

ST Thomas  
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847-4176

NORANDA EXPLORATION COMPANY LTD.

830782

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No		N.T.S. No.		
JAN 6 <sup>th</sup> 1986		JAN 7, 1986		N 0						DOME MOUNTAIN		BOULDER CK		93 4/10 E		
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 3			
Lot	Elev	Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot	Elev	Dip	HOLE No.				
50641.39	5249.63	-45°	48.6m									T 86-4				
Dep 49860.20	Length 158'	Bearing 110° 43'	158'	110° 43'		-45°			Dep.	Length	Bearing					
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
			AZ-002° AZ													
0.0m	3.04m		overburden, 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		Maroon 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 rimming and within quartz					3%								
			Sample							T 15	30cm					
22.03m	25.60m		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 Colored Jan 6/86		Date Completed Jan		Core Size NQ		DIP TESTS				PROPERTY DOME MOUNTAIN		PROJECT No. BOULDER CK		N.T.S. No. 93 2/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 3		
Lot. 50641.39		Elev. 5249.63			Dip -45°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip
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)		
2660m	27.89m		maroon andesite with red hematitic 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 nonporph. (quartz carbonate alteration)												
			disseminated pyrite occurring as individual cubes (very low %)				T16	1.3m	.01	.01	.02	.04	.001		
			Sample												
32.85	33.93m		Quartz vein, abundant sulphate 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		

# NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.				
Jan 6/86				NQ						DOME MOUNTAIN		BOULDER CK		93 L/10 E				
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES								
						RECORDED	CORRECTED	RECORDED	CORRECTED									
Lot. 50641.39		Elev. 5249.63		Dip -45°		158'				Lot.		Elev.		Dip		HOLE No.		
Dep. 49860.20		Length 48.17 m		Bearing [011]		48.6 m				Dep.		Length		Bearing		T86-4		
From	To	Recovery	Description				Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
35m	37.86m		Altering green and mafic andesite															
37.86	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		Mafic andesite with white blebs															
EOH.			48.17 @ -45° dip => 34.06 ±2															

# NORANDA EXPLORATION COMPANY LTD.

Date Collared JAN 8, 1985		Date Completed JAN 8, 1985		Core Size NQ		DIP TESTS				PROPERTY DOWE MOUNTAIN		PROJECT No. BOULDER CK		N.T.S. No. 93 L/10 E			
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES							
Lot. 50639.26		Elev. 5246.12		Dip -45°		120'		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip	
Dep. 49874.91		Length 128'/39m		Bearing N9A3								Dep.		Length		Bearing	
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
												Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)	
0.0m	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	15.34m		Quartz vein, chalcopryite and pyrite present.														
15.34m	18.16m		Altered green andesite some epidote on cleavage surfaces some malpaisite (fuesite?)														
18.16m	18.26m		Quartz vein, chalcopryite and pyrite present ~ 30% sulphides														
18.26m	22.39m		Altered green andesite some sulphides is chalcopryite in minute quantities in small veinlets														
			Sample														
			15.10m - 22.39m				Low	Low	T19	7.25m		low sulphides + alt not sampled.					

Permit have to go in July

# NORANDA EXPLORATION COMPANY LTD.

Date Colored <i>Jan 8/86</i>		Date Completed		Core Size		DIP TESTS				PROPERTY <i>DOME MOUNTAIN</i>		PROJECT No. <i>ROUNDER ct</i>		N.T.S. No. <i>93 L/105</i>	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <i>2</i> of <i>2</i>	
Lat.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.	
<i>50639.26</i>		<i>5246.12</i>		<i>-45</i>										<i>T86-5</i>	
Dep.		Length		Bearing		RECORDED		CORRECTED		RECORDED		CORRECTED			
<i>49874.91</i>		<i>39.38</i>		<i>[011]</i>											
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)		
<i>22.39m</i>	<i>27.57m</i>		<i>Quartz vein well mineralized with pyrite, pyrohoite, and chalcopyrite over all sulphide % to 10% Abundant Fracture.</i>				<i>take from this interval.</i>								
			<i>Samples each 1m</i>	<i>22.39 - 23.39</i>			<i>T-20</i>	<i>1.0 m</i>	<i>1.37</i>	<i>.06</i>	<i>6.55</i>	<i>2.68</i>	<i>.482</i>		
			<i>23.4 - 24.4</i>	<i>23.4 - 24.4</i>			<i>T-21</i>	<i>1.0 m</i>	<i>.63</i>	<i>.10</i>	<i>13.03</i>	<i>2.55</i>	<i>.969</i>		
			<i>24.4 - 25.4</i>	<i>24.4 - 25.4</i>			<i>T-22</i>	<i>1.0 m</i>	<i>.78</i>	<i>.57</i>	<i>.49</i>	<i>12.59</i>	<i>9.680</i>		
			<i>25.4 - 26.4</i>	<i>25.4 - 26.4</i>			<i>T-23</i>	<i>1.0 m</i>	<i>.19</i>	<i>.09</i>	<i>.27</i>	<i>2.24</i>	<i>.091</i>		
<i>27.57m</i>	<i>28.63m</i>		<i>Altered massive andesite, very low sulphide quantities</i>	<i>26.6m - 27.57m</i>			<i>T-24</i>	<i>1.17 m</i>	<i>.03</i>	<i>.01</i>	<i>.06</i>	<i>.16</i>	<i>.051</i>		
				<i>&gt; core in brown box in Vancouver</i>											
<i>28.63m</i>	<i>EOH 39m</i>		<i>Massive Andesite with red hematite blebs minor calcite &amp; quartz veinlets</i>												
			<i>39m @ -45° dip - 27.6m H2</i>												

**NORANDA EXPLORATION COMPANY LTD.**

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
Jan 7, 1986				NQ						DOHE MOUNTAIN		BOULDER CT		93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 3		
Lat.		Elev.			Dip		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip
50 639.26		5246.12		-90°										HOLE No.	
Dep. 49 874.91		Length 66.75m/219'		Bearing -						Dep.		Length		Bearing	
														T 86-6	
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.												

# NORANDA EXPLORATION COMPANY LTD.

Date Colored Jan 7/86		Date Completed		Core Size N9		DIP TESTS				PROPERTY DOME MTL		PROJECT No. FOUNDER CK		N.T.S. No. 932/108		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 3		
Lot. 50639.26		Elev. 5246.12		Dip -90°		RECORDED		CORRECTED		Lot.		Elev.		Dip		
Dep. 47874.91		Length 219'		Bearing —		66.75m				Dep.		Length		Bearing		
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	1.43	.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 - 48.56m						T33	1.56 m	.41	.46	2.93	3.27	.698	
48.56m	49.8m		Kaolinized (clay altered) green andesite													
49.8m	66.75m		Alternating green and maroon andesite to bottom of hole.													
			E.O.H.													

