy-1		M-6295	1.56	0.90	0.13	0.16	0.006
40.97														
40.97	100%		Fine grained Greenstone to greenschist.											
42.00														
42.00	100%		Interlayered <u>Coarse Chloritic Schist</u> and greenschist. No sulfides											

DATE Aug. 27/76

LOGGED BY BBH

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property			Project No		NTS No.			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 3		
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No. NS-1		
Dep.		Depth		Bearing		Dep.		Depth		Bearing				
Footage Meters	Rec'y	Graphic Log	Description				% Sulp.	Est. Grade	Sample No.	Lt.	% Cu	% Zn	oz/t Ag	oz/t Au
46.00			Greenstone to Greenschist											
46.54	100%													
45.54	80%	1.9 m	- 60% Massive Sulfides and banded sulfides; greenschist grading into chloritic (sheared) schist. Dissem. sulfides between massive zones Py cubes and fine grained Po and Cpy				Py-20 Po-30 Cpy-8		M-6296	1.07	1.20	0.21	0.20	0.012
47.61														
47.61			Disseminated Sulfides in chloritic schist (very fissile) Py cubes, Po and Cpy fine grained, Cpy also on slip surfaces				Py-1 Po-1 Cpy-2		M-6297	3.60	0.13	0.06	0.10	0.001
51.21														
51.21			Disseminated Sulfides in chloritic schist: as above, several carbonate veins				Py-1 Po-1		M-6298	3.04	0.17	0.03	0.10	0.001
54.25	75%						Cpy-2							
54.25			As above											
57.00	80%						"		M-6300	2.75	0.36	0.07	0.12	0.003
57.00			As above; with one 5cm massive sulfide band (Py,Po,Cpy)				"		M-6299	3.35	1.10	0.12	0.20	0.006
60.35														
60.35			As above											
63.40	80%						"		M-6301	3.05	0.69	0.07	0.14	0.005
63.40			As above				"		M-6302	3.05	0.54	0.08	0.14	0.004
66.45	90%						"							
66.45			As above				"		M-6303	3.04	1.00	0.40	0.16	0.007
69.49	90%						"							
69.49			As above; with one 30cm banded. Sulfide band (20% in a carbonate speckled schist. Last 20cm quite talcy.				Po-3 Py-5		M-6305	1.53	0.58	0.15	0.12	0.007
71.02							Cpy-.5							
71.02	95%		Disseminated Sulfides in chloritic schist with one 25cm band of massive sulfides (Py Po Cpy)						M-6304	1.52	0.44	0.09	0.12	0.003
72.54														
72.54	98%		Disseminated Sulfides in chlorite schist. Slightly more competent schist. Sulfide content decreasing towards end of section.				Py-1 Po-1 Cpy-.1		M-6306	1.53	0.11	0.04	0.08	0.002
74.07														

DATE Aug. 27/76

LOGGED BY BBH





NORANDA EXPLORATION COMPANY, LIMITED

Collared Aug 24/76	Completed Aug 25/76	Core Size BQ	Property Standard	Project No 49	NTS No. 82M/8W
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. 94 + 90 N	Elev. -7010'	Dip -50°	Lat.	Elev.	Dip
Dep. 94 + 30 E	Depth 84.43m	Bearing 235°	Dep.	Depth	Bearing
					Hole No. NS 2

Footage Meters	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	%Cu	%Zn	Oz/t Ag	Oz/t Au
0 1.52			Overburden 1.83m casing (6')								
1.52	100%		Coarse grained feldspar chlorite talc schist: with quartz veining and quartz eyes. Some carbonate veining, also carbonate matrix in some areas in the schist. Mainly coarse grained with several .5 to 1 meter sections of fine grained siliceous chloritic schist (same unit) some small red garnets associated with carbonate blebs at 9.54m								
27.43											
27.43 29.57	100%		Greenstone with some greenschist zones and minor quartz veining.			P-2976	2.14	0.01	0.01	0.02	0.001
29.57	100%	<i>Massive</i>	Four (3-4cm) bands of massive sulfides and one 20cm band of massive sulfides. One 3cm band is mainly cpy, the other bands appear to be coarse (2-3mm) to fine py with a little po; disseminated sulfides in greenschist.			P-2977	1.67	0.48	0.40	0.08	0.002
31.24											
31.24 32.10	100%		Greenstone fairly coarse grained small amount (<.5%) dissem. sulfides.			P-2978	0.86	0.02	0.06	0.04	0.001
32.10			Sheared chloritic schist with disseminated sulfides (po cpy, py) cpy appears to be replacing po. broken core (some relict sulfide veining?)			P-2979	2.90	0.24	0.08	0.08	0.001
35.00											
35.00 38.00	95%		As above: some carbonate veining			P-2980	3.00	0.23	0.06	0.08	0.001
38.00 41.00	95%		As above			P-2981	3.00	0.13	0.06	0.08	0.001
41.00 43.77	98%		As above: Py cubes and carbonate veins	2%		P-2982	2.77	0.35	0.10	0.10	0.001
43.77 44.23	99%		As above: becoming more banded with sulfide at end of section	2.5		M-6284	0.46	1.92	0.26	0.30	0.075

