

85-622-14548

07/86

ASSESSMENT REPORT

DRILLING

DDH BAR 85-1

ON THE BAR 8 MINERAL CLAIM

N.T.S. 82G/5W

Lat. 49°27'N Long. 115°56'W

FILMED

FORT STEELE MINING DIVISION

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,548

Owner : Therm Exploration

Operator: Noranda Exploration Company, Limited (no personal liability)

Author : James McDonald

Date : September 12, 1985

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DRAWINGS

Drawing 1	Drill Section DDH Bar 85-1	Scale 1:1000
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1. INTRODUCTION

During 1985 diamond drill hole Bar 85-1 was initiated in order to test the Sullivan time horizon for a Sullivan type ore body. The objective of the hole was to intercept the large mineralized apron associated with such an ore body, and then follow the apron to the ore body with additional drill holes. The hole was postponed at 1,265 m (4148 ft.), an estimated 85 m (280 ft.) above the targeted Sullivan time horizon. The hole is to be extended to the target depth in the fall.

2. LOCATION AND ACCESS

Diamond drill hole Bar 85-1 is located approximately 12 km southwest of Cranbrook, B.C. on the southwestern end of the Lumberton reservoir, at approximately the following co-ordinates:

Longitude: 115°56'W

Latitude : 49°27'N

It is accessed by about 11 km of paved highway (#3) southward, 12 km of gravel road westward and northward, and 2 km of dirt road eastward to the drill site.

3. TOPOGRAPHY

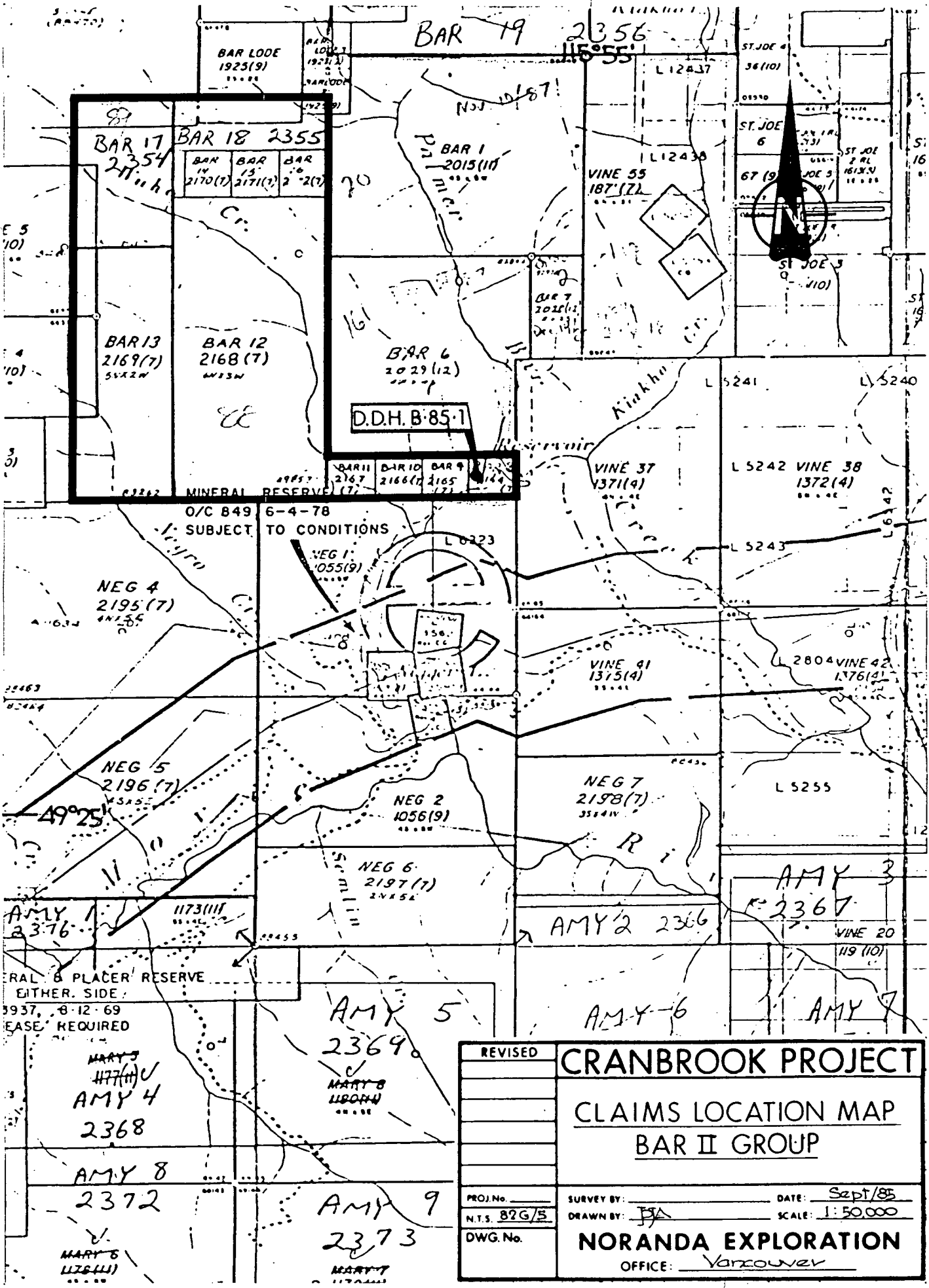
The relief on the property is variable with slopes varying from 10° to 90°. Maximum relief is about 2,100 feet. Vegetation consists primarily of second growth pine, douglas fir, spruce, and tamarack, and a good portion of the west and central portions of the property have been logged off.

