86-948-15659

REPORT ON TRENCHING AND DIAMOND DRILLING
DOME MOUNTAIN, BOULDER CREEK ZONE

Omineca
~~OMENICA~~ MINING DIVISION
NTS 93L/10E,15E

LATITUDE 54° 44.7' North
LONGITUDE 126° 37.5' West

JANUARY - AUGUST 1986

Operator(s): CANADIAN-UNITED MINERALS, INC.
TEESHIN RESOURCES LTD.

Owner: Noranda Exploration

DECEMBER 2, 1986

R. HELGASON

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SUMMARY

A program of diamond drilling and trenching has been completed on Dome Mountain. Canadian-United Minerals, Inc. was the operator while Teeshin Resources Ltd. provided the funding.

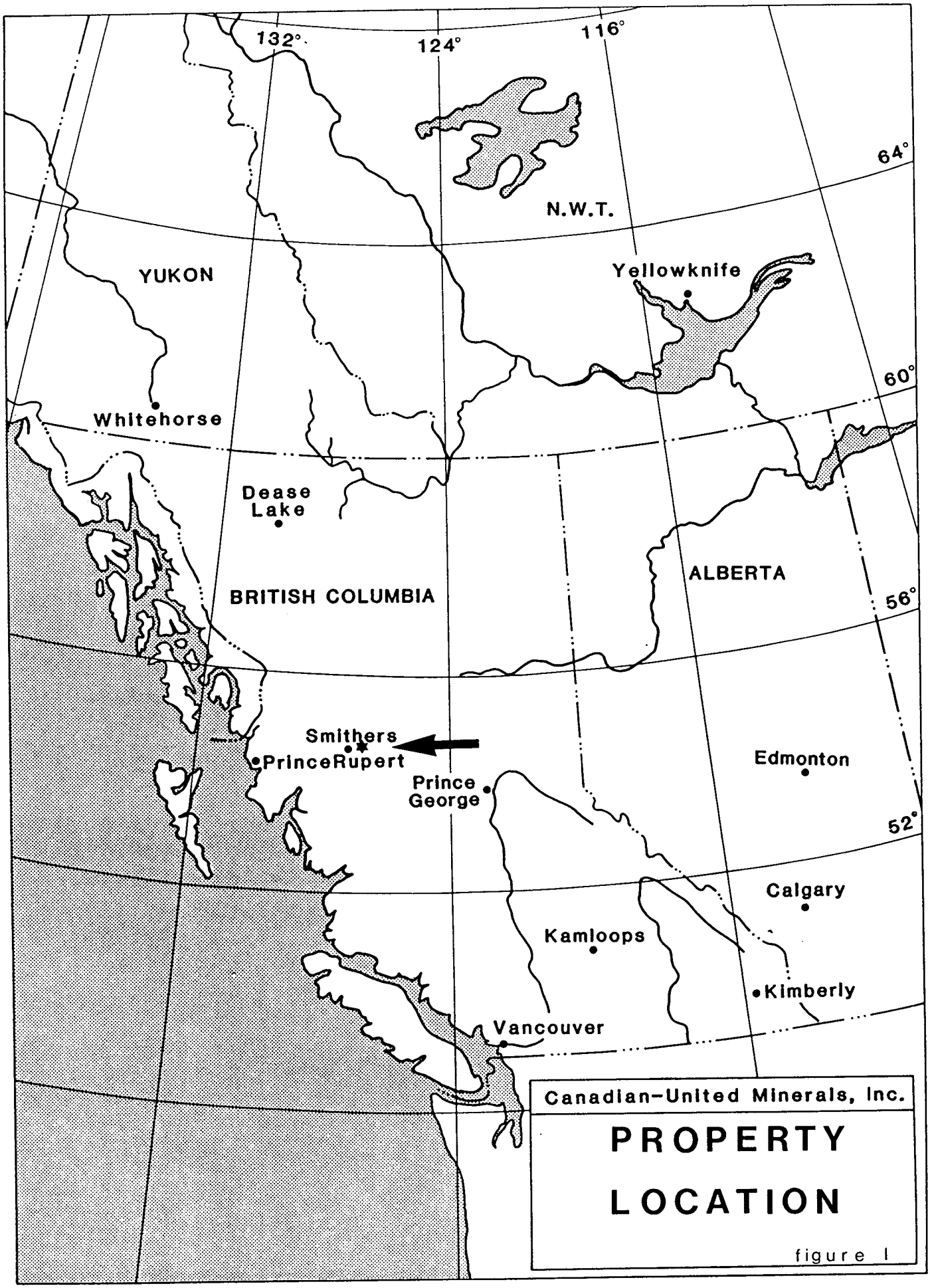
Dome Mountain lies 38 kilometres east of the town of Smithers in the Babine Range. Road access to all parts of the property is good during dry weather; during wet periods tracked vehicles work more efficiently.

Gold exploration and mining has been carried out on Dome Mountain sporadically since 1914, with bulk of the mining carried out in 1923 and 1924. Since then the largest exploration program was conducted by Noranda. In 1984 Noranda assembled all the claims covering Dome Mountain, with the exception of the Free Gold area and conducted a large scale geological and geochemical survey. This resulted in the discovery of the Boulder Creek zone and the 9800 showing.

Dome Mountain is underlain by Jurassic age subaerial to submarine volcanic, volcaniclastic and sedimentary rocks of the Hazelton Group. The two most abundant formations occurring on Dome Mountain are the Telkwa and Nilkitkwa. These units are folded into a gentle southeast plunging anticline.

Forty-eight NQ size diamond drill holes were completed in the Boulder Creek zone for a total of 4,427 metres. The drill program outlined a zone of mineralization containing 218,000 tonnes grading 15.7 grams/tonne gold.

Trenching of the surface trace of the vein to the west has connected the Boulder Creek zone to the Cabin zone. Diamond drilling of this extension is recommended.


132°
124°
116°
64°
60°
56°
52°
N.W.T.
YUKON
Yellowknife
Whitehorse
Dease Lake
BRITISH COLUMBIA
ALBERTA
Smithers
PrinceRupert
Prince George
Edmonton
Calgary
Kamloops
Kimberly
Vancouver
Canadian-United Minerals, Inc.
PROPERTY LOCATION
figure 1

INTRODUCTION

A program of diamond drilling and surface trenching has been completed on the Boulder Creek zone. The purpose of this program was twofold. The first step was diamond drilling to test the economic potential of gold mineralization exposed at surface. The second step was trenching to trace the continuity of mineralization to the west and attempt to connect the vein from the Boulder zone to the Cabin vein.

Work was conducted from January 6, to August 8, 1986.

CLAIMS

The Dome North claim group consists of 24 claims containing 100 units, while the Forks claim group consists of 36 claims totalling 93 units. These claims were acquired in three blocks by:

option from Coswan, L'Orsa, L'Orsa and McGowan;
option from Reako Explorations and Panther Mines;
option from Noranda Exploration.

Canadian-United Minerals, Inc. is the operator on all the above claims. A list of individual claims and expiry dates is attached as Table 1. Figure 2 is a claim map showing the two groups.

LOCATION & ACCESS

Dome Mountain lies 38 kilometres east of Smithers B.C. in the northwest trending Babine Range. Access is via the Babine Lake road east from Smithers to the Chapman Lake road and then south to kilometre 69 where a rough access road turns west and leads to the Free Gold, Forks, Boulder and Cabin areas. In wet weather this road becomes impassable to wheeled vehicles and a tracked vehicle is needed to move men and equipment. Alternatively the Deception Lake forest road from Telkwa gives access, however this route is very rough and not recommended.

TABLE 1

Table 1 Dome North Claim Group, Dome Mountain

NAME	RECORD #	TYPE OF CLAIM	UNITS	RECORD DATE	DUE*
Ptarmigan	1529	2P	1	Nov. 8/78	97
Grizzly	1530	2P	1	Nov. 8/78	97
Eagle	1534	2P	1	Nov. 8/78	97
Eagle Fr.	1535	2P	1	Nov. 8/78	97
Hercules	1536	2P	1	Nov. 8/78	97
Triangle Fr.	1537	2P	1	Nov. 8/78	97
Dome	1538	2P	1	Nov. 8/78	97
Whistler	1542	2P	1	Nov. 8/78	97
Whistler Fr.	1543	2P	1	Nov. 8/78	95
No. 5	1544	2P	1	Nov. 8/78	97
Pioneer	1549	2P	1	Nov. 8/78	97
Gem	1550	2P	1	Nov. 8/78	97
Porcupine	1551	2P	1	Nov. 8/78	97
Elk	1552	2P	1	Nov. 8/78	97
Bertha Fr.	1553	2P	1	Nov. 8/78	97
Hawk	1558	2P	1	Nov. 8/78	97
No. 1	1559	2P	1	Nov. 8/78	97
No. 4	1561	2P	1	Nov. 8/78	97
Dome 5	1627	2P	1	Mar. 1/79	97
Repeater 1	3408	MC	20	Nov. 4/80	88
Mat 1	3839	MC	20	July 16/81	97
Cope 2	4501	2P	1	Oct. 2/81	90
Bert I	4831	MC	20	Oct. 12/82	90
Bert II	4832	MC	20	Oct. 12/82	88
			100 Units		

* Pending approval of this report.

TABLE 1 (cont.)

Table 2. Forks Claim Group, Dome Mountain

NAME	RECORD #	TYPE OF CLAIM	UNITS	RECORD DATE	DUE*
Josie	1531	2P	1	Nov. 8/78	97
Raven	1532	2P	1	Nov. 8/78	98
Telkwa	1533	2P	1	Nov. 8/78	97
Vancouver	1539	2P	1	Nov. 8/78	97
No. 3	1540	2P	1	Nov. 8/78	98
No. 6	1541	2P	1	Nov. 8/78	98
Victoria Fr.	1545	2P	1	Nov. 8/78	97
Freda	1546	2P	1	Nov. 8/78	97
Trail Fr.	1547	2P	1	Nov. 8/78	97
Tom Fr.	1548	2P	1	Nov. 8/78	97
New York	1554	2P	1	Nov. 8/78	97
Trail	1555	2P	1	Nov. 8/78	97
Snowdrop	1556	2P	1	Nov. 8/78	98
No. 2	1557	2P	1	Nov. 8/78	98
Wallace	1560	2P	1	Nov. 8/78	98
Wallace Fr.	1562	2P	1	Nov. 8/78	97
Dome 1	1623	2P	1	Mar. 1/79	97
Dome 2	1624	2P	1	Mar. 1/79	97
Dome 3	1625	2P	1	Mar. 1/79	97
Dome 4	1626	2P	1	Mar. 1/79	97
Dome 6	1628	2P	1	Mar. 1/79	97
Babs #3	1983	MC	8	Aug. 28/79	88
Babs #4	1984	MC	8	Aug. 28/79	88
Babs #5	1985	MC	6	Aug. 28/79	88
Dome B	3566	MC	20	Feb. 12/81	95
Boo Fr.	3950	2P	1	July 23/81	89
Boo 1	3951	2P	1	July 23/81	89
Boo 2	3952	2P	1	July 23/81	90
Boo 3	3953	2P	1	July 23/81	90
Boo 4	3954	2P	1	July 23/81	89
Boo 5	3955	2P	1	July 23/81	89
Cope 1	4500	2P	1	Oct. 2/81	90
Cope 3	4502	2P	1	Oct. 2/81	90
Cope 4	4503	2P	1	Oct. 2/81	90
Cope 5	4504	2P	1	Oct. 2/81	90
Betty 1	6041	MC	20	Feb. 15/84	95
			93 Units		

* Pending approval of this report.

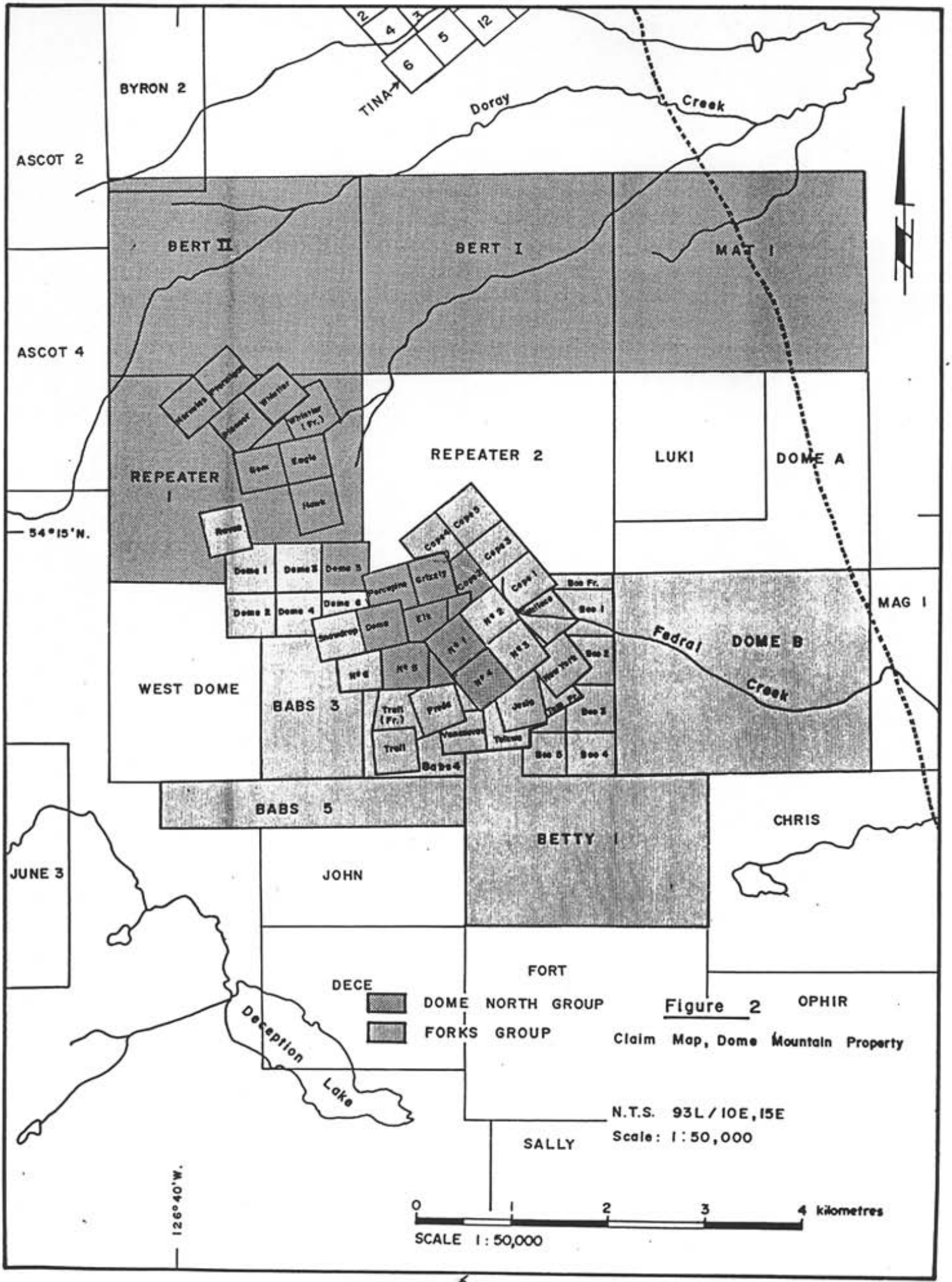


Figure 2 Claim Map, Dome Mountain Property

PHYSIOGRAPHY

Dome Mountain lies within the northwest trending Babine Range, part of the larger Nechako Plateau. Elevations range from 1,100 metres in the eastern area of the claims to 1,753 metres at the peak of Dome Mountain.

Vegetation is dense and consists of a mix of fir and pine with moderate undergrowth. There is a paucity of outcrop as glacial deposits mantle most of the hill. The best outcrops are found in creeks and on the crest of the mountain. Water for drilling is available from Boulder or Fedral creeks.

HISTORY

Prospectors began staking claims on Dome Mountain as early as 1914. By 1923 work had progressed to underground development on the Forks, Cabin, Jane and Ptarmigan veins by the Dome Mountain Mining Company. The Forks showing was subjected to the most work as it was considered the most likely prospect. However, by 1924 work was abandoned due to the lenticular nature of the veins and excess water in the workings.

In 1923 the Free Gold showing was explored by Babine Gold Mines Ltd. who went underground to develop several small quartz veins. Bulk shipments were made in 1938 and 1940. In 1967 to 1969 and 1972 to 1973 the property was tested for its potential as a porphyry copper deposit. In 1979 and 1980 the underground workings were extended and a road connecting the Free Gold to the Chapman Lake logging road was built. From 1981 to 1983 Reako Explorations Ltd. and Panther Mines Ltd. extended the underground workings and open pitted a small area.

In 1984 all the properties on the mountain, with the exception of the Free Gold, were assembled into one package and optioned by Noranda Exploration Company, Ltd. Noranda cut a grid which was used for soil sampling, geological mapping and limited geophysics. They also constructed a new road to the Forks showing. Several of the soil anomalies discovered in 1984 were trenched in 1985. Two new showings, the Boulder Creek zone and the 9800 showing, were discovered by trenching of anomalous soil locations. In the fall of 1985 the 9800 showing as well as the Forks, Cabin, Hawk and Hoopes veins were tested by diamond drilling. Work was completed by October of 1985.

REGIONAL GEOLOGY

Dome Mountain lies within the Intermontaine Belt of the Canadian Cordillera. The Skeena Arch, a broad structural high underlies the area.

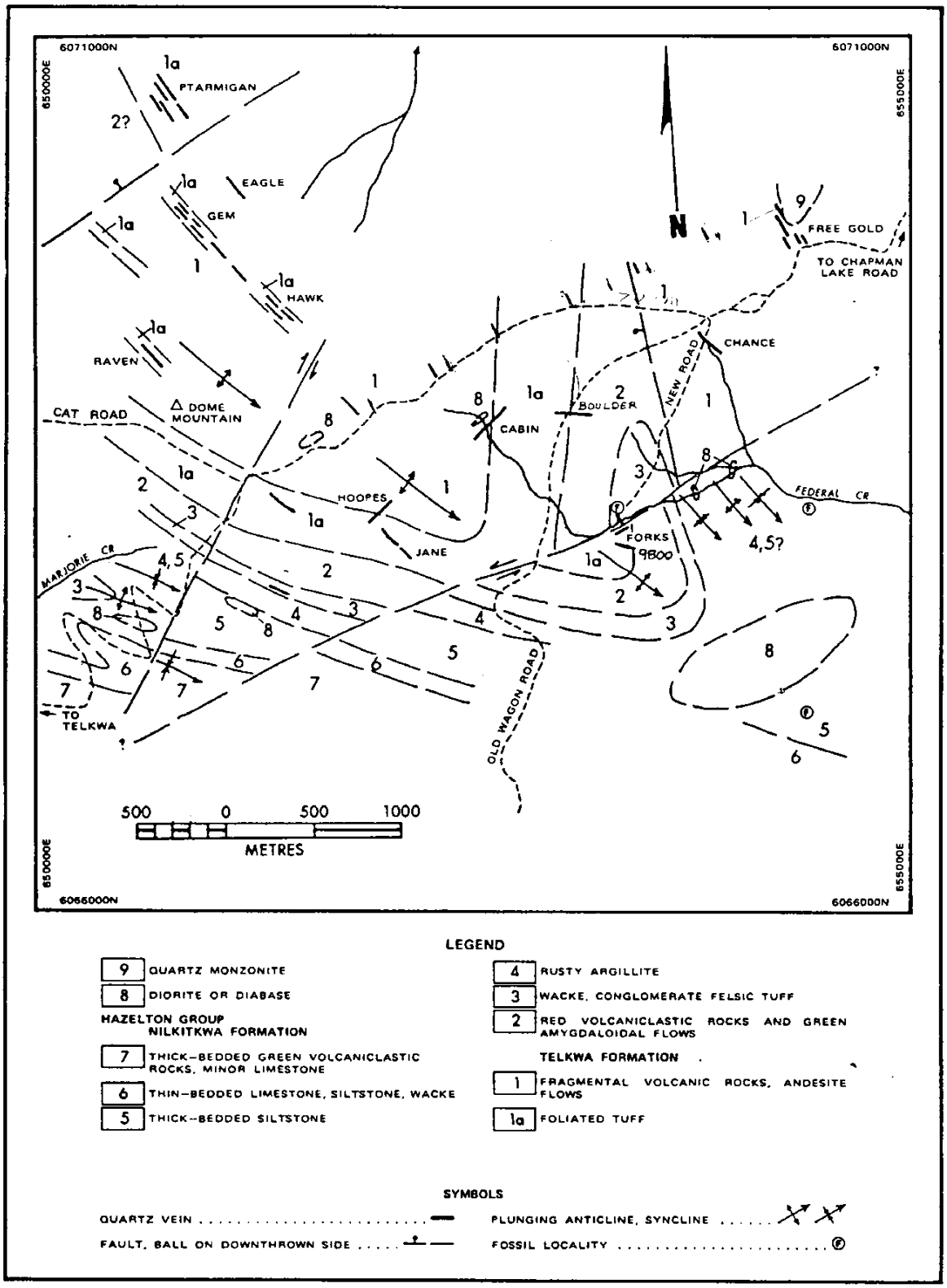
The Dome Mountain area is underlain by subaerial to submarine volcanic, volcaniclastic and sedimentary rocks of the Jurassic Hazelton Group. The Hazelton Group is an island-arc assemblage that was deposited in the northwest trending Hazelton Trough between Early Jurassic and Middle Jurassic time (MacIntyre, 1985). The Hazelton Group is divided into three formations, the Telkwa, Nilkitkwa and Smithers Formations.

On Dome Mountain the predominant unit is Telkwa Formation. This consists of subaerial and submarine pyroclastic and flow rocks with lesser intercalated sedimentary rocks. It is a chaotic assemblage of coarse grained agglomerate, tuff breccia and lapilli tuff with lesser lithic, crystal and ash tuff and volcanic derived sedimentary rocks (MacIntyre 1985).

Overlying the Telkwa Formation conformably to disconformably is the Nilkitkwa Formation which has a distinctive basal red volcaniclastic and green amygdaloidal flow unit, with overlying volcanic wacke, conglomerate, felsic tuff, rusty argillite, thick bedded siltstone, thin bedded limestone-siltstone-wacke and a green thick bedded volcaniclastic unit. No Smithers Formation occurs in the claims area.

Several small diorite plugs intrude the Telkwa and Nilkitkwa Formations on Dome Mountain. It is postulated that these plugs are the source of the mineralized quartz veins.

MacIntyre (1985) has mapped Dome Mountain as being underlain by a southeast plunging anticline with the oldest Telkwa rocks forming the core. This anticline is offset near the Forks by an ENE striking fault. Figure 3 shows the geology of Dome Mountain.



Preliminary geology of the Dome Mountain gold camp.
from. MacIntyre 1985.

figure 3.

EXPLORATION

The diamond drilling program consisted of 48 holes totaling 4,427 metres. These holes were all drilled in the Boulder Creek zone. Drilling was conducted during the following periods, January 6 to 23, March 1 to 14, and May 14 to 27, 1986.

J.T. Thomas Drilling of Smithers was the contractor. Two crews of two men operated an Ackers drill for two ten hour shifts per day. NQ equipment was used to obtain core samples approximately 47 mm in diameter.

All core was logged and split at the Canadian-United Minerals, Inc. warehouse at 3439 Fulton Avenue in Smithers. The core is still stored there. Core was logged by Gordon and John Leask. Gordon Leask was on site geological engineer and did most of the core logging and sampling.

Trenching to the west of the Bolder zone was conducted between July 21 and August 8, 1986. Fourteen trenches were dug to expose the trace of the Boulder Creek zone geological structure.

A Caterpillar 215 excavator was used due to the depth of overburden. J. Hidber contracting of Telkwa, B.C. supplied the machinery. Trenches which reached bedrock were mapped and sampled by either John Leask or the author.

All drill collar coordinates and trench locations were surveyed by K. Coswan of Swanex Exploration Services. Elevations and locations are all based on a Provincial Control Survey Marker located on the summit of Dome Mountain. This control point allows all surveyed locations to be plotted by UTM coordinates as well as with respect to astronomical north.

Drill and trench samples taken for analysis were sent to Acme Analytical Labs Ltd. of Vancouver, B.C. Samples were analysed for gold, silver, copper, lead and zinc by assay.

Most of the drilling was conducted on the Cope 2 claim with the exception of holes 27, 28, 29 and 30 which were spotted on the No. 2 claim. Trenching was spread across the Cope 2 and Grizzly claims.

RESULTS

Drilling:

A total of 4,427 metres were drilled in 48 holes. All holes were drilled in the Boulder Creek zone. The holes are numbered T86-4 through T86-51 inclusive. Drill core logs are included in Appendix 3. Figure 4 & 5 are plans of drill hole locations. Assay results are on the drill logs.

The drill program was designed to test the down dip and lateral extent of a mineralized quartz vein exposed by surface trenching. Drill spacings were 20 metres apart along the trace of the vein. The first row of drill locations had two holes drilled from them, an inclined (45°) hole and a vertical hole. Additional holes were stepped back away from the vein to test it at depth.

Virtually all the holes intersected the ore horizon at depth. The thickness of the mineralized quartz vein varies from 4 metres down to minor quartz veinlets in an alteration zone. In general, the vein is in the 2 metre range of true thickness. Mineralization in the vein consists of pyrite, sphalerite, galena, chalcopyrite, minor tetrahedrite and gold. One metre intervals of mineralized vein were sampled with the highest result being 332 grams/tonne Au (9.68 oz/ton).

An alteration envelope is found associated with the vein. Grade of alteration increases with proximity to the vein. Alteration starts as a weak bleaching of the host rocks with the introduction of chlorite, epidote, carbonate and silica. Closer to the vein the alteration assemblage consists of pervasive quartz, carbonate, clay, sericite, pyrite alteration. Disseminated pyrite is ubiquitous throughout the entire altered zone. Gold and silver enrichment in the altered zone is weak with no economic values found.

Structurally the vein appears to have a consistent orientation with only minor offsets and deviations. Strike is east-west plus or minus 10° to 20° and dip is between 30° - 60° south. In several drill holes two or more, mineralized zones are seen. This occurs in drill holes 7, 8, 9, and 10 as well as holes 29, 30 and 51. It is not known at present why this occurs, but it might possibly be overlap due to low angle faulting. Another possibility is that there is a second vein splayed off the main vein or crosscutting it. Underground development and drilling should help explain these areas.