DRILL LOG - 01

Date Jan 13, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

FILL IN SAMPLING

Date Colored <i>Jan 7/86</i>		Date Completed		Core Size <i>NQ</i>		DIP TESTS				PROPERTY <i>DOME</i>		PROJECT No. <i>BOULDER C.K.</i>		N.T.S. No. <i>13 L/CE</i>	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 3		
Lot	Elev	Dip	RECORDED		CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip	Dep.	Length	Bearing	HOLE No. <i>T86-6</i>	
<i>50639.26</i>	<i>5246.12</i>	<i>-90°</i>													
<i>49874.91</i>	<i>219'</i>	<i>—</i>	<i>66.75.</i>												
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									Cu%	Pb%	Zn%	Ag(oz/t)	Au(oz/t)		
<i>4856m</i>	<i>49.98m</i>		<i>Quartz flooded altered tuff horizon vuggy &lt; 5% sulphides Kaolinitic alteration.</i>				<i>5087</i>		<i>.04</i>	<i>.01</i>	<i>.03</i>	<i>.06</i>	<i>.007</i>		



NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.															
9/01/1986		9/01/1986		NQ		FIELD CO-ORDINATES		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES															
Lat. 50626.07		Elev. 5240.81		Dip -45°		RECORDED		CORRECTED		RECORDED		CORRECTED		Lot.		Elev.		Dip		Sheet 1 of 2									
Dep. 49 897.58		Length 45.11m/148'		Bearing N 45° A3										Dep.		Length		Bearing		HOLE No.									
				AZ 9°		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 amygduloids																										
23.78m	24.85m		Quartz vein, ~ 3% sulphide mineralization galena, pyrite and minor chalcopyrite, splalarite																										
			Sample 23.78m-24.85m = 1.07m																										
24.85m	26.2m		Green andesite																										
26.2m	30.62m		Altered andesite/tuff zone sulphide mineralization throughout < 3% total sulphides minor galena, pyrite, minor chalcopyrite																										

24.21 - 24.35  
 Sample taken for predictive metallurgy

T 34' 1.07m .31 .29 1.77 1.43 .395

not sampled - poor mineralization

# NORANDA EXPLORATION COMPANY LTD.

Date Colored Jan 7/86		Date Completed		Core Size N9		DIP TESTS				PROPERTY Dome mtn.		PROJECT No. Boulder CR		N.T.S. No. 93 L/10 B	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 2	
Lot. 50626.04		Elev. 5240.81		Dip -45°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip	
Dep. 44897.58		Length 45.11		Bearing [014]						Dep.		Length		Bearing	
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			T37	1m	.50	.27	1.03	3.52	.239
			29.2m - 30.2m			Altered tuff, pyritic			T38	1m	.01	.02	.03	.16	.022
			30.2m - 30.62m			Altered tuff, pyritic			T39	0.42m	.03	.03	.03	.40	.129
30.62m	32.12m		Quartz vein, fairly lean in sulphides												
			Sample 30.62 - 32.12 m						T40	1.5m	.09	.06	.04	.96	.249
32.12m	45.11m		Massive andesite												
			EOT												
			45.11m @ -45° dip => 31.9m HZ												

**NORANDA EXPLORATION COMPANY LTD.**

Date Colored JAN 10, 1986		Date Completed JAN 10, 1986		Core Size NQ		DIP TESTS				PROPERTY DOME MOUNTAIN			PROJECT No. BOULDER ct		N.T.S. No. 93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 2			
Lat.	Elev.	Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip	HOLE No.				
50626.04	5240.81	-90°										T86-8				
Dep.	Length	Bearing						Dep.	Length	Bearing						
49897.58	94.2m/309'	[014]														
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 brown andesites thin quartz; calcite veinlets throughout. <2mm													
31.22m	38.11m		Green andesite trending toward pale green andesite													
38.11m	38.95m		Quartz vein, pyrite, chalcoprite (galena, sphalerite minor)													
			Sample 38.11 - 38.95m = 0.84m x 0.6 = 0.54m				✓ T 41	0.84m	.53	.33	1.26	3.88	6.820			
38.95m	40.71m		Pale green andesite with abundant fossils and hematite blebs	Sentin												
40.71m	43.24m		Quartz vein, very high sulphide % galena, sphalerite, pyrite and chalcoprite													
			Sample 40.71m - 41.71m = 1m x 0.6 = 0.6m				✓ T 42	1.0m	.19	.05	2.79	.67	.232			
			41.71 - 42.71m = 1m x 0.6 = 0.6m				T 43	1.0m	1.82	.39	29.50	2.29	.452			

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
Jan 10, 1986		Jan 10, 1986		NQ						DOME WGN		BOULDER CR		93 L / 10 E	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 2	
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip	
50 626.04		5240.81		-90°		94.18 m								HOLE No.	
Dep.		Length		Bearing		306'				Dep.		Length		Bearing	
49 897.58		94.2m		-										T86-8	
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
			Sample 42.71m - 43.24m = 0.53 = 0.31m						T44	0.53 m	Co %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
			Altered pale green andesite, quartz rich red hematitic blebs. green suite.												
			Quartz vein and altered tuff in and out.												
			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	1.6 m	.85	.80	6.08	5.22	.896
			Sample 54.50 - 55.50 = 1.0m x 0.6						T47	1.0 m	.21	.34	.19	4.51	.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
			Alternating green and maroon andesite green andesite pyritic												
			Sample 81.7m - 81.80m. 10cm long sample						T51	.10 m	.08	.02	.03	.24	.070
			to see if it carries gold.												