DATE Aug. 27/76

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NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property			Project No		NTS No.			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 3		
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.		
Dep.		Depth.		Bearing		Dep.		Depth		Bearing		NS 2		
Footage	Rec'y	Graphic Log	Description				% Sulp.	Est. Grade	Sample No.	Lt.	%Cu	%Zn	Oz/t Ag	Oz/t Au
44.23	99%	1.1m	Massive sulfide zone: fine grained po,py & cpy also py cubes throughout				po-30 10-cpy		M-6285	1.15	3.50	0.60	0.46	0.037
45.38			Carbonate veins and eyes (2.5 mm) within sulfides. Massive po areas associated with carbonate veining											
45.38 46.06	80%		Sheared chloritic schist: interbanded and dissem. sulfides po and cpysmeared along shears <1% sulfides				po-.8 cpy-.1		M-6286	0.68	0.76	0.16	0.16	0.001
46.06		1.5m	Banded massive sulfides zone: po,py,cpy banded, mainly po and py carbonate veins and eyes, some quartz eyes. some				py-.1 py-40							
47.55			py cubes. Brecciated and deformed textures noted within sulfide zone. 20cm barren greenstone section in zone.				po-40 cpy-10		M-6287	1.49	1.96	0.43	0.26	0.008
47.55	85%		Sheared chloritic schist with dissem. sulfides. euhedral py and fine grained po and cpy. Cpy replacing po and				2%		M-6288	1.71	0.34	0.12	0.14	0.003
49.26			associated with carbonate veins.											
49.26 50.41	90%	1.2m	Banded massive sulfides as before: with a 60cm section of dissem. sulfides in chlorite schist.				po-5 cpy-2		M-6289	1.15	1.98	0.34	0.28	0.008
50.41 51.39	98%		Sheared chloritic schist with dissem sulfides. Slightly limy and more competent than before sulfides <1% of rock				.5		M-6290	0.98	0.06	0.10	0.08	0.002
51.39		1.8m	Banded massive sulfide zone: small section in centre of chlorite schist (13cm): Also sulfides banded with schist				po-30 py-30		M-6291	1.84	1.32	1.15	0.20	0.006
53.23			in some areas. Euhedral py and fine grained py, po & cpy				cpy-5							
52.23			Sheared chloritic schist interlayered with a coarser green-schist to greenstone. Some dissem. sulfides and several				1%		P-2983	1.77	0.48	0.14	0.10	0.001
55.00			blebs of cpy (3-4 mmdia)											
55.00 57.00	100%		Greenstone to green schist: limy & carbonate veined no sulfides.											

DATE Aug 27/76

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NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property			Project No		NTS No.			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 3 of 3		
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.		
Dep.		Depth		Bearing		Dep.		Depth		Bearing		NS 2		
Footage Meters	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.			
57.00			Greenstone to coarser chlorite talc schist: limy, 15cm											
58.50	100%		massive sulfide band, mainly po.					2%						
58.50			Medium grained chlorite talc schist: more competent than											
59.50	100%		sheared chlorite schist.											
59.50			Medium grained carbonate chlorite talc schist, mottled											
74.04	100%		texture in places becoming a greenstone and greenschist											
74.04			Two band of grey banded limestone to dolomite with green-											
74.90	100%		schist between.											
74.90	97%		Greenstone banded carbonate also carbonate veins (1-5mm)											
84.43			To end of hole.											
			EOH 84.43 meters											
			(277')											
			Acid test (corrected)											
			0m 52° measured											
			45m 53°											
			84.43m 54°											

*Brian Hughes*

NORANDA EXPLORATION COMPANY, LIMITED

Collared	Aug 29/76	Completed	Aug 31/76	Core Size	B0	Property	Standard	Project No	49	NTS No.	82M/8W	
FIELD COORDINATES						SURVEYED COORDINATES				Sheet 1 of 2		
Lat.	95+74N	Elev.	-6980'	Dip	-90°	Lat.		Elev.		Dip		
Dep.	94+54E	Depth	89.98m	Bearing		Dep.		Depth		Bearing		
											Hole No.	NS-3

