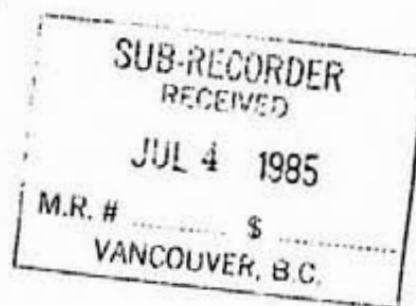


13,727
part 2 of 2

4/85

ASSESSMENT REPORT
DRILLING
(MABEL LAKE DDH #6 AND 7)
ON THE
SHERPA 1 MINERAL CLAIM
N.T.S. 82L/10E
LAT. $50^{\circ}40'N$ and $118^{\circ}38'W$
VERNON MINING DIVISION



Owner : John Leask
Operator : Noranda Exploration Company, Limited (no personal liability)
Author : James McDonald
Date : April, 1985

TABLE OF CONTENTS

PAGE

1. INTRODUCTION
2. LOCATION AND ACCESS
3. TOPOGRAPHY
4. CLAIMS INFORMATION
5. DRILLING
 - 5.5.1 Mabel Lake DDH #6
 - 5.5.2 Mabel Lake DDH #7
 - 5.5.3 Summary
6. RECOMMENDATIONS

APPENDICES

- Appendix 1 Statement of Costs
Appendix 2 Statement of Qualifications

DRAWINGS

- | | | |
|-----------|---------------------------------|---------------|
| Map 1 | Drill Hole Location | Scale 1:2,500 |
| Drawing 1 | Cross Section Mabel Lake DDH #6 | Scale 1:500 |
| Drawing 2 | Cross Section Mabel Lake DDH #7 | Scale 1:500 |

1. INTRODUCTION

The Sherpa 1 mineral claim consists of 20 units and was staked during late 1982 by John Leask. The claim was optioned by Noranda Exploration Company, Limited (no personal liability) during October, 1983. It is part of the Alpha claim group which consists of Sherpa 1 and 2 (20 units), owned by John Leask, and Sherpa 100, 200, and 300 (18 units each) owned by Noranda Exploration Company, Limited (no personal liability).

The option on the property was based upon the occurrence of quartzite float mineralized with lead and zinc. Subsequent airborne and ground geophysical, geochemical, and geological surveys lead to a diamond drill hole (DDH Rebar #5) on the Sherpa 1 claim, which encountered mineralization. Further ground geophysical, geochemical, and geological surveys were conducted and lead to the drilling of Mabel Lake diamond drill holes (NQ) #6 and #7, the subject of this assessment report.

2. LOCATION AND ACCESS

The Sherpa 1 claim is centered about $118^{\circ}38'W$ and $50^{\circ}40'N$ within N.T.S. map sheet 82L/10E. The mineral claim is situated about 3.0 km north of Tsuius Creek and is accessed by good logging road approximately 50 km northeast of Lumby. The Mabel Lake Road, from Lumby, runs through the west-central portion of the claim, and the drillholes are further accessed by about 2 km of skidder trail.

3. TOPOGRAPHY

The Sherpa 1 claim flanks the western side of Mount Mabel (2,137 m). The maximum relief is about 750 m over a constant slope of 30° to 35° to the west, towards Mabel Lake.

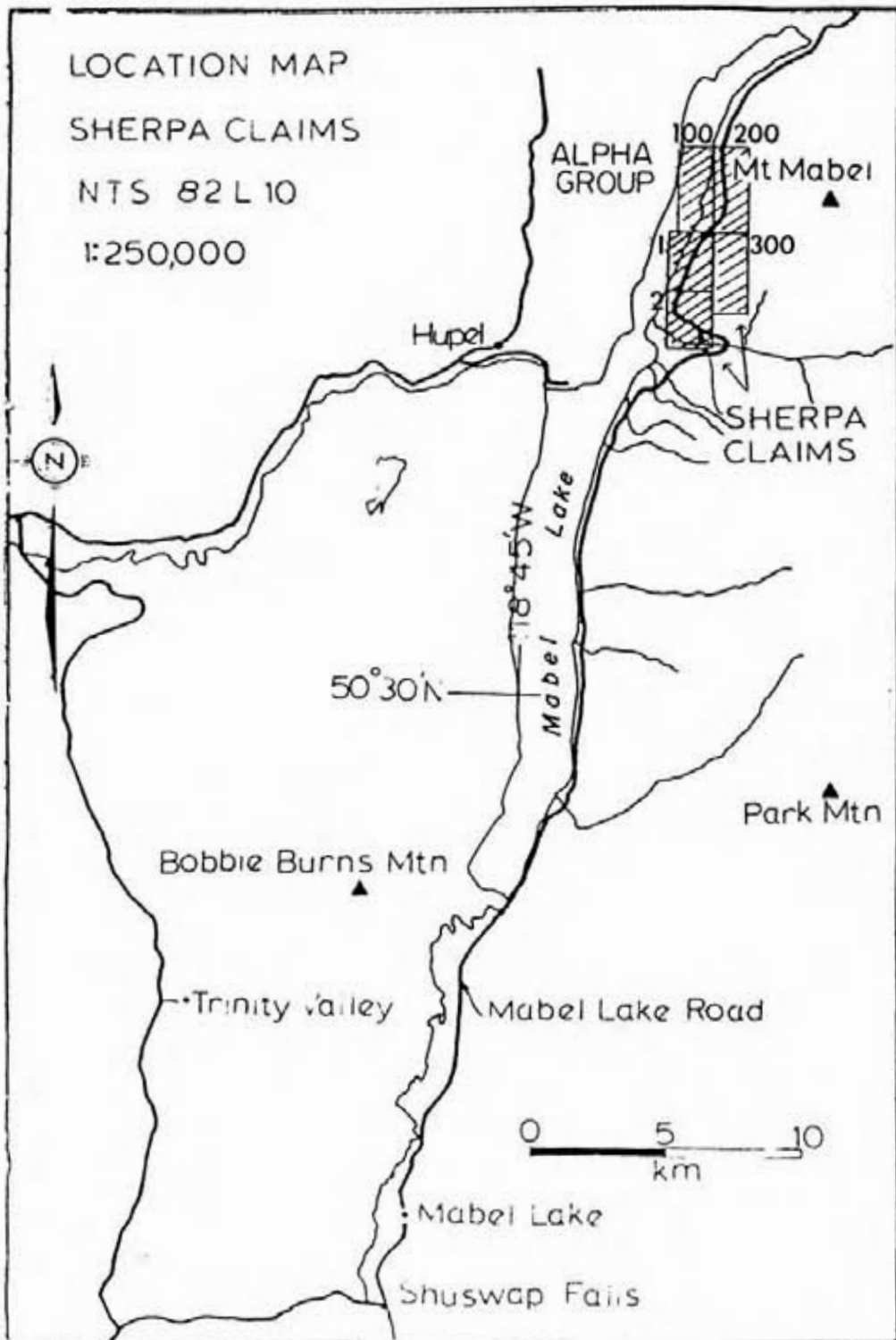
4. CLAIM INFORMATION

The Sherpa 1 claim was recorded by John Leask, Apt. 402-4200 Mayberry Street, Burnaby, B.C. It has been optioned by Noranda Exploration Company, Limited (no personal liability).