DRILL LOG - 81

Date Jan 12, 1986 Logged By Gordon P. Leach

# NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
JAN 11, 1986				NQ						DOME MOUNTAIN		BOULDER CK		93 L/10 E	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 2	
Lot		Elev.		Dip		RECORDED		CORRECTED		Lot		Elev.		Dip	
50604.87		5243.12		-90°											
Dep.		Length		Bearing		RECORDED		CORRECTED		Dep.		Length		Bearing	
49,892.38		96.9 m/318'												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 through out												
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	79.89m		Altered maroon andesite, brecciated abundant quartz												
79.89m	81.36m		Quartz vein, abundant sulphide mineralization pyrite chalcopyrite with subordinate galena & sphalerite												

# NORANDA EXPLORATION COMPANY LTD.

Date Colored June 11/86		Date Completed		Core Size NQ		DIP TESTS				PROPERTY Dome mtn		PROJECT No. BORDER 22		N.T.S. No. 93 2/10 E		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 2		
Lot. 50604.87		Elev. 5293.12		Dip -90		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip		
Dep. 49892.38		Length 96.9		Bearing -						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 79.84m - 80.84m							T53	1.0	.49	.14	.32	.221	.456
			Sample 80.84 - 81.36m							T54	.52	.23	.14	.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							T55	.84	.08	.01	.24	.25	.042
			Sample 84.43 - 85.27m													
85.27m	96.9m E.O.H		maroon andesite with minor green andesite.													

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 2	
Lat. 50573.5		Elev. 5246.4		Dip -90°		503.00'				Lat.		Elev.		Dip	
Dep. 49889.5		Length 154.83m		Bearing -		157.83m				Dep.		Length		Bearing	
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									Cu%	Pb%	Zn%	Ag (oz/t)	As (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	106.30		Finely laminated green and maroon tuff mainly maroon												
106.30	124.01m		Maroon andesite breccia, fragments up to 5cm in size.												
124.01	124.96m		Pyrritic tuff pale maroon												
			Sample 124.01 - 124.96m				5083	.95	.28	.01	.01	.18	.056		
124.96	140.80m		Pale Maroon / green tuff.												

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
				NQ						DOME MTN		BOULDER CR		93 L/10 E			
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet					
				RECORDED	CORRECTED	RECORDED	CORRECTED					2 of 2					
Lot.	Elev.	Dip	503.00'					Lat.	Elev.	Dip	HOLE No.						
50573.5	5246.4	-90	503.00'								TB6-10						
Dep.	Length	Bearing	154.83m					Dep.	Length	Bearing							
49889.	154.83	-	154.83m														
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 gray tuff.							5084	1.01 m	.09	.01	.01	.11	.052	
			Sample 140.80m - 141.81m														
141.81m	142.64m		Quartz vein with minor tuff ~10% sulphide, mainly pyrite with minor sphalerite & galena.														
			Sample 141.81m - 142.64m							5085	.83 m	.02	.01	.01	.13	.293	
142.64m	143.64m		Gray quartz rich tuff							5086	1.0 m	.03	.01	.03	.08	.022	
			Sample 142.64m - 143.64m														
143.64m	154.83m		Pale maroon - Maxam Andesite														



NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
Jan 11, 1986		Jan 11, 1986		NQ						Dome Mountain		Bov/DCR CK		93 L/10 E			
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES						
Lot.		Elev.		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		
50626-37		5233.17		-45°													
Dep.		Length		Bearing								Dep.		Length		Bearing	
49916-94		38.11m/25'		14° A3												T86-11	
From	To	Recovery	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 - 23.47 m										
			sample 22.33m - 23.47m				T56	1.13	.21	1.40	1.82	1.77	.622				
23.47	24.77m		Altered tuff, kaolinitic alteration														
			Sample 23.47-24.77				T57	1.33	.01	.01	.08	.01	.003				
24.77m	38.11m		Macrom Andesite, with minor quartz and calcite veinlets.														
			38.11 @ -45° → 26.95														

NORANDA EXPLORATION COMPANY LTD.

1-8 Start

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
Jan 12, 1986		Jan 12, 1986		NQ		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES			
FIELD CO-ORDINATES		DEPTH		BEARING		RECORDED		CORRECTED		RECORDED		CORRECTED		Sheet 1 of 2	
Lat. 50626.37		Elev 5233.17		Dip -90°										HOLE No.	
Dep 4916.94		Length 45.73m/150'		Bearing										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 % < 2% no sample too thin												
8.86m	36.51m		Alternating massive green andesite minor calcite & quartz veinlets.												
36.51m	37.54m		Altered green andesite												
37.54	39.62m		Thin and out of quartz vein and altered green andesite												
			Sample 37.54-38.54				T58	1.0 m	.04	.07	.64	.14	.059		
			38.54m-39.62m				T59	1.06 m	.05	.02	.54	.10	.023		
39.62m	39.72m		Altered massive andesite												

# NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.			
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES					Sheet 2 of 2			
Lot.		Elev.		Dip		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		HOLE No.		
Dep.		Length		Bearing						Dep.		Length		Bearing				
From	To	Recovery	Description				Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
39.78m	45.73m		macrom andesite															

NORANDA EXPLORATION COMPANY LTD.

5014 T 66

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.		
Jan 13, 1986		Jan 13, 1986		NQ						DOME MOUNTAIN		BOULDER CK		93 L/10E		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet / of 1		
Lot		Elev.		Dip		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		MOLE No.
52608.86		5226.85		-45°												T86-13
Dep.		Length		Bearing						Dep.		Length		Bearing		
49937.88		35.96m/118'		014°A3												
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS							
									Ca %	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, <sup>moderate</sup> 15% sulphide sphalerite & galena with majority of sulphide being pyrite, minor chalcocite, very fine granular sulphide													
			Sample T 6.7 28.83m - 29.93m				T67	1.10m	.45	1.06	1.24	3.67	.812			
29.93m	33.73m		Altered pale green andesite													
33.73m	35.96m	End	Massive andesite with quartz and calcite veinlets throughout.													
			35.96 @ -45° => .2542													

**NORANDA EXPLORATION COMPANY LTD.**

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.							
Jan 13, 1986		Jan 13, 1986		NQ						DOME MOUNTAIN		BOULDER CK		93 4/10 E							
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES											
Lot.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lot.		Elev.		Dip		HOLE No.	
50607.88		5226.85		-90°																T86-14	
Dep.		Length		Bearing										Dep.		Length		Bearing			
4937.88		54.25/170		-																	
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS												
									Cu%	Pb%	Zn%	Ag (oz/t)	Au (%)								
0.0m	1.83m	0%	No recovery, casing																		
1.83m	24.38m	100%	Pale green andesite with some maroon fragments within																		
			minor quartz and calcite veins																		
24.38m	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 chalcopryite pyrite and sphalerite minor galna.																		
			Sample 44.92m-45.92m	44.92-45.92			T60	1.0 m	3.5	.16	.139	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.																		