RESULTS

Drilling: (cont.)

From inspection of core there does not appear to be any stratigraphic control to mineralization. Stratigraphy strikes almost north-south while the quartz vein runs east-west. Drill holes west of 20/21 are all collared in Telkwa Formation while the holes east of here are all in Nilkitkwa Formation. In some holes, 36 for example, the quartz vein is hosted in maroon coarse grained agglomerate while in others the vein occurs high in the section at the red volcaniclastic-green flow contact in the Nilkitkwa. All stratigraphic interpretation is based on the stratigraphic column by MacIntyre (1985) and from discussions with B.C.M.E.M.P.R. personnel.

Trenching:

In July and August 1986 a total of 14 trenches were dug between the Boulder and Cabin veins. A Caterpillar 215 excavator was used due to the depth of overburden. Trenches were spaced 20 metres apart until overburden depth became too great then the excavator was moved closer to the Cabin vein in hope of less cover. Overburden consists of approximately one metre of glacial silt, sand and dirt which is underlain by up to 7 metres of blue clay. This blue clay is impervious to water therefore the top one metre is saturated. In the clay there are abundant rounded pebble to cobble dropstones indicating a probable glacial lake origin.

Figures 4 & 5 show the trench locations.

The extension of the Boulder Creek vein was traced for a distance of 450 metres through to the Cabin vein. A gap of 185 metres in the middle was not tested due to depth of cover, but it is assumed the vein/alteration zone continues through this untested area as continuity of the vein on both sides is good.

The majority of trenches exposed bedrock (1, 2, 4, 6, 9, 10, 11, 12, 13, 14, 15) which was sampled if alteration or vein material was present. Three trenches did not reach bedrock (3, 5, 8) and trench 7 was never dug due to depth of overburden. Trench logs detailing dimensions and results are included as Appendix 4.

CONCLUSIONS

Diamond drilling has outlined a large area of mineralization with a preliminary tonnage calculation of 218,000 tonnes of 15.7 grams/tonne gold (N.C. Carter). The deposit is still open along strike to the east and west as well as at depth. Surface trenching of the horizon to the west has traced the zone for a length of 450 metres to the Cabin vein while the vein remains untested to the east. Therefore, the potential for expanding tonnage is considered very good. Further diamond drilling to the west and east is recommended.

Mineralization consists predominately of pyrite, sphalerite and galena in a quartz gangue. Alteration haloes beside the vein grade from intense quartz, carbonate, sericite, clay alteration through to weak propylitic (chlorite, carbonate) alteration. The vein does not appear to be stratigraphically controlled as it crosscuts stratigraphy.

REFERENCES

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Myers, D., February, 1986. Assessment Report: Diamond Drilling on the Dome Mountain Property. Noranda Exploration Co. Ltd., Prince George, B.C.

Tipper, H.W., Richards, T.A., 1976. Jurassic Stratigraphy and History of North-Central British Columbia, Geological Survey of Canada, Bulletin 270.

QUALIFICATIONS

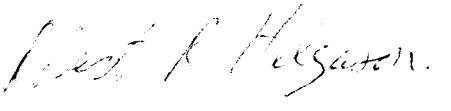
I Robert R. Helgason, of the city of Vancouver, Province of British Columbia hereby certify that:

1. I am a graduate of the University of British Columbia with an honours Bachelor of Science degree in Geological Sciences, 1980.

2. I have practised the profession of Geology for various companies since graduation.

3. The information in this report is based on published and unpublished reports and on work conducted by Canadian-United Minerals, Inc. from December 1985 to August 8, 1986.

Dated this 2nd day of December, 1986.



Robert R. Helgason

APPENDIX 1

STATEMENT OF COSTS

DOME NORTH CLAIM GROUP

Including the following dates in 1986: January 6 - 26, March 1 - 17, May 14 - 30, July 21 - August 11.

Diamond Drilling Program

Drilling Costs:	4,676 feet @ $18.40/foot =	$ 86,038.40	
	6,473 feet @ $17.40/foot =	112,630.20	
Man & Machine Hours:	756 hours @ $21.00/hour =	15,876.00	
Equip. Rental [CAT]:	329 hours @ $75.00/hour =	24,675.00	
Materials:	fuel, parts, repairs, core racks =	14,702.40	
Rental:	Field Office and Core shack =	3,440.00	
	Total Diamond Drilling Costs:		$ 257,362.00

Analyses [Core Assays]

Elements analysed for: Au, Ag, Cu, Pb, Zn
Cost per sample:
preparation = $3.00/sample
assay = $20.00/sample
Total Cost of Assaying = 226 samples @ $23.00/sample: 5,198.00

Analyses [Geochem]

Analysed for Au, Ag, Zn, Pb, Cu
Total Cost of Analysis: 2,728 samples @ $5.00/sample: 13,640.00

Wages [Geologists]

Number of days: 92 days
Rate per day: $150.00/day
Total Wages: 13,800.00

Food and Accommodation

Number of days: 92 days
Rate per day: $40.00/day
Total Food and Accommodation: 3,680.00

Transportation [Truck Rental and Gas]

1 Truck for 92 days @ $40.00/day
Total Transportation: 3,680.00

Report Preparation

1 day @ $150.00/day
Total Report Preparation: 150.00

TOTAL: $ 297,510.00

STATEMENT OF COSTS

FORKS CLAIM GROUP

Including the following dates in 1986: January 6 - 26, March 1 - 17, May 14 - 30, July 21 - August 11.

Diamond Drilling Program

Drilling Costs:	3,475 feet @ $17.40/foot =	$ 60,465.00
Man & Machine Hours:	189 hours @ $21.00/hour =	3,969.00
Equip. Rental [CAT]:	83 hours @ $75.00/hour =	6,225.00
Materials:	fuel, parts, repairs, core racks =	3,675.60
Rental:	Field Office and Core shack =	860.00
	Total Diamond Drilling Costs:	$ 75,194.60

Analyses [Core Assays]

Elements analysed for: Au, Ag, Cu, Pb, Zn
Cost per sample:
preparation = $ 3.00/sample
analysis = $20.00/sample
Number of Samples = 57 samples

Total Analyses Cost: 1,311.00

Wages [Geologists]

Number of days: 23 days
Rate per day: $150.00/day

Total Wages: 3,450.00

Food and Accommodation

Number of days: 23 days
Rate per day: $40.00/day

Total Food and Accommodation: 920.00

Transportation [Truck Rental and Gas]

1 Truck for 23 days @ $40.00/day

Total Transportation: 920.00

Report Preparation

1 day @ $150.00/day

Total Report Preparation: 150.00

TOTAL: $ 81,945.60

APPENDIX 2

JT Thomas 847-4176

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
JAN 6th 1986	JAN 7, 1986	NQ

FIELD CO-ORDINATES		
Lat 50641.39	Elev 5249.63	Dip -45°
Dep 49860.20	Length 158'	Bearing ~~11°~~ ~~43~~

DIP TESTS				
DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED
48.6m				
158'	11°43		-45°	

PROPERTY: DOME MOUNTAIN | PROJECT No.: BOULDER CK | N.T.S. No.: 93 L/10 E

SURVEYED CO-ORDINATES: Lat. | Elev. | Dip

Dep. | Length | Bearing

Sheet 1 of 3

HOLE No.: T86-4

AZ - 002° AZ

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
0.0m	3.04m		Overborden, no recovery						
3.04m	16.23m	100%	Green andesite, minor calcite veinlets throughout						
16.23m	16.97m	100%	Green andesite with calcite vein, no sulphide mineralization						
16.97m	18.58m		Macoon andesite, red hematite blebs, minor calcite veinlets						
18.58m	21.73m		green andesite fine grained, minor calcite veinlets						
21.73m	22.03m		Quartz vein within green andesite pyrite & chalcopyrite present stringing and within quartz		3%				
			Sample				T15	30cm	
22.03m	26.60m		green andesite, minor quartz & calcite veinlets ≈ 1-2m thick where they occur						

DRILL LOG - 81

Date Jan 8, 1986 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	N.T.S. No.
Jan 6/86	Jan	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	Dome MOUNTAIN	Boulder Ck	93 E/10E
FIELD CO-ORDINATES							SURVEYED CO-ORDINATES		Sheet 2 of 3
Lat 50641.39	Elev 5249.63	Dip -45°					Lat.	Elev. / Dip	HOLE No. T86-4
Dep 49860.20	Length 158'/48.6m	Bearing [011]					Dep.	Length / Bearing	

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
26.60m	27.89m		Maroon andesite with red hematite blebs, minor calcite veinlets										
27.89m	31.55m		Green andesite, some small red hematitic blebs.										
31.55m	32.85m		Siliceously altered green andesite epidotized, some meriposite. C quartz carbonate alteration										
			disseminated pyrite occurring as individual cubes (very low %.) Sample				T16	1.3m	.01	.01	.02	.04	.001
32.85	33.93m		Quartz vein, abundant sulphide in top tapering to sparse in bottom, chalcopyrite and pyrite present.										
			Sample 32.85 - 33.93				T17	1.12m	.38	.03	.09	.67	.051
33.93m	35m		Altered purple & green andesite, small amount < 1% pyrite cubes.										
			Sample 1.07m				T18	1.07m	.01	.01	.03	.02	.002

DRILL LOG 81

Date Jan 8, 1986 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
Jan 6/86		NQ

FIELD CO-ORDINATES			
Lat. 5064(.39	Elev 5249.63	Dip -45°	
Dep 4980.20	Length 48.17 m	Bearing [011]	

DIP TESTS				
DEPTH	BEARING		ANGLE	
	RECORDED	CORRECTED	RECORDED	CORRECTED
158'				
48.6 m				

PROPERTY	PROJECT No.	N.T.S. No
Dome Mountain	Boulder Ck	93 L/10 E

SURVEYED CO-ORDINATES			Sheet 3 of 3
Lat.	Elev.	Dip	HOLE No.
Dep.	Length	Bearing	T86-4

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
35m	37.80m		Altering green and maroon andesite						
37.80	37.89		Quartz vein with abundant Pyrite no sample too thin						
37.89m	38.90m		fine grained green andesite						
38.90	39.01		Quartz vein abundant pyrite no sample too thin						
39.01	48.17		Maroon andesite with hematite blebs						
EOH.			48.17 @ -15° Az => 34.06 +Z						

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.
JAN 8, 1985	JAN 8, 1985	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	DOME MOUNTAIN		BOULDER CK	93 L/10 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES			Sheet 1 of 2
Lat 5039.26	Elev. 5246.12	Dip -45°	128'					Lat	Elev.	Dip	HOLE No.
Dep 49874.91	Length 128'/39m	Bearing 11°Az						Dep.	Length	Bearing	T86-5

AR 14° dd

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
0.0m	3.04m	0%	No recovery, overburden										
3.04m	15.10m	100%	Green Andesite, minor thin calcite and quartz veinlets										
15.10m	15.24m		Altered green andesite quite quartz flooded										
15.24m	15.39m		Quartz vein, chalcopyrite and pyrite present.										
15.39m	18.16m		Altered green andesite some epidote on cleavage surfaces some marcasite / fuchsite ?										
18.16m	18.26m		Quartz vein, chalcopyrite and pyrite present ≈ 30% sulphide										
18.26m	22.39		Altered green andesite some sulphides ie chalcopyrite in minute quantities in small veinlets										
			Sample 15.10m – 22.39m		Low	Low	T19	7.29m		low	sulphides not	alt^n sampled.	

Should have to go in later

DRILL LOG - B1

Date JAN 8, 1986 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S. No.
Jan 8/86								Dome Mountain	Border Ck	93 L/10E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES		Sheet 2 of 2
Lat 50639.26	Elev 5246.12	Dip -45	39.38 m					Lat. / Elev. / Dip		HOLE No.
Dep. 44874.91	Length 39.38	Bearing [011]	128'					Dep. / Length / Bearing		T86-5

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
22.39m	27.57m		Quartz Vein well mineralized with pyrite pyrohotil, and chalcopyrite overall sulphide % ≈ 10% Abundant Fucite.				take	sample for	predict.				
							from	this interval.					
			Samples each 1m	22.39 - 23.39			T-20	1.0 m	1.37	.06	6.55	2.68	.482
			22.39 - 23.39	23.4 - 24.4			T-21	1.0 /m	.63	.10	13.03	2.55	.469
			23.4 - 24.4	24.4 - 25.4			T-22	1.0 /m	.78	.57	.49	12.59	9.680
			24.4 - 25.4	25.4 - 26.4			T-23	1.0/ m	.19	.09	.27	2.24	.091
			25.4 - 26.4 ← appears to be replaced tuff horizon	26.4m - 27.57m			T-29	1.17 m	.03	.01	.06	.16	.051
27.57m	28.63m		Altered maroon andesite, very low sulphide quantitees	> core in brown box - Vancouver									
28.63m	EOH 39m		Maroon Andesite with red hematite blebs minor calcite & quartz veinlets										
			39 m @ ... > 27.6 m ...										

DRILL LOG - 81

Date Jan 8, 1986 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S. No.
Jan 7, 1986		NQ						DOME MOUNTAIN	BOULDER Ck	93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES		Sheet 1 of 3
Lat 50 639.26	Elev 5246.12	Dip -90°						Lat.	Elev.	Dip	HOLE No.
Dep 49 874.91	Length 66.75m/219'	Bearing —						Dep.	Length	Bearing	T86-6

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
0.0m	1.83m	0%	no recovery, casing						
1.83m	29.56m	100%	green andesite, minor quartz and calcite veinlets						
29.56m	34.0m		maroon (pale maroon) andesite.						
34.0m	39.01m		Pale green andesite slightly altered.						

DRILL LOG - 81

Date Jan 13, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
Jan 7/86		NQ

FIELD CO-ORDINATES		
Lat. 50639.26	Elev. 5246.12	Dip −90°
Dep. 47874.91	Length 219'	Bearing —

DIP TESTS				
DEPTH	BEARING		ANGLE	
	RECORDED	CORRECTED	RECORDED	CORRECTED
66.75m				

PROPERTY	PROJECT No.	N.T.S. No.
Dome Mtn	Boulder Ck	93 L/10 E

SURVEYED CO-ORDINATES			
Lat.	Elev.	Dip	Sheet 2 of 3
Dep.	Length	Bearing	HOLE No. DDH T86-6

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
39.01m	48.36m	100%	Quartz vein abundant pyrite, chalcopyrite zone is epidotized and chloritized sphalerite										
			Sample 39.01m - 40m				T25	.99 m	.18	.03	1.93	.33	.048
			40m - 41m				T26	1.0 m	.14	.01	1.66	.69	.006
			41m - 42m				T27	1.0 m	.08	.01	.89	.14	.025
			42m - 43m				T28	1.0 m	.44	.22	1.51	2.56	.267
			43m - 44m				T29	1.0 m	.44	.14	1.23	1.14	.184
			44 - 45m				T30	1.0 m	.07	.02	.48	.43	.103
			45 - 46m				T31	1.0 m	.04	.02	.15	.23	.028
			46m - 47m				T32	1.0 m	.12	.02	.12	.22	.031
			47m - 48.36m				T33	1.56 m	.41	.46	2.93	3.27	.698
48.36m	49.8m		Kaolinized (clay altered) green andesite										
49.8m	66.75m E.O.H.		Alternating green and maroon andesite to bottom of hole.										

DRILL LOG - 81

Date Jan 13 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

FILL IN SAMPLING

Date Collared: Jun 7/86	Date Completed	Core Size: NQ	DIP TESTS					PROPERTY: Dome	PROJECT No: Boucher	N.T.S. No: 73L/ K E
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES		Sheet 3 of 3
				RECORDED	CORRECTED	RECORDED	CORRECTED			
Lat 50639.26	Elev 5246.12	Dip 90°						Lat	Elev. / Dip	HOLE No.
Dep 49824.91	Length 219'	Bearing —	66.75					Dep	Length / Bearing	T86-6

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
48.56m	49.98m		Quartz flooded Altered tuff horizon veggy < 5% sulphides Kaolinitic Alteration				5087		.04	.01	.03	.06	.007

DRILL LOG #1

Date ______ Logged By ______

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
9/01/1986	9/01/1986	NQ

FIELD CO-ORDINATES		
Lat 50626.04	Elev 5240.81	Dip −45°
Dep 49897.58	Length 45.11m/148'	Bearing 14° A_3 AZ 4° KL

DIP TESTS	BEARING		ANGLE	
DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED

PROPERTY	PROJECT No.	N.T.S. No.
DOME MOUNTAIN	BOULDER CK	93 L/10E

SURVEYED CO-ORDINATES			Sheet 1 of 2
Lat.	Elev.	Dip	HOLE No.
Dep.	Length	Bearing	T86-7

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	True Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
0.0m	3.04m	0%	No recovery Overburden										
3.04m	9.18m	100%	Green Andesite, med grained thin calcite and quartz veinlets throughout										
9.18m	17.68m		Alternating green and maroon andesites										
17.68m	23.78m		Green Andesite, sand quartz amygdaloids										
23.78m	24.85m		Quartz vein, ≈ 3% sulphide mineralization galena, pyrite and minor chalcopyrite, sphalerite				24.29 − 24.35 Sample taken for preliminary metallurgy						
			Sample 23.78m − 24.85m = 1.07m				T34	1.07m	.31	.29	1.77	1.43	.395
24.85m	26.2m		Green andesite				not sampled − poor mineralization						
26.2m	30.62m		Altered andesite/tuff zone sulphide mineralization throughout < 3% total sulphides minor galena. pyrite, minor chalcopyrite										

DRILL LOG - 81

Date Jan 12, 1986 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
Jan 7/86		NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome MTN.		Bowron CK	93 L/10 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES			Sheet 2 of 2
Lat 5026.04	Elev 5240.81	Dip -45°						Lat.	Elev.	Dip	HOLE No.
Dep 49897.58	Length 45.11	Bearing [014]						Dep.	Length	Bearing	T86-7

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	True Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
			Sample 26.2m - 27.2m				T35	1m	.02	.02	.18	.10	.008
			27.2m - 28.2m				T36	1m	.12	.17	.46	.91	.015
			28.2m - 29.2m Quartz vein, epidotized chloritized dacite				T37	1m	.50	.27	1.03	3.52	.239
			29.2m - 30.2m altered tuff, pyritic dacite				T38	1m	.01	.02	.03	.16	.022
			30.2m - 30.62m altered tuff, pyritic dacite				T39	0.42m	.03	.03	.03	.40	.129
30.62m	32.12m		Quartz vein, fairly lean in sulphides < 6% total sulphides										
			Sample 30.62 - 32.12 m				T40	1.5m	.09	.06	.04	.96	.249
32.12m	45.11m EOH		Maroon andesites										
			EOH										
			45.11m @ -45° hit => 31.9m HW										

DRILL LOG - 81

Date 12/01/1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S. No.
JAN 10, 1986	JAN 10, 1986	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	DOME MOUNTAIN	BOULDER CR	93 L/10 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES		Sheet 1 of 2
Lat. 50626.04	Elev 5210.81	Dip −90°						Lat.	Elev.	Dip	HOLE No.
Dep 49897.58	Length 94.2m/309'	Bearing [014]						Dep.	Length	Bearing	T86-8

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
0.0m	1.21m	0%	no recovery, overburden										
1.21m	31.22m	100%	Alternating green and maroon andesites thin quartz ± calcite veinlets throughout <2mm										
31.22m	38.11m		Green andesite trending towards pale green andesite										
38.11m	38.95m		Quartz vein, pyrite chalcopyrite, (galena, sphalerite minor)										
			Sample 38.11 - 38.95m = 0.84m x .6 = 0.54m			✓	T41	0.84m	.53	.33	1.26	3.88	6.920
38.95m	40.71m		Pale green andesite with abundant fucite and hematite blebs	Sentin									
40.71m	43.24m		Quartz vein, very high sulphide % galena, sphalerite, pyrite and chalcopyrite										
			Sample 40.71m - 41.71m = 1m x 0.6 = 0.6m			✓	T42	1.0m	.19	.05	2.49	.67	.232
			41.71 - 42.71m = 1m x 0.6 = 0.6m				T43	1.0m	1.82	.39	29.50	2.99	.452

DRILL LOG - 81

Date Jan 12, 1986 Logged By Gordon C Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collored	Date Completed	Core Size	DIP TESTS				PROPERTY		PROJECT No.	N.T.S. No.
Jan 10, 1986	Jan 10, 1986	NQ		BEARING		ANGLE	Dome Mtn		Boulder Ck	93L/10E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES			Sheet 2 of 2
Lat. 50 626.04	Elev. 5240.81	Dip -90°	94.18 m					Lat.	Elev.	Dip	HOLE No.
Dep. 49 897.58	Length 94.2m	Bearing —	306'					Dep.	Length	Bearing	T86-8

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
			Sample 42.71m - 43.24m = 0.53 = 0.31m		i/		T44	0.53 m	.74	.06	21.20	3.05	1.450
43.24m	52.50m		Altered Dale green andesite, quartz rich red hematitic blebs. green suite.										
52.50m	58.38m		Quartz vein and altered tuff in and out					53.79 - 54.04 Sample taken for medical overall assay					
			Sample 52.50 - 53.50m = 1.0m x 0.6.				T45	1.0 m	.60	.38	6.72	3.23	.331
			Sample 53.50 - 54.50m = 1m x 0.6				T46	1.0 m	.85	.80	6.08	5.22	.896
			Sample 54.50 - 55.50 = 1.m x 0.6				T47	1.0 m	.21	.34	.19	9.51	.023
			Sample 55.50 - 56.50				T48	1.0 m	.39	.01	.12	2.13	.013
			Sample 56.50 - 57.50				T49	1.0 m	.05	.01	.13	.15	.006
			Sample 57.50 - 58.38				T50	.88 m	.04	.14	.04	1.27	.024
58.38m	94.2m		Alternating green and maroon andesite green andesite pyritic Sample. 81.7 m - 81.80m. 10cm long sample to see if it carris gold.				T51	.10 m	.08	.02	.03	.24	.070
EOH													

DRILL LOG - 81

Date Jan 12, 1986 Logged By Gordon R Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collored	Date Completed	Core Size
JAN 11, 1986		NQ

FIELD CO-ORDINATES		
Lat 50 604.87	Elev 5293.12	Dip −90°
Dep 49,892.38	Length 96.9 m/318'	Bearing —

DIP TESTS	BEARING		ANGLE	
DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED

PROPERTY: DOME MOUNTAIN | PROJECT No.: BOULDER CK | N.T.S. No.: 93 L/10 E

SURVEYED CO-ORDINATES: Lat. | Elev. | Dip | Bearing | Dep. | Length

Sheet 1 of 2 | HOLE No.: T86-9

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
0.0m	1.82m	0%	No recovery, overburden										
1.82m	30.2m		Green Andesite, minor quartz ± calcite veinlets										
30.2m	70.0m		Maroon Andesite, med grained some minor quantities of green andesite quartz veinlets throughout										
70.0m	75.64		Altered maroon andesite, quartz blotches throughout.										
75.64	76.04		Quartz vein, pyrite, chalcopyrite minor galena ± sphalerite										
			sample 75.64 − 76.04 m				T52	.40	.60	.06	5.60	.85	.114
76.04m	79.84m		Altered maroon andesite, brecciated abundant quartz										
79.84m	81.36m		Quartz vein, abundant sulphide mineralization pyrite chalcopyrite with subordinate galena ± sphalerite										

DRILL LOG - 81

Date Jan 12, 1986 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	N.T.S. No.
Jan 11/86		NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome mtn	Boulder cr	93 L/10 E

FIELD CO-ORDINATES			SURVEYED CO-ORDINATES			Sheet
Lat 50604.87	Elev 5293.12	Dip -90	Lat.	Elev.	Dip	2 of 2
Dep 49892.38	Length 96.9	Bearing —	Dep.	Length	Bearing	HOLE No. T86-9

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
			Sample 79.84m - 80.84m				T53	1.0	.49	.14	.32	2.21	.456
			Sample 80.84 - 81.36m				T54	.52	.23	.19	.18	1.22	.513
81.36m	84.43m		Altered maroon andesite broken ground chloritic										
			pyritic QUARTZ VEIN 83.73 - 83.83m No sample.										
84.43m	85.27m		Altered tuff horizon pyritic										
			Sample 84.43 - 85.27m				T55	.84	.08	.01	.24	.25	.042
85.27m	96.9m E.O.H		maroon andesite with minor green andesite										

DRILL LOG - 81

Date _____ Logged By _____

C. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No	NTS No
		NQ		BEARING	ANGLE		DOME MOUNTAIN	BOULDER CK	93 L/10E
FIELD CO-ORDINATES			DEPTH	RECORDED / CORRECTED	RECORDED / CORRECTED		SURVEYED CO-ORDINATES		Sheet 1 of 2
Lat 50573.5	Elev 5246.4	Dip -90°	503.00'				Lat.	Elev.	Dip	HOLE No.
Dep 49869.5	Length 154.83m	Bearing —	157.83m				Dep	Length	Bearing	T86-10

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
0.0m	1.83m	0%	No recovery, Casing										
1.83m	78.4m		Alternating green and maroon andesite minor quartz & calcite veinlets										
78.4m	81.99m		Green Andesite with abundant quartz & calcite no sulphide.										
81.99m	94.0m		Alternating green and maroon Andesite minor Quartz & calcite veinlets.										
94.0m	106.38		Finely laminated green and Maroon tuff mainly maroon.										
106.38m	124.01m		Maroon andesite breccia, fragments up to 5cm in size.										
124.01	124.96m		Pyritic tuff pale maroon Sample 124.01 - 124.96m				5083	.95	.28	.01	.01	.18	.056
124.96	140.80m		Pale Maroon / cream tuff.										