Feet Meters	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	Cu %	Zn %	Au oz/t	Ag oz/
0 1.53			Over Burden casing to 2.14m(?)								
1.53	100%		Coarse chlorite schist - mottled texture, limy ranging from medium grained (2-3mm) to coarse grained (5-8mm) (brecciated looking in places) some vuggy section (usually blocky core) becoming calcite banded around 20.00m also								
			some veining.								
24.62 24.62	80%		Greenstone - limy and calcite veined locally minor Py cubes.	7.01		P-2984	1.36	0.04	0.04	<0.001	0.06
25.98 26.99	80%		Greenstone - chlorite schist - coarse schist. 25cm massive band of sulfides. Mainly py cubes and fine grained po, minor cpy. Sulfides are in 40 cm section of sheared chlorite schist. Some calcite and minor qtz. eyes in sulfides, also quite limy.			P-2985	1.01	0.46	0.36	0.004	0.14
26.99 26.99			Coarse chlorite schist - mottled texture, and limy carbonate banded, grading into a greenstone in last 20cm sec.			P-2986	2.09	0.01	0.02	<0.001	0.04
29.08 29.08	100%		Sheared chlorite schist: starts with 20cm band of massive sulfides, py cubes finegrained po and minor cpy replacing po. Dissem sulfides and bands associated with carbonate veins throughout chlorite schist. Mainly po with associated cpy. Schistosity in massive sulfides deformed			P-2987	2.01	0.42	0.30	0.004	0.14
31.09 31.09 32.02	100%		Greenstone - limy banded minor euhedral py			P-2988	0.93	0.06	0.02	<0.001	0.06
32.02 35.38	100%		As above								

DATE: Sept 1/76

LOGGED BY: BOH



NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property		Project No		NTS No.				
Aug 31/76		Sept 2/76		BQ		Standard		49		82M/8W				
FIELD COORDINATES						SURVEYED COORDINATES								
Lat. 95 + 74 N		Elev. -6980'		Dip 50°		Lat.		Elev.		Dip				
Dep. 94 + 53 E		Depth 99.39 m		Bearing 235°		Dep.		Depth		Bearing				
						Sheet 1 of 2								
						Hole No. NS-4								
Footage	Rec'y	Graphic Log	Description				% Sulp.	Est. Grade	Sample No.	Lt.	Cu %	Zn %	Au oz/t	Ag oz
0			Overburden, casing											
-2.44														
10.34	98		<u>Coarse chlorite schist:</u> limy; talcy; mottled texture											
16.26	100		Same as above											
-22.08	100		Same as above; 0.35m of qtz at 17.36 less talc and more chlorite at end of section.											
-23.08	100		Same as above				<.5		P 2994	1.00	0.01	0.02	<0.001	0.02
-23.48	100		<u>Massive sulfides:</u> banded py,cpy,po				90	2.0	P 2995	0.40	0.88	0.78	0.006	0.26
-26.18	95		<u>Chorite schist:</u> some talc, limy; sulfides on foliations py cpy				2	.05	P 2996	2.70	0.04	0.02	0.001	0.04
-26.77	95		As above; a few bands of massive sulfide 1.0 to 5.0cm thick; py,cpy,po				10	0.5	P 2997	0.59	1.68	0.40	0.014	0.18
-27.95	98		As above; very sparse sulfides on foliations: py,cpy				<.5		P 2998	1.18	0.06	0.10	<0.001	0.08
			<u>Talc Schist:</u> some sections almost pure talc; minor chorite; <.5% calc.											
-38.27	100		Numerous qtz filled fractures with no preferred orientation; almost breccia-like in appearance											
-45.12	100		Chlorite talc schist: some sections fine grained, more chloritic; some heavy talc.											
	100		<u>Greenstone:</u> some limy bands; minor sulfides at 46.30 to 46.86 (py,cpy) 2.9m of talcose schist at 53.80; occasional sections of up to 1.0% diss.py; greenstone generally poorly foliated; some epidote development; becoming more limy; two 30cm bands of chlorite-talcose-limestone at 76.95 and 75.90;											

DATE Sept. 7, 1976

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NORANDA EXPLORATION COMPANY, LIMITED

Collared Sept 7/76	Completed	Core Size 80	Property Standard	Project No 49	NTS No. 82M/8E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. 86+ 37 N	Elev. 6940'	Dip -50°	Lat.	Elev.	Dip
Dep. 99 + 70 E	Depth 108.89m	Bearing 250°	Dep.	Depth	Bearing
			Sheet 1 of 2		
			Hole No. NS-5		

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	Cu%	Zn%	Au oz/t	Ag oz/
0			Overburden casing to 0.92 (3')								
0.92	100%		Greenstone: Green crystalline matrix with white relict feldspars? Crystal (.5-1mm) throughout. Interbanded and veined with calcite. Also veined with white quartz in places particularly 30. 20m. A little rusty broken core at 15.00m. A 20cm section of chlorite schist at 27.10m (diopside)? a 20 cm section of epidote at 59.60m. Also one at (5cm) 66.60m. another at 66.30cm (10cm). Some rusty broken core at 79.50m becoming quite limy and a grey colour at 84.49 - 85.50m then green stone (limy) up to 87.54. Last 3 meter has 40° to C.A. schistosity.								
87.54			Small fault gouge at 84.35m (5cm) minor py associated with carbonates.								
87.54	80%		Sheared Chloritic Schist: With a 10cm section of massive sulfides mainly fine grained po and some py with minor associated cpy. Calcite veined. Fragments of schist within sulfide zone.	po-20 py-5 cpy-1		P2999	0.26	0.82	0.16	0.020	0.16
87.80			Talc chlorite coarse schist. Carbonate veined (2-4mm veins) mainly conformable to schistosity but a few cross cutting. Very talcy for fist 2.50 meters. A 20cm dense green schist (chlorite) at 91.90m. Becoming finer grained and banded with calcite (up to 50%) at 103m. and continuing to end of hole. Last section very limy.								
108.89											



NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size	Property	Project No	NTS No.						
Sept 11/76		Sept 12/76		B0	Standard		82M/8E						
FIELD COORDINATES					SURVEYED COORDINATES					Sheet 1 of 2			
Lat.		Elev.		Dip	Lat.		Elev.		Dip	Hole No.			
85 & 37 N		6920'		-50°						NS - 6			
Dep.		Depth		Bearing	Dep.		Depth		Bearing				
99 & 70 E		108.89m		250°									
Footage Meters	Rec'y	Graphic Log	Description			% Sulp.	Est. Grade	Sample No.	Lt.	Cu %	Zn %	Au oz/t	Ag oz.
0			Overburden, casing 3.05m (10')										
2.75			Greenstone - Massive fine grained green matrix with (relict plagioclase) white subhedral crystals (<.4mm) throughout. Veined and banded with calcite generally at 75° C.A., core seems to break at this angle also. 20cm band										
2.75	100%		of sheared chloritic schist at 25.05, contains minor Po ± Py. Bands of calcite in greenstone vary from 1mm to 4cm in size, some broken and rusty core at 60.75 (about 30cm). Quartz-dioptase band at 50.25 (10cm). Veining										
			becoming predominantly quartz with minor calcite from about 60.00 to 79.00m, then back to carbonate veins and bands. 20 cm band of quartz dioptase at 68.05m. Another 5cm band at 85.75. Veining and core breaks at about 80° - 75° to core axis now. Becoming more limy and at 90°										
99.04			T0/C.A. from 97.00 to 99.04m.										
99.04	100%		Sheared Chloritic Schist banded with Po, Py, Cpy and calcite ( 50% sulfides.)			50	0.9	P-3000	0.50	2.48	0.36	0.003	0.28
99.54			Cpy appears associated and replacing Po - both fine grained, more euhedral Py.										
99.54			<u>Grey Green Schist to Coarse laminated Chlorite talc schist</u>										
	99%		Quartz and calcite bands and bouds. Becoming finely laminated and limy towards 101.50. 20cm of rust broken core at 105.64 acid tested area at 105.84 gives a yellow powder when dry? Also noted in same area in hole NS-5. Schist interbanded with thin bands of graphitic schist from 106.00 to end of hole										
108.89													



NORANDA EXPLORATION COMPANY, LIMITED

Collared Sept. 14	Completed Sept. 16	Core Size B0	Property Standard	Project No 49	NTS No. 82M/8E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. 87 & 37 N	Elev. 6900'	Dip -50°	Lat.	Elev.	Dip
Dep. 99 & 64 E	Depth 108.89m	Bearing 250°	Dep.	Depth	Bearing
			Hole No. NS - 7		

Footage Meters	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	Cu %	Zn %	Au oz/t	Ag oz/t
0 1.83			Overburden Casing 1.83 (6')								
1.83	100%		<u>Greenstone</u> : Banding is at 80° to C.A. Calcite banded, Rusty section at 6.70 (20cm), another at 9.50m. Calcite veining from 11.00 to about 15.00 has cross cutting relationship to banding (up to 90° to C.A.) quartz veining associated with diopside at 26.00m, also other quartz veins from 0.5 to 1 cm & usually conformable with greenstone banding. A 1cm lens of calcite and Po plus minor Cpy at 54.65m. greenstone grading from a fine grained (<.5mm) to a coarser grained (.5-1mm) texture. Another small calcite - Po plus minor Cpy lens at 15.04m. Green stone becoming quite banded with calcite and Euhedral Py at 102.50.								
102.60 102.60			<u>Sheared Chloritic Schist</u> : Disseminated and banded sulfides Po & Cpy. First 20cm is banded schist and calcite with Py, next 45cm has minor amounts of Po & Cpy in sheared chlorite schist, last 65cm has banded sulfides associated with calcite veining.	8%		P-2952	1.30	1.76	0.24	0.013	0.24
103.90	95%										
103.90			<u>Coarse Talc Chloritic Schist</u> : becoming banded at 107.00m and quite limy. Coarse mottled texture from 103.90 to about 107.00m			P-2953	1.00	0.02	0.02	<0.001	0.04
103.89	100%										
			EOH								
			108.89 meters (357')								
			Acid Test Corrected								
			0m - Measured @ - 50°								
			51.85 - -50°      108.89 - -48°								