T86-2m

# NORANDA EXPLORATION COMPANY LTD.

T 60

Date Colored Jan 13/06		Date Completed Jan. 13/06		Core Size NQ		DIP TESTS				PROPERTY SOME MTN.			PROJECT No BOULDER CK		M.T.S. No 93 L/10 E										
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES															
Lot. 50608.88		Elev. 5226.85		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lot.		Elev.		Dip		Sheet 2 of 2					
Dep. 49937.88		Length 5425m		Bearing		178'										Dep.		Length		Bearing		MOLE No. T86-14			
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS													
512m	5425m EOM		Maroon Andesite with minor quartz veinlets barren of sulphide.																						

NORANDA EXPLORATION COMPANY LTD.

Sheet T 63

Date Colored		Date Completed		Core Size	DIP TESTS				PROPERTY		PROJECT No.	N.T.S. No.				
Jan 13, 1986		Jan 14, 1986		NQ	FIELD CO-ORDINATES		DEPTH	BEARING		SURVEYED CO-ORDINATES		Sheet 1 of 2				
					RECORDED	CORRECTED	RECORDED	CORRECTED			MOLE No.					
Lot	50,641.39	Elev	5249.63	Dip	-90					Lot	Elev.	Dip				
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 course grained													
10.36m	40.85m		Alternating microm and green andesite, minor quartz & calcite veinlets													
40.85m	50.0m		Pale green andesite moderately altered. red hematitic blebs, minor fucile minor epidote													
50.0m	52.24m		Quartz vein abundant pyrite, chalcoprite 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	
51.0m	52.24m	clay gauge	Sample T65 52.0m-52.24m			52.0-52.24			T65	0.24 m	.32	.11	.19	.78	.145	
52.24m	53.03m		Altered buff, buff- / light grey coloured. & silicified													

# NORANDA EXPLORATION COMPANY LTD.

Date Colored Jan. 13/86		Date Completed Jan 14 1986		Core Size NQ		DIP TESTS				PROPERTY Dome Mountain			PROJECT No. BOULDER CK		N.T.S. No. 93 L/10 E			
FIELD CO-ORDINATES						DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES						
								RECORDED		CORRECTED		RECORDED		CORRECTED				Sheet 2 of 2
Lot. 50641.39		Elev 5299.63		Dip -90°												HOLE No.		
Dep. 49860.20		Length 66.75m		Bearing -												T86-15		
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
53.03m	66.75m		Alternating maroon and green andesites.															



NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
Jan 14, 1986		Jan 15, 1986		NQ						DOHE MOUNTAIN		BOULDER CT		93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 2		
Lat.	Elev.	Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.	Elev.	Dip	MOLE No.			
50 647.93	52 51.37	-45°									T86-16				
Dep.	Length	Bearing					Dep.	Length	Bearing						
49 833.94	32.92m/108'	014° A3													
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)		
0.0m	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 < 1/2% sulphides												
24.03m	26.60m		Quartz vein, 2-15% sulphides, high in zinc, chalcopyrite, looks like good high grade $\approx$ true thickness												
			Sample T 70 24.03m-25.03m				T 70	1.0 m	1.34	.35	16.6	3.69	1.020		
			Sample T 71 25.03m-26.03m				T 71	1.0 m	1.53	.79	6.80	6.49	.994		
			Sample T 72 26.03m-26.60m				T 72	0.53 m	1.07	.41	1.36	9.87	.390		
26.60m	27.93m		Altered andesite with minor pyrite Sample T 73 26.60-27.93m				T 73	1.33	.05	.07	.16	.36	.050		

# NORANDA EXPLORATION COMPANY LTD.

Date Colored		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													
Lat.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lat.		Elev.		Dip		HOLE No.					
50 647.93		5251.37		-45																T86-16					
Dep.		Length		Bearing										Dep.		Length		Bearing							
49 833.94		32.72		[014]										49 833.94		32.72		[014]							
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS													
27.93m	32.92m		Mylon andesite some quartz veinlets, brecciated																						
	E.OH		32.92m @ -15° dip ⇒ 23.3m Horiz.																						

DRILL LOG - 81

Date Jan 15, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Start: T68

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
Jan 14, 1986		Jan 14, 1986		NQ						Dome Mountain		Boulder CR		93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 2		
Lot.		Elev.			Dip		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip
5047.93		5251.37		-90										HOLE No.	
Dep. 49833.94		Length 45.41m/149		Bearing -						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	21.03m		Dark maroon Andesite												
21.03m	28.08m		Alternating pale green and pale maroon andesite												
28.08m	33.53m		Altered pale maroon and pale green andesites, chloritic, and epidotized												
35.53	35.08m		narrow quartz rich andesite with pyrite no sample to this												
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) 2						

DRILL LOG - 01

Date Jan 14, 1986 Logged By Gordon P. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		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		
Lot		Elev			Dip		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip
50647.93		5251.37		-90°											
Dep		Length		Bearing						Dep.		Length		Bearing	
49833.94		45.41m		-										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		Majorly sandstone, minor thin quartz and calcite veinlets												
	E.O.H														

NORANDA EXPLORATION COMPANY LTD.

74.

Date Colored Jan 15, 1986		Date Completed Jan 15, 1986		Core Size NØ		DIP TESTS				PROPERTY CONE MOUNTAIN		PROJECT No. BOULDER CK		N.T.S. No. 93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 1		
Lat.	Elev.	Dip	RECORDED		CORRECTED	RECORDED	CORRECTED	Lat.	Elev.	Dip	MOLE No.				
50651.41	5253.29	-45°									DDN T86-18				
Dep		Length		Bearing		Dep.		Length		Bearing		HOLE No.			
49 811.25		3841m/126		011° A3											
From	To	Recovery	Description (14°?) <sup>14</sup>	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									Ca%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)		
0.0m	7.93m	0%	<del>no recovery, casing</del>												
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, chalcocrite with minor sphalerite & galena.												
			Sample 25.04m - 26.04m				5001	1.0m	1.44	.33	1.27	5.74	1.320		
			Sample 26.04m - 26.50m				5002	.46m	.75	.06	.08	1.68	.938		
26.50m	38.41m		Dark maroon andesite												
	F.O.H.														
			38.41 m @ -45° ⇒ 27.16 m												

NORANDA EXPLORATION COMPANY LTD.