DRILL LOG - 81

Date Jan 24, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS				PROPERTY Dome mtn		PROJECT No. Boulder ck	NTS No. 93 L/10E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 2 of 2
Lat 50573.5	Elev 5246.4	Dip -90	503.00'					Lat	Elev.	Dip	HOLE No.
Dep 49889.	Length 154.83	Bearing —	154.83m					Dep.	Length	Bearing	T86-10

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
140.80	141.81m		Pyritic Pale grey tuff Sample 140.80m - 141.81m				5084	1.01 m	.09	.01	.01	.11	.052
141.81m	142.64m		Quartz vein with minor tuff ≈10% sulphids mainly pyrite with minor sphalerite & galena.										
			Sample 141.81m - 142.64m				5085	.83 m	.02	.01	.01	.13	.293
142.64m	143.64m		Grey Quartz rich tuff Sample 142.64m - 143.64m				5086	1.0 m	.03	.01	.03	.08	.022
143.64m	154.83m		Pale maroon - Maroon Andesite										

DRILL LOG 81

Date 24/01/86 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
Jan 11, 1986	Jan 11, 1986	NQ

FIELD CO-ORDINATES		
Lat 50628.37	Elev 5233.17	Dip -45°
Dep 49916.94	Length 38.11m/125'	Bearing 14° Az

DIP TESTS				
DEPTH	BEARING		ANGLE	
	RECORDED	CORRECTED	RECORDED	CORRECTED

PROPERTY	PROJECT No.	N.T.S. No.
Dome Mountain	Boulder Ck	93 L/10 E

SURVEYED CO-ORDINATES			Sheet 1 of 1
Lat.	Elev.	Dip	HOLE No.
Dep.	Length	Bearing	T86-11

From	To	Recovery	(12° dip) Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
0.0m	3.05m	0%	No recovery, casing										
3.05m	22.33m	100%	Med - Pale green andesite, minor quartz veins < 3mm thick										
22.33m	23.47m	Low	Quartz vein, <5% sulphides, clay altered, pyrite, chalcopyrite with subordinate galena + sphalerite				23.35	- 2347 m			sample to metallurgy.	take...	for
			sample 22.33m - 2347m				T56	1.13 m	.21	1.40	1.82	1.77	.622
23.47	24.77m		Altered tuff, kaolinitic alteration										
			Sample 23.47-24.77				T57	1.33 m	.01	.01	.08	.01	.003
24.77m	38.11m E.OH		Macaw Andesite, with minor qtz and calcite veinlets.										
			38.11 @ -45° => 26.95										

DRILL LOG - 81

Date Jan 13, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
Jan 12, 1986	Jan 13, 1986	NQ

FIELD CO-ORDINATES		
Lat. 50626.37	Elev. 5233.17	Dip -90°
Dep. 49916.94	Length 45.73m/150'	Bearing —

DIP TESTS	BEARING		ANGLE	
DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED

PROPERTY: Dome Mountain

PROJECT No.: Boulder Ck

N.T.S. No.: 93 L/10 E

SURVEYED CO-ORDINATES

Lat.	Elev.	Dip
Dep.	Length	Bearing

Sheet 1 of 2

HOLE No.: T86-12

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
0.0m	1.83m	0%	Casing										
1.83m	8.53m		Pale green andesite, minor calcite & quartz veinlets										
8.53	8.86m		Quartz vein, low sulphide 0% < 20% no sample too thin										
8.86m	36.51m		Alternating maroon & green andesites minor calcite & quartz veinlets.										
36.51m	37.54m		Altered green andesite										
37.54	39.62m		In and out of quartz vein and altered green andesite										
			Sample 37.54 - 38.54				T58	1.0 m	.04	.07	.64	.14	.054
			38.54m - 39.62m				T59	1.06 m	.05	.02	.54	.10	.023
39.62m	39.78m		Altered maroon andesite										

DRILL LOG - 81

Date Jan 13, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
FIELD CO-ORDINATES		
Lat	Elev.	Dip
Dep	Length	Bearing

DIP TESTS

DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED

PROPERTY | PROJECT No. | N.T.S. No.

SURVEYED CO-ORDINATES

Lat.	Elev.	Dip
Dep.	Length	Bearing

Sheet 2 of 2

HOLE No.

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
34.78m	45.73m EOH		maroon andesite						

DRILL LOG - B1

Date Jan 13, 1986 Logged By Gordon Leask

Sheet T 66

NORANDA EXPLORATION COMPANY LTD.

Date Collored	Date Completed	Core Size
Jan 13, 1986	Jan 13, 1986	NQ

FIELD CO-ORDINATES		
Lat 50608.86	Elev 5226.85	Dip −45°
Dep 49937.88	Length 35.96m/118'	Bearing 014°A3

DIP TESTS	BEARING		ANGLE	
DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED

PROPERTY	PROJECT No	NTS No
DOME MOUNTAIN	BOULDER CK	93 L/10E

SURVEYED CO-ORDINATES		
Lat	Elev.	Dip
Dep.	Length	Bearing

Sheet 1 of 1

HOLE No. T86-13

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
0.0m	3.04m	0%	No recovery, casing										
3.04m	27.68m		Grey - pale green very fine grained, tuff/(andesite)										
27.68m	28.83m		Chloritized pyritic altered tuff, some foliation almost appears to be altered argillite Sample 27.68m - 28.83m.				T66	1.15m	.07	.06	.73	.27	.051
28.83m	29.93m		Quartz vein ≈ 15% sulphide sphalerite & moderate galena with majority of sulphide being pyrite, minor chalcopyrite, very fine grained sulphide				T67	1.10m	.45	1.06	1.24	3.69	.812
			Sample T67 28.83m - 29.93m										
29.93m	33.73m		Altered pale green andesite										
33.73m	35.96m EOH		Maroon andesite with quartz and calcite veinlets throughout.										
			35.96 @ -45° => -25.42										

DRILL LOG 81

Date Jan 14, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S. No.
Jan 13, 1986	Jan 13, 1986	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome Mountain	Boulder Ck	93 L/10 E

FIELD CO-ORDINATES			SURVEYED CO-ORDINATES			
Lat 50608.88	Elev 5226.85	Dip −90°	Lat	Elev.	Dip	Sheet 1 of 2
Dep 49937.88	Length 54.25 / 178	Bearing —	Dep	Length	Bearing	HOLE No. T86-14

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
0.0m	1.83m	0%	No recovery, casing										
1.83m	2438m	100%	Pale green andesite with some maroon fragments within minor quartz and calcite veinlets										
2438m	42.62m		Alternating green and maroon andesite, quartz filled vesicles										
42.62m	44.92m		Altered pale maroon tuff/andesite										
44.92m	48.01m		Quartz vein, abundant chalcopyrite pyrite and sphalerite minor galena.										
			Sample 44.92m-45.92m	44.92 - 45.92			T60	1.0 m	3.5	.16	1.39	6.37	.756
			45.92m - 46.92m	45.92 - 46.92			T61	1.0 m	1.7	.68	.73	5.91	1.162
			46.92m - 48.01m	46.92 - 48.01			T62	1.09 m	.66	.12	1.33	1.26	.213
48.01m	51.2m		Altered pale purple/andesite/tuff.										

T 102 2m

DRILL LOG 81

Date Jan 13, 198 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

7 60

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	N.T.S. No.
Jan 13/86	Jan. 13/86	NQ		BEARING	ANGLE		Dome MTN.	BOULDER CK	93 L/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED / CORRECTED	RECORDED / CORRECTED		SURVEYED CO-ORDINATES		Sheet 2 of 2
Lat 50608.88	Elev 5226.75	Dip					Lat.	Elev.	Dip	HOLE No.
Dep 49937.88	Length 5425m	Bearing	178°				Dep.	Length	Bearing	T86-14

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
5120m	5425m EOH		Maroon Andesite with minor quartz veinlets baron of sulphide.									

DRILL LOG - 81

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Stock T63

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No	N.T.S No
Jan 13, 1986	Jan 14, 1986	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	DOME MOUNTAIN	Boulder Ck	93L/10E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES		Sheet 1 of 2
Lat 50,641.37	Elev 5249.63	Dip -90						Lat	Elev.	Dip	HOLE No
Dep 49,860.20	Length 66.75m/219'	Bearing						Dep	Length	Bearing	T86-15

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag(oz/t)	Au(oz/t)
0.0m	4.88m	0 %	No recovery, overburden										
4.88m	10.36m	100%	green andesite, dark green coarse grained										
10.36m	40.85m		Alternating maroon and green andesite, minor quartz & calcite veinlets										
40.85m	50.0m		Pale green andesite moderately altered. red hematite blebs, minor fucite minor epidote										
50.0m	52.24m		Quartz vein abundant pyrite, chalcopyrite fine grained galena, fine grained sphalerite ± 10% sulphides										
			Sample T63 50.0m - 51.0m	50.0 - 51.0			T63	1.0 m	1.12	.50	2.38	6.93	.350
			Sample T64 51.0m - 52.0m abundant sphalerite	51.0 - 52.0			T64	1.0 m	.65	.76	1.96	3.68	.718
52.0m	52.24m	clay gouge	Sample T65 52.0m - 52.24m	52.0 - 52.24			T65	0.24 m	.32	.11	.19	.78	.145
52.24m	53.03m		Altered tuff, buff - light grey coloured ± silicified										

DRILL LOG #1

Date Jan 14, 1986 Logged By Gordon Lewis

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S. No.
Jan. 13/86	Jan 14/86	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome Mountain	BOULDER CK	93 L/10 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES		Sheet 2 of 2
Lat. 50641.39	Elev. 5249.63	Dip -90°						Lat.	Elev.	Dip
Dep. 49860.20	Length 66.75m	Bearing —						Dep.	Length	Bearing

HOLE No.
T86-15

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
53.03m	66.75m		Alternating maroon and green andesites.									

DRILL LOG #1

Date Jan 14, 1986 Logged By Gordon Leask

Start 70

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
Jan 14, 1986	Jan 15, 1986	NQ

FIELD CO-ORDINATES		
Lat 50647.93	Elev 5251.37	Dip -45°
Dep 49833.94	Length 32.92m/108'	Bearing 014° Az

DIP TESTS				
DEPTH	BEARING		ANGLE	
	RECORDED	CORRECTED	RECORDED	CORRECTED

PROPERTY	PROJECT No	N.T.S. No
DOME MOUNTAIN	BOULDER CR	93L/10E

SURVEYED CO-ORDINATES			Sheet 1 of 2
Lat	Elev	Dip	HOLE No.
Dep	Length	Bearing	T86-16

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t
00m	4.87m	0%	NO recovery casing										
4.87m	11.89m		maroon andesite with quartz & calcite veinlets < 2mm thick generally										
11.89m	18.9m		Alternating green and maroon andesite										
18.9m	24.03m		Pale green andesite with some minor amounts of pyrite within veinlets < ½% sulphides										
24.03m	26.60m		Quartz vein, ≈ 15% sulphides, high in zinc, chalcopyrite, looks like good high grade ≈ true thickness										
			Sample T70 24.03m - 25.03m				T70	1.0 m	1.39	.35	16.6	3.69	1.020
			Sample T71 25.03m - 26.03m				T71	1.0 m	1.53	.79	6.80	6.49	.994
			Sample T72 26.03m - 26.60m				T72	0.53 m	1.07	.41	1.36	9.87	.390
26.60m	27.93m		Altered andesite with minor pyrite Sample T73 26.60 - 27.93m				T73	1.33	.05	.07	.16	.36	.050

DRILL LOG - 81

Date Jan 15, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No
Jan 14, 1986	Jan 14, 1986	NQ						Dome Mountain		Boulder Ck.	93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 2 of 2
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat 50 647.93	Elev 5251.37	Dip -45						Lat.	Elev.	Dip	HOLE No.
Dep 49 833.94	Length 32.72	Bearing [0:4]						Dep.	Length	Bearing	T86-16

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
27.93m	32.92m		Maroon andesite some quartz veinlets, brecciated									
	E.O.H		[illegible]									

DRILL LOG 81

Date Jan 15, 1986 Logged By Gordon Leask

Sheet 1 of 2

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
Jan 14, 1986	Jan 14, 1986	NQ

FIELD CO-ORDINATES		
Lat 50 647.93	Elev 5251.37	Dip -90
Dep 49 833.94	Length 45.41m/149'	Bearing -

DIP TESTS	BEARING		ANGLE	
DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED

PROPERTY	PROJECT No	N.T.S No
Dome Mountain	BOULDER CK	93 L/10 E

SURVEYED CO-ORDINATES			
Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing	T86-17

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag(oz/t)	Au(oz/t)
0.0m	1.83m	0%	No recovery, Casing										
1.83m	12.69m	100%	Alternating green and maroon andesite, quartz & calcite veinlets										
12.69m	21.83m		Dark maroon Andesite										
21.83m	28.88m		Alternating pale green and pale maroon andesite										
28.88m	33.53m		Altered pale maroon and pale green andesites, chloritic, and epidotized										
35.53	35.88m		narrow quartz rich andesite with pyrite no sample too Thin										
35.83m	38.59m		Altered pale green andesite quartz rich sparse pyrite in minor veinlets										
38.59	39.95m		Quartz vein low Sulphide % fine grained pyrite with minor sphalerite and chalcopyrite	38.59 - 39.59 39.59 - 39.95				Results recorded on page 2 of this log. (over)					

DRILL LOG 81

Date Jan 14, 1986 Logged By Gordon P. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
Jan 14, 1986	Jan 14, 1986	NQ

FIELD CO-ORDINATES		
Lat 50 647.93	Elev 5251.37	Dip −90°
Dep 99 833.94	Length 45.41m	Bearing —

DIP TESTS				
DEPTH	BEARING		ANGLE	
	RECORDED	CORRECTED	RECORDED	CORRECTED

PROPERTY: Dome Mountain

PROJECT No.: BOULDER CK

N.T.S. No.: 93 L/10 E

SURVEYED CO-ORDINATES

Lat	Elev.	Dip
Dep	Length	Bearing

Sheet 2 of 2

HOLE No.: T86-17

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
			Sample T68 38.59m - 39.59m				T68	1.0 m	.21	.08	.60	1.15	.875
			Sample T69 39.59m - 39.95m				T69	0.36 m	0.36	.03	.07	.27	.110
39.95m	45.41m		Maroon andesite, minor thin quartz and calcite veinlets										
	E.O.H												

DRILL LOG #1

Date Jan 15, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
Jan 15, 1986	Jan 15, 1986	NQ

FIELD CO-ORDINATES

Lat 50651.41	Elev 5253.29	Dip -45°
Dep 49 811.25	Length 38.41m/126'	Bearing 011° Az (14°?)

DIP TESTS

DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED

PROPERTY	PROJECT No	N.T.S. No
Rose Mountain	Boulder Ck	93 L/10 E

SURVEYED CO-ORDINATES

Lat.	Elev.	Dip	Sheet 1 of 1
Dep.	Length	Bearing	HOLE No. DDH T86-18

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
0.0m	7.93m	0%	no recovery, casing										
7.93m	13.41m		Alternating pale green & pale maroon andesite 13.11m rusty weathering andesite										
13.41m	19.72m		maroon andesite, minor thin quartz and calcite veinlets										
19.72m	25.04m		Pale grey altered maroon andesite quartz blotches minor fucite, red hematite blebs, minor <1% pyrite										
25.04m	26.50m		Quartz vein, pyrite, chalcopyrite with minor sphalerite & galena										
			Sample 25.04m - 26.04m				5001	1.0 m	1.44	.33	1.27	5.94	1.320
			Sample 26.04m - 26.50m				5002	.96 m	.75	.06	.08	1.68	.938
26.50m	38.41m		Dark maroon Andesite										
	E.O.H.		38.41 M @ -45° => 27.16 HZ										

DRILL LOG #1

Date Jan 17, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
Jan 16, 1986	JAN 16, 1986	NQ

FIELD CO-ORDINATES		
Lat 5065.44	Elev 5253.29	Dip −90°
Dep 4981.25	Length 22.67m/ 140'	Bearing —

DIP TESTS				
DEPTH	BEARING		ANGLE	
	RECORDED	CORRECTED	RECORDED	CORRECTED

PROPERTY	PROJECT No.	N.T.S No.
Dome mountain	Boulder Ck	93 L/10 E

SURVEYED CO-ORDINATES			
Lat.	Elev.	Dip	Sheet 1 of 2
Dep.	Length	Bearing	HOLE No. F86-19

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
0.0m	5.49m	0%	No recovery, casing										
5.49m	8.64m		Maroon andesite minor quartz and calcite veinlets										
8.64m	9.80m		pale green quartz rich andesite										
9.80m	28.35m		Dark Maroon Andesite some vesicular sections										
28.35m	34.78m		Pale green Altered andesite, abundant chlorite and epidote. some red hematitic blebs										
34.78m	38.89m		Quartz vein, mainly pyrite with minor chalcopyrite galena, and sphalerite <2% minor bornite, some portions up to 70% sulphide										
			chloritic and epidote rich										
			Sample 34.78m - 35.78m High % sulphides				5003	1.0 m	1.04	.17	.12	4.30	.632
			Sample 35.78m - 36.78m med % sulphides				5004	1.0 m	.76	1.09	.37	6.93	.790
			Sample 36.78m - 37.78m 2 low sulphides				5005	1.0 m	.06	.05	.03	.49	.201

DRILL LOG 81

Date Jan 17, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S. No.
Jan 16, 1986	JAN 16 1986	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome Mountain	Boulder Ck	93 L/10 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES		Sheet 2 of 2
Lat 50 651.44	Elev 5253.29	Dip −90°						Lat	Elev	Dip	HOLE No.
Dep 49,811.25	Length 42.67m	Bearing —						Dep	Length	Bearing	T86-19

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag oz/t	Au oz/t
			Sample 37.78m - 38.89m low 2 sulphides				5006	1.11m	.08	.02	.02	.27	.010
38.89m	39.62m		Kaolinized pale maroon andesite.										
39.62m	42.67m		Maroon andesite										

DRILL LOG - 81

Date Jan 17, 1986 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No	NTS No
Jan 16, 1986	JAN 15 1986	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	DOME MOUNTAIN	BOULDER CK.	93 L/10E
FIELD CO-ORDINATES							SURVEYED CO-ORDINATES		Sheet 1 of 2
Lat 50661.45	Elev 5253.93	Dip -45°					Lat	Elev	Dip	HOLE No.
Dep 49792.41	Length 26.83m/88'	Bearing 11° Az (14°?)					Dep	Length	Bearing	T86-20

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
0.0m	9.15m	0%	No recovery / casing										
9.15m	16.15m		Pale brown - Pale grey andesite weathered out in spots lower 2m are altered and have epidote & chlorite & biotite present										
16.15m	17.68m		Altered Andesite, Quartz rich, pyritic										
			Sample 16.15m - 17.15m				5007	1.0 m	.04	.01	.33	.10	.020
			Sample 17.15m - 17.68m				5008	0.53 m	.02	.01	.32	.09	.018
17.68m	18.58m		Quartz vein, Pyrite with minor chalcopyrite < 1% sulphides										
			Sample 17.68 - 18.58m				5009	1.0 m	2.97	.11	1.24	2.35	.288
18.58m	20.43m		Pale grey Andesite										

DRILL LOG - 81

Date Jan 17, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No	N.T.S No
Jan 16, 1986	Jan 16 1986	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome MOUNTAIN		BOULDER CK	93 L/16 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES			Sheet 2 of 2
Lat 50661.45	Elev 5253.93	Dip -45°						Lat	Elev.	Dip	HOLE No.
Dep 49792.41	Length 26.83m	Bearing [011]						Dep	Length	Bearing	T86-20

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
20.43m	26.83m E.O.H.		Maroon Andesite with minor quartz and calcite veinlets						
			26.83m @ -45° Azi = 18.47m N2						

DRILL LOG 81

Date Jan 17, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
Jan 16, 1986	Jan 16, 1986	NQ

FIELD CO-ORDINATES		
Lot 50C 11.45	Elev 5253.93	Dip −90°
Dep 49 792.91	Length 42.67m/140'	Bearing —

DIP TESTS	DEPTH	BEARING		ANGLE	
		RECORDED	CORRECTED	RECORDED	CORRECTED

PROPERTY	PROJECT No.	N.T.S No.
DOME MOUNTAIN	BOULDER CK	93 L/10 E

SURVEYED CO-ORDINATES			
Lot	Elev.	Dip	Sheet 1 of 1
Dep.	Length	Bearing	HOLE No. T86-21

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
0.0m	5.49m	0%	No recovery, casing										
5.49m	26.17m		Maroon and dark grey - maroon Andesite minor quartz & calcite veinlets										
26.17m	29.32m		Altered Pale Maroon Andesite, chloritic and epidotized minor fracture.										
29.32m	31.08m		Quartz vein / Altered maroon Andesite low sulphide 0% < 2% pyrite only not to much massive Quartz										
			Sample 29.32m - 30.32m				5010	1.0 m	.06	.09	.14	.35	.055
			Sample 30.32m - 31.08m				5011	0.76 m	.03	.01	.02	.15	.039
31.08m	31.65m		Altered chloritic Pale Maroon Andesite										
31.65m	42.67m		Maroon Andesite Minor Quartz & Calcite Veinlets 33.53m - 34.85m broken ground calcite cemented										
	E.OH.												

DRILL LOG 81

Date Jan 17, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
JAN 16, 1986	JAN 17, 1986	NQ						DOME MOUNTAIN		BOULDER CK	93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 1 of 1
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat. 50 668.48	Elev. 5254.85	Dip -45°						Lat.	Elev.	Dip	HOLE No.
Dep. 49 773.98	Length 26.83m/88'	Bearing 11° Az						Dep.	Length	Bearing	T86-22

From	To	Recovery	Description (14° Az | -45°)	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
0.0m	10.98m	0%	No recovery, casing										
10.98m	13.83m		Pale green rusty weathering quartz rich andesite, fractures are rusty weathering										
13.83m	16.26m		Quartz vein, abundant pyrite, with ± 10% sphalerite minor chalcopyrite & sphalerite, galena close to surface some fractures are.										
			Oxidized Sample 13.83m - 14.83m				5012	1.0 m	.86	.10	.18	1.73	.512
			Sample 14.83m - 15.83m				5013	1.0 m	.79	.14	.14	3.47	.092
			Sample 15.83m - 16.26m				5014	0.43 m	.17	.03	.02	.45	.042
16.26m	20.13m		Pale green and maroon andesite										
20.13	26.82m E.O.H.		Maroon Andesite with minor quartz & calcite veinlets										
			26.82m E. 15° N. ⇒ 18.96m HZ.										

DRILL LOG #1

Date Jan 17, 1986 Logged By Gordon Keask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
JAN 16, 1986	JAN 15 1986	NQ

FIELD CO-ORDINATES

Lat 50 06 8.48	Elev 5254.85	Dip −90°
Dep 49 733.98	Length 33.53m	Bearing —

DIP TESTS

DEPTH	BEARING		ANGLE	
	RECORDED	CORRECTED	RECORDED	CORRECTED

PROPERTY	PROJECT No.	N.T.S. No
DOME MOUNTAIN	BOULDER CK	93 L 10/E

SURVEYED CO-ORDINATES

Lat	Elev.	Dip	Sheet 1 of 1
Dep.	Length	Bearing	HOLE No. T86-23

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
0.0m	8.54m	0%	No recovery, Casing										
8.54m	12.0m	100%	Dark Maroon andesite, with minor calcite and quartz veinlets										
12.0m	15.24m		Alternating fine grained pale green and maroon andesite.										
15.24m	22.63m		Very fine grained grey & pale green dacite tuff.										
22.63m	26.62m		Quartz vein, Sulphide is predominately pyrite with subordinate galena and sphalerite										
			Sample 22.63m - 23.63m				5015	1.0 m	.49	.12	.11	2.66	.564
			Sample 23.63, 24.63m				5016	1.0 m	.10	.05	.09	.63	.085
			Sample 24.63m - 25.63m				5017	1.0 m	.15	.02	.03	.67	.093
			Sample 25.68m - 26.62m				5018	.99 m	.58	.37	.14	3.39	.583
			Sample 26.62m - 27.62m				5019	1.00 m	.20	.05	.11	.84	.152
26.62m	33.53m E.O.H		Fine - Med grained dale green & pale maroon andesite										

DRILL LOG #1

Date JAN 17 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
Jan 17, 1986	JAN 17, 1986	NQ

FIELD CO-ORDINATES		
Lat 50569.11	Elev 222.66	Dip −45°
Dep 99957.21	Length 69.8m/229'	Bearing 30° Az (35° Az)

DIP TESTS

DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED

PROPERTY	PROJECT No.	N.T.S. No.
DOME MOUNTAIN	BOULDER CK.	93 L/10 E

SURVEYED CO-ORDINATES			
Lat.	Elev.	Dip	Sheet 1 of 2
Dep.	Length	Bearing	HOLE No. T86-24

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
0.0m	5.49m	0%	No recovery, casing										
5.49m	53.73m		Silicified green andesite, some chert nodules, brecciated										
			Sample 5020 22.98m - 23.07m				5020						
			Cut section analyje rock, chart breccia										
53.73m	61.67m		Pale green fine grained Andesite with quartz vein										
			53.73 - 53.99 Qv.										
			53.99m - 55.2m Pale green Andesite										
			55.2m - 56.14m Quartz vein, mainly Pyrite with minor galena, sphalerite										
			56.14m - 59.03m Pale green altered andesite										
			59.03 - 61.67 QUARTZ VEIN										
			Sample 53.73 - 53.99m				5021	.26m	.08	.09	.15	1.02	.55
			Sample 53.99 - 55.2m				5022	1.21m	.02	.01	.19	.05	.005
			Sample 55.2m - 56.14m				5023	.94m	.03	.03	1.28	.16	.074
			Sample 56.14m - 57.14m				5024	1.0m	.01	.01	.03	.01	.001

DRILL LOG - 81

Date Jan 19, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	N.T.S. No
Jan 17/86	Jan 17/86		DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome Mountain	Boulder Ck	93 L/10 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES		Sheet 2 of 2
Lat 50569.11	Elev 222.66	Dip -45°						Lat.	Elev.	Dip	HOLE No.
Dep 49957.21	Length 69.8m	Bearing (030)						Dep.	Length	Bearing	T86-24

From	To	Recovery	(035)? Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
			Sample 57.14m - 58.14m				5025	1.0 m	.01	.01	.61	.02	.001
			Sample 58.14m - 59.03m				5026	.89 m	.01	.01	.04	.01	.001
			Sample 59.03m - 60.03m				5027	1.0 m	.15	.01	1.90	.60	.041
			Sample 60.03m - 61.03 m				5028	1.0 m	.02	.01	.83	.15	.023
			Sample 61.03 - 61.67m				5029	.64m	.05	.01	.21	.50	.053
61.67m	62.83m		Pale Maroon Andesite										
62.83m	69.8m E.O.H.		Maroon Andesite.										
			69.8M @ -45° = 49.35M										

DRILL LOG 81

Date Jan 19, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No	N.T.S. No
Jan 19, 1986	Jan 18, 1986	NQ		BEARING		ANGLE		Dome Mtn	Boulder Ck	93 L/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES		Sheet 1 of 2
Lat 50569.11	Elev 5222.66	Dip -70°						Lat.	Elev.	Dip	HOLE No.
Dep 49957.21	Length 78.96m/259'	Bearing 035° Az						Dep.	Length	Bearing	T86-25

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
0.0m	4.27m	0%	No recovery, overburden										
4.27m	38.4m		Very fine grained green andesite breccia Some chert clasts ⇒ see what assay from T86-24 shows.										
38.4m	46.27m		Coarse grained green andesite with minor calcite veinlets										
46.27m	48.0m		Maroon Andesite, coarse grained with minor quartz & calcite veinlets										
48.0m	55.50m		Alternating green and maroon coarse grained andesite with red hematitic blebs.										
55.50m	67.20m		Altered green foliated andesite, chlorite and epidote rich, interbanded with quartzite abundant pyrite & sphalerite with minor galena & chalcopyrite in QV section.										
			Sample 55.50m - 56.50m				5030	1.0 m	.01	.01	.14	.02	.001
			56.50 - 57.50m				5031	1.0 m	.01	.01	.01	.01	.001

DRILL LOG - 81

Date Jan 19, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY		PROJECT No.	N.T.S. No.
Jan 18/86	Jan 18/86	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome Mountain	Bowl Derek	93 L/10E

FIELD CO-ORDINATES			SURVEYED CO-ORDINATES			Sheet 2 of 2
Lat. 50569.11	Elev. 5222.66	Dip -70°	Lat.	Elev.	Dip	HOLE No. T86-25
Dep. 49,957.21	Length 78.96	Bearing [035]	Dep.	Length	Bearing	

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
			Sample 57.50m - 58.50m				5032	1.0 m	.01	.01	.01	.02	.001
			Sample 58.50m - 59.50				5033	1.0 m	.01	.01	.01	.04	.001
			Sample 59.5 - 60.5m				5034	1.0 m	.01	.01	.03	.03	.001
			Sample 60.5 - 61.5 m				5035	1.0 m	.34	.02	.47	1.03	.181
			Sample 61.5 - 62.5m				5036	1.0 m	.65	.21	4.14	2.63	.139
			Sample 62.5 - 63.5m				5037	1.0 m	.13	.06	1.15	.71	.096
			Sample 63.5 - 64.5m				5038	1.0 m	.03	.01	.86	.13	.013
			Sample 64.5 - 65.5m				5039	1.0 m	.13	.19	3.40	1.01	.304
			Sample 65.50m - 66.50m				5040	1.0 m	.12	.01	2.61	.29	.074
			Sample 66.50 - 67.20m				5041	.70 m	.01	.01	.03	.03	.022
67.2m	78.96m E.O.H		Maroon andesite with minor quartz & calcite veinlets.										
			78.96 m @ -70° ⇒ 27.0 m. HZ.										