DATE Sept. 19/76

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*Brook Hughes*

NORANDA EXPLORATION COMPANY, LIMITED

Collared	Sept. 18	Completed	Sept. 20	Core Size	BQ	Property	Standard	Project No	49	NTS No.	82M/8E
FIELD COORDINATES						SURVEYED COORDINATES				Sheet 1 of 3	
Lat.	97 & 13N	Elev.	6785	Dip	-45°	Lat.		Elev.		Dip	
Dep.	103 & 00E	Depth	95.16m	Bearing	250°	Dep.		Depth		Bearing	
						Note No. NS - 8					

Feet Meters	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.				
0 4.27			Overburden Casing (14')								
	90%		Grey Green to Coarse Talc Chlorite Banded Schist Interbanded with some graphitic schist, limy banded and contorted schistosity common, has a general 30° to C.A. schistosity. Some 1-30cm quartz veins. Several areas of rusty broken core.								
7.90											
7.90	95%		Dark Banded Graphitic Phyllite: Thinly banded and limy, some minor 2-3mm quartz veining and bouds. Euhedral pyrite common. First 30cm is quartz rich broken core, contorted schistosity also common in section.								
14.35											
14.35	90%		Interbanded Grey Green (Locally coarser grained and mottled) and Graphitic Phyllite. Some sections of broken core limy banded and veined, minor quartz bouds, minor Py (euhedral). Fairly consistent schistosity. - 20° to C.A.								
20.56											
20.56			Grey green slightly banded (and coarse mottled textured locally). Chlorite Talc Schist: Quartz banded, streaked with touqu- oise green mineral, predominant at 24.20 where the rock is much darker (ultra mafic?) with talc & fine gr. Py cubes (and abundant green streaking) two 1cm Py band at end of section								
25.10											
25.10			Grey Quartzite with several calcite veins cutting at 90° to cleavage. Some sericitic - quartz bands also. Becoming grey green banded towards end of section, fairly massive quartzite.								
26.90											

DATE Sept. 20/76

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NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property			Project No		NTS No.			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 3		
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.		
Dep.		Depth		Bearing		Dep.		Depth		Bearing		NS - 8		
Footage Meters	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.			
26.90	90%		Inter Banded grey green and graphitic schists. Green mineral streaked 11 to schistosity in last 60cm of section becoming pure talc in last 3cm (broken core.)											
30.00														
30.00 33.84			Dark Banded Graphitic Schist - First 30cm broken core-gouge? euhedral Py, limy as before.											
33.84	85%		One meter band of grey greenschist then interbanded grey green and graphitic schist. gouge from 35.39 to 35.84 rest of section looks breccia-like and contorted schistosity., limy.											
39.96														
39.96	100%		Talc Schist (ultra mafic zone) section starts with a 20cm massive white quartz with turquoise green mineral, into a dark, spotted (peppered) talc rich rock. Same as at 24.00, more green mineral at 44.70 then into grey green chlorite talc schist. (similar to ultramafic).											
47.00														
47.00			Graphitic Banded Limestone first 1 meter is a good limy dark graphitic schist which grades into the graphitic bands. Generally schistosity 25-30° to C.A. small (10cm) of gouge at 47.84m. Some quartz bands towards end of											
61.59	100%		section. Last 10-15cm is gouge.											
61.59			Dark Banded Graphitic Schist interbanded with some grey green schist locally (Minor), Limy, Euhedral pyrite in											
			graphitic bands. Becoming less limy and more quartz banded towards end of section. 25cm white quartz band at											
95.16			90.24m. Schistosity keeps a general 25-30° angle to C.A. several small sections of broken core .											