Date Colored Jan 16, 1986		Date Completed Jan 16, 1986		Core Size NØ		DIP TESTS				PROPERTY DOME MOUNTAIN		PROJECT No. BOULDER CK		N.T.S. No. 93 L/105				
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 2				
Lot 5065.44		Elev. 5253.29		Dip -90°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip				
Dep. 49811.25		Length 22.67m/140'		Bearing —						Dep.		Length		Bearing				
From	To	Recovery	Description			Structure			% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
													Cu %	Pb %	Zn %	Ag (g/t)	Au (g/t)	
0.0m	5.49m	0%	No recovery, casing															
5.49m	8.64m		Medium andesite, minor quartz and calcite veinlets															
8.64m	9.80m		pale green quartz rich andesite															
9.80m	28.35m		Dark medium andesite some vesicular section															
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 chalcocite galena, and sphalerite < 2% minor bornite, some porphyry up to 70% sulphides															
			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 Leach

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
Jan 16, 1986		Jan 16, 1986		NQ						DOME MOUNTAIN		BOULDER CK		95 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 2		
Lot.		Elev.			Dip		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip
50 651.44		5253.29		-90°						Dep.		Length		Bearing	
49, 811, 25		42.67m		—						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 37.78m - 38.89m low sulphide				5006	1.11m	.08	.02	.02	.27	.010		
38.89m	39.62m		Kaolinitic pale massive andesite.												
39.62m	42.67m		Massive andesite.												

# NORANDA EXPLORATION COMPANY LTD.

Date Colored Jan 16, 1986		Date Completed Jan 15, 1986		Core Size N Q		DIP TESTS				PROPERTY DAME MOUNTAIN			PROJECT No. Box DER CR.		N.T.S. No. 93 L/10 E		
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 2				
Lat. 50661.45		Elev. 5253.93			Dip -45°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip		
Dep. 49792.41		Length 26.83m/88'		Bearing 11° Az						Dep.		Length		Bearing		HOLE No. T86-20	
From	To	Recovery	Description (14°?)			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 & feldite 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	.019		
17.68m	18.58m		Quartz vein, Pyrite with minor chalcopyrite < 7% 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 - 01

Date Jan 17, 1986 Logged By Gordon Leask



# NORANDA EXPLORATION COMPANY LTD.

Date Colored <i>Jan 16, 1986</i>		Date Completed <i>Jan 16, 1986</i>		Core Size <i>NØ</i>		DIP TESTS				PROPERTY <i>DOME MOUNTAIN</i>		PROJECT No. <i>BOULDER CK</i>		N.T.S. No. <i>93 L/10 E</i>				
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 2				
Lat. <i>50661.45</i>		Elev. <i>5253.93</i>				Dip <i>-45°</i>		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.				Elev.		Dip
Dep. <i>49792.41</i>		Length <i>26.83m</i>		Bearing <i>[011]</i>						Dep.		Length		Bearing		HOLE No. <i>T86-20</i>		
From	To	Recovery	Description				Structure		% Sulph.	Est. Grade	SAMPLE No.	Width		ASSAYS				
<i>20.93m</i>	<i>26.83m</i>	<i>E-04</i>	<i>Mazon Andesite with minor quartz and calcite veinlets</i>															
			<i>26.83m @ -45° dip = 18.97m HZ.</i>															

# NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
Jan 16, 1986		Jan 16, 1986		N/A						DOME MOUNTAIN		BOULDER CR		93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 1		
Lat.	Elev.	Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip		HOLE No.		
50611.45	5253.93	-90°											T86-21		
Dep.	Length	Bearing						Dep.	Length	Bearing					
49.792.41	42.67m/140'	—													
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									Cu %	N %	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 faults.												
29.32m	31.08m		Quartz vein / Altered maroon Andesite low sulphide $\approx$ 2% pyrite only. not too much <sup>massive</sup> 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.O.H.														

# NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
JAN 16, 1986		JAN 17, 1986		NQ						DOME MOUNTAIN		BANDER CR		93 L/10 E	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 1	
Lot. 50 668.48		Elev. 5254.85		Dip -45°		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.	
Dep. 49 773.98		Length 26.83m/88'		Bearing 11° A <sub>3</sub>						Dep.		Length		Bearing	
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)		
0.0m	10.98m	0%	<del>No recovery, casing</del>												
10.98m	13.83m		Pale green rusty weathering quartz rich andite, fractures are rusty weathering												
13.83m	16.26m		Quartz vein, abundant pyrite, with 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 massive andite												
20.13	26.82m E.O.H.		Massive andite with minor quartz & calcite veinlets												
			26.82m E-45° dip to 18.96m HZ.												

DRILL LOG - 81

Date Jan 17, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
JAN 16, 1986		JAN 15, 1986		NQ		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES			
FIELD CO-ORDINATES						RECORDED		CORRECTED		RECORDED		CORRECTED		Sheet 1 of 1	
Lot. 5048, 48		Elev. 5254.85		Dip -90°										HOLE No.	
Dep. 49 733.98		Length 33.63m		Bearing —										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	0.54m	0%	No recovery, casing												
0.54m	12.0m	100%	Dark maroon andesite, with minor calcite and quartz veins												
12.0m	15.24m		Alternating fine grained pale green and maroon andesite.												
15.24m	22.63m		Very fine grained grey to pale green dacite tuff.												
22.63m	26.62m		Quartz vein, sulphide is predominantly pyrite with subordinate galena and sphalerite												
			Sample 22.63m - 23.63m				5015	1.0 m	.19	.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 25.63m - 26.62m				5018	.99 m	.53	.37	.14	3.39	.583		
			Sample 26.62m - 27.62m				5019	1.00 m	.20	.05	.11	.84	.152		
26.62m	33.53m		Fine - Med grained pale green & pale maroon andesite												
			E.O.H.												