DRILL LOG 81

Date Jan 19, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No	N.T.S. No
Jan 18, 1986	Jan 19, 1986	NQ						DOME MOUNTAIN	BOULDER CK	93 L/10 E

FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet
				RECORDED	CORRECTED	RECORDED	CORRECTED				1 of 3
Lat 50569.11	Elev 5222.66	Dip −90°						Lat	Elev.	Dip	HOLE No.
Dep 49,957.21	Length 111.5m/366'	Bearing —						Dep.	Length	Bearing	T86-26

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
0.0m	4.88m	0%	no recovery, casing									
4.88m	27.43m		Dense green andesite, with minor chert breccia fragments.									
27.43m	30.48m		Alternating green and maroon Andesite with quartz amygdaloids and minor quartz and calcite veinlets									
30.48m	51.2m		Green Andesite with very minor % of maroon andesite, abundant quartz & calcite veinlets									
51.2m	69.8m		Intermixed green and maroon andesite quartz and calcite veinlets in both quartz filled amygdaloids.									
69.8m	76.83m		Maroon andesite, quartz & calcite veinlets Prominant quartz filled amygdaloids									
76.83	77.57m		Green andesite, coarse grained, contains minor quartz vein ≈ 4-8cm thick with pyrite & chalcopyrite no sample too thin									
77.57m	84.63m		Maroon andesite with abundant quartz veinlets, slightly vesicular in places									

DRILL LOG 81

Date 20/01/86 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S. No.
18/01/86	15/01/86	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	DOME MOUNTAIN	BOULDER CK	93 L/10E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES		Sheet 2 of 3
Lat 5222.66	Elev 5222 66	Dip -90						Lat.	Elev.	Dip
Dep 49 957.21	Length 111.5m	Bearing —						Dep	Length	Bearing

HOLE No. T86-26

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
84.62m	92.62		Altered tuff/Quartz vein throughout tuff is pyritic, pale pink in colour quartz vein mainly pyrite with minor sphalerite : galena										
			Sample 84.62 - 85.62m				5042	1.0 m	.03	.01	.02	.05	.001
			Sample 85.62 - 86.62m				5043	1.0 m	.16	.19	1.31	.89	.182
			Sample 86.62m - 87.62m				5044	1.0 m	.09	.01	.67	.31	.024
			Sample 87.62m - 88.62m				5045	1.0 m	.01	.01	.03	.04	.002
			Sample 88.62m - 89.62m				5046	1.0 m	.01	.01	.04	.05	.014
			Sample 89.62m - 90.62m				5047	1.0 m	.04	.01	.02	.10	.004
			Sample 90.62m - 91.62m				5048	1.0 m	.19	.01	.02	.08	.001
			Sample 91.62m - 92.62m				5049	1.0 m	.08	.01	.02	.04	.002
92.62m	108.3m		Pale Maroon - Maroon coloured andesite.										
108.3m	109.91m		Dark green vesicular andesite										

DRILL LOG - 81

Date 20/01/86 Logged By G.L.cash

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S No
18/01/86	19/01/86	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	DOME MOUNTAIN	BOULDER CK	93 L/10 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES		Sheet 3 of 3
Lat 50569.11	Elev 5222.66	Dip -90						Lat.	Elev.	Dip
Dep 99957.21	Length 111.5	Bearing -						Dep.	Length	Bearing

HOLE No.
T86-26

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
109.9m	111.5m		Maroon Andesite with minor quartz & calcite veinlets									
	E.O.H.											

DRILL LOG - 81

Date 20/01/86 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
19/01/86	20/01/86	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	DOME MOUNTAN		BOULDER CK.	93 L/10 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES			Sheet 1 of 3
Lat.	Elev.	Dip −75°						Lat.	Elev.	Dip	HOLE No.
Dep	Length 176.46m/578.79'	Bearing 10°A3						Dep.	Length	Bearing	T86-27

where is this data ?

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
0.0m	2.44m	0%	No recovery, casing										
2.44m	23.88m		Green Andesite, coarse grained with quartz veinlets and amygdaloids										
23.88	24.08m		Calcite vein, chloritic very low sulphide % no sample too thin										
24.08m	31.42m		Green Andesite with quartz & calcite veinlets										
31.42m	33.13m		Quartz vein, pyrite with minor galena and sphalerite.										
			Sample 31.42m-32.42m				5050	1.0 m	.55	.14	7.77	1.57	.405
			Sample 32.42m-33.13m				5051	.71	.14	.04	4.69	.55	.169
33.13m	39.32m		green Andesite with minor quartz & calcite veinlets										
39.32m	75.85m		Maroon andesite of varying shades Some epidote rich zones, red hematitic blotches										

DRILL LOG - 81

Date 20/01/86 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No
Jan 19/86	Jan 20/86	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	DOME MOUNTAIN		BOULDER CK	93 L/10 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES			Sheet 2 of 3
Lat	Elev	Dip -75°						Lat.	Elev.	Dip	HOLE No.
Dep	Length 176.46m	Bearing [010]						Dep.	Length	Bearing	T86-27

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
75.85m	103.32m		Alternating Green and maroon andesite.										
103.32m	123.33m		Maroon tuff, with very thin green tuff										
123.33m	155.70m		Alternating green and maroon andesite breccia, clasts up to 3-4cm across true pyroclastics, mainly maroon.										
155.70	157.75m		Altered (pale) maroon breccia										
157.75m	158.75m		Altered maroon tuff, with minor individual pyrite cubes Sample 157.75m - 158.75m				5053	1.0 m	.16	.01	.05	.75	.035
158.75m	159.75m		Quartz vein, ≈ 10% sulphide, mainly pyrite, minor < 1% galena + sphalerite Sample 158.75m - 159.75m				5054	1.0 m	.56	.02	.05	.93	.136
159.75m	160.75m		Altered pale maroon tuff < 1% pyrite Sample 159.75m - 160.75m				5055	1.0 m	.01	.01	.01	.01	.004
160.75m	163.9m		Pale maroon andesite, with minor quartz + calcite veinlets										

DRILL LOG - B1

Date Jan 23, 1986 Logged By Gordon P Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
Jan 19/86	Jan. 20/86	NQ						DOME MOUNTAIN		BOULDER CK	93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 3 of 3
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat.	Elev	Dip -75°						Lat.	Elev	Dip	HOLE No.
Dep.	Length 176.46 m	Bearing [010]						Dep.	Length	Bearing	T86-27

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag oz/t	Au oz/t
163.90m	169.82m		Pale Green and maroon andesite fine grained.										
169.82m	170.82		Pyritic tuff, pale maroon Sample 169.82m - 170.82m				5056	1.0 m	.12	.01	.02	.24	.009
170.82	171.82	70%	Quartz vein, clay gouge at bottom Sample 170.82 - 171.82m				5057	1.0 m	.09	.11	.05	.75	.038
171.82	172.82m		Pyritic tuff, pale green Sample 171.82m - 172.82m				5058	1.0 m	.01	.01	.10	.01	.003
172.82	176.46 E.OH.		GREEN & Maroon Andesites.										

DRILL LOG #1

Date 23/01/86 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S No.
Jan 21, 1986	Jan 22, 1986	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	DOME MOUNTAIN		BOULDER CK	93 L/10E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES			Sheet 1 of 3
Lat	Elev	Dip −90°						Lat.	Elev.	Dip	HOLE No.
Dep	Length 243.9m/800'	Bearing —						Dep	Length	Bearing	T86-28

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
0.0m	1.83m	0%	No recovery, casing									
1.83m	80.34m	100%	Alternating green and Maroon Andesite minor quartz & calcite veinlets Some minor veinlets are epidote rich.									
80.34m	101.93m		Maroon Volcanici tuff with minor green volcanic tuff component Very thinly bedded									
			Core to bedding Angle 32°									
101.93m	146.36m		Green and Maroon Andesite Pyroclastic Breccia fragments up to 5cm across									
146.36m	158.49m		Green and Maroon andesite Brecciated Pyroclastic / with tuff interbeds									
158.49	165.19m		Maroon and Green tuff / fine grained andesite minor quartz & calcite veinlets									

DRILL LOG - 81

Date 24/01/86 Logged By G. Least

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S. No.
Jan 21/86	Jan 22/86	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome Mountain	Boulder Ck	93 L/10 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES		Sheet 2 of 3
Lat	Elev	Dip -90						Lat	Elev	Dip	HOLE No.
Dep	Length 243.9 m	Bearing —						Dep	Length	Bearing	T86-28

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
165.19	166.19		Pyritic Pale green Andesite/tuff? fine grained										
			Sample 165.19m - 166.19m				5078	1.0 m	.03	.29	.22	.15	.006
166.19m	166.72m		Pyritic pale green/grey tuff Sample 166.19m - 166.72m				5079	.53 m	.01	.05	.07	.05	.004
166.72m	172.0m		green & Maroon Andesite minor quartz & calcite veinlets					5.28 m	← not		sampled	→	
172.0m	173.0m		Pale grey - Pale maroon tuffs pyritic <2% Sulphides Sample 172.0m - 173.0m				5080	1.0 m	.01	.01	.02	.01	.001
173.0m	174.0m		Quartz veins ~ 15% sulphides galena, chalcopyrite sphalerite										
			Sample 173.0m - 174.0m				5081	1.0 m	.61	.19	.10	5.04	.730
174.0m	175.0m		Pale maroon/Pale grey pyritic tuffs clay gouge some maroon andesite Sample 174.0m - 175.0m				5082	1.0 m	.01	.01	.02	.01	.002

DRILL LOG - 81

Date 24/01/86 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
Jan 21/86	Jan 22/86	NQ						Dome Mountain		Boulder Ck	93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 3 of 3
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip -90						Lat	Elev.	Dip	HOLE No.
Dep	Length 243.9 m	Bearing -						Dep.	Length	Bearing	T86-28

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
175.0m	243.9m		Alternating green and maroon andesites									
	E.O.H.											

DRILL LOG - 81

Date 24/01/86 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
Jan 22/86	Jan 23, 1986	NQ

FIELD CO-ORDINATES		
Lat	Elev	Dip −45°
Dep	Length 49.17m/158'	Bearing 035°

DIP TESTS				
DEPTH	BEARING		ANGLE	
	RECORDED	CORRECTED	RECORDED	CORRECTED

PROPERTY	PROJECT No.	N.T.S. No.
DOME MOUNTAIN	BOULDER CK	93 L/10 E

SURVEYED CO-ORDINATES		
Lat.	Elev.	Dip
Dep	Length	Bearing

Sheet 1 of 1

HOLE No. T86-29

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
0.0m	15.24m	0%	No recovery casing										
15.24m	33.81m		Green chloritized tuff minor quartz & calcite veinlets, with some chert nodules at ± 20m										
33.81m	34.75m		Silicified breccia, minor pyrite Sulphides Sample 33.81 - 34.75m				5059	.94 m	.01	.01	.02	.01	.001
34.75m	35.96		Gacey chloritic Tuff. Sample 34.75m - 35.96m				5060	1.21 m	.01	.01	.09	.01	.001
35.96	37.00m		Quartz Vein, Very high Sulphide % age ≈ 50% mainly sphalerite and gn pyrite Sample 35.96 - 37.00				5061	1.04 m	.27	.55	5.72	3.11	1.180
37.00	38.00m		Green tuff Sample 37.00m - 38.00 m				5062	1.0 m	.01	.01	.05	.05	.002
38.00	48.17m		Green and Maroon andesite minor quartz & calcite veinlets										

36.50 - 36.55 - 5cm sample taken for predictive metallurgy

DRILL LOG 81

Date Jan 24, 1986 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
23/01/86	23/01/86	NQ

FIELD CO-ORDINATES

Lat	Elev	Dip
		-70°
Dep	Length	Bearing
	72.56m/238'	35°Az

DIP TESTS

DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED

PROPERTY	PROJECT No.	N.T.S. No.
DOME MOUNTAIN	BOULDER CK.	93 L/10E

SURVEYED CO-ORDINATES

Lat	Elev.	Dip
Dep	Length	Bearing

Sheet 1 of 3

HOLE No. T86-30

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
0.0m	9.15m	0%	No recovery, Casing										
9.15m	34.05m		Pale green fine grained Andesite/tuff										
34.05m	35.05m		Pale green tuff Sample 34.05m - 35.05m				5063	1.0 m	.02	.04	.70	.05	.015
35.05m	35.97m		Quartz vein, Abundant coarse grained sphalerite and pyrite 30% sulphides										
			Sample 35.05m - 35.97m				5064	.92 m	.07	.52	1.82	.65	.162
35.97m	37.49m		Pale green tuff Sample 35.97 - 37.49m				5065	1.52 m	.01	.01	.02	.01	.001
37.49	41.43 m		green Andesite minor quartz and calcite veinlets					3.94 m		not	sampled.		
41.43	42.43m		dark green tuff Sample 41.43 - 42.43m				5066	1.0 m	.01	.01	.36	.01	.001

DRILL LOG 81

Date Jan 29, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	N.T.S No
Jan 23/86	Jan. 23/86	NQ		BEARING	ANGLE		Dome Mountain	Boulder Ck	93 L/10E
FIELD CO-ORDINATES			DEPTH	RECORDED / CORRECTED	RECORDED / CORRECTED		SURVEYED CO-ORDINATES		Sheet 2 of 3
Lat	Elev	Dip -70°					Lat.	Elev.	Dip	HOLE No.
Dep	Length 72.56 m	Bearing (035)					Dep.	Length	Bearing	T86-30

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
42.43m	43.33m		Quartz Vein, chloritic & epidote rich Low sulphide % Sample 42.43 - 43.33m				5067	.90 m	.05	.14	.81	.16	.009
43.33	44.33		green Andesite Minor quartz & calcite Blotches Sample 43.33 - 44.33m				5068	1.0 m	.02	.01	.44	.01	.001
44.33	49.71m		Green and maroon Andesite.					5.38 m	not		sampled	→	
49.71m	50.61m		green andesite, Sample 49.71m - 50.61m				5069	.90 m	.01	.01	.01	.01	.001
50.61	53.00		Quartz Vein epidote rich, chloritic sulphides mainly pyrite < 5% overall.										
			Sample 50.61m - 52.0 m				5070	.39 m	.08	.05	2.53	.39	.206
			Sample 52.0m - 53.0m				5071	1.0 m	.07	.03	2.67	.17	.183
53.0m	54.0m		green Andesite Sample 53.0m - 54.0m				5072	1.0 m	.02	.01	.09	.03	.022

DRILL LOG - 81

Date 24/01/86 Logged By G.L Cask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	N.T.S. No.
Jan 23/86	Jan 23/86	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome Mountain	Boulder Ck	93 c/10 E
FIELD CO-ORDINATES							SURVEYED CO-ORDINATES		Sheet 3 of 3
Lat	Elev	Dip -70°					Lat.	Elev.	Dip	HOLE No.
Dep	Length 72.56 m	Bearing 035					Dep	Length	Bearing	T86-30

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
54.0m	62.8m		green & Maroon Andesite										
62.80m	64.02m		Pale green Andesite										
64.02	64.41m		Pale green tuff Sample 64.02m - 64.41m				5073	.39 m	.01	.01	.02	.01	.001
64.41	65.41m		Quartz vein with Altered grey tuff Sample 64.41 - 65.41m				5074	1.0 m	.09	.04	.05	.55	.024
65.41m	66.41m		Pyritic tuff /grey Sample 65.41 - 66.41m				5075	1.0 m	.03	.01	.04	.03	.008
66.41m	67.41m		Pyritic tuff /grey Sample 66.41m - 67.41m				5076	1.0 m	.01	.01	.01	.01	.002
67.41	67.86m		Pyritic tuff /grey Sample 67.41 - 67.86m				5077	.45 m	.05	.01	.02	.02	.005
67.87	72.56m E.OH.		Pale green & Maroon Andesite										

DRILL LOG 81

Date 24/01/86 Logged By G. Leask

8.61
1.50
10.11

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS				PROPERTY Dome Mountain	PROJECT No. Boulder Creek	N.T.S. No. 93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES		Sheet 1 of 1
Lat	Elev	Dip −45°	202'					Lat	Elev.	Dip	HOLE No. T-86-31
Dep	Length	Bearing	61.57m					Dep.	Length	Bearing	

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
0	6.15	Good	Maroon Andesitic Flow/Agglom Massive Bedded fine grained Agglomerate matrix >> Fragments. Pebble angled fragments										
6.15	7.65		Maroon Agglomerate Massive bedded fragmental. Fragments are typically pebble to cobble angled, multicolored in a maroon matrix										
7.65	10.11		Maroon Volcanic Flow? Massive bedded fine-grained Andesitic. Several narrow altered and bleached zones.		1% Py								
10.11	11.70		Maroon Agglomerate Massive Bedded Fragmental Andesite (multicolored fragments in a maroon matrix)										
11.70	25.00		Altered Maroon Fragmental Intensely Altered (talc) Andesitic Agglomerate. alteration is predominately quartz-talc-epidote. Disseminated pyrite is pervasive throughout. a few narrow Quartz-Pyrite veins occur near 27.00m	Tag No.	1% Py								
25.00	28.20		ORE Zone Several Quartz-Pyrite zones in the silicified and talcose tuff.	28.20-29.20 5088 29.20-30.20 5089 30.20-31.20 5090 31.20-32.20 5091	2%		5088 5089 5090 5091	1.0 m 1.0 m 1.0 m 1.0 m	.34 .01 .65 .21	.01 .01 .17 .09	.03 .02 .07 .10	.99 .11 2.42 1.56	.133 .012 .301 .115
28.20	34.00												
34.00	37.00		Altered Pale Pink Andesite Tuff Intensely silicified and talcose volcanic tuff. Pervasive Quartz veinlets. Some vague Intensely altered fragments	32.20-33.20 5092 33.20-34.00 5093	1% Py		5092 5093	1.0 m .8 m	.09 .18	.01 .11	.02 .09	.27 1.27	.004 .084
37.00	61.57		Maroon Agglomerate Massive bedded foliated Fragmental unit. Clasts vary in size from pebble to cobble. Clasts vary widely in color. Barren Quartz veins are pervasive throughout the zone										

DRILL LOG 81

Date _____ Logged By _____

John Leask.

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS				PROPERTY Dome Mountain		PROJECT No. Boulder Creek	N.T.S. No. 93L/10E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 1 of 2
Lat	Elev	Dip						Lat	Elev.	Dip	HOLE No.
Dep	Length	Bearing						Dep.	Length	Bearing	T-86-32

From	To	Recovery Cased	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
0	4.30		Pale Agglomerate / Intensely Altered and weathered Volcanic Breccia. Jarosite - limonite common along fracture and running clasts.										
4.30	7.30												
7.30	15.25		Mauve Agglomerate (weakly altered) / Varied volcanic clasts within an andesitic matrix. Disseminated pyrite is distributed throughout but spots concentrated along thin Quartz-pyrite veinlets. Silicification is pervasive.		<1% Py								
15.25	21.00		Mauve Agglomerate / Varied volcanic clasts within an andesitic matrix. Some widely spaced Quartz-pyrite veinlets.										
21.00	32.75		Mauve Agglomerate (weakly Altered) / Massive bedded Volcanic agglomerate composed of varied pebble to cobble sized fragments in a Mauve Andesitic matrix. Several narrow Quartz-Pyrite veins.		2% Py								
32.75	35.96		Mauve Agglomerate (moderate to intensely altered) / Massive bedded Volcanic Agglomerate. Alteration is predominantly talcose with Quartz-Pyrite veinlets. Disseminated Pyrite is pervasive throughout the zone		2% Py								
35.96	37.50		Mineralized Zone / Silicified and talcose altered zone with Quartz-Pyrite-Sphalerite	34.96 - 35.96	7%		5094	1.0 m	.01	.01	.03	.01	.003
				35.96 - 37.26			5095	1.3 m	.09	.02	.07	.22	.051
				37.26 - 38.26			5096	1.0 m	.01	.01	.03	.01	.001
37.50	44.41		Mauve Agglomerate / Varied Volcanic Fragments within a mauve andesitic matrix. Several narrow barren quartz veinlets.		1%								
44.41	50.50		Green Andesite Flow/tuff / Fine Grained massive bedded volcanic PREVIOUS carbonatized phenocrysts Barren Qtz Veinlets common										

DRILL LOG - 81

Date _____ Logged By _____

T.L. Lousk

NORANDA EXPLORATION COMPANY LTD.

Date Collored	Date Completed	Core Size NQ
FIELD CO-ORDINATES		
Lat	Elev	Dip
Dep	Length	Bearing

DIP TESTS	DEPTH	BEARING		ANGLE	
		RECORDED	CORRECTED	RECORDED	CORRECTED
	179				
	54.56				

PROPERTY Dome Mountain | PROJECT No Boulder Creek | N.T.S No 93 L/10 E

SURVEYED CO-ORDINATES | Sheet 2 of 2

Lat.	Elev.	Dip
Dep.	Length	Bearing

HOLE No. T-86-32

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
50.50	54.56		Mauve Crystal Tuff? Massive bedded Andesitic Volcanic. Pervasive Hematitization from 53.56 to 54.56. Minor carbonate veinlets with massive chlorite.									

DRILL LOG - #1

Date _____ Logged By _____

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collored	Date Completed	Core Size NQ	DIP TESTS					PROPERTY Dome Mountain		PROJECT No. Boulder Creek	N.T.S No. 93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 1 of 2
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip						Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing						Dep	Length	Bearing	T-86-33

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
0	6.15	Cased											
6.15	16.00		grady to Purple Tuff (Andesitic) Massive bedded fine grained crystal tuff. Rare Volcanic fragments in a tuffaceous matrix.										
16.00	17.07		Pale Altered Andesite Tuff Intensely talc altered tuff. Irregulous quartz veinlets. One 10cm Quartz-Sulphide zone.										
17.07	21.62		Green to Mauve Tuff/Fragment massive bedded fine grained tuff with some fragments. Pervasive barren quartz veining throughout. Some narrow quartz-Sulphide stringers.				Note. ↓	- sample taken assay ticket - appears	numbers and intervals are from Gord Leask's sample book. to be typo error on the assay sheet.				
21.62	23.00		Pale green Altered Tuff (mildly Altered) Block to Massive bedded pale green tuff (Minor fragment) zone ranges from poorly silicified and talcose at the top to intensely silicified and talcose at the bottom	22.0 - 23.0	2% PY		5099		.01	.01	.01	.01	.021
23.00	23.77		Ore Zone Intensely Fractured and Brecciated Quartz - Pyrite - Chalcopyrite - sphalerite.	23.0 - 23.85	15%		5097		.01	.01	.01	.01	.007
23.77	26.70		Pale Green Tuff (Altered) Moderately altered Massive bedded tuff	23.85 - 24.85	2%		5098		.79	.08	.06	4.08	.498
26.70	28.20		Mineralized Tuff Intensely silicified and pyritic volcanic tuff. Several narrow zones of Quartz - pyrite - Chalcopyrite mineralization		4%								
28.20	42.06		Pale green to Mauve Tuff (Slightly Altered) Massive bedded fine-grained volcanic tuff. Narrow Quartz - pyrite veinlets are widely distributed throughout the section. Disseminated pyrite is pervasive.		2%								

DRILL LOG 81

Date _____ Logged By _____

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S. No.
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome Mountain	Boulder Creek	93 E/10 E
Lat	Elev	Dip						SURVEYED CO-ORDINATES		Sheet 2 of 2
Dep	Length	Bearing						Lat. / Dep.	Elev. / Length	Dip / Bearing
										HOLE No. T-88-33

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
42.06	50.50		Mauve Andesitic Agglomerate-Tuff Mainly monolithic fragments within a Mauve tuffaceous Matrix. Some narrow bleached and altered zones with accompanying Quartz-Sulphide veinlets. Massive bedded.		2% py				
50.50	50.75		Mauve Lapilli Tuff Mostly Heterolithic fragments with a mauve tuffaceous. Thinly bedded with sharp contacts to the overlying and underlying agglomerate-tuff units.	Foliated bedding to core axis 30°					
50.75	51.20		Mauve Andesitic Agglomerate-Tuff Main monolithic fragments within a mauve tuffaceous matrix. Some narrow bleached and altered zones. Disseminated pyrite is common.		2% py				

DRILL LOG - 81

Date _____ Logged By John Leask.