<u>Claim Name</u>	<u>Record Number</u>	<u>Record Date</u>
Sherpa 1	1304	November 4, 1982

5. DRILLING

Mabel Lake DDH's #6 and 7, encountered 22.18 m and 17.11 m of mineralization respectively. The mineralization encountered consisted of blebs of pyrite and pyrrhotite in amounts up to 40%, sphalerite in disseminations and blebs in amounts up to 10%, and galena in amounts up to 1%. The highest assay value for lead was 0.18%, the highest for silver was 4.6 gmt



LOCATION MAP

5.5.2

Rebar D.D.H. #7
Dip -75° Azimuth 315°

L.5300N/5475N
Depth 240.85m

Soils along L.5300N yielded maximum values of 3600 ppm zinc and 760 ppm lead, at station 5300N/5400E. There were three conductive zones outlined along L.5300N. The point of projection of the uppermost zone lies between stations 5300N/5373E and 5300N/5399E, and the remaining two conductors have axes which project to 5300N/5350E and 5300N/5300E. The calculated dip of these conductors was 28° grid-east. The estimated depth of interception for these conductors was at 87.5m, 142.5m, and 193m. The uppermost conductor was intercepted at 103.71m downhole. It was caused by the mineralized zone consisting of two distinct intervals, the uppermost of which extended from 103.71 to 109.17m, while the lowermost extended from 116.42m to 120.82m. The middle conductor was a graphitic gneiss in a fault zone extending from 127.18m to 136.48. The lowest conductor was caused by another graphitic gneiss with minor interbands of marble. It was intersected from 173.98m to 192.05m and was fault bounded at its lower contact. The fault zone extended from 189.14m to 199.39m.

The best corrected values of zinc were in the upper mineralized zone and included 1.07% zinc over 5.46m from 103.71m to 109.17m within which was a richer interval of 2.20% zinc over 1.26m from 107.91m to 119.71m. The lower mineralized section has a corrected grade of 0.46% over 4.36m. Values for lead, copper, silver, and gold were insignificant with maximum grades of 0.82%; 0.01%; 4.5 grams/tonne; and 0.41 grams/tonne, respectively.

5.5.3 Summary

Zinc assays are fairly constant in diamond drill holes #5 and #6, and drop slightly in diamond drillhole #7. More significant is the fact that hole #5 intercepted one mineralized horizon, while holes #6 and #7 intercepted two, and that the combined widths of both of the mineralized horizons in either hole #6 or hole #7 were thinner than the single mineralized interval in hole #5. That is, the total thickness of mineralization widened progressively from hole #7 to hole #5. The mineralized intervals measure 33.03m in hole #5, 22.18m in hole #6, and 16.08m in hole #7. Adjusted to true width intersections they measure 25.30m in hole #5, 20.10m in hole #6, and 16.08m in hole #7.

The reason that two mineralized intervals were intersected in hole #6 and hole #7 as opposed to the wider single mineralized interval in hole #5, was that hole #5 was drilled down the nose of a mineralized fold. While holes #6 and #7 were drilled behind the fold nose and progressively further down dip from it. That is, holes #6 and #7 were drilled in the limbs of the fold. This is confirmed by geological mapping which revealed that the dips across the mineralized outcrop, from grid-east to grid-west, changed from a gentle southeasterly dip to a steep northwesterly dip, and back to a gently southeasterly dip. This forms a mesoscopic recumbant antiform. The trend and plunge of the fold were measured at outcrop to be around $210^{\circ}/10^{\circ}$, which correlates well with the calculated trend and plunge of $196^{\circ}/11^{\circ}$.

The trend was calculated by taking the location of the mineralized fold

nose and extrapolating a line back to the collar of drill hole #5. The plunge was calculated by using the horizontal distance, between the mineralized outcrop and drill hole #5, and the relative vertical distance between the mineralized outcrop and the mineralized intersection in hole #5.

6. RECOMMENDATIONS

Another drill hole is warranted to test the down plunge extension of the mineralization in Rebar D.D.H. #5. This hole should be located at station 5000N/5575E, which is about 120m along an azimuth of 196° from Rebar D.D.H. #5. Using a plunge of 11.46° and a topographic slope of 32° the intercept depth should be around 151m for a vertical hole.

This proposed drill hole would be spotted upon the basis of structural information in interpreting the location of the fold nose, because both the geophysical and geochemical information drops rapidly in the down plunge direction, due to burial of the conductor caused by the fold nose trending and plunging into the hillside.

APPENDIX I
STATEMENT OF COSTS

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

DATE MARCH 1985

PROJECT - Sherpa 1 & 2 (Alpha Group)
TYPE OF REPORT Drilling

a) Wages:

No. of Days -	40 mandays	
Rate per Day -	\$101.38	
Dates From -	May - June 1984	
Total Wages	40 X \$101.38	\$4,055.30

b) Food and Accommodation:

No. of Days -	40	
Rate per Day -	\$55.17	
Dates From -	May - June 1984	
Total Cost -	40 X \$55.17	\$2,206.93

c) Transportation:

No. of Days -	40	
Rate per Day -	\$11.10	
Dates From -	May - June 1984	
Total cost	40 X \$11.10	\$ 443.94

d) Analysis

e) Cost of Preparation of Report

Author	200.00
Drafting	200.00
Typing	200.00

f) Other:

Contractor	\$26,792.00
Field Supplies	<u>754.70</u>

Total Cost \$34,852.87

UNIT COSTS

Unit Costs for Drilling

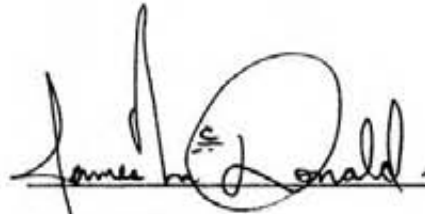
No. of Days -	40	
No. of Units -	345.73 Meters	
Unit Costs -	100.81 / Meter	
Total Cost -	345.73 X 100.81	<u>\$34,852.87</u>

APPENDIX II
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, James McDonald of the City of Vancouver, British Columbia, do certify that:

1. I am a graduate of the University of Alberta with a Bachelor of Science in Geology.
2. I have been steadily employed by Noranda Exploration Company, Limited since May, 1983.

A handwritten signature in black ink, appearing to read 'James McDonald', written over a horizontal line.

James McDonald
Geologist
Noranda Exploration
Company, Limited
(No Personal Liability)

NORANDA EXPLORATION COMPANY LTD.

Date Colored June 10/84		Date Completed		Core Size NQ		DIP TESTS				PROPERTY		PROJECT No. 21		N.T.S. No. 82L10	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 8	
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip	
Dep. 1		Length		Bearing 315°						Dep.		Length		Bearing	
From	To	Recovery	Description		Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
0	2.43m		CASING												
2.43	4.96m	2.43 to 7.32m 73%	Lst. (calcite Marble) White, recrystallized Coarse to medium grained marble Minor phlogopite Minor Fe stains and very minor chlorite		Blocky C.A. @ 3.5m ≈ 62°	≈ 1%									
			3.90 to 4.40m Peg. Dyke, coarse grained. Qtz., Fldspr., Muscovite. Minor clay alteration.												
4.96	11.72m	7.32 to 10.37m 94%	Lst. (calcite marble) White, recrystallized coarse grained. Very minor phlogopite. Also minor Fe stained carbonate stringers throughout		Massive to Blocky C.A. @ 7.00m ≈ 80°										
					Carb. stringers @ 10° to C.A.										
11.72	19.05m	10.37 to 13.41m 95%	Lst. White, recrystallized medium to coarse grained with B+ and phlogopite showing bedding and recumbent folding.		Block to rubbly C.A. @ ≈ 11m 0°, 60°, and 80° mesoscopic										
		13.41 to 16.46m 92%	15.40 to 17.68 Two peg dykes up to .50m wide. Coarse ground Qtz., Feldspar (Green), Muscovite and Biotite.		Recumbent folding. C.A. @ 19m 75°										
19.05	47.59m	16.46 to 19.51m 99%	Lst. White, recrystallized. coarse to medium grained occasionally with Biotite and Phlogopite		Massive to Blocky										