4. CLAIMS INFORMATION

The Cranbrook-Bar property consists of 15 mineral claims comprising two claim groups having a total of 108 units. Claims information is as follows:

BAR GROUP

Claim Name	Units	Record Number	Record Date
Bar 1	20	2015	November 10, 1983
Bar 6	14	2028	December 14, 1983
Bar 7	2	2029	December 14, 1983
Vine 55	18	1871	July 18, 1983



REVISED	CRANBROOK PROJECT	
	CLAIMS LOCATION MAP	
	BAR II GROUP	
PROJ. No. _____	SURVEY BY: _____	DATE: <u>Sept/85</u>
N.T.S. <u>82G/5</u>	DRAWN BY: <u>JJA</u>	SCALE: <u>1:50,000</u>
DWG. No. _____	NORANDA EXPLORATION	
	OFFICE: <u>Vancouver</u>	

BAR II GROUP

<u>Claim Name</u>	<u>Units</u>	<u>Record Number</u>	<u>Record Date</u>
Bar 8	1	2164	July 3, 1984
Bar 9	1	2165	July 3, 1984
Bar 10	1	2166	July 3, 1984
Bar 11	1	2167	July 3, 1984
Bar 12	18	2168	July 3, 1984
Bar 13	10	2169	July 3, 1984
Bar 14	1	2170	July 3, 1984
Bar 15	1	2171	July 3, 1984
Bar 16	1	2172	July 3, 1984
Bar 17	6	2354	February 20, 1985
Bar 18	3	2355	February 20, 1985
Bar 19	8	2356	February 20, 1985
Bellville	Crown Grant		
Lookout	Crown Grant		

=====

5. MODELING

The initial model used in targeting the Bar 85-1 drill hole was that of a simple, uncomplex sub-basin formed by a transverse fault in a spreading ridge environment. In analagous situations in modern day basins these spreading ridges follow some linear trend and the tensional stress built up by them is periodically taken up by cross-cutting transverse faults. It is the down-faulting caused by these transverse faults that forms a sub-basin necessary for the accumulation of sulfide bodies. The Sullivan ore body is thought to sit in such a sub-basin. Comtemporaneous with these spreading ridges is the injection of sills into unconsolidated sediment. These sills supply the heat needed to drive a hydrothermal convective cell required to leach lead and zinc from surrounding sediments and concentrate them as sulfides on the sea floor, with the transverse fault acting as a heat sink for the convective cell. Under such a model there is a large, stratiform apron of sulfides flanking the orebody, as seen at the Sullivan Mine. Cominco's Vine property, a cross-cutting vein with high grade lead-zinc, may have been derived from such an apron, and diamond drill holes, drilled by Cominco, in the region of the Vine have reportedly intercepted thin layers of stratiform sulfides at the Sullivan horizon. These thin layers of sulfide are believed to be part of a large apron flanking a stratiform lead-zinc orebody. The direction of thickening of this apron would likely be northward towards the Cranbrook Fault, because it represents a transverse fault active during the Sullivan time, and would have caused down-faulting and the development of a sub-basin in which economic thickness of sulfide could accumulate.