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.				
Jan 17, 1986		Jan 17, 1986		NQ						DOME MOUNTAIN			BOULDER CR.		93 L/10 E				
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES									
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip		HOLE No.			
50569.11		222.66		-45°												T86-24			
Dep.		Length		Bearing		RECORDED		CORRECTED		Dep.		Length		Bearing					
99957.21		69.0m/229'		30° Az 10°															
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		Sulfidated green andesite, some chert nodules, brecciated						5020										
			Sample 5020 22.98m - 23.07m																
			Cut section analyze rock, chert breccia																
53.73m	61.67m		Pale green fine grained Andesite with quartz vein																
			53.73-53.99 quartz																
			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 - 01

Date Jan 19, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored Jan 17/86		Date Completed Jan 17/86		Core Size		DIP TESTS				PROPERTY DOME MOUNTAIN		PROJECT No. BEULDER CR		N.T.S. No. 93 L/10 E			
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES						Sheet 2 of 2		
Lat. 50569.11		Elev. 222.66			Dip -45°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip		
Dep. 49957.21		Length 69.8m		Bearing {030}						Dep.		Length		Bearing		HOLE No. 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 - 61.03m						5028	1.0 m	.02	.01	.83	.15	.023		
			Sample 61.03 - 61.67m						5029	.64m	.05	.01	.21	.50	.053		
			Pale Maroon Andesite														
61.67m	62.83m																
			Maroon Andesite														
62.83m	69.8m																
			69.8m @ -45° = 49.35m														

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
Jan 19, 1986		Jan 18, 1986		NQ						DOME MTN		BOULDER CK		93 L/10 E	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 2	
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip	
50569.11		5222.66		-70°											
Dep.		Length		Bearing		RECORDED		CORRECTED		Dep.		Length		Bearing	
49957.21		78.96m/259'		035°A3										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		Medium Andesite, coarse grained with minor quartz & calcite veinlets												
48.0m	55.50m		Alternating green and medium coarse grained andesite with red hematite blebs.												
55.50m	67.20m		Altered green feldspar andesite, chlorite and epidote rich, interbedded with quartzite abundant pyrite & sphalerite with minor galena & chalcocite in QZ sections.												
			Sample 55.50m-56.50m				5030	1.0m	.01	.01	.14	.02	.001		
			56.50-57.50m				5031	1.0m	.01	.01	.01	.01	.001		

# NORANDA EXPLORATION COMPANY LTD.

Date Colored Jan 18/86		Date Completed Jan 18/86		Core Size NQ		DIP TESTS				PROPERTY DOME MOUNTAIN		PROJECT No. BOULDER CK		N.T.S. No. 93 L/10E		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES						
Lot 50569.11		Elev 5222.66		Dip -70°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot		Elev		Dip		
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 60.5-61.5m							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 66.50-67.30m							5041	.70 m	.01	.01	.03	.03	.022
67.2m	78.96m	80.4	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 Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.	
Jan 18, 1986		Jan 19, 1986		NQ						DOME MOUNTAIN			DORLANDER CR		93 2/10 5	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 3			
Lat.	Elev.	Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip	MOLE No.				
50569.11	5222.66	-90°										T86-26				
Dep.	Length	Bearing						Dep.	Length	Bearing						
49,957.21	116.5m/366'	—														
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 amygduloids 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 amygduloids.													
69.8m	76.83m		Maroon andesite, quartz & calcite veinlets prominent quartz filled amygduloids													
76.83m	77.57m		Green andesite, coarse grained, contains minor quartz vein ~ 4-8cm thick with pyrite & chalcopryrite, no sample too thin													
77.57m	84.62m		Maroon andesite with abundant quartz veinlets, slightly vesicular in places.													

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.		
18/01/86		15/01/86		NQ						DOME MOUNTAIN		BOULDER CK		73 L/E		
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES					
Lot.		Elev.		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip	
5222.66		5222.66		-90												
Dep.		Length		Bearing						Dep.		Length		Bearing		
49 957.21		111.5 m		-										T86-26		
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS							
									Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)			
84.62	92.62		Altered tuff/Quartz vein throughout tuff is pyritic, pale pink in colour. quartz vein mainly plate with minor splinters : 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	.192			
			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			
92.62	108.3m		Pale maroon - Maroon coloured Andesite.													
108.3m	109.9m		Dark green vesicular andesite.													

**NORANDA EXPLORATION COMPANY LTD.**

Date Colored <b>18/04/86</b>		Date Completed <b>19/04/86</b>		Core Size <b>NQ</b>		<b>DIP TESTS</b>				PROPERTY <b>DOME MOUNTAIN</b>		PROJECT No. <b>BOULDER CK</b>		N.T.S. No. <b>93 L/10 E</b>	
<b>FIELD CO-ORDINATES</b>				<b>DEPTH</b>		<b>BEARING</b>		<b>ANGLE</b>		<b>SURVEYED CO-ORDINATES</b>					
Lot. <b>50569.11</b>		Elev. <b>5222.66</b>		Dip <b>-90</b>		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip	
Dep. <b>49957.21</b>		Length <b>111.5</b>		Bearing <b>-</b>						Dep.		Length		Bearing	
HOLE No. <b>T86-26</b>															
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
<b>109.9m</b>	<b>111.5m</b>		<i>Mudstone Andesite with minor quartz? calcite veinlets</i>												
	<b>E.01</b>														

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
19/01/86		20/01/86		NQ		FIELD CO-ORDINATES		DEPTH		BEARINGS		ANGLE		SURVEYED CO-ORDINATES		Sheet 1 of 3	
Lot.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lot.		Elev.	
Dep.		Length		Bearing										Dep.		Length	
		17646m/57871		-75°												10° A <sub>3</sub>	
																T86-27	
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS								
									Ca%	Pb%	Zn %	Ag (g/t)	Au (g/t)				
0.0m	2.44m	0%	No recovery, casing														
2.44m	23.88m		Green Andesite, coarse grained with quartz veinlets and amygduloids														
23.88m	24.08m		Calcite vein, chlorite 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 epidos rich zone, red hematitic blotches														

where is this data?

# NORANDA EXPLORATION COMPANY LTD.

Date Colored Jan 19 / 86		Date Completed Jan 20 / 86		Core Size N9		DIP TESTS				PROPERTY DONG MOUNTAIN		PROJECT No. BOULDER CK		N.T.S. No. 93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 3		
Lat		Elev			Dip	RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip	
Dep		Length		Bearing						Dep.		Length		Bearing	
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
											Cu %	Pb %	Zn %	Ag (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	155.20m		Alternating green and maroon andesite breccia, clasts up to 3-4cm across + true pyroclastics, mainly maroon.												
155.20	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	.46	.01	.05	.75	.035
158.75m	159.75m		Quartz vein, $\approx 10\%$ 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 - 01

Date Jan 23, 1986 Logged By Gordon P. Leask

# NORANDA EXPLORATION COMPANY LTD.

Date Colored Jan 19/86		Date Completed Jan 20/86		Core Size NR		DIP TESTS				PROPERTY DOME MOUNTAIN		PROJECT No. BOULDER CK		M.T.S No. 93 L/105	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 3	
Lot.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.	
				-75°										T86-27	
Dep.		Length		Bearing		Dep.		Length		Bearing					
		176.46 m		[010]											
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 EOL.		GREEN & Maroon Andesites.												