DRILL LOG - 81

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No. 21		N.T.S. No. 82110		
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES						
Lot.		Elev.		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		
Dep.		Length		Bearing						Dep.		Length		Bearing			
From	To	Recovery	Description			Structure			% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
	19.51 to 22.56m	94%	SAME AS ABOVE Also minor occurrence of inter laminations of Px (Calc-Silicate - Gn) up to \approx 2 cm. wide			23.16m to 23.51m Mesoscopic recumbent folding C.A. 0°65', 75'											
	22.56 to 25.61m	99%	35.15 m to 35.39m (Healed) Bx in Lt. with minor Py and Po \approx 6 to 8% in stringer			Minor fractures throughout at 0° to 10° to C.A.											
	25.61 to 26.66m	94%				25.55m \approx 55											
						35.20m 65											
						35.45m 85											
	26.61 to 31.71m	101%															
	31.71 to 34.76m	94%															
	34.76 to 37.80m	98%															
	37.80 to 40.85m	97%															
	40.85 to 43.90m	100%				43.24 to 45.73 Rubbly to Blocky											

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No. 21		N.T.S. No. 82L10			
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES							
Lot.		Elev.		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip			
Dep.		Length		Bearing						Dep.		Length		Bearing		D.D.B. #6/6/84		
From	To	Recovery	Description				Structure			% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
		43.90 to 45.73 89%					A ^d											
		34.73 to 48.78 100%	46.10 to 47.0m Fracture Zone				Fractures at 0° to 15° to C.A.											
47.59	49.68	48.78 to 51.83 92%	Calc-Silicate-Gn and Garnetiferous Qtz -(Fld).Bt-Gn Calc-Silicate light green medium grained Qtz. Fld, Pyroxene, Bt. Gr-Qtz-Fld-Bt-Gn Medium grained Qtz, Fld and Bt				Blocky C.A. @ 48.48m 25° 48.58m 65° 49.60m 55°											
		51.83 to 53.35 110%	with coarse to very coarse grained porphyroblasts of rose pink garnets															
49.68	60	53.35 to 55.18 87%	Ist same as before with minor interbands, up to 41 cm wide, of Calc-Silicate-Gn				Blocky Fractures at ≈ 10° to C.A.											
		55.18 to 58.23 99%	54.15 to 54.35 Peg sill showing strain shadows at 60° to C.A.				Strain shadows 60° to C.A. C.A. @ 57m 55°											
60m	67.48	58.23 to 61.28 102%	Calc-Silicate-Gn light grey, medium grained, with interbands of Qtz-Fld-Bt-Gn, and Ist.				58.05m 70° Blocky.											
		61.28 to 64.33 101%					Mesoscopic Recumbent folding through- out C.A. @ 60.2m 60° 60.9m 70° 63.3 90°											

DRILL LOG - 81

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No. 21		N.T.S. No. 82L10			
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 8 of 13				
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip		HOLE No. Mabel L.		
Dep.		Length		Bearing						Dep.		Length		Bearing		D. D. N. #7/6/84		
From	To	Recovery	Description			Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
136.48	147.31	136.45 to 38.41m	Limestone			134.90m	70°											
		86%	White, coarse grained, calcite. Minor occurrence of fine grained pyroxenes. 136.48 - 138.81 minor interbands of Gp-Otz-Fld-Ga			Recumbently folded throughout												
		138.41 to 141.40m	144.10 → 144.91 Sub-unit of gp. Qtzite, white, medium grained. Minor chlorite alteration			140.01m	70°											
		87%																
147.3	168.05	141.40 to 144.51m	Limestone and Calc-silicate Gs interbands. White to lt. grey, med. to coarse grained. Pink phlogopite mica up to 2%. Some chlorite			143.74m	60°											
		99%																
		144.51 to 147.50m	149.24 → 150.66 Pegmatite Dyke			147.31m	70°											
		95%	Coarse grained, rubbly. K-Feldspar, biotite. Iron stained.															
		147.56 to 150.61m	153.66m to 177.74m Fault Zone															
		84%	Highly fractured slicks indicate dip slip, strike and oblique movement. Abundant chlorite alteration. Fe stained along fractures 35°, 45°, 10° to axis. Minor normal movement along fracture. Shows about 1cm of displacement at 176.80m			152.31m	60°											
		150.61 to 153.66m																
		14%																
		153.66 to 155.18m				159.86m	65°											
		95%																
		155.18 to 156.40m				155.32m	60°											
		63%																

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No. 82L10			
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES							
Lot.		Elev.		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip			
Dep.		Length		Bearing						Dep.		Length		Bearing		HOLE No. Mabel L. D.D.H. #7/6/84		
From	To	Recovery	Description				Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
		156.40 To 157.01 79%																
		157.01 To 157.32 116%																
		157.32 To 159.76 75%					158.06m 80°											
		159.76 To 160.67 98%																
		160.67 To 161.58 95%																
		161.58 To 163.72 82%					161.88m 70											
		163.72 To 165.84 81%																
		165.84 To 167.68 77%																

DRILL LOG - #1

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No. 82110		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 10 of			
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip		HOLE No Label L.	
Dep.		Length		Bearing						Dep.		Length		Bearing		D.D.H. #7/6/84	
From metres	To metres	Recovery	Description			Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
168.05	173.98	167.68 to 169.82 116%	Limestone (calcite marble) White, coarse grained calcite with minor biotite and/or phlogopite			Blocky to Rubbly											
173.98	192.05	169.82 to 171.40 70%	Sp Qtz-Fld(Bt)-Gn with minor interbands of limestone. Minor quartzite band at 174.08 (± 20cm wide) Also thin pegmatite dykes throughout			Blocky to Rubbly. Recumbent, folding											
		171.40 to 174.08 100%				C.A. @ 168m 25° 168.5m 70° 175.92m 75° 176.43 80°											
		174.08 to 174.70 97%															
		174.70 to 175.61 25%															
		175.61 to 177.13 99%															
		177.13 to 177.74 82%															
		177.74 to 180.79 85%															

DRILL LOG - #1

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No. 82L10		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1A of		
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip		
Dep.		Length		Bearing						Dep.		Length		Bearing		
From metres	To metres	Recovery	Description			Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
		180.79 to 183.84														
		97%														
		183.84 to 186.89				C.A. @										
		98%				186.89m 80°										
						189.90m 0°										
						190.30m 55°										
		186.89 to 189.75	189.14 to 199.39 Fault Zone													
		72%	Cuts through Graphitic Qtz-Fld-Gn, Quartzite, and limestone. Rubbly through with numerous slicken-slides showing lateral, oblique and dip-slip movement. (predominantly dip-slip movement). Slicks are along fractures. Fractures to C.A. are 0° to 10°, 20° to 25°, 40° to 45°, 60° and 80°; predominately 40° to 45° and 60° to C.A.													
		189.75 to 190.85	190.85m to 191.98m Quartz augen gneiss													
		175%	graphitic, minor chlorite alteration. Some disseminated pyrite ± 2 to 3%. Quartz augens up to 4cm long and 2.5 cm wide. Also, slicks along fractures. This interval probably indicates a mylonite.													
		190.85 to 191.46				C.A. @										
		31%				191.46 60° to 65°										
		191.46 to 192.38														
		97%														
192.05	194.46	192.38 to 193.75	Quartzite White, medium grained			Blocky										
		100%	graphitic													
						C.A. @										
						192.58m 60°										
194.46	198.93	193.75 to 198.12	Limestone Coarse grained micaceous, biotite and phlogopite													
		94%														
						C.A. @										
						194.80m 80°										
						196.0 60°										
						196.8 80°										