DATE Sept 20/76

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6

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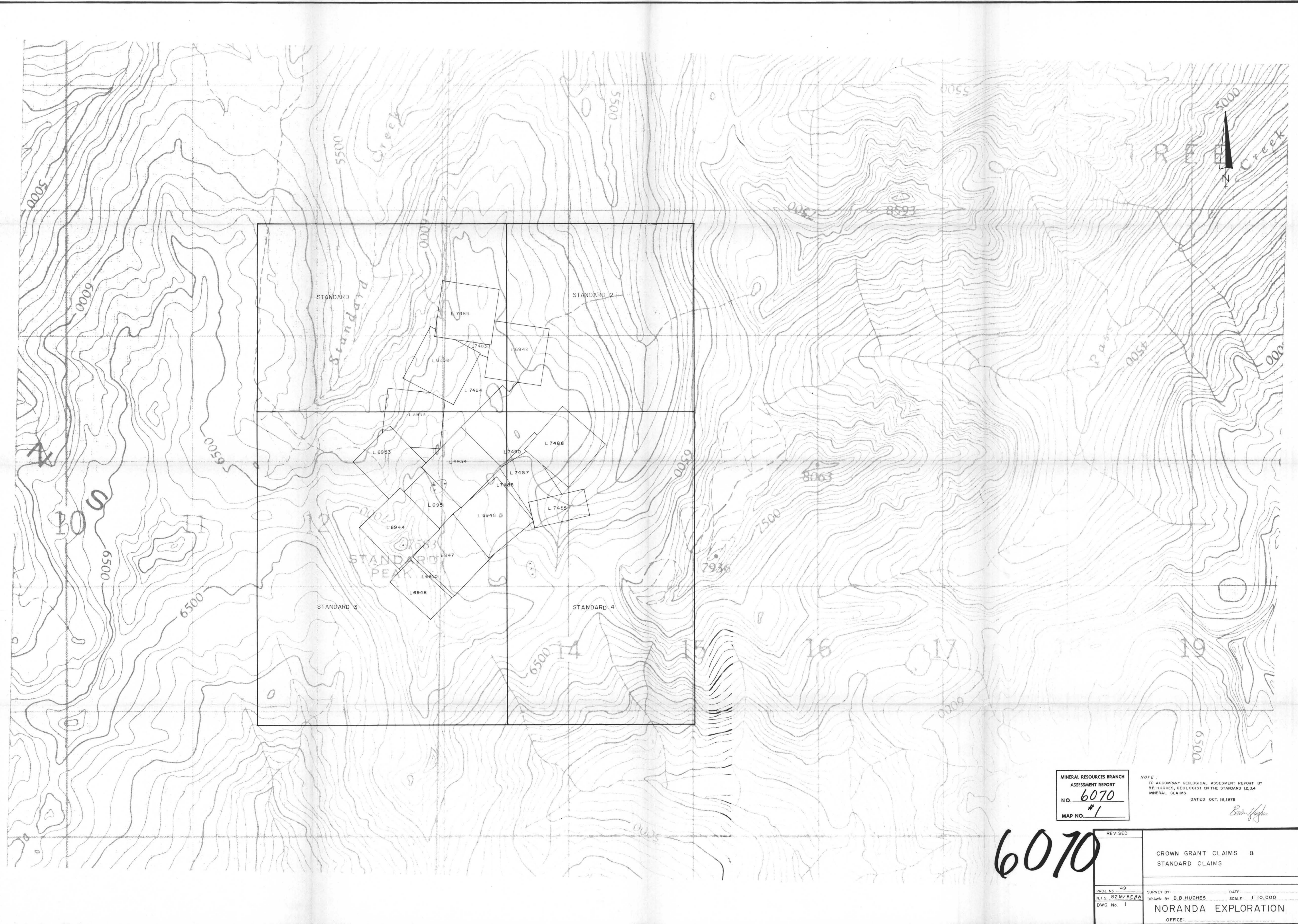
Collared <u>Sept. 22</u>	Completed <u>Sept. 24</u>	Core Size <u>B0</u>	Property <u>Standard</u>	Project No <u>49</u>	NTS No <u>82M/8E&amp;W</u>
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. <u>95+90N</u>	Elev. <u>-6880'</u>	Dip <u>-45°</u>	Lat.	Elev.	Dip
Dep. <u>95+65E</u>	Depth <u>111.63</u>	Bearing <u>235°</u>	Dep.	Depth	Bearing
					Sheet <u>1</u> of <u>2</u>
					Hole No. <u>NS - 9</u>

Footage Meters	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	Cu %	Zn %	Au oz/t	Ag oz
0											
1.22			Overburden Casing (4')								
1.22			<u>Green Quartzite</u>								
1.62	100		with several white qtz. bouds.								
1.62			<u>Talc Schist (Ultra Mafic)</u>								
	95		Peppered texture and also massive dark green sections, Talc rich, first meter is light green and in places pure talc. 50cm section at 29.30 of sheared chloritic schist, breccia like for first 10cm. Pure talc at 29.70 (30cm)								
35.20											
35.20			<u>Limy Banded Greenstone</u>								
37.30	100										
37.30			<u>Greenstone</u>								
38.74	100		not limy								
38.74			<u>Limy Greenstone</u> to mottled green schist								
41.15	100										
41.15			<u>Greenstone</u>								
43.30	100		not limy								
51.54			Limy Mottled greenschist calcite and Qtz. banded. Band of calcite and QTZ with diopside at 47.89 (for 20cm)								
51.54			<u>Sheared Chloritic Schist</u>								
			First 40cm is banded sulfides (60%) Po + Cp with minor Py, associated with calcite banding, the rest <1% sulfides	30%		P2954	0.76	1.46	0.50	0.18	0.046
52.30											
52.30			<u>Greenstone:</u> Limy and quartz banded quartz bouds. Also								
59.50	100										
59.50			<u>Talc Schist:</u>								
			First 50cm talc rich sheared chloritic schist into pure light green talc. Mottled and peppered texture, also sections of dark (massive) green schist. Broken core locally.								
76.58											