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS					PROPERTY Dome Mountain		PROJECT No Barlow Creek	NTS No 93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 1 of 2
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip -45°						Lat.	Elev.	Dip	HOLE No.
Dep	Length 67.97 m	Bearing [014]						Dep.	Length	Bearing	T-86-34

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
0	4.92	Cased											
4.92	20.20		Lt. green to Mauve Andesite tuff. Weakly Chloritized massive bedded Andesite tuff. Rare fragments within the lower part of the section Agglomerate at 15.50 to 16.00		<1% Py								
20.20	25.85		Pale Mauve Tuff (moderate to strongly altered) Moderate to intensely silicified and talc altered volcanic Tuff. Fragments are fudgent intermittently. Narrow Quartz-Pyrite veinlets are abundant.	24.85 - 25.85	2% Py		5101	1.0 m	.01	.01	.06	.01	.010
25.85	27.13		Mineralized Zone Intensely talc altered and variably silicified Quartz-pyrite mineralization.	25.85 - 26.85 25.85 - 27.13	5%		5102 5100	1.0 m 1.28 m	.01 .03	.01 .01	.02 .03	.01 .09	.002 .016
27.13	37.27		Lt Mauve Andesite Tuff. Weakly talcose altered and pervasively silicified Massive bedded fine grained crystal Tuff? Subplide wisp quartz veinlets ubiquitous. Much disseminated pyrite.	Qtz flooding and stockwork immediate hanging wall of mineralization	2% Py								
37.27	39.32		Pale Green Crystal Tuff. Weakly altered and mineralized massive bedded tuff. Several narrow Quartz-pyrite veinlets cross the core at high angles.		2% Py								
39.32	40.82		Mauve Andesitic Agglomerate Weakly altered, massive bedded fragmental volcanic										
40.82	41.00		Gouge Zone Extremely sheared and fractured clay filled fault zone		2% Py								
41.00	43.50		Maroon Agglomerate (Auto Breccia) Massive bedded Volcanic Fragmental. Pebble to cobble sized maroon fragments in altered matrix										

DRILL LOG 81

Date _____ Logged By _____

John Leask.

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS					PROPERTY Dome Mountain		PROJECT No. Boulder Creek	NTS No. 93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 2 of 2
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip -45						Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing 014Az	67.97					Dep.	Length	Bearing	T-86-34

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
43.50	53.75		Mauve to Pale green Crystal Tuff Massive bedded crystal tuff. Some remnant mauve crystal tuffs in pale green weakly altered crystal tuffs. Pervasive Quartz veinlets (barren) with rare Quartz-Pyrite		1% py							
53.75	67.10		Mauve Volcanic Auto Breccia Massive bedded Volcanic fragmental. Pervasive lower Qtz veinlets with rare Quartz-Pyrite veinlets that exibit pale altered selvages.		1% py							
67.10	67.20		Mauve Andesitic Agglomerate Massive Bedded Intermediate fragmental unit. Pebble to cobble sized fragments									
67.20	67.97		Mauve to Pale Green Agglomerate Weakly altered Intermediate fragmental unit		1% py							

DRILL LOG - 81

Date _____ Logged By _____

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS				PROPERTY Dome Mountain	PROJECT No Boulder Creek	N.T.S No 93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES		Sheet 1 of 2
Lat	Elev	Dip -90°	248'					Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing 014°Az	75.59m					Dep	Length	Bearing	T-86-35

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
0	6.15	Washed	Dk Green Andesitic Agglomerate Chloritized and altered Volcanic Fragmental with varied fragments										
6.15	11.45												
11.45	13.00		Mauve to Dk Green Agglomerate Weakly Chloritized and altered (talc) Fragmental matrix > Fragments	Weakly Foliated									
13.00	18.50		Pale Mauve Agglomerate/Breccia Moderate to intensely Talc altered with pervasive disseminated pyrite.	Strongly Foliated	18Py	SAMPLE NUMBER							
18.50	19.75		Mineralized Zone Strongly talcose altered and silicified with disseminated pyrite and Quartz-Pyrite veinlets.	Sheared in placed	58py	5103	17.5-18.5	1.0 m	.11	.01	.18	.10	.015
19.75	27.07		Pale Mauve Tuff? Intensely talcose altered are silica flooded pyrite rich fine grained volcanic. Many small quartz-pyrite veins		28	5104	18.5-19.5	1.0 m	.08	.02	.05	.49	.003
						5105	19.5-20.5	1.0 m	.01	.01	.01	.01	.003
						5106	20.5-21.5	1.0 m	.01	.01	.01	.01	.002
						5107	21.5-22.5	1.0 m	.01	.01	.01	.09	.003
27.07	28.25		Mineralized Zone Intensely silicified and Quartz-Pyrite veined. Intermittant talc altered zones. Thin Clay seams 1/meter approx		58py	5108	22.5-23.5	1.0 m	.01	.01	.01	.03	.007
						5109	23.5-24.5	1.0 m	.01	.01	.07	.04	.001
						5110	24.5-25.5	1.0 m	.01	.01	.02	.02	.003
						5111	25.5-26.5	1.0 m	.01	.01	.02	.05	.004
28.25	35.70		Pale Mauve Auto Breccia Moderate to Weakly Altered (talc) pyrite rich Auto Breccia-Tuff.		28py	5112	26.5-27.5	1.0 m	.05	.01	.02	.23	.015
						5113	27.5-28.25	.75 m	.02	.01	.02	.12	.007
						5114	28.25-29.25	1.0 m	.01	.01	.02	.05	.004
35.70	40.50		Light Green Tuff Massive bedded fine grained volcanic with abundant disseminated pyrite. Several narrow Quartz-Pyrite veinlets transect the core at a steep angle		28py								

DRILL LOG - 81

Date _____ Logged By John Leask.

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS					PROPERTY Dome Mountain		PROJECT No. Boulder Creek	N.T.S. No. 93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 2 of 2
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip -90°						Lat	Elev.	Dip	HOLE No.
Dep	Length 248'/75.59m	Bearing —						Dep	Length	Bearing	T-86-35

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
40.50	42.06		Pale Mauve Tuff (Andesite) massive bedded talc and chlorite altered (moderately) volcanic tuff.		18PY							
42.06	43.80		Mauve Tuff (Andesite) Massive bedded fine grained volcanic. Many hairline barren quartz veins.									
43.80	45.20		Mauve Auto Breccia Andesite Massive bedded Monolithic Breccia. Pervasive barren qtz veinlets.									
45.20	47.70		Pale Green Crystal Tuff Mildly Chloritized and Quartz flood pyritic tuff. Massive bedded volcanic.		18PY							
47.70	51.20		Pale Green to Lt. Mauve Tuff Massive bedded crystal tuffs. Many Weakly Altered zones with some Chlorite. Quartz flooding in predominant.		18PY							
51.20	75.59		Grey-Green-Lt Mauve Crystal Tuff Alternating Grey & Green and mauve massive bedded fine grained volcanic. Pervasive barren quartz veinlets. Quartz-Pyrite veinlets from 67.00m									

DRILL LOG - 81

Date _____ Logged By John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS	BEARING		ANGLE		PROPERTY Dome Mountain	PROJECT No. Boulder Creek	NTS No. 93 L/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES		Sheet 1 of 1
Lat	Elev	Dip -90°	24'					Lat	Elev	Dip	HOLE No.
Dep	Length	Bearing 014°	62.18m					Dep	Length	Bearing	T-86-36

From	To	Recovery Cased	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
0	4.88	Cased											
4.88	15.10		Grey-Green-Mauve Tuff Interlaminated Grey-Green Mauve crystal tuff. Some felsic fragments are incorporated within the tuffaceous matrix										
15.10	16.60		Mauve Auto-Breccia (Andesite)										
16.60	21.20		Pale Mauve Auto breccia (Andesite) Weakly to moderately altered mauve volcanic Auto-breccia. Alteration is predominantly talc, clays, carbonate. Some narrow quartz-pyrite veins.	breccia 20.2 - 21.2	2% py		5115	1.0 m	.03	.01	.11	.11	.009
21.20	24.08		ORE Zone Pyrite-Sphalerite-Galena-Chalcopyrite mineralization in a quartz zone. Several talc altered inclusions occur within the quartz-Sulphide zone	21.2 - 22.2 22.2 - 23.2 23.2 - 24.08 24.08 - 25.08	10%		5116 5117 5118 5119	1.0 m 1.0 m .88 m 1.0 m	.05 .01 .02 .01	.04 .01 .01 .01	.01 .01 .01 .01	.83 .09 .14 .05	.044 .002 .010 .003
24.08	34.72		Altered Mauve Auto-Breccia Talc and Carbonate altered Andesitic Breccia. Narrow Quartz-Pyrite veins in silicified zones are ubiquitous		2% py								
34.72	36.46		Pale Mauve Auto breccia Weakly talc and carbonate altered Mauve Andesitic tuff. Several mottled-bleached zone with disseminated pyrite.		1% py								
36.46	40.00		Mauve Andesitic Auto-Breccia massive bedded intensely carbonatized and chloritized volcanic.		<1%								
40.00	62.18		Green/Mauve Flow Breccia. Mauve Andesitic Fragments in a carbonatized and chloritized matrix. Some pale altered sections from 53.64m to end of hole. Several small quartz-Sulphide and disseminated pyrite are present in this section.	~~Foliation~~ Weakly Foliated	1%								

DRILL LOG 81

Date _____ Logged By _____

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No	N.T.S No
		NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Doma Mountain	Boulder Creek	93 L/10 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES		Sheet 1 of 1
Lat	Elev	Dip −45°						Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing 015°	381.0m					Dep.	Length	Bearing	T-86-37

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
0	6.15m	Cased											
6.15	11.58		Mauve Auto Breccia. Weakly to moderately Talcose altered Andesite crackle breccia. Fragments tend to be much more altered than the matrix	Foliated	<1 8py								
11.58	13.40		Mauve Tuff/Fragmental. Intensely talcose altered volcanic tuff with some foreign fragments (pebble to cobble size)	Intensely Foliated	1 8py								
13.40	14.40		Pale Mauve Tuff. Intensely talc altered and pyritized with narrow Quartz-pyrite veinlets.	13.4 - 14.4 m	2 8py		15.78-15.85 m — taken for preliminary metallurgy						
							5121	1.0 m	.02	.02	.20	.14	.067
14.40	17.40		ORE Zone. Intensely silicified Quartz-Sphalerite-Galena-Chalcopyrite mineralization with large inclusions of talc altered wallrock.	14.9 - 15.4 m 15.4 - 16.4 m 16.9 - 17.4 m 17.4 - 18.4 m	15 8	↔	5120	1.0 m	.20	.20	.34	1.94	.073
							5122	1.0 m	.42	.91	3.01	3.28	-226
							5123	1.0 m	.12	.03	.03	.86	.109
							5124	1.0 m	.01	.01	.02	.03	.002
17.40	27.82		Pale Mauve Tuff/Fragmental. Intensely talcose altered and pyritized volcanic. Many narrow Quartz-pyrite veinlets.	Foliated	2 8py								
27.82	32.20		Pale green/mauve Crystal Tuff. Weakly to Moderately talc altered Tuff with minor fragments. Rare Quartz-Pyrite veinlets.	Foliated	1 8py								
32.20	38.10		Green Porphyritic Volcanic (Crystal tuff?, dyke?) competent, relatively fresh volcanic with abundant narrow quartz-pyrite veinlets		1 8py								

DRILL LOG - 81

Date _____ Logged By _____

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS				PROPERTY Dome Mountain		PROJECT No. Boulder Creek	N.T.S. No. 93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 1 of 1
Lat.	Elev	Dip -90°	137.80					Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing 015°	42.40					Dep.	Length	Bearing	T-86-38

From	To	Recovery cased	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
0	3.69												
3.69	8.17		Mauve Agglomerate/crystal tuff. Massive bedded Volcanic. Porphyritic matrix > foreign fragments.	Foliated									
8.17	15.85		Pale Mauve Tuff. Moderate to intensely talc altered tuffaceous volcanic.		<1Py								
				15.85 - 16.85			5125	1.0	.09	.14	.17	.69	.054
				16.85 - 17.85			5126	1.0	.17	.14	.16	1.80	.015
15.85	24.85		ORE Zone. Intensely silicified ~~and Talc~~ Pyrite-Chalcopyrite-Galena-Sphalerite mineralization with inclusions of locally pyritized and talc altered wallrock	17.85 - 18.85			5127	1.0	.15	.21	2.99	.72	.107
				18.85 - 19.85			5128	1.0	.31	.10	.29	1.70	.103
				19.85 - 20.85			5129	1.0	.06	.02	.02	.26	.007
				20.85 - 21.85			5130	1.0	.02	.01	.01	.01	.002
24.85	33.22		Pale Mauve Tuff. Moderate to intensely silicified and talc altered, pyritized, and chloritized. Several narrow quartz-pyrite veinlets	21.85 - 22.85			5131	1.0	.06	.01	.02	.11	.015
				22.85 - 23.85			5132	1.0	.01	.01	.02	.04	.007
				23.85 - 24.85	18Py		5133	1.0	.09	.01	.07	.31	.027
33.22	38.56		Mauve Andesite Tuff. Massive bedded volcanic crystal tuff. Pervasive barren quartz veinlets. Abundant disseminated pyrite.		18Py								
38.56	42.40		Lt Green Andesite Tuff. Massive, Compact, Silica flooded, and heavily pyritized. Chlorite is pervasive.		28Py								

DRILL LOG - 81

Date _____ Logged By _____

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
				BEARING		ANGLE		Dome Mountain		Boulder Creek	93 L/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES			Sheet 1 of 2
Lat	Elev	Dip -60°	246.00m					Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing 015°	749.8m					Dep.	Length	Bearing	T-86-39

From	To	Recovery Cased	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag(oz/t)	Au(oz/t)
0	3.66m												
3.66	14.93		Maroon to Red dust/lapilli tuff Thinly laminated to thick bedded tuffaceous volcanic. Heavily carbonatized	bedding to core 38°									
14.93	17.88		Pale Green Agglomerate Mixed pebble to cobble size fragments in a tuffaceous chloritized matrix										
17.88	19.38		Maroon crystal tuff Massive bedded, compact, rare foreign fragments.										
19.38	20.73		Pale green Andesite Massive, fresh, compact porphyritic volcanic (dyke?)										
20.73	24.90		Pale Green Breccia Brecciated and silicified porphyritic volcanic. Some Rhyolite clasts.										
24.90	26.40		Mauve Porphyritic Massive bedded slightly chloritized compact volcanic dyke? flow?										
26.40	60.45		Mauve Agglomerate Massive bedded multi-variable fragmental volcanic. Mildly carbonatized throughout. Several silica flooded zones. Rare Quartz-Pyrite veinlets										
60.45	64.35		Mineralized Zone Several Quartz-Chalcopyrite-pyrite-galena mineralized zones within bleached and altered Mauve Agglomerate.	60.45 - 61.45			5034	1.0 m	.01	.01	.01	.03	.002
				61.45 - 62.95			5035	1.0 m	.17	.01	.02	.91	.055
				62.95 - 63.45			5036	1.0 m	.10	.02	.04	.23	.054
				63.45 - 64.35			5037	.9 m	.30	.01	.03	.15	.003

DRILL LOG - 81

Date _____ Logged By _____

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY Dome Mtn.	PROJECT No. Boulder ck	N.T.S. No 93 L/10E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES		Sheet 2 of 2
Lat	Elev	Dip −60°	246.00'					Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing 015°	74.98m					Dep.	Length	Bearing	T-86-39

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
64.35	66.15		Andesitic Flow Dark purple, compact porphyritic volcanic				5038	.8 m	.01	.01	.05	.02	.002
66.75	74.98		Andesitic Maroon Agglomerate volcanic with varied volcanic fragments. Dark, compact, fresh										

DRILL LOG - B1

Date _____ Logged By John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS					PROPERTY Dome Mountain		PROJECT No. Boulder Creek	N.T.S No. 13 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 1 of 2
Lat	Elev	Dip -60°						Lat.	Elev	Dip	HOLE No.
Dep	Length	Bearing 015°						Dep	Length	Bearing	T-86-40

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (o/t)
0	1.84m	cased											
1.84	2.84		Dark Green Porphyritic Hbl Andesite Massive compact porphyritic volcanic (Andesite pseudomorph after augite.										
2.84	14.89		Maroon Crackle Breccia Calcite matrix around maroon andesite fragments 30% matrix - 70% frags Some massive calcite veinlets										
14.85	15.85		Dark Green Porphyritic Hbl Andesite Massive compact porphyritic andesite. Weakly chloritic										
15.85	19.20		Maroon Crackle Breccia Calcite Matrix 50% - Fragments 50%										
19.20	30.17		Dark Green Porphyritic Hbl Andesite (Flow?) Massive, compact porphyritic volcanic, some red apoto										
30.17	35.23		Maroon Dusty Breccia Intensely carbonatized hematitic tuff										
35.23	43.20		Grey/Green Porphyritic Andesite Flow Massive, compact porphyritic volcanic. chloritized phenocrysts and matrix										
43.20	56.57		Maroon Dust Tuff Unit Finely to medium bedded carbonatized tuff.	Bedding to core 70°									

DRILL LOG - 81

Date _____ Logged By John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS				
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED
Lat	Elev	Dip -60°					
Dep	Length	Bearing 015					

PROPERTY Dome Mountain | PROJECT No. Boulder Creek | N.T.S. No 93 L/10 E | Sheet 2 of 2

SURVEYED CO-ORDINATES: Lat. | Elev. | Dip | Dep. | Length | Bearing

HOLE No. T-86-40

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag(oz/t)	Au(oz/t)
56.51	57.60		Pale pink Rhyolite (dyke?) Massive, fresh fine grained volcanic, sharp contacts with the maroon Tuff. slightly epidotized, Garnet veinlets.										
57.60	59.60		Maroon Dust tuff unit Thinly laminated fine grained tuff										
59.60	64.60		Beige Rhyolite Massive, compact, intensely pervaded and Quartz-Pyrite stockwork veined	63.6 - 64.6	2%Py		5144	1.0 m	.01	.01	.02	.02	.006
64.60	69.19		ORG Zone chalcopyrite mineralized zones with large inclusions of talc altered and veined wallrock. Quartz-Pyrite-Sphalerite and quartz-sulphide zones. Some clay gouge zones.	64.6 - 65.6			5139	1.0 m	.10	.01	.07	.20	.080
				65.6 - 66.6	10% Py Sph, Ga Cpy.		5140	1.0 m	.09	.01	.07	.08	.026
				66.6 - 67.6			5141	1.0 m	.36	.02	.07	.64	.012
				67.6 - 68.6			5142	1.0 m	.04	.01	.24	.05	.010
69.19	70.19		Pale Altered Volcanic Zone Intensely talcose altered and sheared. Pervasive disseminated pyrite.	68.6 - 69.6			5143	1.0 m	.44	.29	.75	3.13	.233
				69.6 - 70.6	1% Py		5145	1.0 m	.01	.01	.02	.04	.002
70.19	72.84		Massive Volcanic Fine grained massive structureless flow?, dyke?	intensely sheared & ir cemented zone at 68.60 m									
72.84	82.00		Dirk Green/Purple porphyritic Volcanic. Massive fresh flow/dyke? Unit with equal dark/light minerals. Some quartz eyes.										

DRILL LOG - 81

Date _____ Logged By _____

NORANDA EXPLORATION COMPANY LTD.

Date Collored	Date Completed	Core Size NQ	DIP TESTS					PROPERTY DOME mtn	PROJECT No. BOULDER CK	NTS No. 93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES		Sheet 2 of 4
Lat	Elev	Dip -60°						Lat.	Elev.	Dip	HOLE No. T-86-41
Dep	Length 454.67' / 139.9m	Bearing [015]						Dep.	Length	Bearing	

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
27.90	33.00		Green Porphyritic Flow Intensely chlorite and epidote altered.									
33.00	45.11		Auto brecciated Maroon Flow Intensely carbonatized maroon andesite flow.									
45.11	50.80		Maroon Amygdaloidal Flow Massive bedded flow unit calcite filled amygdules.									
50.80	54.56		Grey Amygdaloidal Flow Massive flow unit with calcite filled amygdule									
54.56	62.20		Lime Green Porphyritic Unit Intensely Epidotized and chloritized porphyritic volcanic flow									
62.20	64.30		Maroon Porphyritic Flow. Massive flow unit with moderate carbonatization									
64.30	72.00		Grey/Green Porphyritic Flow Intensely epidote altered massive bedded Andesitic flows									
72.00	81.04		Maroon Dust Tuff Thinly to medium bedded carbonatized dust tuff	bedding to core 60°								

DRILL LOG - 81

Date _____ Logged By _____

John Loask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS				PROPERTY Dome mtn.	PROJECT No Boulder ck	NTS No 93 C/10 E
FIELD CO-ORDINATES		DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES		Sheet 3 of 4
Lat	Elev	Dip -60°					Lat.	Elev.	Dip	HOLE No. T-86-41
Dep	Length 454.67'/139.9m	Bearing [015]					Dep.	Length	Bearing	

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
81.04	82.04		Lt green Tuff. Massive, compact tuffaceous lode										
82.04	90.40		Maroon Dust tuff	Bedding to core 55°									
90.40	97.23		Grey/Green Tuff? Massive, compact, fine structureless, with minor barren qtz veinlets										
97.23	103.83		Altered Grey/Green Tuff Massive compact Tuffaceous volc. Weakly talc altered and quartz-pyrite veined.										
103.83	103.50		Silicified Mauve Breccia/tuff Intensely silicified and qtz stockwork flooded										
103.50	105.50		Pale Massive tuff Intensely talc altered and pyritized, Stockwork quartz-pyrite veinlets.	105.5 - 106.5	3% PY		5146	1.0 m	.04	.75	.29	.41	3.49
				106.5 - 107.5			5147	1.0 m	.12	.12	.20	.61	.055
				107.5 - 108.5			5148	1.0 m	.12	.14	.79	.29	.216
105.50	167.50		Beige Rhyolitic Dyke/tuff? Lightcolored, fine compact felsic dyke. pervasive pyrite, and minor quartz-pyrite veinlets	108.5 - 109.5	3% PY		5149	1.0 m	.02	.02	.06	.04	.012
				109.5 - 110.5			5150	1.0 m	.05	.04	.12	.13	.013
				110.5 - 111.5			5151	1.0 m	.28	.10	.23	1.96	.028
				111.5 - 112.5			5152	1.0 m	.08	.06	.47	.23	.286
107.50	115.50		ORE Zone Quartz-Pyrite-Chalcopyrite galena - sphalerite mineralization zones with inclusions of talc altered wallrock	112.5 - 113.5	15% PY, cpy, gn, sp		5153	1.0 m	.18	.09	.66	.89	.267
				113.5 - 114.5			5154	1.0 m	.15	.20	1.37	.61	.870
				114.5 - 115.5			5155	1.0 m	.75	.17	.20	3.29	.650

DRILL LOG #1

Date _____ Logged By _____

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS					PROPERTY Dome mtn		PROJECT No. Boulder cc	N.T.S. No. 93 L/10E
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 4 of 4
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip -60°						Lat.	Elev.	Dip	HOLE No. T-86-41
Dep	Length 459.67'/139.9 m	Bearing [015]						Dep.	Length	Bearing	

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
115.50	127.10		Pale mauve/green tuff ~~tuff~~ Locally altered & pervasively pyritized with quartz-pyrite veinlets.		2Bpy							
127.10	133.80		Mauve Andesitic tuff									
133.80	139.90		Pale Green Andesite Flow Weakly altered, compact, unit with vertical quartz-pyrite veinlets.		2Bpy							

DRILL LOG - 81

Date _____ Logged By John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ
FIELD CO-ORDINATES		
Lat	Elev	Dip -60°
Dep	Length	Bearing 015°

DIP TESTS

DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED

PROPERTY Dome Mountain | PROJECT No. Boulder Creek | N.T.S. No. 93 L/10 E

SURVEYED CO-ORDINATES

Lat	Elev.	Dip
Dep.	Length	Bearing

Sheet 1 of 3 | HOLE No. T-86-42

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
0	1.85	Cased							
1.85	2.95		Amygdaloidal flow (Andesite) Massive bedded, quartz filled amygdules.						
2.95	8.84		Lt Green Amygdaloidal Flow. Intensly silica flooded. Hematite spots, quartz filled Amygdules						
8.84	15.25		Grey/green Amygdaloidal flows Weakly chloritized and epidote altered, carbonate filled amygdules.						
15.25	16.25		Maroon Dust Tuff Thinly laminated, fine grained.	Foliated bedding to core 65°					
16.25	22.73		Grey/Green Augite Porphyry Flows. 2pots pervasive hematite						
22.73	36.00		Maroon Dust Tuff. Thinly laminated, fine grained	bedding to core 56°					
36.00	39.10		Lt Green Dust Tuff Massive, compact, barren qtz veins.						
39.10	49.00		Maroon Dust Tuff Massive bedded						

DRILL LOG - 81

Date _____ Logged By _____

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ
FIELD CO-ORDINATES		
Lat	Elev	Dip −60°
Dep	Length	Bearing [015]

DIP TESTS

DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED

PROPERTY: Dome Mountain — PROJECT No.: Boulder Ck — NTS No.: 93 C/10 E

SURVEYED CO-ORDINATES

Lat.	Elev.	Dip	Sheet 2 of 3
Dep.	Length	Bearing	HOLE No. T-86-42

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
49.00	62.55		Mauve/Green Tuff — Massive bedded, silicified, competent		1-8py								
62.55	69.80		Maroon Dust/Lapilli tuff — Interbedded, finely laminated to medium bedded tuff with variable (size and color) fragments, some interbeds of finely laminated dust tuff	bedding to core 50°									
69.80	109.42		Mauve Agglomerate — Basically the same as the overlying unit but unsorted. (pebble to cobble size fragments)										
109.42	112.47		Pale Mauve Agglomerate (Talc) — altered Volcanoclastic		2-8py								
112.47	115.51		ORE Zone — galena mineralization — Quartz - Sphalerite - Chalcopyrite	112.47 - 113.47	1-5%		5156	1.0 m	.12	.02	.02	.43	.057
				113.47 - 114.47			5157	1.0 m	.04	.02	.10	.15	.019
				114.47 - 115.47			5158	1.0 m	.11	.01	.02	.12	.074
115.51	117.04		Pale Mauve Tuff — crystal tuff. Talc altered	115.47 - 116.04	2-8py		5159	.57 m	.17	.01	.02	.35	.144
				116.04 - 117.04			5160	1.0 m	.01	.01	.02	.08	.016
117.04	125.66		Mauve Crystal tuff — Weakly chloritized and talc altered massive bedded tuff.										
125.66	132.10		Mauve Auto Breccia — weakly chloritized with rare chlorite veinlets and barren quartz veinlets.										