DRILL LOG - 81

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.		
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES						
Lot.		Elev.		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		
Dep.		Length		Bearing						Dep.		Length		Bearing		D. D. H. #7/6/84	
From metres	To metres	Recovery	Description			Structure			% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
		198.17 to 199.39 100%	196.95m to 198.78m Contact aureole with porphyritic diorite or monzo-diorite. Fractured with minor carbonate infilling and chlorite alteration.														
			198.17 to 198.93 Graphitic gneiss														
198.78	211.17	199.39 to 202.44 94%	Diorite to Monzonite Sill? Porphyritic near contacts with feldspar phenocrysts forming 15% of the rock. In the middle of the unit the texture is seriate with the phenocrysts making up about 65% of the rock.			Blocky to Massive Lowes contact to C.A. 85°											
		202.44 to 208.84 95%															
			- Sillimanite -														
211.17	213.75	208.84 to 210.67 80%	Interbands of Garnetiferous - Biotite - Quartz - Feldspar - Gneiss, and Calc-Silicate-Gneiss with Quartz veins, lenses and some augen throughout. Sillimanite occurs along foliation planes with biotite			Blocky C.A. @ 212m ~ 80° 212.9 55° 213.5 75°											
		210.67 to 213.41 84%				Recumbently folded.											
213.75	218.45	213.41 to 216.46 96%	Pegmatite (Sill?) White, coarse grained feldspar (Perthite) and quartz (mercuritic texture) with medium grained pink garnets														
218.45	240.85	216.46 to 221.04 95%	Same as at 211.17m														

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No. 82 L10		
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES					
Lot.	Elev.	Dip					RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip		HOLE No. Mabel L.	
Dep.	Length	Bearing								Dep.	Length	Bearing		D.D.R. #7/6/84		
From	To	Recovery	Description			Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
	221.04 to 222.87	90%	222.64 to 229.27 Fault Zone Rubbly and fractured throughout with slicks along fractures indicating dip slip and lateral slip movement.			Rubbly to Blocky C.A. @										
	222.87 to 224.09	66%	Also mesoscopic Irregular folding indicating thrusting movement.			222 80° 226 50° 228 75° 229 0° 230 75°										
	224.09 to 229.27	82%				235 0° 237 85° 240 60° 240.80 70°										
	229.27 to 232.82															
	232.32 to 235.37	98%														
	235.37 to 237.20	95%														
	237.20 to 240.85	90%	240.85m													
			END OF HOLE													

DRILL LOG - 81

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.		
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 4 of 8		
Lot.	Elev.	Dip	Length	Bearing	RECORDED		CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip	Length	Bearing	HOLE No. Label L.		
From	To	Recovery	Description			Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
												Cu %	Pb %	Zn %	Ag		
		64.33 to 67.38	Same as above			63.60m	0°										
		97%				64.75m	70°										
		97%				67.00m	45°										
67.48	73.68	67.38 to 70.42	Interbands of 1st and micaceous 1st. Mica is primarily muscovite with some biotite, and it is Fe stained. The 1st is coarse to medium grained. Mica up to 40%			Blocky											
		100%				C.A. @ 67.5m	60°										
		70.43 to 71.95	71.75 to 73.17M Fracture zone with minor Fe stains			Rubby											
		94%				Fractures at 0° to 10° and 45° to C.A.											
		71.95 to 73.17	Py, Po ≈ 1% to 4%														
		74%	ZnS << 1% to 0%														
		74%	P6S << 1% to 9%														
73.68	73.95	73.17 to 75.30	Quartzite Sample 4789J Py, Po 4 to 5% Med. Gr. Sphl ≈ 1% Fm to Med Gr. White medium grained			Blocky											
		94%				C.A. 40°											
		75.30 to 77.44	1st same as at 69.48m Mica = 5% of 1st Minor Py ≈ 1% overall Sphl << 1%			Blocky											
		100%				C.A. ≈ 70°											
76.76	85.40	77.44 to 80.49	Quartzite White medium to coarse grained and mineralized. Chlorite alteration Carbonaceous throughout and veinlets.														
		100%															
		80.49 to 83.54	Sulphides are medium grained Chlorite is retrograde metamorphism from Arsenolite - actinolite, which occur with calcite inter-														
		100%															

DRILL LOG - 81

stitionally the same way the sulfides do.

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Colliard		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No. 82L10						
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 5 of 8					
Lot.	Elev.	Dip					RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip	HOLE No. Mabel L.						
Dep.	Length	Bearing								Dep.	Length	Bearing	D. D. H. #6/6/84							
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS											
									Cu (%)	Pb (%)	Zn (%)	As/Ag GHT								
76.76	78.25		Same as above	Sample 4790 J	C.A. 45° to 50°	6 - 8														
			Py, Po up to 15%	≈ 6 to 8% overall																
			ZnS up to 8%	≈ 1 to 2% overall																
			PbS up to 1%	< 1% overall; + Cpy																
			Also minor chlorite alteration. ≈ 2 to 4%																	
			Chlorite throughout																	
			Quartzite is carbonaceous																	
78.26	79.76		Same as above	Sample 4791 J	C.A. 75° - 80°	3 - 5														
			Py, Po up to 8%	3 to 4% overall	and															
			ZnS up to 2%	< 1% overall	C.A. 0° - 10°															
			PbS < 1%		Recumbent															
			+ Cpy																	
			also calcite, tremolite-actinolite, and chlorite																	
79.76	81.26		Same as above.	Sample 4792 J	C.A. @	6-10														
			Py, Po up to 12%	≈ 6 to 8% overall	80.40											70°				
			ZnS up to 5%	≈ 1 to 2% overall	80.60											15°				
			PbS up to 1%	< 1% overall	81.10											60°				
			+ Cpy																	
81.26	82.76		Same as above	Sample 4793 J	C.A. @															
			Py, Po up to 25%	≈ 8 to 10% overall	81.50											70°				
			ZnS up to 5%	≈ 1 to 2% overall	82.00											35°				
			PbS < 1%																	
			+ Cpy																	

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.					
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES						82110			
Lat.		Elev.		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		Sheet 6 of 8			
Dep.		Length		Bearing						Dep.		Length		Bearing		HOLE No. Habel L. L.D.D. #6/6/84				
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				Au/Ag							
									Cu I	Pb I	Zn I	GMT								
82.76	84.34	83.49	Same as above	Sample 4794 J	C.A. @															
		to	Py, Po up to 5%	≈ 3 to 4% overall	83.50 ≈ 0°															
		86.59	ZnS up to 8%	≈ 1 to <1% overall	83.70 ≈ 10°															
		94%	PbS <1%		84.30 ≈ 50°							0.01	0.07	0.39				1.4		
			± CPY																	
84.34	85.40		Same as above	Sample 4795 J																
			Py, Po ≈ 12 to 16% overall																	
			ZnS ≈ 2 to .5%																	
			PbS ≈ <1%																	
			± CPY																	
85.40	86.26		Limestone	White, recrystallized,	C.A. @															
			coarse grained calcite with sulphide mineralization		85.40 ≈ 70°															
85.40	86.26		Same as above	Sample 4796 J																
			Py, Po up to 60 - 65%	≈ 25 to 35% overall																
			ZnS up to 10%	≈ 3% overall																
			PbS <1%																	
			± Cpy		Blocky															
					C.A. 60°															
86.26	87.52		Same as above	Little or no																
			Sulfide mineralization																	

DRILL LOG - #1

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No. 21		N.T.S. No. 82110		
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES					
Lat.		Elev.		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip	
Dep.		Length		Bearing						Dep.		Length		Bearing		
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				Au/Ag			
									Cu (Z)	Pb (Z)	Zn (Z)	GNT				
87.52	92.57	89.63 to 92.68 89%	Gp-Qtz-Fld-Gn Gp ≈ 10% and phlogopite? ≈ 5%	Medium to fine grained												
		92.68 to 95.73 101%	89.44 to 89.75m and very minor carbonate stringers. Little to no sulfides	Fracture with Fe stain	Blocky C.A. 65°											
92.57	95.49		Lat. White, coarse grained	Massive												
				C.A. 75°												
			94.60 to 94.68 sulfides Py ≈ 10% Zn ≈ <1%	Brecciated lat with minor												
95.49	95.86		Quartzite Py, Po 10 to 15% ZnS 3 to 5% PbS <1% + CPy	Sample 4797 J											0.07	
																1/4

NOVADESA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No. 21		N.T.S. No. 82110	
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES					
							RECORDED	CORRECTED	RECORDED	CORRECTED						
Lot.	Elev.	Dip								Lot.	Elev.	Dip		HOLE No. Mabel L.		
Dep.	Length	Bearing								Dep.	Length	Bearing		D.D.R. #6/6/84		
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
95.49	95.86	95.73 to 98.78m 95%	Quartzite with interstitial Py, Po calcite throughout. White, medium grained <math>\approx</math> <math><1X</math> and													
95.86	101.58	98.78 to 101.83 78%	Quartzite disseminated Py, Po Py and Po along fractures Same as above with <math><1X</math> and calcite. Also minor													
		minor	199.68 to 2.15 Fractured Qtzite with chlorite alteration and Py, Po in-filling fractures. Minor Fe stains. Also Fe stained fractures from 98m to 98.53m slicken-slides.													
101.58	102.80	101.83 to 104.88 97%	Qtz-Fld-Bt-Gn Medium grained													
102.80	104.88		Limestone medium grained, calcite micaceous (phlogopite of Biotite) Minor Py, Po disseminations <math><1X</math>													
	104.88		END OF HOLE													

NORANDA EXPLORATION COMPANY LTD.