6. DRILLING

At the time of report writing the drill hole sits at 1,265 m below the collar and is to be deepened another 150 to 200 m sometime in the fall. Only the first 107.41 m have been applied for assessment with more of the hole to be applied at a later date.

The first 37 m of the hole consisted of gabbroic sill with about 45% hornblende and pyroxene and 55% plagioclase. The remainder of the 107.41 m consisted of typical Middle Aldridge turbidites consisting of massive to thick bedded quartz wackes at the turbidite base with thin to medium bedded siltstones and/or mudstones at the turbidite tops. This section of the hole is interpreted to consist of proximal turbidites because it consists of frequent scour marks separated by thick to massive bedded, often amalgamated, quartz wacke bases (i.e. Bouma A horizon), and thinner siltstone and mudstone tops with plane parallel laminations and rare cross ripple laminations (i.e. Bouma C to E horizons). Whereas distal turbidites consist of thinner bedded, unamalgamated, turbidite bases with rare scour marks and relatively thicker turbidite tops with common cross ripple laminations.

Note: In the accompanying logs Boumas turbidite sequence of A, B, C, D, and E is used with a variation of A₁, A₂, A₃ to account for inverse grading, clasts, and vague current laminations within the turbidite base.

7. CONCLUSIONS

The first 107 m of the hole intercepted typical Middle Aldridge rocks, including a gabbroic sill through the first 37 m. These rocks consist of repetitive sequences of thick to massive bedded, quartz wackes with thin to medium bedded siltstone or mudstone tops. Based upon the thicknesses of individual beds and associated sedimentary features these rocks are interpreted to represent a sequence of proximal turbidite flows.

APPENDIX 1
STATEMENT OF COSTS

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

PROJECT CRANBROOK

DATE SEPTEMBER 26, 1985

TYPE OF REPORT DRILLING

a) Wages:

No. of Days 147
Rate per Day \$ 105.30
Dates From: May 1 - August 31, 1985
Total Wages 147 x \$ 105.30 15,478.72

b) Food and Accomodation:

No of days 147
Rate per day \$ 51.27
Dates From: May 1 - August 31, 1985
Total Cost 147 x \$ 51.27 7,536.76

c) Transportation:

No of days 147
Rate per day \$ 44.49
Dates From: May 1 - August 31, 1985
Total Cost 147 X \$ 44.49

d) Instrument Rental:

Type of Instrument
No of days
Rate per day \$
Dates From:
Total Cost X \$

Type of Instrument
No of days
Rate per day \$
Dates From:
Total Cost X \$

f) Analysis
(See attached schedule)

g) Cost of preparation of Report

Author 200.00

Drafting 200.00

Typing 100.00

h) Other:

Contractor 174,292.20

Total Cost

\$204,347.04

e) Unit costs for Drilling

No of days

No of units 1,267.9 Meters

Unit costs 161.17 / Meter

Total Cost 1,267.9 x 161.17

\$204,347.04

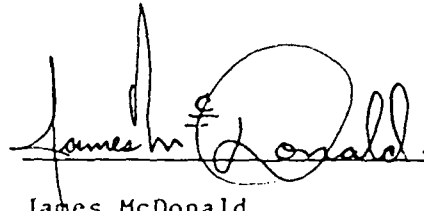
Assessment for this report on first 107.41 meters @ 161.17/m \$17,311.27

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 cursive script that reads "James McDonald". The signature is written in black ink and is positioned above a horizontal line.

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

APPENDIX III

DRILL LOGS

NORANDA EXPLORATION COMPANY LTD.