DRILL LOG - 81

Date _____ Logged By _____

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ
FIELD CO-ORDINATES		
Lat	Elev	Dip
Dep	Length	Bearing

DIP TESTS				
DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED
142.94				

PROPERTY Dome Mountain	PROJECT No Boulder	N.T.S. No 93 L/10 E
SURVEYED CO-ORDINATES		Sheet 1 of 4
Lat	Elev.	Dip -60° / HOLE No
Dep	Length	Bearing 015 Az / 185-43

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
0.0	4.88	0	NO RECOVERY CASING						
4.88	12.40		MASSIVE MAROON ANDESITE ABDT CALCITE VEINING @ 35° FCA (FROM CORE AXIS)	VEINING 35°					
12.40	15.43		GREEN ANDESITIC AGGLOMERATE FRAGS UP TO 5cm. GENERALLY 0.5 - 1.0 cm. CALC VEINING AT 25° FCA	VEINING 25°					
15.43	15.60		QZ VEIN NO ALTN. ~ 5% PY, CP						
15.60	18.50		GREY/GREEN ANDESITIC AGGLOMERATE MINOR 1 cm QZV AT 16.60m @ 10° PY, CP.						
18.50	21.10		MAROON AGGLOMERATE MATRIX >> CLASTS ANDESITE MATRIX						
21.10	43.72		GREY/GREEN AGGLOMERATE MASSIVE, ABDT CALC. VEINING						
43.72	43.74		MINOR QZ VEIN < 5% PY NO ALTN ALONG SIDES.						

DRILL LOG - 81

Date JULY 30 Logged By R MELGAARD

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS					PROPERTY DOME MTN.	PROJECT No BOULDER	NTS No 93 L/10E
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES		Sheet 2 of 4
				RECORDED	CORRECTED	RECORDED	CORRECTED			
Lat	Elev	Dip						Lat	Elev	Dip -60°
Dep	Length	Bearing						Dep	Length	Bearing 015AZ

HOLE No T86-43

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
43.74	45.41		GREY AGGLOMERATE ABT MINOR QZ + CALC VEINING. WEAKLY ALTERED DISSEM PY < 1%		<1% PY				
45.41	46.41		QZ VEIN QZ + CARB. < 2% PY. 47.93 ANOTHER 10 cm QZV.		<2% PY				
46.41	49.34		GREY AGGLOMERATE 47.93 10cm QZV ~ 5% SULPHIDES MINOR CLAY ALTN.						
49.34	50.34		GREY AGGLOMERATE MODERATE CLAY ALTN QZ-CARB + CLAY ALT. VEINING COMMON		1% PY				
50.34	52.14		GREY AGGLOMERATE. MASSIVE. MINOR CARB VEINING CLASTS GENERALLY <3 cm.	CARB VEINS AT 30°. DEFORMED	2% PY				
52.14	52.54		QZ VEIN + AGGLOM ~50/50. QZV CUTS A CARB VEIN.		3%				
52.54	63.70		AGGLOMERATE FRAGS OF MAROON + GREEN ANDESITE. MINOR QZ + CALC VEINING. CLASTS SHEARED + ELONGATED PARALLEL TO QZ VEINING. MINOR ALTN @ QZV.						
63.70	65.90		AGGLOMERATE MORE VARIETY OF CLASTS MAROON, RED, + GREEN FLOW TOP? GRADES FROM GREY-GREEN → MAROON.	V. LITTLE MATRIX MAINLY CLASTS.					

DRILL LOG - 81

Date JULY 30/86 Logged By R HELGASON

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY DOME MTN		PROJECT No BOULDER	N.T.S No
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 3 of 4
Lat	Elev	Dip						Lat	Elev	Dip -60°	HOLE No.
Dep	Length	Bearing						Dep	Length	Bearing 015 AZ	T86-43

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
65.90	90.53		MASSIVE AGGLOMERATE (ANDESITE) MAROON, LARGE FRAGS UP TO OR > 10 cm. FRAGS ~ SAME COMPOSITION AS MATRIX. MAINLY MATRIX @ < 20% FRAGMENTS.	VEINS : 25° FCA.					
			MINOR QZ VEINS WITH WEAK ALTN ZONES. + PYRITE. NEARER TO 90.53 CLASTS ARE STRETCHED + ELONGATED AT 45° TO CORE AXIS.						
90.53	92.98		ALTERATION ZONE GREEN, CLAY, QZ + ALTERATION. OBVIOUS MINOR FAULTING. LIGHT GREEN COLOUR. (CHLORITE ON PLANES OF MOVEMENT) FOLIATION IS TWISTED + DEFORMED. 10° FOLIATE.	FRACTURES + PLANES OF MOVEMENT 40°					
92.98	93.73		FAULT GOUGE + QZ VEINS STRONG ALTN. QZ VEINING, CRUMBLY CLAY FAULT GOUGE SERICITE + TALC ALTN. PY UP TO 5-10% DISSEM THROUGHOUT.					92.88 → 93.88. 1.0 m.	
93.73	95.30		ALTERED ZONE LIGHT CREAM, GREEN ALTERATION. FOLIATION. MINOR < 1 cm QZ VEIN PARALLELS CORE + CROSSCUTS FOLIATION.	FOLIATION + FAULTING 20°					
95.30	96.41		AGGLOMERATE WEAKLY ALTERED AND FOLIATED. GRADING INTO UNALTERED MAROON AGGLOM.	FOLIATION 40°					
96.41	112.47		MAROON AGGLOMERATE. ABT MINOR CARBONATE VEINS. + MINOR SHEARING. GRADUALLY BECOMES LESS FRAGMENTAL + MORE MASSIVE PORPHYRITIC ANDESITE.						
112.47	118.18		FELDSPAR PORPHYRY ANDESITE. MINOR FRAGMENTS + CARBONATE VEINING.						

DRILL LOG - 81

Date JULY 30/86 Logged By R MCGIBBON

NORANDA EXPLORATION COMPANY LTD.

Date Collored	Date Completed	Core Size	DIP TESTS					PROPERTY Dime Mtn.	PROJECT No. Boulder	NTS No
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES		Sheet 4 of 4
				RECORDED	CORRECTED	RECORDED	CORRECTED			
Lat	Elev	Dip						Lat	Elev	Dip -60°
Dep	Length	Bearing						Dep	Length	Bearing 015 AZ

HOLE No. T86-43

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
118.18	118.76		MAROON F.G. ANDESITE PERVASIVE CARBONATE VEINING.									
118.76	119.16		MAROON F.G. ANDESITE ABDT CRACKLE BRx @ CARB. VEINLETS									
119.16	120.16		MAROON AGGLOMERATE									
120.16	123.26		F.G. MAROON ANDESITE MASSIVE F.G. CARBONITIZED ANDESITE									
123.26	129.50		MAROON ANDESITE DUST TUFF? ABDT FSPAR XTALS PERVASIVE CARBONITIZATION. CLASTS GENERALLY LAPILLI SIZE.									
129.50	141.07		ANDESITE FLOW. MASSIVE WEAKLY CARB + CHLORITE ALTERED MAROON.									
141.07	141.82		V.F.G. GREY/GREEN ANDESITE. NON PORPHYRITIC. POSSIBLE DIKE.									
141.82	142.94 EOH.		ANDESITE FLOW PERVASIVE CARB. VEINS.									

DRILL LOG - 81

Date July 30/86 Logged By R McGEASON

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS					PROPERTY Dome mtn		PROJECT No Boulder ck	N.T.S. No 93 L/10E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 3 of 3
Lat	Elev	Dip -60°						Lat.	Elev	Dip	HOLE No. T-86-92
Dep	Length	Bearing [015]						Dep.	Length	Bearing	

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
132.10	133.80		Rhyolite Lapilli Tuff. Intensely siliceous, finely laminated, chloritic, fiff with quartz eyes. Prominent vertical chlorite-hekcopyte veins		1% py trace cpy							
133.80	180.90		Massive Crystal/Dust Tuff thin to medium bedded									

DRILL LOG 81

Date _____ Logged By John Leask.

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S No.
MAY 15, 1986	MAY 17, 1986	NQ		BEARING		ANGLE		DOME	BOULDER CK	93 L/10E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES		Sheet 1 of 4
Lat	Elev	Dip -70°	536'				-72°	Lat	Elev.	Dip	HOLE No.
Dep	Length 1686'	Bearing 014°						Dep.	Length	Bearing	T86-44

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
0.0	6.0' 1.82m		No recovery, casing						
6.0' 1.82m	40.5' 12.35m		Green Andesite, med-coarse grained, with minor quartz veinlets						
40.5 12.35m	49' 14.94m		Maroon Andesite, med grained quartz + calcite veinlets throughout						
49.0 14.94m	56.0' 17.07m		Grey-Green Andesite with epidote alteration some talc on slickensided surface						
56.0 17.07m	69.0' 21.04m		Maroon Andesite, quartz + calcite veinlets throughout						
69.0' 21.04m	91.5' 27.90m		Green Andesite, med grained, with dark green augite? blebs throughout chloritic						
91.5' 27.90m	96'8" 29.51m		Maroon Andesite, coarse grained						
96'8" 29.51m	129.5' 39.49m		quartz flooded green Andesite, with a small zone < 12" of minor Kyanite in quartz veinlet						

DRILL LOG 81

Date MAY 18, 1986 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S. No.
May 15/86	May 17/86	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	DOME MTN	BOULDER CK	93 L/10 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES		Sheet 2 of 4
Lat.	Elev.	Dip -70°	536'				-72°	Lat.	Elev.	Dip
Dep.	Length 616'/	Bearing [014]						Dep.	Length	Bearing

HOLE No. T86-44

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
129.5' 39.48m	130.5' 39.79m		Maroon Andesite. Abundant quartz + calcite veinlets + blebs						
130.5' 39.79	131'4" 40.06		Maroon Volcanic tuff, core to bedding angle 62°						
131'4" 40.06	151' 46.05m		Green Andesite with minor (small) quartz veinlets						
151' 46.05m	178' 54.26		Thinly laminated maroon tuff, core/bedding ∠ 70°						
178' 54.26m	192' 58.53		fine grained, dark green andesite						
192' 58.53m	194' 59.15m		Maroon Andesite, very fine grained						
194' 59.15m	201' 61.28m		fine grained green andesite						
201' 61.28m	234' 71.34m		Med grained maroon andesite with minor calcite veinlets						

DRILL LOG 81

Date May 18/86 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

* Note: Footage Measurements read by 10' on chips

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	NTS No.
May 15/86	May 17/86			BEARING		ANGLE	Dome Mtn.	IN BOXES.	93 C/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES			Sheet 3 of 4
Lat	Elev	Dip -70°	536'				-72	Lat	Elev.	Dip	HOLE No.
Dep	Length 616'	Bearing [014]						Dep	Length	Bearing	86-44

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
234' 71.34	267' 81.40m		Alted Green & Maroon andesite intermixed med grained w/ minor quartz veinlets										
267' 81.40m	429 130.79m		Green and Maroon Volcaniclastics, fragments up to 5cm in length, some quartz & calcite veinlets										
429 130.79	434' 133.81		Pale green bleached dust tuff, disseminated pyrite, with minor chalcopyrite in quartz veinlet										
			Sample 130.79m - 131.79m				5161	1.0 m	.03	.03	.04	.15	.039
			Sample 131.79 - 132.79				5162	1.0 m	.13	.01	.02	.16	.039
			Sample 132.79m - 133.84m				5163	1.05 m	.01	.01	.01	.01	.003
429' 133.81	499' 152.13m		Alternating Green & Maroon Volcaniclastic Andesite					18.29 m	← not sampled →				
499' 152.13	509' 155.18		Altered tuff, foliated with minor pyrite (alteration zone)				5164	1.0 m	.01	.01	.01	.02	.001
			Sample 152.13m - 153.13m				5165	1.0 m	.03	.01	.01	.07	.003
			Sample 153.13 - 154.15				5166	.84 m	.05	.05	.09	.20	.039
			~~Sample 154.13 - 154.97~~										
509' 155.18	510' 155.48		Mineralized Horizon, Abundant pyrite, with minor galena, and chalcopyrite										
			sample 154.97m - 155.29m				5167	.32 m	.41	.09	.12	1.50	.291
510'	516'		Pale green, altered tuff horizon				5168	1.0 m	.01	.01	.02	.01	.001
			Sample 155.29 - 156.29 m										

DRILL LOG 81

Date May 18/86 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
May 15/86	May 17/86	NQ		BEARING		ANGLE		Dome MOUNTAIN		BOULDER CK	93 C/10E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES			Sheet 4 of 4
Lat	Elev	Dip -70°	536'				-72	Lat.	Elev.	Dip	HOLE No.
Dep	Length 616'	Bearing [014]						Dep.	Length	Bearing	86-44

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
516'	616'		Med-Coarse grained Maroon/green Andesite									
157.31	187.80		E.O.H.									

DRILL LOG - 81

Date May 18/86 Logged By G. Cook

NORANDA EXPLORATION COMPANY LTD.

Date Collored	Date Completed	Core Size
MAY 16, 1986	MAY 18, 1986	NQ

FIELD CO-ORDINATES		
Lat	Elev	Dip
Dep	Length 649'/197.8m	Bearing 014°

DIP TESTS				
DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED
350'				-71°
500'				-73°

PROPERTY	PROJECT No	N.T.S No
DOME MOUNTAIN	BOULDER CK	93 L/10E

SURVEYED CO-ORDINATES			
Lat.	Elev.	Dip	Sheet 1 of 4
Dep.	Length	Bearing	HOLE No. T86-45

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
0.0'	6.0'	0%	No recovery, Casing						
6.0' 1.85m	5.79m		Green Andesite, with augite blebs, med grained						
5.79m	10.06m		Maroon Andesite, with epidotized quartz rich veinlets, small amount of calcite veinlets						
10.06m	12.29m		Green Andesite epidote rich, w/minor calcite veinlets						
12.29m	18.73m		Interfingering on avery 1-2cm green and pale maroon andesite, small quartz ± calcite veinlets, red hematitic blebs						
18.73m	21.49m		Green Andesite as above						
21.49m	40.85m		Maroon/Purple Andesite, quartz flooded with veinlets, no very low sulphides < 1% med grained						
40.85m	480.8m		Grey/Green Andesite, minor calcite, red hematitic blebs dominate						

DRILL LOG - 81

Date MAY 18, 1986 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	N.T.S. No.
May 16/86	May 18/86	NQ					Dome Mtn	Boulder Ck	93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES		Sheet 2 of 4
Lat	Elev	Dip	350'				-71°	Lat.	Elev.	Dip	HOLE No.
Dep	Length 649'/197.86m	Bearing [014]	500'				-73°	Dep.	Length	Bearing	T86-45

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
48.08m	49.67m		Maroon Andesite, abundant calcite veinlets						
49.67m	56.09m		Grey/Green Andesite with minor calcite veinlets some hematitic blebs.						
56.09m	61.98m		Maroon Andesite flooded with calcite veinlets, small quantity of thin quartz veinlets						
61.58m	69.82m		Grey/Green Andesite with minor quartz & calcite veinlets.						
69.82m	74.23m		Grey/Maroon Andesite with a small number of large clasts						
74.23m	74.53m		Maroon tuff. Core = bedding @ 46°						
74.53m	77.11m		Maroon andesite, calcite flooded, red hematitic blebs.						
77.11m	80.84m		Grey/Green Andesite.						

DRILL LOG #1

Date 19.05.86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	NTS No.
May 16/86	May 18/86	NQ		BEARING		ANGLE		Dome mountain	Boulder Ck	93 C/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES		Sheet 3 of 4
Lat	Elev	Dip	350'				-71°	Lat.	Elev.	Dip	HOLE No.
Dep	Length 649' / 197.76 m	Bearing [014]	500'				-73°	Dep.	Length	Bearing	TBB-45.

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
80.84m	88.26m		Maroon tuff, very thinly bedded, minor calcite blebs in some regions. core/bedding ± 40°										
88.26m	89.26m		Green Andesite, fine grained										
89.26m	100m		Maroon Andesite, with calcite and red blebs.										
100.0m	101.83m		Green Andesite, fine grained, with minor calcite										
101.83m	112.47m		Maroon Andesite, with minor calcite veinlets some < 5% hematite blebs.										
112.47m	138.11m		Dominantly Maroon Volcaniclastics with <10% green Andesite clasts.										
138.11m	142.84m		Pale green/pale maroon Volcaniclastic alteration zone.	141.84 - 142.84m			5169	1.0 m	.12	.01	.01	.34	.018
				142.84 - 143.20			5170	.36 m	.86	.02	.02	.79	.439
142.84m	143.20m		ORE ZONE, ≈ 30% sulphides, quartz gangue pyrite with lesser quantities of chalco, and sphalerite	143.20 - 144.20			5171	1.0 m	.01	.01	.02	.02	.008

DRILL LOG 81

Date 19/05/86 Logged By G. LEASIK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No	N.T.S. No
May 16/86	May 18/86	NQ		BEARING		ANGLE	Dome Mountain	Boulder Ck	93 L/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED / CORRECTED	SURVEYED CO-ORDINATES		Sheet 4 of 4
Lat	Elev	Dip	350'			-71°	Lat.	Elev. / Dip	HOLE No.
Dep	Length 649' / 197.86m	Bearing [014]	500'			-73°	Dep.	Length / Bearing	T86-45

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
143.20m	144.20m		Pale green Altered andesite with some pyrite present along foliations						
144.20m	153.66m		Maroon Volcanic lastic with ≈ 10% green andesite clasts.						
153.66m	159.44m		Pale green/Pale Maroon Andesite, Alteration Assemblage						
159.44m	160.98m	✱	Pyrite foliated tuff, with minor sulphide poor quartz veinlets Sample.						
160.98m	170.01m		Pale green/Pale Maroon Altered Andesite/tuff foliated some clay gouge with minor disseminated pyrite.						
170.01	197.86m		Green & Pale Maroon Andesite, quite course grained & gritty to E.O.H same as T86-44 Footwall.						

still to sample ✱

DRILL LOG 81

Date 19/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	N.T.S. No
MAY 19, 1986	MAY 20, 1986	NQ		BEARING		ANGLE		ODME MTN	BOULDER CK	93 C/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES		Sheet 1 of 7
Lat	Elev	Dip -70°	30'				-70°	Lat.	Elev.	Dip	HOLE No.
Dep	Length 191.10m	Bearing 014° Az	589'				-71°	Dep	Length	Bearing	186-46

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
0.0.	2.74m	0%	No recovery Casing						
2.74m	6.40m		Green Andesite, pale grained, epidote rich, w/ minor calcite veinlets						
6.40m	8.54m		Maroon Andesite with abundant calcite veinlets could be calcite cemented						
8.54m	13.91m		Maroon tuff with minor calcite veinlets core/bedding angle 60° 60°						
13.91m	14.61m		Green andesite, very dense ie fine grained						
14.61m	16.77m		Maroon tuff, thinly laminated core/bedding angle 60°						
16.77m	17.38m		Dense green andesite.						
17.38m	22.71m		Maroon tuff, thinly laminated C/b ∡ 45°						

DRILL LOG - 83

Date MAY 20/1986 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collored	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	N.T.S. No.
May 19/86	May 20/86	NQ		BEARING		ANGLE	Dome mtn	Boulder ck	93 L/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES	Sheet 2 of 7
Lat	Elev	Dip -70°	30'				-70°	Lat / Elev / Dip	HOLE No.
Dep	Length 191.1m	Bearing [014]	589'				-71°	Dep / Length / Bearing	86-46

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
22.76m	27.29m		Green andesite, very fine grained with minor calcite veinlets.						
27.29m	28.66m		Maroon Andesite, dacite, fine grained						
28.66m	32.66m		Green/Gray Andesite with minor calcite veinlets, fine grained						
32.66m	33.06m		Maroon, Andesite, with minor calcite veinlets						
33.06m	33.66		Green Andesite with minor calcite veinlets med grained						
33.66m	33.71m		Clay Altered brecciated gouge 3m. quartz cemented						
33.71m	33.91m		Green Andesite with minor calcite veinlets						
33.91m	34.57m		Med grained maroon Andesite with minor calcite veinlets						

DRILL LOG - 81

Date 20/05/86 Logged By B. LEASIK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
May 19/86	May 20/86	NQ		BEARING		ANGLE		Dome Mtn		Boulder Ck	93 L/10E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES			Sheet 3 of 7
Lat	Elev	Dip -70°	30'				-70°	Lat.	Elev.	Dip	HOLE No.
Dep	Length 191.1m	Bearing [014]	589'				-71°	Dep	Length	Bearing	T86-46

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
34.57	38.90		Grey Green Andesite medium grained with minor calcite veinlets									
38.90	39.00m		Clay gouge Shear zone.									
39.00m	42.37m		Maroon Volcanic Tuff with minor calcite veinlets									
42.37m	45.91m		Maroon Volcaniclastic clasts up to 10cm in size									
45.91m	49.00m		Pale green Volcaniclastic, Autobreccia some minor pyrite in quartz veinlets									
49.00m	56.69m		Maroon Autobreccia, coarse fragments with minor calcite veinlets									
56.69m	63.64m		Green Andesite flow breccia with minor pyrite in quartz veinlets									
63.64m	73.24m		Green/Maroon Volcanic Hyaloclastic Autobreccia with minor calcite veinlets									

DRILL LOG - 81

Date 20/05/86 Logged By G.LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No	N.T.S. No
May 17/86	May 20/86	NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome Mtn.	Duncan Ck.	93 L/10 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES		Sheet 4 of 7
Lat	Elev	Dip -70°	30'				-70°	Lat.	Elev.	Dip	HOLE No.
Dep	Length 191.1m	Bearing [014]	587'				-71°	Dep	Length	Bearing	TB6-96

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
73.24m	73.26m		Quartz veinlet with abundant Pyrite						
73.26m	78.13m		Green Andesite breccia (Volcaniclastic) mainly green andesite fragments with minor maroon component						
78.13			Quartz vein very thin w/ pyrite						
78.13	100.27m		Green Volcaniclastic Autobreccia as above, with minor pyrite in Some <3mm thick Quartz veinlets, maroon fragment ≈ 30%						
100.27	103.32m		Maroon Volcaniclastic, upto 10cm fragments 30% green andesite fragments.						
103.32m	105.17m		Green andesite with minor fragmental component						
105.17	109.95m		Maroon Volcaniclastic, with minor calcite veinlets ≈ 20% green andesite fragments						
109.95m	118.60m		Green Volcaniclastic w/ minor calcite & quartz veinlets minor maroon fragmental component.						

DRILL LOG #1

Date 21/05/86 Logged By G.LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No.	NTS No.
May 19/86	May 20/86	NQ		BEARING		ANGLE		Dome Mtn.	Boulder Ck	93 L/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES		Sheet 5 of 7
Lat	Elev	Dip -70°	30'				-70°	Lat.	Elev.	Dip	HOLE No.
Dep	Length 191.1 m	Bearing [014]	589'				-71°	Dep.	Length	Bearing	T86-46

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
118.6m	124.85m		Maroon Volcaniclastic w/ minor quartz/ calcite veinlets.									
124.85m	126.05m		Green Andesite Volcaniclastic with minor calcite veinlets, some pyrite in veinlets < 2mm thick.									
126.05	128.05m		Maroon Volcaniclastic as above.									
129.05m	128.50m		Green Volcaniclastic as above									
128.50	128.55m		quartz veined with pyrite & 40% pyrite									
128.55m	129.00m		Green Volcaniclastic fragments quite faint									
129.00m	131.0m		Green Andesite med grained									
131.0m	137.0m		Green/Maroon Volcaniclastic with minor calcite veinlets									

DRILL LOG - 81

Date 21/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	N.T.S. No.
May 19/86	May 20/86	NQ		BEARING		ANGLE	Dome MTN.	BOULDER CK	93 C/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES			Sheet 6 of 7
Lat	Elev	Dip -70°	30'				-70°	Lat.	Elev	Dip	HOLE No.
Dep	Length 191.1m	Bearing [014]	589'				-71°	Dep.	Length	Bearing	786-46

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
133.0m	133.20m		Green Med grained Andesite										
133.20	133.30		Quartz sericite with 25% pyrite.										
133.30m	134.14m		Green/Maroon Volcaniclastic, clasts up to 10cm										
134.14	134.28		Altered pale maroon volcaniclastic possible clay gouge shear zone.										
134.28m	138.87m		Pale green/Pale Maroon fragmental. slightly altered										
138.87m	142.99m		Maroon Andesite with abundant calcite fragment fillings										
142.99m	147.00m		Green/Maroon Andesite slightly altered.										
147.0m	148.0m		altered pale green andesite Sample 147-148m				5172	1.0m	.05	.01	.02	.05	.001

DRILL LOG #1

Date 21/05/86 Logged By G. CEASE

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
May 19/86	May 20/86	NQ		BEARING		ANGLE		Dome Mtn.		Boulder Ck.	93 E/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES			Sheet 7 of 7
Lat	Elev	Dip -70°	30'				-70°	Lat.	Elev.	Dip	HOLE No.
Dep	Length 191.1m	Bearing [014]	589'				-71°	Dep.	Length	Bearing	T86-46

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
148.0m	148.5m		ORE ZONE strongly foliated 2% 20% pyrite with minor galena in quartz gangue Sample 148.0 - 148.5				5173	.5 m	.19	.08	.06	.93	.032
148.5	149.5m		Slightly Altered green andesite breccia footwall with minor calcite veinlets Sample 148.5 - 149.5 m				5174	1.0 m	.02	.01	.05	.05	.009
149.5m	191.10m		Green Andesite with minor maroon component with thin calcite veinlets. E.O.H.										