Date Colored JUNE 13, 1984		Date Completed JUNE 22, 1984		Core Size NQ		DIP TESTS				PROPERTY MABEL LAKE		PROJECT No. 21		N.T.S. No. 82L10	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 13		
Lat.	Elev.	Dip	75°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip	HOLE No. Mabel I.			
Dep.	Length	Bearing	315°					Dep.	Length	Bearing	D. D. R#7/6/84				
From (metres)	To (metres)	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
0	3.05		CASING												
3.05	4.65	3.05 to 4.57 97%	Qtz-Fld-Bt-Gp medium grained. Biotite Salt and pepper texture. \approx 15 to 20% of rock. This unit is actually a granitic gneiss probably formed by the pegmatites.	Blocky C.A. 70°											
		4.57 to 7.62 97%	4.25 to 4.57 Pegmatite sill. Coarse grained Qtz, Fld and Bt. Minor saussuritization	Fractures to C.A. @ 0° and 20°											
4.65	7.23	7.62 to 9.15 94%	Calc-Silicate-Gn Medium grained, grey-green. Calcite, phlogopite, biotite, pyroxene, (d.p.s.) minor quartz and feldspar Very minor chlorite alteration	C.A. @ 6.25m 70° Recumbently folded											
		9.15 to 12.20	Limestone (calcite marble) Coarse grained, white with numerous interlamination of Biotite-phlogopite and Calc-Silicate Gn from 2 cm to 25cm wide	7.55m 50° 7.65m 0° to 10° 8.10m 80° Recumbently											
		12.20 to 15.24 94%	22.88 m to 23.15m Peg dyke of sill? Fractures sometimes have minor Fe stains and minor chlorite	Folded through-out. C.A. @ 12M 75° 16.60 20°											
		15.24 to 18.29 108%		16.75 80° 21.30 65° 24.39 80°											
		18.29 to 21.34 97%		25.90 80° 32.00 70° Fractures to C.A. 0° to 10°, 20°, 35° and 60°											

DRILL LOG - 81

24.39
102%

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
				NQ		DEPTH		BEARING		ANGLE		MABEL LAKE		21		82110	
FIELD CO-ORDINATES								RECORDED		CORRECTED		SURVEYED CO-ORDINATES					
Lot.		Elev.		Dip								Lot.		Elev.		Dip	
				75°												HOLE No. Mabel L.	
Dep.		Length		Bearing		315°						Dep.		Length		Bearing	
																D.D.H. #7/6/84	
From (metres)	To (metre)	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS								
		24.39 to 27.44															
		99%															
		27.44 to 30.49															
		98%															
32.16	74.91	30.49 to 33.54	Limestone (Calcite Marble) Coarse grained, white, with infrequent interlamination of phlogopite or biotite and calc-silicate-gs up to 20cm wide, usually about 1cm or less	Blocky to massive C.A. @													
		33.54 to 36.59		36.00m 80° to 90° 40.50m 75° 44.20m 80° 48.50m 60°													
		85%		Massive													
		36.59 to 39.63															
		97%															
		39.63 to 42.68		Blocky Fractures to C.A. @ 0° 20° and 50°													
		108%															
		42.68 to 45.73															
		85%															
		45.73 to 46.95	49.82 to 50.30m Pegmatite sill, Pink, coarse grained, K-spar, plag, Bt	Rubbly													
		54%															
DRILL LOG - #1		46.95 to 49.39		Blocky													
		91%															

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Collared		Date Completed		Core Size NQ		DIP TESTS				PROPERTY		PROJECT No.		M.T.S. No. 82L10	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 13		
Lat.	Elev.	Dip	75°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip	HOLE No. Mabel L.			
Dep.	Length	Bearing	315°					Dep.	Length	Bearing	D. D. B. #7/6/84				
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
		49.39 to 52.44m 99%				Blocky									
		52.44 to 54.88m 84%				Blocky to Rubbly									
		54.88 to 55.79m 87%	55.60 to 56.45m			Pegmatite Dyke Rubbly									
		55.79 to 58.54 82%				Blocky to Rubbly									
		58.54 to 61.59 96%				Blocky C.A. @ 59.20m 75°									
		61.59 to 64.63 97%				Blocky to Massive									
		64.63 to 67.68 96%													
		67.68 to 70.73 39%													
		Mis-latch													

DRILL LOG - 81

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size NQ		DIP TESTS				PROPERTY MABEL LAKE		PROJECT No. 21		N.T.S. No. 82L10		
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 4 of 13			
Lot.	Elev.	Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip	HOLE No. Mabel L				
Dep.	Length	Bearing						Dep.	Length	Bearing	D. D. R. #7/6/84					
From	To	Recovery	Description				Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
		70.73 to 73.78m 96%														
74.91	77.84	73.78 to 76.83m	Orz-Fld-Bt-Gn Salt and pepper texture, medium grained with a predominance of feldspar and biotite. Also has minor coarse grained garnets. <i>plagioclase</i>				Blocky C.A. @ 76.90 80°									
77.85	82.70	76.83 to 79.88m 99%	Limestone (Calcite Marble) White, coarse grained calcite				Blocky C.A. @ 82.80m 40°									
		79.88 to 82.93m 100%	78.69m to 79.88m Pegmatite dyke White to green-white, coarse grained perthite with minor mica.													
82.70	89.69	82.93 to 85.98m 99%	Garnetiferous Biotite Gneiss Coarse grained with very coarse medium pink garnets and quartz, quartz-feldspar lenses throughout. Garnets and lenses show rotation. i.e. some long axis are orientated perpendicular, or oblique to foliation.				Blocky C.A. @ 83.50m 65° 85.90m 55° 89.60m 75°									
		89.02 to 92.07m 99%	86.50 to 89.69 Gradational Contact with interbands of Garnetiferous Bt-Gn, Calc-Silicate-Gn, and Limestone				91.24m 70°									
89.69	97.52	92.07 to 95.12m 96%	Limestone (Calcite Marble) White, coarse grained calcite, with minor interlamination of biotite and/or pyroxene rich layers (Calc-silicate-gn) up to 30cm wide				92.55m 55°									