DDH BAR 85-1

Date Colored May 12/85		Date Completed		Core Size HQ		DIP TESTS				PROPERTY Cranbrook JV		PROJECT No. 3140		N.T.S. No. 826/5W	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 5		
Lat.		Elev.			Dip - 90		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				
0'	72m		Casing												
0m	21.95m														
72'	121'5"	23.17	Gabbro Sill			Fractures @ 30° & 60° to C.A. Slicks show dip slip (reverse)									
21.95m	37.02m	26.22m	Approx. 40% - 45% mafics (Hbl, Px partially altered to chlorite). Calcite veinlets. Plag. 55 to 60%. Coarse grained												
		26.22	Calcite vein			movement 101'6" to 103'5" Rubbly 103'5" to 105'									
		29.27m	At 88'1" Calcite vein @ 20° to core axis Approx 4" wide. Minor fine grained py along veinlets < 1%.												
		29.27				Rust stained fracture at 0° to C.A.									
		38.41m													
121'5"		38.41	'Quartz Wacke'			Bedding to C.A. 80° Blocky									
37.02m		41.46m	Fine to medium grained sandstones. Fine component is greater than medium component. Biotite content varies, in massive bedded sst. it is around 5% in thin bedded sst.												
		41.46m	biotite is around 15% in inter laminations. Also disseminated pyrite throughout approx. 4 to 5%. Fine grained pyrite apparently			Bedding to C.A. 85°									
		44.51													
		44.51	stratiform. This sequence of rocks consists of Cominco's turbidite division of A1, A2 and A3 interbedded through.			Bedding to C.A. 75°									
		47.56m													
		47.56	37.02m to 49.53			Bedding to C.A. 70°									
		50.61	Interbedded A1, A2 and B, thin (10cm) to medium bedded (up to 1m). A1 shows scour marks at base and is usually massive and grades into A2 which has												

DRILL LOG - 81

Date _____ Logged By J. McD.

Core stored at owners in Cranbrook

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 2 of 5			
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip		HOLE No.	
Dep.		Length		Bearing						Dep.		Length		Bearing			
From	To	Recovery	Description			Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
		50.61 to 53.66 89%	Same [redacted] rogue bedding and grades into parallel laminated B horizon.			Blocky throughout with fracures to C.A.											
		53.61 to 56.71 99%	49.53m to 60.27m Turbidites becomes more thickly bedded between erosional scours, usually about 1m. also appearance of fine grained, light grey elongate			@ 10° to 20° Fe stains along fractures.											
		56.71 to 59.76 98%	Same [redacted] elasts up to 3.5cm X 1cm in size. These represent A2 horizon and are parallel to bedding. Also appearance of A2 with thin and														
		59.76 to 62.80 95%	Same [redacted] medium laminations of fine sandstone with vague cross laminations. Also appearance of thin C horizon - (and D) fine silt interbeds or laminations about 10 cm wice showing			Bedding to C.A. 75°											
			Same [redacted] parallel and ripple cross-laminations. A3 and C horizon are less common than A1 and A2.														
			#Note [redacted] At 38.75m to 38.83m thin of soft light green, fine grained chloritic - sericitic silt with 3% disseminated po. May be a tuffite?														
			#Note [redacted] 43.11 to 50.61m have medium grained, chloritized biotite, and hornblend crystals (1mm X 3 mm) oriented parallel to C.A. Also this interval is more heavily fractured than surround-														
			Same [redacted] ing core. Also P. occurs as disseminations as high as 10% along the tops of some scours.														

DRILL LOG - 01

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 3 of 3		
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			
60.27	64.73	62.80 to 64.63 93%	'Quartz Wacke' Fine grained, light grey thick bedded with occasional scour marks and rare clasts A horizon A1 & A2 interbeds			Blocky Fractures to C.A. 10° to 20°									
64.73	67.68	64.63 to 67.68 99%	'Quartz Wacke' Medium grained, light grey, thick bedded. Clasts common, current laminations A-2 horizon. Near base have thin bedded, laminated,												
		67.68 to 68.90 71%	Same medium grey siltstones probably C horizon.			Bedding to C.A. @ 80°									
67.68	67.75	68.90 to 71.95 97%	Siltstone Medium grey C top to turbidite.												
67.75	68.27		'Quartz Wacke' Medium grained, light grey. Thin bedded. Occasional clasts and scours. Fines downward to A1 base 25 cm wide.												
68.27	72.20	71.95 to 75.00 97%	'Quartz Wacke' Medium grained, light grey massive bedding near base fines downward for 4 cm to 71.95m.			Bedding to C.A. 75°									
72.20	72.32		Siltstone Medium grey thinly laminated with medium and fine grained sst. Current laminations and rare ripples C horizon turbidite top.			Fractures to C.A. 10° to 15°									
72.32	75.14		'Quartz Wacke' Medium grained, light grey, thick to massively bedded with occasional scour marks. A2 Po disseminations 2%												