DRILL LOG - 01

Date 23/01/86 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
Jan 21, 1986		Jan 22, 1986		NQ						DOVE MOUNTAIN		BOULDER CK		93 L/10E	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES					
						RECORDED		CORRECTED							
Lot.		Elev.		Dip						Lot.		Elev.		Dip	
				-90°											
Dep.		Length		Bearing						Dep.		Length		Bearing	
		243.9m/800'		-										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 Volcanic 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	158.44m		Green and maroon andesite Brecciated Pyroclastic / with tuff interbeds												
158.44m	165.19m		Maroon and Green tuff / fine grained andesite minor quartz & calcite veinlets												

NORANDA EXPLORATION COMPANY LTD.

Date Colored Jan 21/86		Date Completed Jan 22/86		Core Size NQ		DIP TESTS				PROPERTY SOME MOUNTAIN		PROJECT No. BOULDER CK		N.T.S. No. 93 L/10 E																	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 3																	
Lot.		Elev.		Dip - 90		RECORDED		CORRECTED		RECORDED		CORRECTED		MOLE No.																	
Dep.		Length 243.9 m		Bearing -						Dep.		Length		Bearing																	
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											
166.19m		166.72m				Pyritic pale green/grey tuff																									
						Sample 166.19m - 166.72m												5079		.53 m											
166.72m		172.0m				green & maroon Andesite minor quartz & calcite veinlets														5.28 m		← not sampled →									
172.0m		173.0m				Pale grey - Pale maroon tuff pyritic ← 2% sulphides																									
						Sample 172.0m - 173.0m												5080		1.0 m											
173.0m		174.0m				Quartz veins ~ 15% sulphides galena, chalcopyrite sphalerite																									
						Sample 173.0m - 174.0m												5081													
																				1.0 m											
174.0m		175.0m				Pale maroon/Pale grey pyritic tuff clay gage some maroon andesite																									
						Sample 174.0m - 175.0m												5082		1.0 m											

DRILL LOG - 81

Date 24/01/86 Logged By G. Leask



# NORANDA EXPLORATION COMPANY LTD.

Date Colored <i>Jan 21/86</i>		Date Completed <i>Jan 22/86</i>		Core Size <i>NQ</i>		DIP TESTS				PROPERTY <i>SOME MOUNTAIN</i>			PROJECT No. <i>BOULDER CR</i>		N.T.S. No. <i>93 L/10 E</i>		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <i>3</i> of <i>3</i>			
Lot.		Elev.				Dip <i>-90</i>		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip	
Dep.		Length <i>243.9 m</i>		Bearing <i>-</i>						Dep.		Length		Bearing		<i>T86-28</i>	
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
<i>1750m</i>	<i>243.9m</i>		<i>Alternating green and maroon andesites</i>														
	<i>E.O.H.</i>																

**NORANDA EXPLORATION COMPANY LTD.**

Date Colored Jan 22/86		Date Completed Jan 23, 1986		Core Size NQ		DIP TESTS				PROPERTY DOME MOUNTAIN		PROJECT No. BOULDER CR		N.T.S. No. 93 4/10 E	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 1	
Lot		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip	
Dep.		Length		Bearing		RECORDED		CORRECTED		Dep.		Length		Bearing	
		49.17m/158'		-45°										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 Sulphide Sample 33.81-34.75m				5059	.94 m	.01	.01	.02	.01	.001		
34.75m	35.96m		Grey chloritic Tuff. Sample 34.75m-35.96m				5060	1.21 m	.01	.01	.09	.01	.001		
35.96m	37.00m		Quartz vein, very high Sulphide % age ≈ 50% mainly sphalerite and pyrite Sample 35.96-37.00												
			Green tuff.												
37.00m	38.00m		Sample 37.00m-38.00m				5062	1.0 m	.01	.01	.05	.05	.002		
38.00m	48.17m		Green and Maroon breccias minor Quartz & calcite veinlets												

36.50-36.55- 5cm sample taken for predictive metallurgy

5061

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
23/01/86		23/01/86		NQ						DOME MOUNTAIN		BOULDER CK.		93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 3		
Lot	Elev	Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot	Elev	Dip	HOLE No.			
		-70°										T86-30			
Dep.	Length	Bearing						Dep.	Length	Bearing					
	72.56m / 238'	35° A <sub>3</sub>													
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		
37.49m	41.43m		green Andesite minor quartz and calcite veinlets					3.94 m	not sampled.						
41.43m	42.43m		dark green tuff												
			Sample 41.43 - 42.43m				5066	1.0 m	.01	.01	.36	.01	.001		

DRILL LOG - 01

Date Jan 29, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S No.	
Jan 23/86		Jan. 23/86		NQ						DOME MOUNTAIN		BOULDER CK		93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 3		
Lot		Elev			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		HOLE No.
Dep		Length		Dip		Bearing		Dep.		Length		Bearing		T86-30	
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
											Cu%	Ni%	Zn %	Ag (oz/t)	Au (oz/t)
42.43m	43.33m		Quartz vein, chloritic & epidote rich low sulphide %.						5067	.90 m	.05	.14	.81	.16	.009
			Sample 42.43 - 43.33m Green Andesite												
43.33	44.33		Minor quartz & calcite blotches.						5068	1.0 m	.02	.01	.44	.01	.001
			Sample 43.33 - 44.33m Green and massive andesite.												
44.33	49.71m									5.38 m	not		sampled →		
			Green andesite,												
49.71m	50.61m		Sample 49.71m - 50.61m						5069	.90 m	.01	.01	.01	.01	.001
			Quartz vein epidote rich, chloritic sulphides mainly pyrite < 5% overall.												
50.61	53.00		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
			Green andesite												
53.0m	54.0m		Sample 53.0m - 54.0m						5072	1.0 m	.02	.01	.09	.03	.022

DRILL LOG - 81

Date 24/01/86 Logged By G. Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored Jan 23/86		Date Completed Jan 23/86		Core Size NQ		DIP TESTS				PROPERTY DOME MOUNTAIN		PROJECT No. BOULDER CK		N.T.S. No. 93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 3		
Lot.	Elev	Dip	-70°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.	Elev	Dip	HOLE No.			
Dep.	Length	72.56 m	Bearing [Q35]					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	.009		
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		Pale green & Maroon Andesite												
	E.O.H.														