DRILL LOG - 81

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 5 of 13			
Lot.		Elev.		Dip		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		HOLE No. Mabel L. D. D. R. #7/6/84	
Dep.		Length		Bearing						Dep.		Length		Bearing			
From	To	Recovery	Description			Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			Au/Ag		
												Cu (%)	Pb (%)	Zn (%)	GMT		
97.52	99.71	95.12 to 98.17m	Calc-Silicate - Gn	Medium to coarse grained, light green calcite, pyroxene, quartz and biotite.	95.77m	60°											
		97T	Calcite 40 to 65%, pyroxene 35 to 45%, quartz 5 to 25%. Biotite < 2%	96.79m	45°												
		98.17 to 101.22m	Limestone (calcite marble)	White, coarse grained calcite with Py, Po disseminated throughout. Also Phlogopite and Biotite disseminated throughout.	99.73m	60°						Py, Po 1% to 1%					
102.77	103.71	101.22 to 107.38m	Quartzite	Re-crystallized, medium to coarse grained?, calcareous.	102.69m	0°											
		97Z	Py and Po disseminations ≈ 1% of rock	102.99m	80°												
103.71	104.99		Same as above	Sample 4798 J	108.07m	50°											
			Py, Po up to 15% overall	8 to 10%	109.13m	70°							< 0.01	0.06	2.05	0.7	
			Also some chlorite and carbonate alteration.	Recumbent folds	110.92m	60°											
			Chlorite is retrograde alteration from tremolite and biotite.		111.51m	0°											
104.99	106.62		Limestone	White, coarse grained calcite with fine to medium grained disseminations of Py, Po and ZnS. Py, Po ≈ 1% overall; ZnS < 1% overall													
106.62	107.91		Same as above	Sample 4799 J													
			Patches of mineralization														
			Py, Po up to 15% overall	≈ 3 to 5%													
			ZnS up to 3% overall	< 1%								< 0.01	0.02	0.26	0.9		
107.91	109.17	107.32 to 110.37m	Quartzite	Sample 4800 J													
			Py, Po up to 70%	45 to 60% overall													
			ZnS up to 10%	4 to 6% overall								0.01	0.01	0.82	0.07		
		98Z	PbS up to 5%	1% overall											4.5		

DRILL LOG - 81

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No. 21		N.T.S. No. 82110			
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES						Sheet of	
Lot.		Elev.		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		HOLE No. Mabel L.	
Dep.		Length		Bearing						Dep.		Length		Bearing		D. D. H. #7/6/84		
From	To	Recovery	Description			Structure			% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
109.17	110.04		Limestone	White, coarse grained			Blocky Recumbent folding											
110.04	111.65	110.37 to 113.42 91%	Gp-Qtz-Fld-Gn	Medium to fine grained. Graphite about 15 to 20% overall. Also Py, Po Disseminations < 2% to 3% overall, with little or no ZnS			Recumbent folding C.A. @ 110.90 60° 111.51 0°											
	113						Fractures with slicks indicating strike and dip slip movement at 20° and 50° to C.A.											
111.65	113		Quartzite	White, medium grained with minor chlorite and carbonate alteration. Py and Po disseminations about 2% of rock with little or no ZnS			Blocky C.A. ≈ 30°											
113	116.46	113.42 to 116.46 99%	Quartz-Fld-Bt-Gn	Fractured and brecciated. Slicken-slided. Also one thin interband of Gp-Qtz- Fld-Gn. Little or no sulfides			Fractures to C.A. 60° and 50° slicks show strike, dip, and oblique											
116.46	117.96	116.86 to 119.51 93%	Quartzite	Medium grained spotty sulfide mineralization. One thin interband of Gp-Qtz- Fld-Gn ≈ 50cm wide. Minor carbonate and chlorite alteration.														
116.46	117.96		Same as above	Sample 4751 J			Recumbent Folding											0.07
			Patches of mineralization.															0.7
			Py, Po	up to 25% 3 to 5% overall			C.A. 0°, 40°							0.01	0.02	0.56		
			ZnS	up to 4% or less overall														

117.96 119.78

Same as above

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No. 21		N.T.S. No. 82110	
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES					
Lat.		Elev.		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip	
Dep.		Length		Bearing						Dep.		Length		Bearing		
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS							
									Cu(%)	Pb(%)	Zn(%)	Ag/Ac				
117.96	118.97		Same as above Py, Po 1% or less Zns 1%													
118.97	119.78		Same as above Py, Po up to 15% ZnS 1%	Sample 4752 J 8 to 10% overall overall						0.01	0.02	0.76	0.07			
119.79	120.82	119.51 to 122.56 97%	Limestone Py, Po 10% overall ZnS 1% overall	Sample 4753 J						0.01	0.03	0.53	0.07			0.7
120.52	127.18	122.56 to 126.83 60%	Same as above calcite with little to no sulfide mineralization. Fe stains along fractures	Coarse grained white Blocky 122.96m 60												
127.18	136.48	126.83 to 128.35 91%	Gp-Qtz-Flid-Gn Gp 15% to 20 of the rock. Fractured and slickenslided throughout	Grey, medium grained. 127.29m 60 Fractures to C.A. at 0 to 10,												
		128.35 to 131.40 58%	126.33 to 138.90m Highly fractured, some with slicks. Fe stained along some Also pyrite and Gp mineralization preferentially along fractures. Some chlorite alteration	Fault zone 25, 45 and 70												
			6 quartz infilling. Slicks indicate strike slip and oblique movement.													
		131.40 to 134.45 56%	Predominantly dip slip Also fractures show minor normal displacement	132.08m 80												

REBAR DD.H. # 6

LEGEND

- Marble
- Calc-Silicate-Gn
- Qtz-Fld-Bt-Gn
- Gp-Qtz-Fld-Gn
- Gp-Qtz-Fld-Bt-Gn
- Gt-Qtz-Bt-Fld-Gn
- Bt-Fld-Gn
- Quartzite
- Pegmatite
- Diorite

Abbreviations

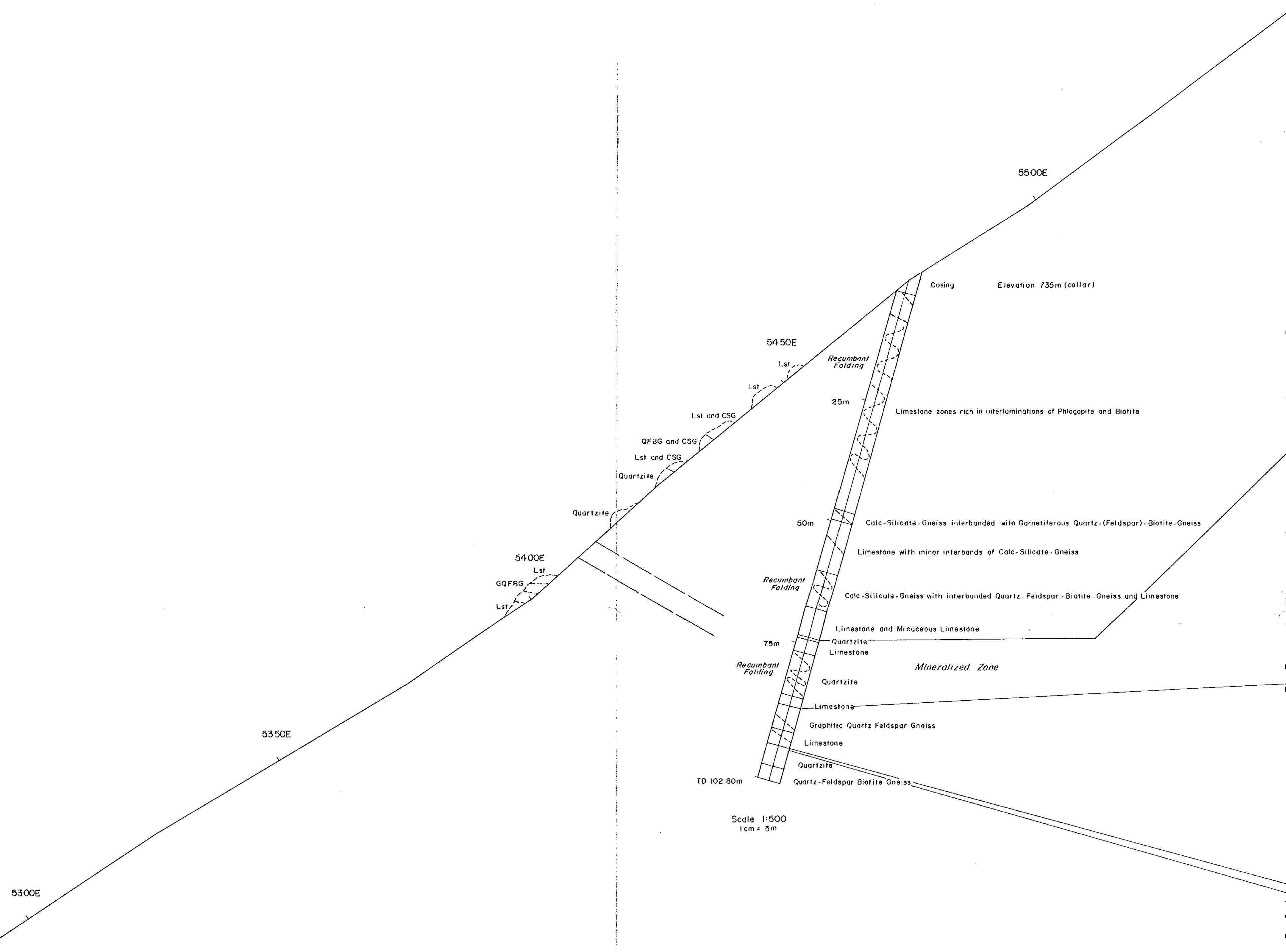
- Bt - Biotite
- Cpy - Chalcopyrite
- Fsp - Feldspar
- Gal - Galena
- Gn - Gneiss
- Gp - Graphite
- Gt - Garnet
- Py - Pyrrhotite
- Py - Pyrite