DRILL LOG - 81

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Collared		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		
From	To	Recovery	Description				Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
60.27	64.73	62.80 to 64.63 93%	'Quartz Wacke' Fine grained, light grey thick bedded with occasional scour marks and rare clasts A horizon A1 & A2 interbeds				Blocky Fractures to C.A. 10° to 20°									
64.73	67.68	64.63 to 67.68 99%	'Quartz Wacke' Medium grained, light grey, thick bedded. Clasts common, current laminations A-2 horizon. Near base have thin bedded, laminated,													
		67.68 to 68.90 71%	Same medium grey siltstones probably C horizon.				Bedding to C.A. @ 80°									
67.68	67.75	68.90 to 71.95 97%	Siltstone Medium grey C top to turbidite.													
67.75	68.27		'Quartz Wacke' Medium grained, light grey. Thin bedded. Occasional clasts and scours. Fines downward to A1 base 25 cm wide.													
68.27	72.20	71.95 to 75.00 97%	'Quartz Wacke' Medium grained, light grey massive bedding near base fines downward for 4 cm to 71.95m.				Bedding to C.A. 75°									
72.20	72.32		Siltstone Medium grey thinly laminated with medium and fine grained sst. Current laminations and rare ripples C horizon turbidite top.				Fractures to C.A. 10° to 15°									
72.32	75.14		'Quartz Wacke' Medium grained, light grey, thick to massively bedded with occasional scour marks. A2 Po disseminations 2%													

DRILL LOG - 81

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Collored		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 3	
Lat.		Elev.		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip		HOLE No.	
Dep.		Length		Bearing						Dep.		Length		Bearing				
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
75.14	75.36	75.00 to 76.00 100%	Siltstone Medium grey, thin inter-laminations of very fine grained sandstone. Parallel laminations. Distal Turbidite. C or D horizon															
75.36	80.64	78.00 to 81.10 97%	Quartz Wacke Medium grained, light grey thick to massive bedded. Some scours. A1 and A2 beds.															
			76.84 to 77.24m Three large very light grey clasts (up to 8 cm X 2 cm) with 20% disseminated po.															
80.64	80.76		Siltstone Medium grey with thin, parallel laminations of very fine grained sst and siltstone. Distal Turbidite. C or D.															
80.76	84.04	81.10 to 84.15 98%	Quartz Wacke Medium grained thick to massive bedded. Scours and occassion thin current laminations.															
84.04	84.15		Siltstone Medium grey with thin interlaminations of very fine grained sst. Ripple marks. C horizon Minor P. disseminations.															
84.15	85.61		Quartz Wacke Fine grained, light grey, bedding. A1 or A2 horizon															
85.61	85.76	84.15 to 87.20 98%	Mudstone Medium grey with P. disseminations and very thin interlaminations around 10%. Horizon E interturbidite.															

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 5			
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					
85.76	87.06		'Quartz Wacke' Medium and fine grained, light grey, medium interbeds. Scour A1 and A2 horizons													
87.06	87.26	87.20 to 90.21 100%	Sill Gabbroic/Dioritic? Thin altered sill consists of 40% biotite, 20% Quartz, and 40% plag. Biotite is alteration product of pyrorene and hornblende													
			Same Hornblende crystals were observed in amounts less than 5 %.													
87.26	87.63	90.24 to 93.29 88%	Siltstone Medium to light grey with occasional interlamination of very fine grained sst. and mudstone. Also wavy current laminations. C,D, and E horizons													
87.63	87.91		'Quartz Wacke' Medium and fine grained interbeds of light grey sandstone. Scours, Fining upwards. A horizons. Also thin mudstone tops observed at 88.29m and 88.51m these are E tops about 2 to 3 cm thick.													
			Py disseminated throughout 2%													
87.91	88.09		Siltstone Light to medium grey with interlaminated fine grained sandstone. Wavy current laminations (ripples?) Horizon C.													
88.09	89.92		'Quartz Wacke' Light grey, medium grained and bedded. Scour marks Horizon A. Py along fractures													