DRILL LOG - 81

Date 21/05/86 Logged By R. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collored	Date Completed	Core Size NQ	DIP TESTS					PROPERTY Dome Mountain		PROJECT No. Boulder Ck	N.T.S. No. 93 L/10E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 1 of 4
Lat	Elev	Dip -70°	25'				-70°	Lat.	Elev.	Dip	HOLE No.
			250'				-60°?				
Dep	Length 243.6m	Bearing 0140	799'				-70°	Dep.	Length	Bearing	T86-47

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
0.0m	6.09m		No recovery, Casing									
6.09m	11.76m		Maroon Andesite, fairly dense. non brecciated, med grained									
11.76m	21.51m		Maroon Volcaniclastic, v/minor green Volcaniclastic component									
21.51m	22.51m		Green andesite, trending into maroon Volcaniclastic at base ≈ 10cm transition									
22.51m	23.66m		Maroon Volcaniclastic with ≈ 30% green fragment component									
23.66	27.13m		Green Volcaniclastic with ≈ 10% maroon fragments.									
27.13m	30.17m		Green Andesite with 3mm thick quartz veinlet running // to core axis ≈ 10% pyrite.									
30.17	38.07m		Green Volcaniclastic, 30% maroon fragments.									

DRILL LOG - 81

Date MAY 21, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size NQ	DIP TESTS				PROPERTY Dome Mountain	PROJECT No. Boulder Cr	N.T.S. No. 93 L/11 E
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES	Sheet 2 of 4
Lat	Elev	Dip -70°	25'				-70°	Lat. Elev. Dip	HOLE No.
Dep	Length 243.6 m	Bearing [014]	250'				-60°	Dep Length Bearing	T86-47
			799'				-70°		

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
38.07m	70.99m		Green/Maroon Volcaniclastic section oscillates from dominately maroon to dominately green fragments throughout.										
70.99m	74.25m		Green Andesite, mod grained with minor calcite veinlets										
74.25m	103.95m		Maroon Volcaniclastic, abundant calcite blotches & veinlets, fragments range up to 10cm										
103.95m	117.78m		Alternating green & maroon volcaniclastic with minor calcite veinlets										
117.78m	121.65m		Alteration zone, bleached out pale maroon and green andesites, some epidotization with minor quartz veinlets, low % Sulphides (pyrite with disseminated pyrite										
			Sample 117.78 - 118.78m				5175	1.0	.01	.01	.01	.02	.004
			Sample 118.78 - 119.78m				5176	1.0	.01	.01	.01	.02	.001
			119.78 - 120.78m				5177	1.0	.01	.01	.01	.01	.001
			120.78m - 121.78m				5178	1.0	.02	.01	.01	.02	.001
121.78m	122.85m		Slightly altered, green and maroon andesites.										

DRILL LOG - 81

Date MAY 21, 1986 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No	N.T.S. No
		NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome Mountain	Boulder Ck	93 E/10E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES		Sheet 3 of 4
Lat	Elev	Dip -70°	25'				-70°	Lat.	Elev.	Dip	HOLE No.
			250'				-60°				
Dep	Length 243.6	Bearing [014]	799'				-70°	Dep	Length	Bearing	T86-47

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
122.85m	129.49m		Alternating every 30cm green and Maroon andesite with minor calcite veinlets										
129.49	129.73		Altered pale green andesite with disseminated pyrite										
129.73	131.35m		Maroon Andesite w/ minor calcite veinlets										
131.35m	131.75m		Pale green/white altered andesite with minor pyrite										
131.75m	133.61m		Maroon Andesite with minor green andesite component	133.61 - 134.61			5179	1.0 m	.01	.01	.02	.01	.001
				134.61 - 135.61			5180	1.0 m	.02	.01	.03	.02	.001
133.61m	140.29m		Alteration zone, strongly foliated no distinct quartz veins minor pyrite dissemination	135.61 - 136.61			5181	1.0 m	.01	.01	.01	.01	.001
				136.61 - 137.61			5182	1.0 m	.02	.01	.02	.06	.008
				137.61 - 138.61			5183	1.0 m	.01	.01	.02	.05	.011
140.29	142.53		Green/Maroon fragmental volcanic clasts up to 30cm of green andesite	138.61 - 139.61			5184	1.0 m	.02	.04	.02	.03	.005
				139.61 - 140.29			5185	0.68 m	.01	.02	.02	.02	.001
142.53	143.43		Green Andesite with thin quartz veinlets x 6% in the thin veinlets										

DRILL LOG - 81

Date MAY 21, 1986 Logged By G CLEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	N.T.S No.
		NQ	DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	Dome Mtn.	Boulder Cr.	93 C/16 E
FIELD CO-ORDINATES								SURVEYED CO-ORDINATES		Sheet 4 of 4
Lat	Elev	Dip -70°	25'				-70°	Lat.	Elev.	Dip	HOLE No.
			250'				-60°				T86-47
Dep	Length 243.6 m	Bearing [014]	799				-70°	Dep.	Length	Bearing	

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
143.43	161.23m		Green/Maroon Volcanic Breccia in and out of dominately maroon to dominately green each ≈ 15cm. w/ calcite veinlets.						
161.23m	164.41		Maroon Volcaniclastic with 15% green andesite fragments.						
164.41	176.00m		Green/Maroon Volcanic breccia segm large fragments with minor quartz ± calcite veinlets						
176.00m	191.60m		Dense green Andesite with minor quartz ± calcite veinlets.						
191.60m	243.60m E.O.H		~~Green and Maroon Andesite~~ fragmental with abundant calcite veinlets. E.O.H.						

DRILL LOG - 81

Date 21/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY	PROJECT No	N.T.S. No
MAY 21/86	22/05/86	NQ		BEARING		ANGLE		Dome Mtn	Boulder Ck	93 L/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES		Sheet 1 of 5
Lat	Elev	Dip -55°	499'				-62°	Lat.	Elev.	Dip	HOLE No
Dep	Length 152.09m	Bearing ~~014°~~ 009						Dep.	Length	Bearing	T86-48

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
0.0m	4.27m	0%	No recovery, Casing						
4.27m	39.78m		Dark green Andesite with minor calcite veinlets & blotches. @ 14m 1cm thick // to core quartz vein 40% pyrite						
39.78m	39.98m		Chloritized broken up Green andesite with thin quartz veinlets						
39.98m	45.55m		Dark green Andesite, as above						
45.55m	46.25m		Maroon tuff, finely laminated C.A bedding 46°						
46.25m	51.60m		Green/Maroon Andesite, with minor calcite veinlets & red hematitic blebs						
51.60m	51.81m		Epidotized green Andesite with quartz veinlets.						
51.81m	54.97m		Green/Green Andesite epidotized on fractures minor calcite veinlets						

DRILL LOG 81

Date 22/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY	PROJECT No.	N.T.S. No.
May 21/86	May 22/86	NQ		BEARING		ANGLE	Dome Mtn	Boulder Ck	93 C/10 E
FIELD CO-ORDINATES			DEPTH	RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES			Sheet 2 of 5
Lat	Elev	Dip -55°	499'				-62°	Lat.	Elev	Dip	HOLE No.
Dep	Length 152.07	Bearing [007]						Dep.	Length	Bearing	T86-48

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
54.97m	55.27		Maroon andesite, calcite floaded w/ red hamitite platches						
55.27m	56.85m		Grey/Green andesite, epidote v calcite floaded.						
56.85m	61.74m		Pale green Epidote rich andesite, with slickensided fracture surfaces, with minor thin calcite veinlets						
61.74m	65.19m		Grey/Maroon Andesite, a frequent calcite veinlets, chloritic zones within calcite veinlets						
65.19m	71.17m		Maroon Andesite, with abundant calcite veinlets, vesicles within andesite are filled with calcite						
71.17m	74.51m		Grey/Green andesite w/ calcite veinlets						
74.51m	83.84m		Maroon andesite, with epidote & calcite filled vesicules, with minor calcite veinlets						
83.84m	86.07m		Dark green andesite, broken up, zone of breakage associated with calcite veinlets						

DRILL LOG - 81

Date MAY 23, 1986 logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
May 21/86	May 22/86	NQ						Dome MTN.		Boulder Ck	93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 3 of 5
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip -55°	499'				-62°	Lat	Elev	Dip	HOLE No.
Dep	Length 152.09	Bearing [009]						Dep	Length	Bearing	T86-48

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
86.07m	93.63m		Maroon Andesite with calcite vesicules and veinlets						
93.63m	95.43m		Green Andesite with two distinct calcite veinlets ≈ 60° to one axis with individual pyrite crystals within						
95.43m	98.48m		Maroon Andesite with minor calcite veinlets red blotched. ie hematitic vesicules						
98.48m	98.98m		Green Andesite has 3cm wide quartz veinlet with minor pyrite						
98.98m	101.99m		Maroon Andesite with calcite veinlets, some epidote rich vesicules						
101.44m	102.01		Altered green Andesite, quartz rich strongly foliated.						
102.01	107.54m		Maroon Andesite with hematitic, and minor calcite veinlets						
107.54m	107.85m		Green Andesite with calcite veinlet ≈ 5cm thick						

DRILL LOG 81

Date 23/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S No
May 21/86	May 22/86	NQ						Dome Mountain		Boulder Ck	93 L/10 E
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 4 of 5
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip -55°	499'				-62°	Lat	Elev.	Dip	HOLE No.
Dep	Length 152.07 m	Bearing [009]						Dep	Length	Bearing	T86-48

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS Cu%	Pb%	Zn %	Ag (oz/t)	Au (oz/t)
107.85m	111.54m		Maroon Andesite, with minor calcite veinlets + hematitic vesicules										
111.54	116.98m		Hanging Wall Alteration Zone. Quartz flooded, abundant in spicule chlorite and calcite with red blebs.										
			Sample 111.54 - 112.54				5186	1.0	.01	.01	.01	.01	.001
			112.54 - 113.54				5187	1.0	.01	.01	.02	.01	.001
			113.54 - 114.54				5188	1.0	.01	.01	.03	.03	.001
			114.54 - 115.54				5189	1.0	.01	.01	.02	.01	.001
			115.54 - 116.54				5190	1.0	.01	.01	.12	.04	.005
			116.54 - 116.98				6191	.44	.01	.01	.17	.02	.002
116.98m	119.03m		ORE ZONE. Quartz zone ≈ 10% sulphides on average mainly pyrite with lesser quantities of sphalerite galena & chalcopyrite										
			add spec of barite										
			Sample 116.98 - 117.98				5192	1.0	.92	.37	.55	3.89	.668
			117.98 - 119.03				5193	1.05	.13	.05	.07	.84	.114
119.03m	122.58m		Footwall Alteration, pale maroon altered Andesite. with minor disseminated Pyrite				5194	1.0	.03	.01	.02	.04	.004
			Sample 119.03 - 120.03				5195	1.0	.01	.01	.02	.03	001
			120.03 - 121.03				5196	1.0	.01	.01	.02	.01	.002
			121.03 - 122.03										

DRILL LOG 81

Date 23/05/86 Logged By G. CLARK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	NTS No
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 5 of 5
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip						Lat.	Elev.	Dip	HOLE No
Dep	Length	Bearing						Dep	Length	Bearing	T86-48

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
122.58m	126.80m		Maroon Andesite with minor calcite veinlets									
126.80m	131.05m		Alteration zone, pale maroon/pale green andesite w/ minor disseminated pyrite.									
131.05m	134.12m		Maroon Volcaniclastic with chlorite in calcite veinlets									
134.12m	134.26m		Pyritic open spaced green Andesite									
134.26m	135.95m		Maroon Volcaniclastic									
135.95m	136.07m		Pale maroon & Green Altered Andesite with minor pyrite									
136.07m	152.09m		Alternating green/maroon Andesite with calcite veinlets small amount of pyrite present.									

DRILL LOG 81

Date 23/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
MAY 23, 1986	MAY 28/1986	NQ

FIELD CO-ORDINATES			
Lat	Elev	Dip	−75°
Dep	Length	Bearing	014°
	197.81m		

DIP TESTS					
DEPTH	BEARING		ANGLE		
	RECORDED	CORRECTED	RECORDED	CORRECTED	
250'				−73°	
500'				−72°	

PROPERTY	PROJECT No.	N.T.S No
DOME MOUNTAIN		Sheet 1 of 5

SURVEYED CO-ORDINATES			
Lat.	Elev.	Dip	HOLE No.
Dep.	Length	Bearing	T86-49

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
0.0m	3.66m	0%	No recovery, Casing						
3.66m	4.57m		Weathered Green Andesite						
4.57m	4.73m		Cobbles-						
4.73m	39.92m		Green Andesite, med grained, with minor calcite veinlets						
39.92m	41.40m		Epidotized, green Andesite with minor calcite veinlets						
41.40m	42.36m		Grey/Green Andesite w/ epidote rich vesicules						
42.36m	54.89m		Maroon Andesite with calcite amygdules and veinlets						
54.89m	55.53m		Green Andesite with minor calcite veinlets						

DRILL LOG 81

Date 25/05/86 Logged By G. LEASK

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 2 of 5
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip						Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing						Dep	Length	Bearing	T86-49

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
55.53m	57.36m		Green Andesite, with calcite veinlets Some individual Pyrite cubes in calcite veinlets						
57.36m	62.56m		Maroon Andesite, with red hemolitic vesicules, w/ minor calcite veinlets						
62.56m	72.28m		Grey green Andesite with mild epidotization w/ one large calcite veinlets very large calcite crystals.						
72.28m	73.62m		Maroon Andesite/Gulf Core → bedding angle 90° calcite rich						
73.62m	76.75m		Grey/Maroon Andesite with red vesicules.						
76.75m	80.36m		Maroon Andesite, Calcite flooded w/ minor calcite veinlets						
80.36m	87.18m		Grey/Green Andesite with epidote rich calcite filled fractures.						
87.18m	94.12m		Maroon Andesite w/ abundant calcite						

DRILL LOG - B1

Date 25/05/86 Logged By Gordon Leask

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 3 of 5
				RECORDED	CORRECTED	RECORDED	CORRECTED			
Lat	Elev	Dip						Lat.	Elev.	Dip
Dep	Length	Bearing						Dep	Length	Bearing

HOLE No. T86-49

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
94.12m	102.99m		Grey/Green Andesite w/ calcite veinlets w/ epidotized fractures						
102.99m	114.18m		Maroon tuff, with abundant calcite particles med → very finely laminated core - bedding @ 50°						
114.18m	114.58m		Fine grained green ANDESITE						
114.58m	136.85m		Fine grained Maroon Andesite, no distinct fragments (possible massive tuff?)						
136.85m	157.36m		Maroon Volcaniclastic, fragments up to 10cm thick.						
157.36m	159.88m		Green Volcaniclastic, with minor calcite fragments						
159.08m	162.36m		Maroon Volcaniclastic, w/ minor calcite veinlets						
162.36m	162.69		Chloritized, foliated maroon fragmental Shear Zone.						

DRILL LOG - 83

Date 25/05/86 Logged By G. LEASK

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 4 of 5
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip						Lat.	Elev	Dip	HOLE No.
Dep	Length	Bearing						Dep	Length	Bearing	TBG-49

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
162.69m	164.08m		Pale green/Pale maroon Andesite with Alteration (chloritic) Sample 163.08m - 164.08m				S197		
164.08m	164.28m		ORE ZONE 2 20% sulphides mainly pyrite with galena, sphalerite & chalcopyrite in lesser quantities Sample 164.08m - 164.28m Sample 164.28m - 165.28m				S198 S199		
164.28	172.49m		Alteration Zone Pale maroon Andesite with quartz-carbonate alteration strongly foliated						
172.49m	172.59m		Quartz vein with abundant galena & pyrite & sphalerite						
172.59m	182.63m		Pale Maroon/Pale Green Altered Andesite Some epidote and fucite alteration						
182.63m	185.68m		Gray Altered Andesite with disseminated pyrite Sample 182.63 - 183.63				S200		
			183.63 - 184.63 184.63 - 185.68				S201 S202		
185.68m	185.98m		ORE ZONE Quartz Gangue Mineralization mainly pyrite with subordinate galena and sphalerite with chalcopyrite Sample 185.68 - 185.98m				S203		

DRILL LOG - 81

Date 26/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 5 of 5
Lat	Elev	Dip						Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing						Dep	Length	Bearing	T86-49

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
185.98m	186.98m		Altered Pale Maroon Andesite									
186.98	187.65m		Altered Pale green Andesite fragmental									
187.65m	188.66m		Gray Gouge zone ie Alteration									
188.66	189.26		Dense green Andesite									
189.26	197.81m		Maroon Gritty Andesite E.O.H.									

DRILL LOG - 81

Date 26/05/86 Logged By G. CoASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size
MAY 25, 1986	MAY 26, 1986	NQ

FIELD CO-ORDINATES			
Lat	Elev	Dip	-90°
Dep	Length 216.46m/710'	Bearing	

DIP TESTS				
DEPTH	BEARING		ANGLE	
	RECORDED	CORRECTED	RECORDED	CORRECTED
710'				-82°

PROPERTY	PROJECT No.	N.T.S. No
DOME		

SURVEYED CO-ORDINATES			
Lat.	Elev.	Dip	HOLE No.
Dep.	Length	Bearing	T86-50

Sheet 1 of 7

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
0.0m	1.52m		NO recovery, Casing						
1.52m	35.07m		Green Andesite, med grained, with minor calcite veinlets, with abundant chlorite amygduloids						
35.07m	42.40m		Grey/Maroon Andesite, with minor epidote veinlets some calcite veinlets Some chloritic vesicules						
42.40m	43.18m		Green Andesite, with 2cm thick calcite vein, abundant chlorite vesicules						
43.18m	45.73m		Grey/Maroon Andesite with thin calcite veinlets and thin epidote veinlets						
45.73m	47.33m		Grey/Green Andesite with abundant red vesicules & thin epidote veinlets						
47.33m	47.77m		Maroon tuff, thinly laminated core & bedding @ 55°						
47.77m	57.48m		Grey Maroon → Grey Green Andesite with thin calcite veinlets						

DRILL LOG 83

Date 26/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No	NTS No
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 2 of 7
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip						Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing						Dep	Length	Bearing	T86-50

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
57.48m	64.0m		Grey/Maroon Andesite, slightly epidotized w/minor calcite veinlets, w/ red hemithic blebs									
64.0m	71.15m		Green Andesite, Med grained with minor calcite veinlets up to 1cm thick chlorite filled vesicules abundant									
71.15m	76.20m		Maroon Andesite, with abundant calcite filled veinlets & vesicules.									
76.20	76.25		Epidote rich veinlets some distinct ~~plag~~ orthoclase felspar present.									
76.25m	78.70m		Maroon Andesite, with epidotized veinlets									
78.70m	79.4m		Epidote rich vein, of altered maroon andesite.									
79.40m	80.09m		Maroon Andesite dense									
80.09m	87.61m		Green Andesite, with abundant chloritic vesicules w/minor calcite veinlets									

DRILL LOG - 81

Date 26/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY		PROJECT No	N.T.S No
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 3 of 7
Lat	Elev	Dip						Lat	Elev.	Dip	HOLE No.
Dep	Length	Bearing						Dep	Length	Bearing	T86-50

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
87.6m	88.11m		Maroon Andesite									
88.11m	90.01m		Grey Green Andesite with chloritic & hematitic blebs									
90.01m	93.58m		Maroon Andesite with abundant calcite veinlets & vesicules.									
93.58m	109.34m		Maroon tuff, fine grained, thinly laminated w/ thin rare calcite veinlets Core → bedding angle ≠ 75°									
109.34m	119.47m		Green/Maroon fragmental Volcanic									
119.47m	121.62m		Maroon Andesite, aced grained, with rare calcite veinlets.									
121.62m	122.86m		Green Volcaniclastic, with large calcite veinlets									
122.86m	131.31m		Maroon Volcaniclastic, ≥ 30% green Andesite fragments									

DRILL LOG 81

Date 26/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS				PROPERTY		PROJECT No.	NTS No
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES		Sheet 4 of 7
				RECORDED	CORRECTED	RECORDED	CORRECTED			
Lat	Elev	Dip						Lat	Elev	Dip
Dep	Length	Bearing						Dep	Length	Bearing

HOLE No. T86-50

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No	Width	ASSAYS
131.31m	132.46m		Green fragmental volcanic						
132.46m	135.73		Maroon ~~ash~~ Volcanic Fragmental.						
135.73m	137.06m		Green Volcaniclastic with two thin quartz veins < 4cm thick midway in zone w/small % pyrite						
137.06m	150.45m		Maroon Volcaniclastic with rare calcite veinlets < 10% green andesite clasts						
150.45m	161.54m		Green/Maroon Volcaniclastic Alternating with abundant calcite veinlets						
161.54	161.56		Quartz vein in & to hole ± 20% pyrite						
161.56m	163.10		Alteration zone, slightly altered pale green/pale maroon andesite						
163.10m	163.14m		thin quartz vein ± 50% pyrite						

DRILL LOG - 83

Date 28/05/86 Logged By G. LEASK

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 5 of 7
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip						Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing						Dep	Length	Bearing	T86-50

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No	Width	ASSAYS			
163.14	165.24		Alteration Zone, slightly altered pale green and pale maroon andesite.									
165.24m	165.69m		Alteration Zone, intensely altered with 3cm wide Q.V. running Q 80° to core axis, mineralized with pyrite.									
165.69m	169.05m		Alteration Zone, pale green/pale maroon andesite with minor disseminated pyrite with rare pyritic quartz veinlets									
169.05m	171.68m		Maroon andesite, w/rare calcite veinlets with indiscreet maroon fragments									
171.68m	176.78m		Alteration Zone, mildly altered green and maroon andesite, w/minor calcite veinlets									
176.78m	183.91m		Maroon Andesite, gritty texture w/rare thin calcite veinlets									
183.41m	184.91		Alteration Zone, mildly altered maroon andesite									
184.91	184.97		Clay Gouge Zone									

DRILL LOG - 81

Date 29/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collored	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No	N.T.S No
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 6 of 7
Lat	Elev	Dip						Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing						Dep.	Length	Bearing	T86-50

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
184.97	185.27		Altered green andesite strongly foliated, with minor <1% pyrite						
185.27	185.31		Quartz vein, 3x 50% pyrite						
185.31	185.55		Altered green andesite, w/ pale purple component						
185.55	185.63		Quartz vein ≈ 30% pyrite						
185.63	185.92		Alteration zone, foliated altered green andesite						
185.92	185.96		Clay gouge						
185.96	186.80		Alteration zone, foliated pale green / pale maroon andesite						
186.80	186.86		Quartz vein, < 5% pyrite						

DRILL LOG - 83

Date 29/05/86 Logged By G.CEASE

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No	NTS No
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 7 of 7
Lat	Elev	Dip						Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing						Dep.	Length	Bearing	T86-50

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
186.86	187.05		Clay gouge fault zone.									
187.05	216.46 E.O.H.		Alternating grey green / Grey maroon mod Grained andesite									

DRILL LOG - 81

Date 29/05/86 Logged By G. CLERK

NORANDA EXPLORATION COMPANY LTD.

Date Collored	Date Completed	Core Size
26/05/86	27/05/86	NQ

FIELD CO-ORDINATES			
Lat	Elev	Dip	−45°
Dep	Length 142.68m/468'	Bearing	

DIP TESTS				
DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED
300'				−54°

PROPERTY	PROJECT No.	N.T.S. No.
SURVEYED CO-ORDINATES		Sheet 1 of 4
Lat. / Dep.	Elev. / Length	Dip / Bearing

HOLE No. T86-51

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
0.0m	13.72m		No recovery. Casing						
13.72m	19.77m		Green Andesite, fine grained w/ thin calcite veinlets						
19.77m	29.72m		Green Andesite w/ intermittent chert nodules						
29.72m	37.49m		Green Andesite, dominated by siliceous nodules (chert) and siliceous breccia (Some of this material was sent for assay before no Rich)						
37.49m	40.96m		Altered green Andesite Foliated quartz carbonate epidote Alteration zone.						
			Sample 37.49m - 38.49m				5204		
			38.49m - 39.49m				5205		
			39.49m - 40.49m				5206		
			40.49m - 40.96m				5207		
40.96m	42.39m		ORE ZONE 40.96 - 41.36 MASSIVE SULPHIDE ± 60% 30% pyrite 10% zinc, 5% Pb. 1% Arsenopyrite minor chalco.						

DRILL LOG 83

Date 29/05/86 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collored	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	NTS No
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES			Sheet 2 of 4
				RECORDED	CORRECTED	RECORDED	CORRECTED				
Lat	Elev	Dip						Lat	Elev	Dip	HOLE No.
Dep	Length	Bearing						Dep	Length	Bearing	T86-51

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
			41.36 - 41.76 Waste green Andesite 41.76 - 42.39 Q.V. with same as above. Very course grained pyrite w/ fine grained zone.						
			~~Sample 40.96 - 41.96~~ 41.96 - 42.39				5208 5209		
			42.39 - 43.89						
42.39m	58.10m		Green Andesite med grained w/ frequent calcite veinets and chloritic vesicules				5210		
58.10m	58.77m		Alteration Zone Pale green / Pale Maroon Andesite						
58.77	59.12m		Clay gouge fault zone						
59.12m	60.80m		Clay Altered green Andesite, badly broken up w/ minor calcite veinlets chlorite alteration as well.						
60.80m	61.30m		Mildly Altered Maroon Andesite						
61.30m	65.46m		Alteration Zone, Pale green Andesite Kaolinized ; chloritized with abundant calcite veinlets						

DRILL LOG 81

Date 30/05/86 Logged By G. LEASK

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 3 of 4
Lat	Elev	Dip		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing						Dep.	Length	Bearing	T86-51

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS
			Sample 61.30 - 62.30				5211		
			Sample 62.30 - 63.30				5212		
			S 63.30 - 64.30				5213		
			64.30 - 65.46				5214		
65.46m	66.55m		ORE ZONE Q.V. w/ abundant sulphide ± 40% sulphide						
			mainly pyrite ± 20%, 10% sphalerite 5% galena, 2% chalco. 2% arsenopyrite						
			Sample 65.46m - 66.55m				5215		
66.55m	67.55m		M.Idly altered pale Maroon Andesite. Sample 66.55m - 67.55m				5216		
67.55m	76.60m		Maroon/Green Volcanic clastic						
76.60m	85.53m		Broken up Maroon Andesite. w/ clay gouge fault zone.						