Symbols

- Lithological Contact
- Gneiss (Compositional)
- Banding relative to C.A.
- Topographic profile along grid line
- Fault

Assay Values

Sample Number	Width metres	Au g/t	Ag g/t	Cu %	Pb %	Zn %
4789 J	.27	+ .07	1.4	+ .01	.10	.30
4790 J	1.50	.07	2.1	+ .01	.07	1.10
4791 J	1.50	.07	.70	+ .01	.05	.10
4792 J	1.50	.07	3.4	.01	.09	.44
4793 J	1.50	.07	1.4	.01	.08	.61
4794 J	1.50	.07	1.4	.01	.07	.39
4795 J	1.08	.07	1.4	.01	.10	1.10
4796 J	.86	.07	4.6	.02	.18	4.26
4797 J	.37	.07	1.4	.01	.12	3.65



Elevation (m)	Sample	Assay Data
72.00n		Limestone
73.68n		Quartzite
73.95n	4789 J	Py, Po 0.5 to 1%; ZnS + 1%, + PbS
76.76n		Limestone
78.26n	4790 J	Py, Po 4 to 5%, ZnS 1%
79.76n		Quartzite
80.00n	4791 J	Py, Po 1%, ZnS + 1%
81.26n	4792 J	Py, Po up to 15%, overall 6 to 8%; ZnS up to 8%, overall 1 to 2%; PbS up to 1%, overall + 1%, + Cpy
82.76n	4793 J	Py, Po up to 8%, overall 3 to 4%; ZnS up to 2%, overall + 1%, PbS + 1%
84.34n	4794 J	Py, Po up to 12%, overall 6-8%; ZnS up to 5%, overall 1-2%; PbS 1%, + Cpy
85.40n	4795 J	Py, Po up to 25%, overall 8-10%; ZnS up to 5%, overall 1 to 2%, PbS + 1%, Cpy
86.86n	4796 J	Py, Po up to 5%, over 3 to 4%; ZnS up to 8%, overall 1% to + 1%, PbS + 1%
87.00n	4797 J	Py, Po 12 to 16%, ZnS 2 to 5%, PbS + 1%
		Limestone
		Limestone
		Quartzite
		Limestone
		Quartzite
		Quartz-Feldspar Biotite Gneiss
		Quartzite
		Quartz-Feldspar Gneiss
		Limestone
		Graphitic Quartz Feldspar Gneiss
		Quartzite
		Quartz-Feldspar Biotite Gneiss

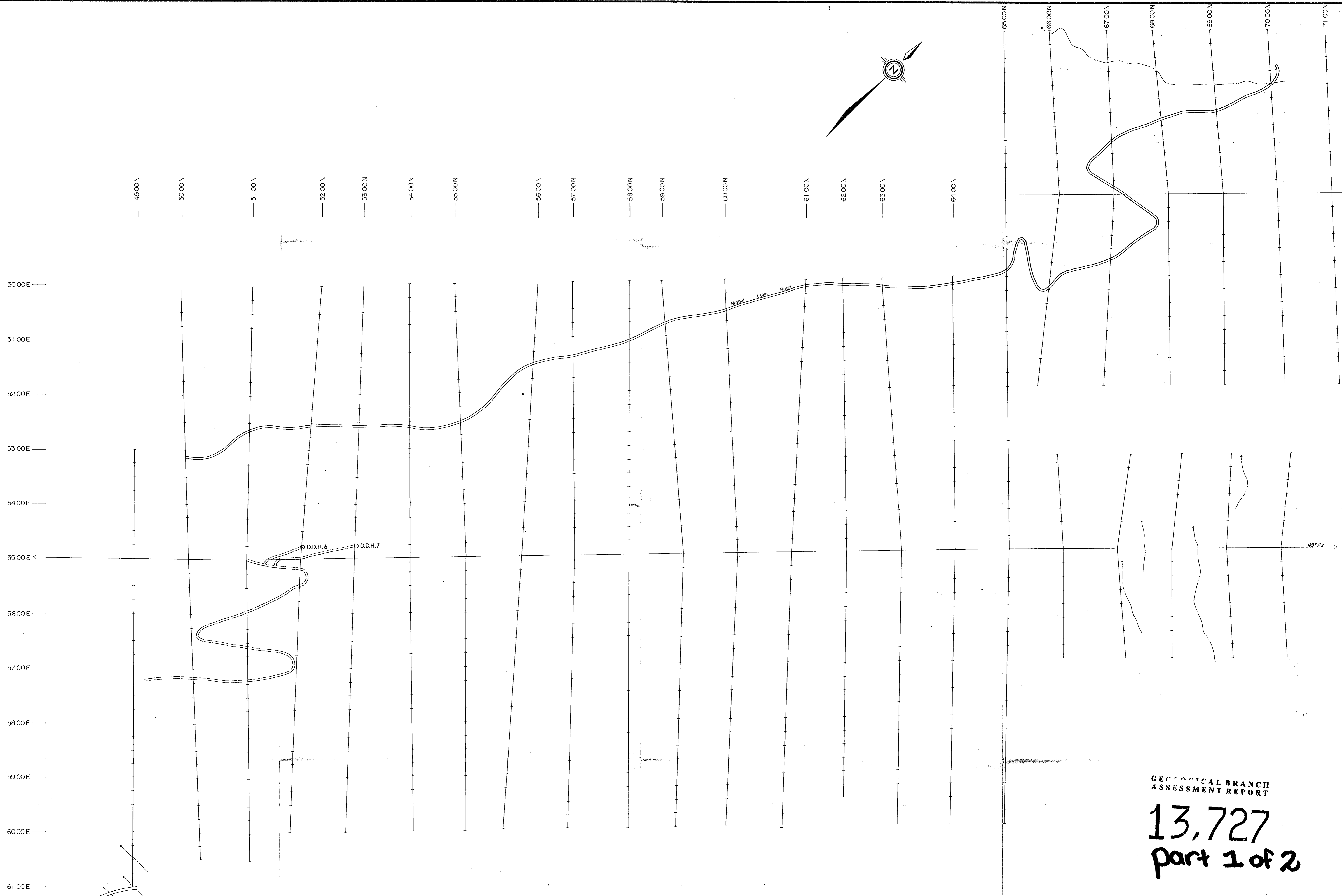
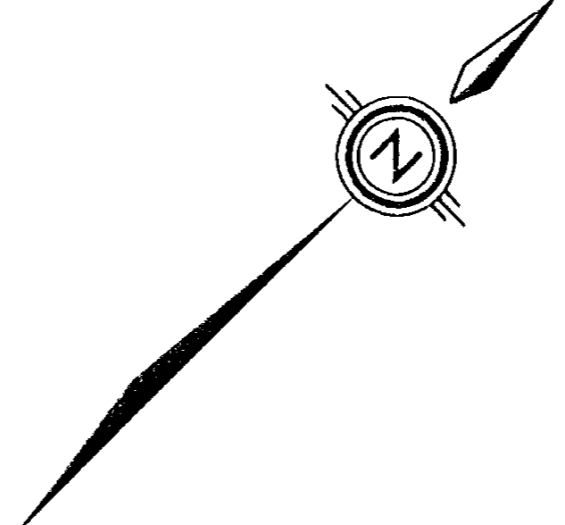
Scale 1:500
1cm = 5m