DWLS 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 6 of 5	
Lot.		Elev.		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		HOLE No.	
Dep.		Length		Bearing						Dep.		Length		Bearing				
From	To	Recovery	Description				Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
89.92	90.40		Siltstone Medium to light grey with inter laminations of very fine grained sandstone. Vague current laminations near base grading upwards into a 9 cm wide Mudstone. Horizons C and E.				Bedding to C.A. 80°											
			Same Thin laminations of py and disseminations of py, about 3%															
90.40	93.11		'Quartz Wacke' Light grey, medium grained massive to thick bedded. Heavily fractured with pyrite along fractures. Fractures primarily at 0° to 15° to C.A. Also chlorite along fracture surfaces.				Fractures 0° to 15° to C.A.											
93.11	93.29	93.29 to 96.34 68%	Siltstone Medium grey same alteration as above Horizon D				Bedding to C.A. 75° Blocky to Rubbly											
93.29	96.36	96.34 to 99.39 93%	'Quartz Wacke' Light grey, medium and fine grey interbeds. Thick bedded, some inverse grading. Horizons A1 and A2				Bedding to C.A. 70° Blocky to Rubbly											
			Same Alteration same as above but have appearance of very fine grained garnets and minor brecciation at 94.41 m to 96.36 m.				Bedding to C.A. 75°											
			Same At 96.26 to 96.36 m have sub rounded fragments up to 1 cm across in chloritic matrix. No sulfides in breccia															

DRILL LOG - 81

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Collared		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 7 of 8		
Lot.	Elev.	Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip		HOLE No.		
Dep.	Length	Bearing						Dep.	Length	Bearing					
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
96.36	96.53		Siltstone Medium grey with medium laminations to thin beds and thin pyrite laminations, about 1%. Top 10 cm marked by mudstone.												
			Same Horizon D with E top, Have much less fracturing but have development of biotite and hornblend crystals up to 3 cm long aligned parallel to the C.A. Hornblend and biotite												
			Same crystals are completely chloritized and oriented almost normal to bedding. Hornblende and biotite about 10%												
96.53	97.54		'Quartz Wacke' Light grey, medium grained thick bedded. Fractured at 0° to 20° to C.A. with pyrite along fractures. Chloritized biotite and hornblende												
			Same crystals are less prominent, about 2 to 4% hornblende and biotite.												
97.54	98.60		Siltstone Light grey, poorly laminated, vague current laminations Horizon D? or E?												
			Same Fracturing is minor and chloritized hornblende and biotite aligned parallel to C.A. is prominent. Up to 10% of rock.												
98.60	99.94	99.39 to 102.44 93%	'Quartz Wacke' Light grey, medium grained and bedded. Heavily fractured in last 30 cm with chlorite and pyrite along fractures Unit A												

DRILL LOG - 81

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		H.E.S. No.			
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES						Sheet 9 of 5	
Lat.	Elev.	Dip	Length	Bearing			RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.	Elev.	Dip	Length	Bearing	HOLE No.		
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
			Same _____ Also have fine to medium grained, dark amber coloured sphalerite in this zone. At end of zone have breccia with chloritized															
			Same _____ matrix as seen at 96.26 m				Bedding to C.A. 80°											
99.94	107.41	102.44 to 105.49 97%	Interbedded Siltstone/sandstone Light grey thin bedded siltstone and fine grained sandstone some minor current laminations. Also have at least five thin interbeds of				At 105.99 three very thin beds show eye shape indicating.											
			Same _____ mudstone E horizon. Thus have unit of horizons B, C ² D with some E tops. Moderately fractured throughout with				recumbent fold. Fractures at 0 to 20° to C.A. & 40° to 50° to C.A.											
			Same _____ Hornblende and biotite crystals (up to 3 mm long) aligned parallel to C.A. These crystals are more abundant in silty sections				Slicks show dip slip movement											
		108.54 to 111.58 95%	107.69 to 108.88 _____ heavily fractured with slicks on fractures. Little chlorite or sulfides and some clusters of fine grained amber - rust coloured euhedral sphalerite				Bedding to C.A. 60°											

N

S

D.D.H. C-85-1



CASING

Gabbro Sill

Proximal Turbidites, thick A with thin C to E

Gabbro Sill
Proximal Turbidites, thick A with thin C to E

Distal Turbidites with thin B to E

107.41m

REVISED	CRANBROOK PROJECT	
	<u>D.D.H. C-85-1</u>	
PROJ. No. <u>3140</u>	SURVEY BY: _____	DATE: <u>Sept/85</u>
N.T.S. _____	DRAWN BY: <u>J. J. [Signature]</u>	SCALE: <u>1:1000</u>
DWG. No. _____	NORANDA EXPLORATION	
	OFFICE: <u>Vancouver</u>	