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property			Project No		NTS No.			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 2		
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.		
Dep.		Depth		Bearing		Dep.		Depth		Bearing		NS - 9		
Footings Meters	Rec'y	Graphic Log.	Description				% Sulp.	Est. Grade	Sample No.	Lt.	Cu %	Zn %	Au oz/t	Ag Oz
77.78			Gouge at 61.92 and 64.90 (10cm bands).						P-2955	1.20	0.01	0.02	0.02	0.0
77.78			Sheared Chloritic (Talc) Schist											
80.78	99%		First 13 meters is carbonate banded.				0		P-2956	3.00	0.02	0.02	0.06	0.0
80.78			Po and minor Cpy along shear planes. Cpy replacing Po.				<.2		P-2957	3.0	0.10	0.02	0.06	0.0
83.78	90%													
83.78			Less than .8% sulfides 2cm band of massive sulfides at				<.5		P-2958	3.0	0.09	0.02	0.06	0.0
86.78	95		99.02											
86.78									P-2959	3.0	0.08	0.02	0.08	0.0
89.78														
89.78									P-2960	3.0	0.10	0.02	0.10	0.0
92.78														
92.78									P-2961	3.0	0.06	0.02	0.08	0.0
95.78														
95.78									P-2962	3.24	0.20	0.08	0.08	0.0
99.02														
99.02			Coarse Talc Chlorite Schist:											
101.00			5cm banded sulfides at 99.50, 48cm of massive sulfides						P-2963	1.98	0.32	0.30	0.10	0.0
101.00			(-90%Py) at 100.50, 5cm of Po, Py, & minor Cpy at 104.38						P-2964	4.00	0.08	0.16	0.04	0.0
105.00														
105.00			Schist is carbonate and QUTZ. banded. Mottled texture.											
111.63														
			EOH 111.63 meters ( 66')											
			Acid Test (Corrected)											
			0m (Measured) -45°											
			51.85m - 45°											
			111.63m - 44°											
			Light water flow at 61.92m											

*Bruce Hughes*



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
NO. **6070**  
#1  
MAP NO. **1**

NOTE:  
TO ACCOMPANY GEOLOGICAL ASSESSMENT REPORT BY  
B.B. HUGHES, GEOLOGIST ON THE STANDARD (2,3,4)  
MINERAL CLAIMS  
DATED OCT. 18, 1976  
*Brian Hughes*

**6070**

REVISED	
PROJ. No. 49	SURVEY BY _____ DATE _____
NTS. 3/2 M/8 E/W	DRAWN BY B.B. HUGHES SCALE 1:10,000
DWG. No. 1	NORANDA EXPLORATION
	OFFICE _____



MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
 NO. 6070  
 MAP NO. #2

**6070**

NOTE: TO ACCOMPANY GEOCHEMICAL ASSESSMENT REPORT BY B.B. HUGHES, GEOLOGIST ON THE STANDARD 1,2,3,4 MINERAL CLAIMS. DATED OCT 18, 1976

REVISED	STANDARD PROPERTY	
	GEOCHEMICAL SURVEY Cu, Mo in PPM.	
PROJ. No. 49	SURVEY BY: B.B. HUGHES	DATE: SEPT. 1976
N.T.C. 82M/82E.W.	DRAWN BY: JAN. VAN VOORST	SCALE: 1:5000
DWG. No. 2	NORANDA EXPLORATION	
	OFFICE: VANCOUVER	