DRILL LOG - 81

Date 30/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Collared	Date Completed	Core Size	DIP TESTS					PROPERTY		PROJECT No.	N.T.S. No.
FIELD CO-ORDINATES			DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	SURVEYED CO-ORDINATES			Sheet 4 of 4
Lat	Elev	Dip						Lat.	Elev.	Dip	HOLE No.
Dep	Length	Bearing						Dep.	Length	Bearing	TB6-51

From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
85.53m	106.07m		Maroon/Green Volcan. clastic									
106.07	121.05m		Fault zone, Badly broken ground in maroon andesite, Kaolinized NO Sulphide Mineralization									
121.05m	125.70m		Maroon Andesite w/minor calcite veinlets tuffaceous									
125.70m	134.83m		Dense Green Andesite									
139.83m	142.68m		Grey Maroon/Grey Green Andesite E.O.H.									

DRILL LOG 81

Date 30/05/86 Logged By G. LEASK

APPENDIX 3

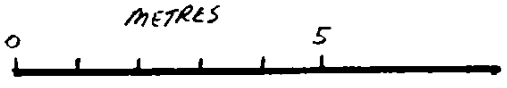
CANADIAN-UNITED MINERALS INC. TRENCH LOG

NTS: 93L/10	Property Name: DOME MTN	Location: BOULDER CK
Date: JULY 21/86	Logged by: J.M LEASK	Trench No. TR 86-1

UNALTERED MAROON AGGLOMERATE.

OVER BURDEN

MAX DEPTH 6m

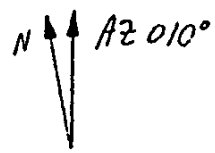


scale 1:125

Sample No.	Type	Width	ASSAY / GEOCHEM RESULTS

CANADIAN-UNITED MINERALS INC. TRENCH LOG

NTS: 93 L/10	Property Name: DOME MOUNTAIN	Location: BOULDER CK. ZONE
Date: July 22/86	Logged by: J. M LEASK	Trench No. TR 86-2



TR 86-2

QUARTZ-CARBONATE-PYRITE ALTERED FOLIATED AND SHEARED ANDESITIC TUFF.

SAMPLE #
1 TR86-2 6.9-7.4 m
2 TR86-2 7.4-7.9 m
3 TR86-2 7.9-8.4 m
4 TR86-2 8.4-8.9 m

QUARTZ VEIN. GALENA-PYRITE.

MASSIVE MAROON PORPHYRITIC AGGLOMERATE

MAX DEPTH 3 m

metres.
0 1 2 3 4 5 6 7 8

scale 1:125

FOLIATED AND SLIGHTLY ALTERED ANDESITIC MAROON TUFF. (QUARTZ-CARB)

ASSAY / GEOCHEM RESULTS

Sample No..	Type	Width	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t				
TR 86-2-1	CHIP	0.5 m	.08	.06	.04	1.36	.028				
TR 86-2-2	"	0.5 m	.27	.35	.24	3.85	.175				
TR 86-2-3	"	0.5 m	.03	.02	.03	.24	.018				
TR 86-2-4	"	0.5 m	.01	.01	.04	.02	.001				

CANADIAN-UNITED MINERALS INC.	TRENCH LOG	
NTS: 93 L/10	Property Name: DOME MTN.	Location: BOULDER CK
Date: JULY 23/86	Logged by: —	Trench No. TR 86-3

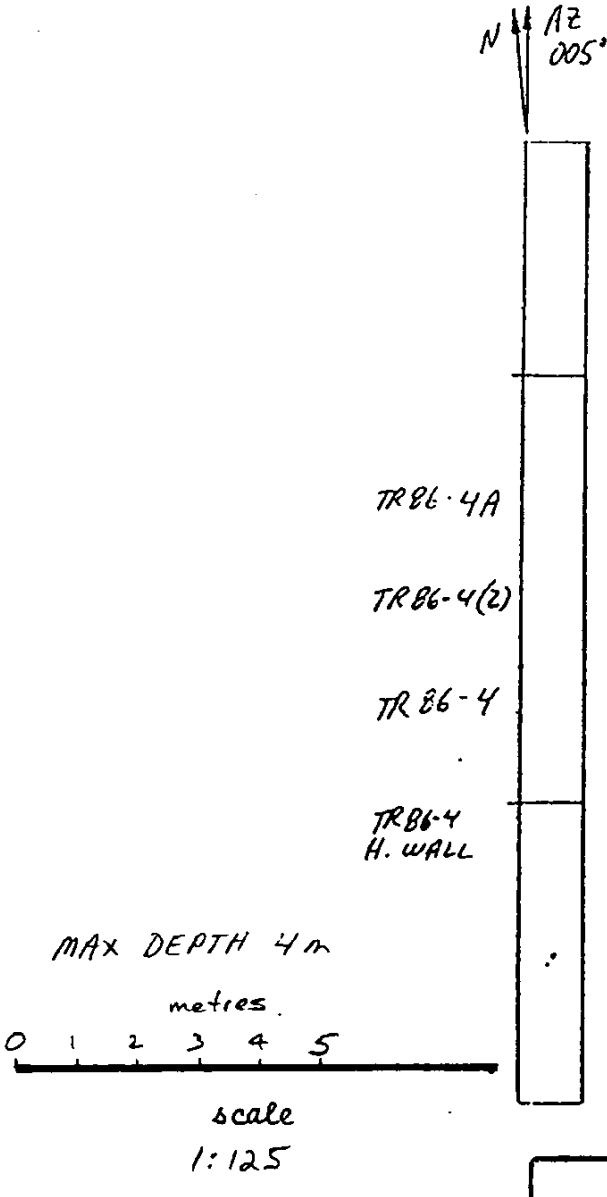
DID NOT REACH BEDROCK

DIMENSIONS
13m X 3m X 6m DEEP.

scale

Sample No.	Type	Width	ASSAY / GEOCHEM RESULTS								

CANADIAN-UNITED MINERALS INC.		TRENCH LOG
NTS: 93 L/10	Property Name: DOME MOUNTAIN	Location: BOULDER CK. ZONE
Date: July 23/86	Logged by: J.M LEPAK	Trench No. TR 86-4



TR 86-4

QUARTZ-CARBONATE-PYRITE-TALC ALTERATION ABUNDANT QUARTZ-PYRITE VEINLETS. ≈ 2% PYRITE

MASSIVE QUARTZ-PYRITE-GALENA SPHALERITE - ORE ZONE
5% DISSEM. SULPHIDES.

QUARTZ-CARBONATE PYRITE ALTERATION. ABUNDANT QUARTZ VEINS. 2% PYRITE.

ASSAY / GEOCHEM RESULTS

Sample No.	Type	Width	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t				
TR 86-4A	GRAB	/	.32	.49	1.37	2.28	.680				
TR 86-4(2)	"	/	.05	.02	.05	.37	.031				
TR 86-4	"	/	.34	.08	.08	2.77	.026				
TR 86-4 H. WALL	"	/	.01	.01	.02	.03	.010				

CANADIAN-UNITED MINERALS INC.	TRENCH LOG	
NTS: 93 L/10	Property Name: DOME MTN.	Location: BOULDER CK
Date: JULY 24/86	Logged by: —	Trench No. TR 86-5

DID NOT REACH BEDROCK

DIMENSIONS

14m x 3m x 6m DEEP

scale

Sample No.	Type	Width	ASSAY / GEOCHEM RESULTS								

CANADIAN-UNITED MINERALS INC.	TRENCH LOG	
NTS: 93 L/10	Property Name: DOME MTN	Location: BOULDER CK
Date: JULY 24/86	Logged by: : —	Trench No. TR 86-6

DIMENSIONS

37m x 3m x 8m DEEP

NOT SAMPLED DUE TO DEPTH

scale

Sample No.	Type	Width	ASSAY / GEOCHEM RESULTS								

CANADIAN-UNITED MINERALS INC.	TRENCH LOG	
NTS:	Property Name:	Location:
Date:	Logged by:	Trench No. TR 86-7

TRENCH TR 86-7 WAS NEVER DUG

scale

Sample No.	Type	Width	ASSAY / GEOCHEM RESULTS								

CANADIAN-UNITED MINERALS INC.	TRENCH LOG	
NTS: 93L/10	Property Name: DOME MTN	Location: BOULDER CK.
Date: JULY 28/86	Logged by: : —	Trench No. TR 86-8

DID NOT REACH BEDROCK

DIMENSIONS

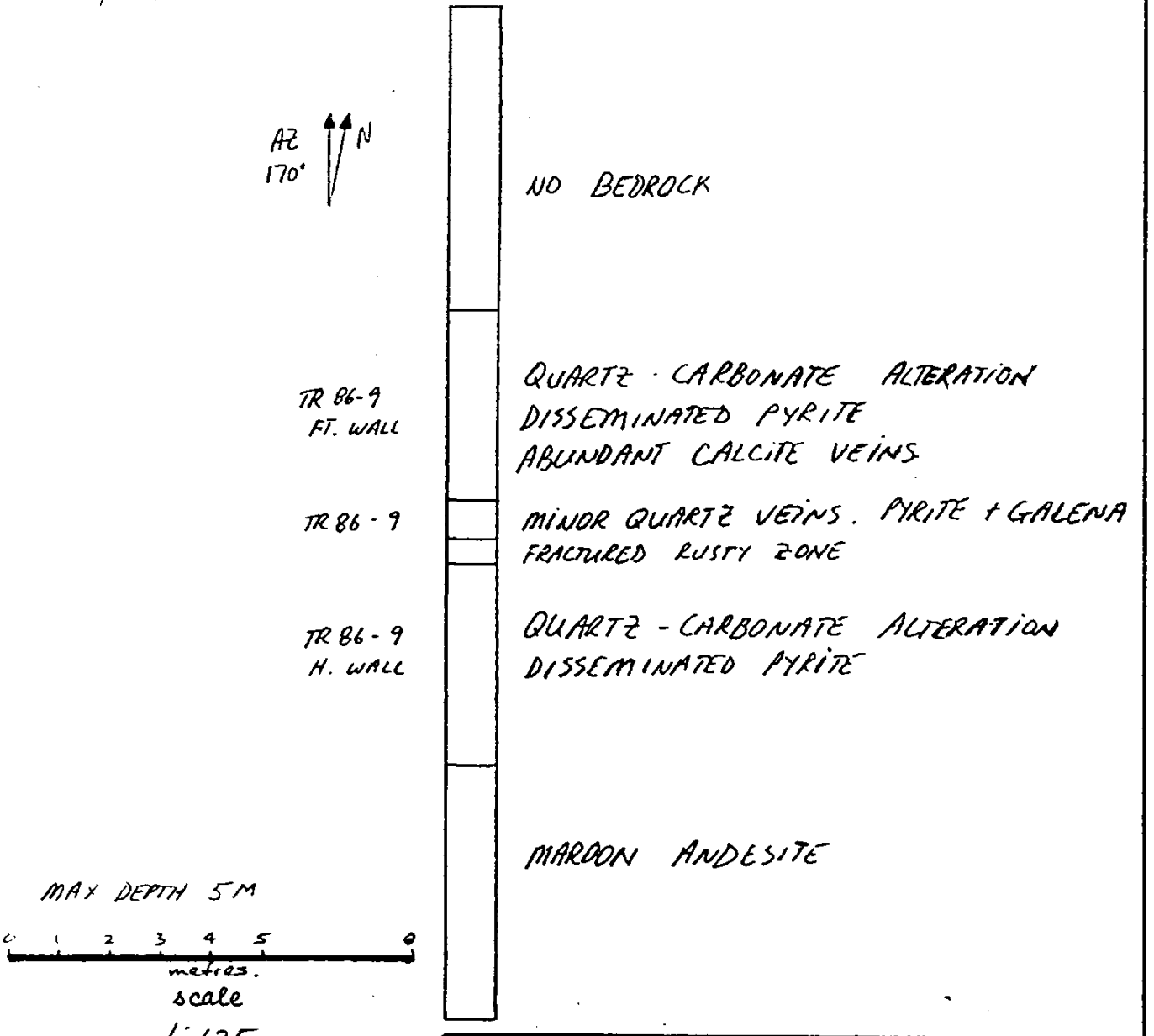
10m x 3m x 6m DEEP

scale

Sample No.	Type	Width	ASSAY / GEOCHEM RESULTS								

CANADIAN-UNITED MINERALS INC. TRENCH LOG

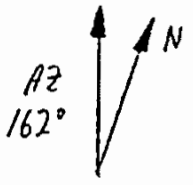
NTS: 93 L /10	Property Name: DOME MOUNTAIN	Location: BOULDER CK ZONE
Date: JULY 29/86	Logged by: : R. HELGASON	Trench No. TR 86-9



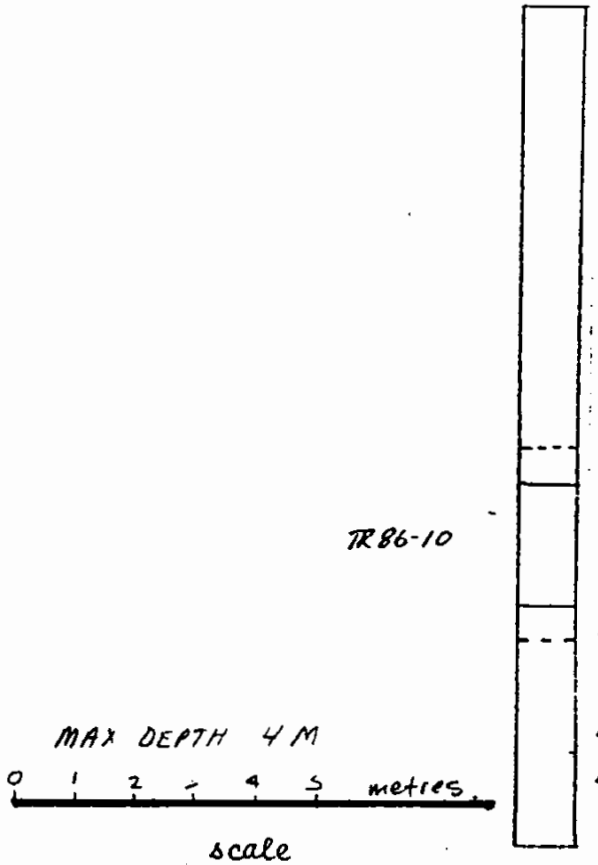
ASSAY / GEOCHEM RESULTS

Sample No.	Type	Width	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t				
TR 86-9 FT. WALL	GRAB	—	.34	.07	.06	.78	.042				
TR 86-9	"	—	.01	.01	.04	.03	.001				
TR 86-9 H. WALL	"	—	.19	.01	.02	.16	.002				

CANADIAN-UNITED MINERALS INC.	TRENCH LOG	
NTS: 93 L/10	Property Name: DOME MOUNTAIN	Location: CABIN VEIN
Date: July 30/86	Logged by: : J.M. LEASK	Trench No. TR 86-10



TR 86-10



VARIABLY ALTERED TO UNALTERED MAUVE - MAROON FRAGMENTAL ANDESITE. MINOR DISSEM. PYRITE

BLEACHED - PYRITIZED QUARTZ - CARB ALT.

QUARTZ - VEIN PYRITE + GALENA.

BLEACHED QUARTZ - CARB ALT.

FRESH MAUVE AGGLOMERATE.
BARREN QUARTZ - VEINS.

			ASSAY / GEOCHEM RESULTS								
Sample No.	Type	Width	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t				
TR 86-10	GRAB	—	.01	.01	.01	.03	.004				

CANADIAN-UNITED MINERALS INC. TRENCH LOG

NTS: 93 L/10	Property Name: DOME MTN	Location: CABIN VEIN
Date: JULY 30/86	Logged by: —	Trench No. TR 86-11

DIMENSIONS

16m x 3m x 6m DEEP

ALTERATION ZONE GRAB SAMPLED

scale

			ASSAY / GEOCHEM RESULTS								
Sample No.	Type	Width	Cu%	Pb%	Zn%	Ag oz/t	Au oz/t				
TR 86-11	GRAB	—	.38	.03	.04	.56	.011				

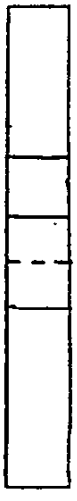
CANADIAN-UNITED MINERALS INC. TRENCH LOG

NTS: 93 L/10	Property Name: DOME MOUNTAIN	Location: CABIN VEIN
Date: July 31/86	Logged by: : R. HELGASON	Trench No. TR 86-12

AZ 170°

N

TR 86-12



NO ROCK

ANDESITE, GREEN.

ALTERATION ZONE MINOR QUARTZ VEIN

ANDESITIC AGGLOMERATE.

MAX DEPTH 5M

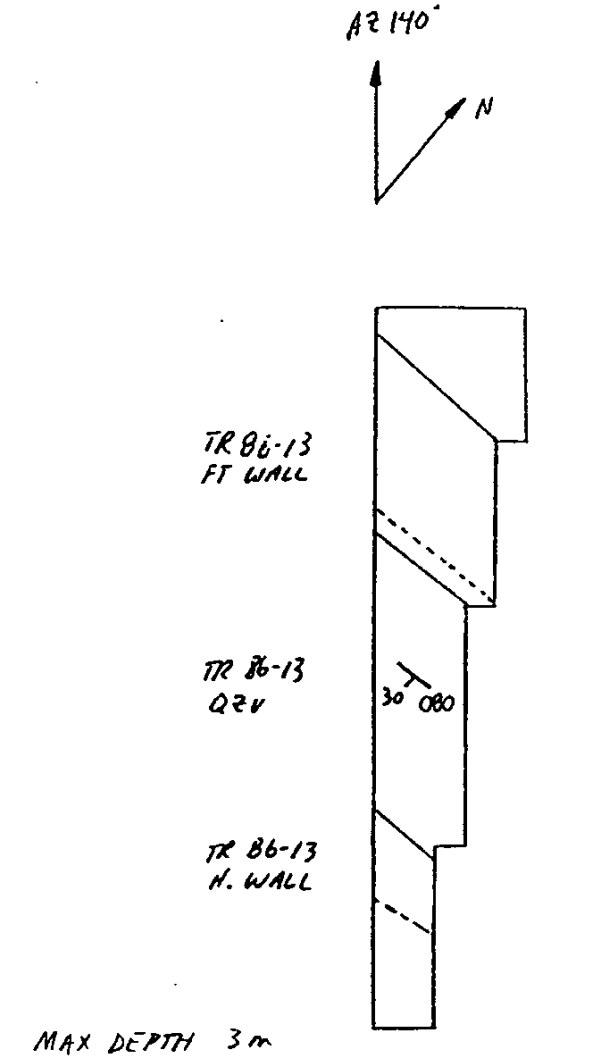
0 1 2 3 4 5 metres

scale 1:125

ASSAY / GEOCHEM RESULTS

Sample No.	Type	Width	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t				
TR 86-12	GRAB	—	.01	.01	.04	.02	.001				

CANADIAN-UNITED MINERALS INC.	TRENCH LOG	
NTS: 93 L/10	Property Name: Dome MOUNTAIN	Location: CABIN VEIN
Date: Aug 1/86	Logged by: : R. HELGASON	Trench No. TR 86-13



scale
1:125

TR 86-13

ANDESITE

BLEACHED RUSTY, PYRITIC ALTERATION

VERY RUBBLY. RUSTY ALTERATION

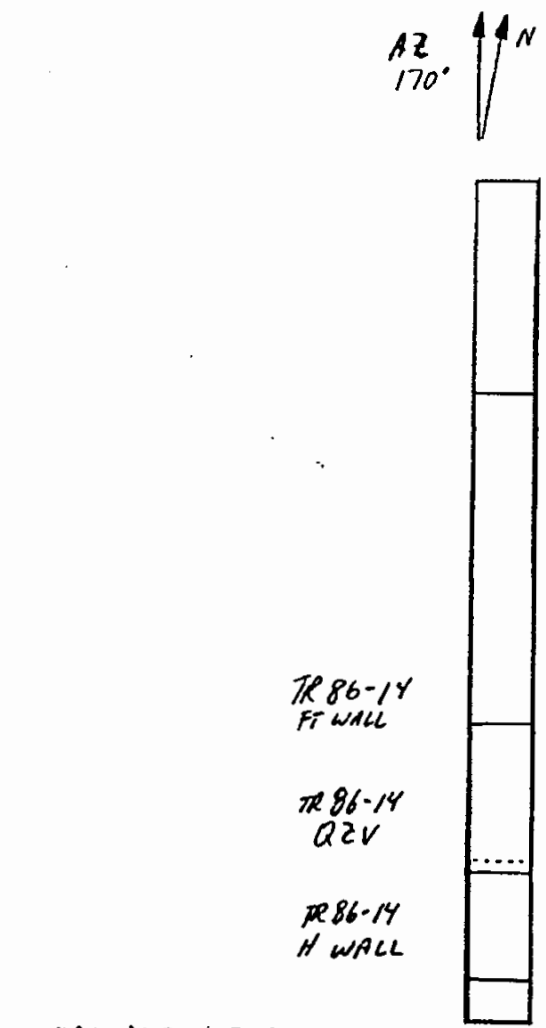
QUARTZ VEIN, PYRITE, GALENA CHALCOPYRITE.

ALTERATION ZONE, SHEARED, RUSTY RUBBLY, VERY FRIABLE.

			ASSAY / GEOCHEM RESULTS								
Sample No.	Type	Width	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t				
TR 86-13 FT. WALL	GRAB	—	.01	.01	.04	.01	.001				
TR 86-13 QZV	"	—	.23	.43	.67	3.28	.055				
TR 86-13 H. WALL	"	—	.17	.55	.11	.53	.058				

CANADIAN-UNITED MINERALS INC. TRENCH LOG

NTS: 93 L/10	Property Name: DOME MOUNTAIN	Location: CABIN VEIN
Date: Aug 1/86	Logged by: : R. HELGASON	Trench No. TR 86-14



TR 86-14

UNALTERED ANDESITE

ALTERATION ZONE
RUSTY, QUARTZ-CARBONATE

QUARTZ-CARBONATE-SERICITE ALT'N

QUARTZ VEIN PYRITE MINOR GALENA
VERY FRIABLE RUSTY ALTERATION

BLEACHED PYRITIC ALTERATION

UNALTERED ANDESITE

ASSAY / GEOCHEM RESULTS

Sample No.	Type	Width	Cu %	Pb %	Zn %	Ag oz/t	Au oz/t				
TR 86-14 FT. WALL	GRAB	/	.04	.01	.19	.04	.001				
TR 86-14 QZV	"	/	1.77	.05	.13	2.58	.024				
TR 86-14 H. WALL	"	/	.08	.12	.19	.07	.014				

CANADIAN-UNITED MINERALS INC. TRENCH LOG

NTS: 93 L/10	Property Name: DOME MTN	Location: CABIN VEIN
Date: AUG 6/86	Logged by: R HELGASON	Trench No. TR 86-15

AZ 170° N

UNALTERED ANDESITE

ALTERATION ZONE
MINOR QUARTZ VEINS

ANDESITE WITH
MINOR ALT'N

MAX DEPTH 5m

0 5 10 m

scale
1: 250

Sample No.	Type	Width	ASSAY / GEOCHEM RESULTS

GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,659
CANADIAN UNITED MINERALS INC.
BOULDER / CABIN UTM PLAN
WEST HALF
SCALE 1:500 93 L/10
SURVEY: K COSWAN
DRW: K. COSWAN
AUG. 1986
FIGURE 4
0 5 10 15 20 METRES
ASTRO NORTH
UTM NORTH
PORCUPINE CLAIM
L 2899
GRIZZLY CLAIM
L 2900
CLAIM BOUNDARY
UNSURVEYED
52,500E UTM
52,600E
52,700E
68,800N
68,700N UTM
FEDRAL CREEK
TR 86-12
TR 86-9
TR 86-10
TR 86-11
TR 86-14
TR 86-15
TR 86-8
TR 86-7
DOME HVR-12
1475.92
DOME HVR-11
1461.84
DOME HVR-10
1438.68
DOME HVR-2
68,209.59 N
51,816.08 E
DOME HVR-12
68,769.86 N
52,543.57E
FROM SURVEY NOTES
DDH NORANDA 1985 # 31


CANADIAN UNITED MINERALS INC
BABINE RANGE - MAP 93L/10
DOME MOUNTAIN PROJECT
BOULDER /CABIN ZONE
SCALE 1:500 (1CM = 5 METER)
SURVEY: K COSWAN
DRW: K. COSWAN
DATE: AUGUST 2/3/4 1986.
EAST HALF
0 5 10 15 20 METRES
GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,659
BOULDER CREEK
NORTH ASTRO
NORTH UTM
GRIZZLY CLAIM
L2900
COPE 2 CLAIM
TRIANGLE FRACTION CLAIM
L2901
No. 2 CLAIM
L2909
68,800N
68,700N
53,000E
TR-86-6
TR-86-5
TR-86-4
TR-86-3
TR-86-2
TR 86-1
T-86-37/38
T-86-35/36
T-86-33/34
T-86-31/32
T-86-22/23
T-86-20/21
T-86-18/19
T-86-16/17
T-86-4/15
T-86-6/5
T-86-7/8
T-86-11/12
T-86-13/14
T-86-39
T-86-40
T-86-41
T-86-42
T-86-43
T-86-44
T-86-45
T-86-46
T-86-47
T-86-48
T-86-24/25/26
T-86-27/28
T-86-29/30
T-86-51
PROFILE 6
PROFILE 5
PROFILE 4
1341.83

FIGURE 5