Scale 1:100
1cm = 1m

GEOLOGICAL BRANCH
ASSESSMENT REPORT

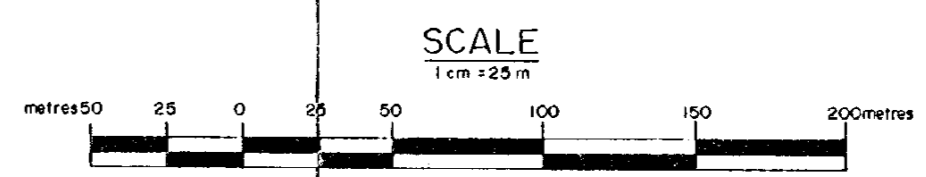
13,727
Part 1 of 2

REVISED	MABEL LAKE	
	REBAR D.D.H. # 6 L5475E 5200N	
PROJ. No. 21	SURVEY BY: J. McDonald	DATE: 84-08-04
N.T.S. B2 L10	DRAWN BY: sks/ljll	SCALE: (as indicated)
DWG. No.	NORANDA EXPLORATION	
	OFFICE: Y0658X8E	



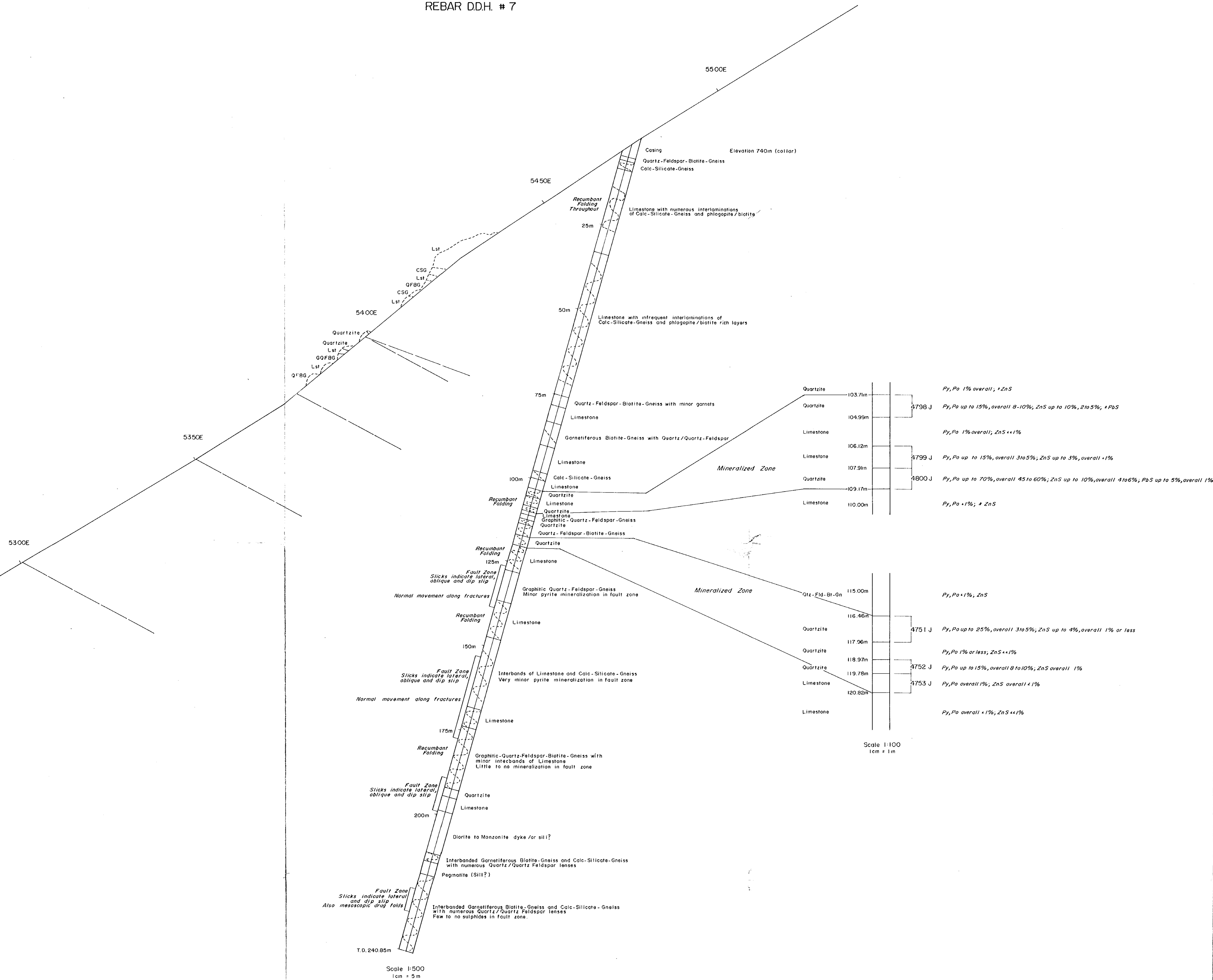
GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,727
part 1 of 2



REVISED	MABEL LAKE	
	LOCATION MAP	
	D.D.H.'s - REBAR 6&7	
PROJ. No. 21	SURVEY BY: J. McDonald	DATE: 84-08
N.T.S. 82 L 10	DRAWN BY: sks/lille	SCALE: 1:2500
DWG. No.	NORANDA EXPLORATION	
	OFFICE: YONGOUX	

REBAR DDH # 7



LEGEND

- Marble
- Calc-Silicate-Gn
- Qtz-Fld-Bt-Gn
- Gp-Qtz-Fld-Gn
- Gp-Qtz-Fld-Bt-Gn
- Gt-Qtz-Bt-Fld-Gn
- Bt-Fld-Gn
- Quartzite
- Pegmatite
- Diorite

Abbreviations

- Bt - Biotite
- Cpx - Clinopyroxene
- Fld - Feldspar
- Grt - Garnet
- Gn - Gneiss
- Gp - Graphite
- Gt - Garnet
- Py - Pyrite
- Py - Pyrite

Symbols

- Lithological Contact
- Gneissic (compositional)
- Banding relative to C.A.
- Topographic profile along grid line
- Fault

Assay Values

Sample Number	Width (m)	Au (swt)	Ag (swt)	Cu (%)	Pb (%)	Zn (%)
4798 J	1.28	.07	.07	+ .01	.08	2.05
4799 J	1.29	.14	.90	+ .01	.02	.28
4800 J	1.26	.07	4.5	.01	.82	2.20
4751 J	1.50	.07	.70	+ .01	.02	.66
4752 J	.81	.07	.70	+ .01	.02	.76
4753 J	1.03	+ .07	.7	+ .01	.03	.53

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,727
part 1 of 2

REVISED	MABEL LAKE	
	REBAR D.D.H. # 7 L5475E 5300N	
PROJ. No. 21	SURVEY BY: J. McDonald	DATE: 84-08-04
N.T.S. 82 L10	DRAWN BY: sks/little	SCALE: (As indicated)
DWG. No.	NORANDA EXPLORATION	
	OFFICE: VANCOUVER	