65 Cu  
2 Mo



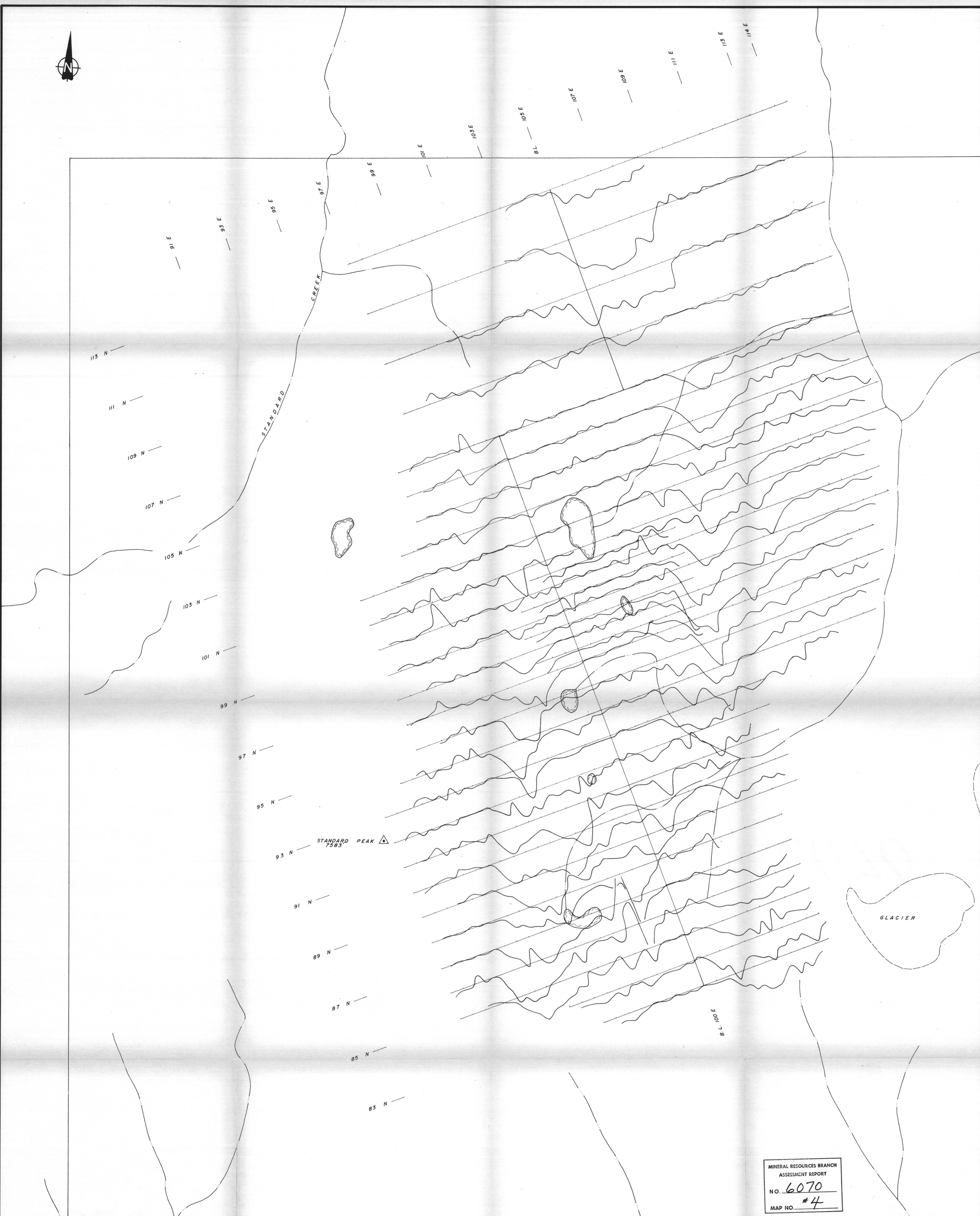
MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
 No. **6070**  
 MAP NO. **#3**

**6070**

NOTE:  
 TO ACCOMPANY GEOCHEMICAL ASSESSMENT REPORT  
 BY BB HUGHES, GEOLOGIST ON THE STANDARD 1,2,3,4  
 MINERAL CLAIMS. DATED OCT 18, 1976

REVISED	STANDARD PROPERTY	
	GEOCHEMICAL SURVEY Zn, Pb in PPM.	
PROJ. No. 49	SURVEY BY: BRIAN B. HUGHES	DATE: SEPT. 1976
N.T.S. 82M/BE.W	DRAWN BY: JAN VAN VOORST	SCALE: 1:5000
DWG. No. 3	<b>NORANDA EXPLORATION</b>	
	OFFICE: VANCOUVER	

52 Zn  
20 Pb



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
No. **6070**  
MAP NO. **#4**

**6070**

CLAIM BOUNDARY

TO ACCOMPANY GEOPHYSICAL ASSESSMENT  
REPORT BY L. BRADISH, GEOPHYSICIST ON  
STANDARD 1, 2, 3, AND 4  
*L. Bradish* DATED OCT 15 1976

REVISED	STANDARD PROPERTY	
	CEM SURVEY HORIZONTAL SHOOTBACK RESULTANT NULL ANGLE PROFILES VERTICAL SCALE 1 cm = 20' COIL SEP 175m FREQ 1800 Hz	
PROJ. No. 49	SURVEY BY G. FENTON	DATE: SEPT. 1976
N.T.S. 82M/8E.W	DRAWN BY JAN VAN VOORST	SCALE: 1:5000
DWG. No. 4	NORANDA EXPLORATION	
	OFFICE: VANCOUVER	



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
NO. 6070  
#5  
MAP NO.

**6070**

NOTE:  
TO ACCOMPANY GEOCHEMICAL ASSESSMENT REPORT BY  
BBHUGHES, GEOLOGIST ON THE STANDARD MINERAL CLAIMS  
DATED OCT 18, 1976

DDH HOLE	BEARING	DIP	DEPTH meters
NS-1	-	-90°	81.61
NS-2	235°	-50°	84.43
NS-3	-	-90°	89.98
NS-4	235°	-50°	99.39
NS-5	250°	-50°	108.89
NS-6	250°	-50°	108.89
NS-7	250°	-50°	108.89
NS-8	250°	-45°	95.16
NS-9	235°	-45°	111.63

REVISED		STANDARD PROPERTY	
BBH	8/10/76	DIAMOND DRILL PLAN	
		○ DDH LOCATION	
PROJ No. 49	SURVEY BY: JAN VAN VOORST	DATE: SEPT. 1976	
N.T.S. 82M/8E.W.	DRAWN BY: JAN VAN VOORST	SCALE: 1:5000	
DWG. No. 5	<b>NORANDA EXPLORATION</b>		
	OFFICE: VANCOUVER		