DRILL LOG - 01

Date 24/01/86 Logged By G. Leask

8.61  
1.50  
10.11

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 1	
Lot		Elev		Dip		RECORDED		CORRECTED		Lot		Elev		Dip	
Dep		Length		Bearing		61.57m				Dep		Length		Bearing	
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									Cu%	Ag%	Zn%	Ag (oz/t)	Au (oz/t)		
6.15	7.65		Maroon Andesitic Flow/Agglomerate matrix → Massive bedded fine grained fragments. Pebble sized fragments												
7.65	10.11		Maroon Agglomerate Fragmental. Fragments are typically pebble to cobble sized, intercalated in a maroon matrix												
10.11	11.70		Maroon Volcanic Flow? Massive bedded fine-grained Andesitic. Several narrow altered and bleached zones.		18R										
11.70	25.00		Maroon Agglomerate Andesite (multicolored fragments in a maroon matrix)												
25.00	28.20		Altered Maroon Fragmental Andesitic Agglomerate. Intensely Altered (ble) Alteration is predominantly quartzitic epidote. Disseminated pyrite is pervasive throughout. A few narrow quartz veins occur near 27.00m.		12R										
28.20	34.00		ORE ZONE Several Quartz Pyrite zones in a silicified and talcose tuff?	28.20-29.20 5088 29.20-30.20 5089 30.20-31.20 5090 31.20-32.20 5091	20R		5088	1.0 m	.34	.01	.03	.99	.133		
34.00	37.00		Altered Pale Pink Andesite Tuff Intensely silicified and talcose volcanic tuff. Pervasive quartz veins. Some zones intensely altered fragments	32.20-33.20 5092 33.20-34.00 5093	18R		5092	1.0 m	.09	.01	.02	.27	.009		
37.00	61.57		Maroon Agglomerate Fragmental unit. Clasts vary in size from pebble to cobble. Clasts vary widely in color. Barren quartz veins are pervasive throughout the zone.												

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <b>NQ</b>		DIP TESTS				PROPERTY <b>Dome Mountain</b>		PROJECT No. <b>Boulder Creek</b>		N.T.S. No. <b>93 L/10 E</b>	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <b>1</b> of <b>2</b>	
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip	
Dep.		Length		Bearing						Dep.		Length		Bearing	
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
0	4.30	Cased									Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
4.30	7.30		Pale Agglomerate Intensely altered and weathered Volcanic Breccia. Pyrite - limonite common along fracture and remaining clasts.												
7.30	15.25		Massive Agglomerate (massive) Varied volcanic clasts within andesitic matrix. Discontinuous pyrite is distributed throughout but more concentrated along thin Quartz-pyrite veinlets. Silicification is pervasive.				<18%								
15.25	21.00		Massive Agglomerate Varied volcanic clasts within an andesitic matrix. Some widely spaced Quartz-pyrite veinlets.												
21.00	32.75		Massive Agglomerate (massive) Massive bedded volcanic agglomerate composed of varied pebbles to cobbles sized fragments in a massive andesitic matrix. Several narrow Quartz-pyrite veins.				28%								
32.75	35.96		Massive Agglomerate (massive) Massive bedded Volcanic Agglomerate. Orientation is predominantly talcose with Quartz-pyrite veinlets. Discontinuous Pyrite is pervasive throughout the zone.				28%								
35.96	37.50		Mineralized zone Silicified and talcose altered zone with Quartz-pyrite-sphalerite			34.96 - 35.96			5094	1.0 m	.01	.01	.03	.01	.003
						35.96 - 37.26	78		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		Massive Agglomerate Varied Volcanic Fragments within massive andesitic matrix. Several narrow barren quartz veinlets.				18								
44.41	50.50		Green Andesite Flow/tuff Fine Grained massive bedded volcanic. Pervasive carbonatized planar cracks. Barren Qtz Veinlets common.												





NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <b>NQ</b>		DIP TESTS				PROPERTY <b>Dome Mountain</b>			PROJECT No. <b>Boulder Creek</b>		N.T.S. No. <b>93 L/10 E</b>	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <b>1</b> of <b>2</b>			
Lot	Elev	Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot	Elev	Dip	HOLE No. <b>T-86-33</b>				
Dep	Length	Bearing						Dep	Length	Bearing						
From 0	To <b>6.15</b>	Recovery <b>Cased</b>	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS							
									Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)			
<b>6.15</b>	<b>16.00</b>		<del>grey to Purple Tuff (Andesite)</del> <b>Massive bedded fine grained crystal tuff. Rare volcanic fragments in a tuffaceous matrix.</b>													
<b>16.00</b>	<b>17.07</b>		<del>Pale Altered Andesite Tuff.</del> <b>Intensely talc altered tuff. Ubiquitous quartz veinlets. One 10cm Quartz-Sulphide zone.</b>													
<b>17.07</b>	<b>21.62</b>		<del>Green to Mauve Tuff/Fragments</del> <b>Massive bedded fine grained tuff with some fragments. Pervasive barren quartz veining throughout. Some narrow quartz-sulphide stringers.</b>													
<b>21.62</b>	<b>23.00</b>		<del>Palegreen Altered Tuff (mildly Altered)</del> <b>Thick to massive bedded pale green tuff (minor fragments) more or less porous, silicified and talcose at the top to intensely silicified and talcose at the bottom</b>	<b>22.0-23.0</b>	<b>28PY</b>		<b>5099</b>									
<b>23.00</b>	<b>23.77</b>		<b>ORE ZONE</b> <del>and Brecciated</del> <b>Intensely Fractured and Brecciated Quartz-pyrite-Chalcopyrite-sphalerite.</b>	<b>23.0-23.85</b>	<b>15B</b>		<b>5097</b>									
<b>23.77</b>	<b>26.70</b>		<del>Pale Green Tuff (Altered)</del> <b>Moderately altered massive bedded tuff</b>	<b>23.85-24.85</b>	<b>2B</b>		<b>5098</b>									
<b>26.70</b>	<b>28.20</b>		<del>Mineralized Tuff</del> <b>Intensely silicified and pyritic volcanic tuff. Several narrow zones of Quartz-pyrite-Chalcopyrite mineralization</b>		<b>4B</b>											
<b>28.20</b>	<b>42.06</b>		<del>Palegreen to Mauve Tuff (Altered)</del> <b>Massive bedded fine-grained volcanic tuff. Narrow quartz-pyrite veinlets are widely distributed throughout the section. Disseminated pyrite is pervasive.</b>		<b>2B</b>											

DRILL LOG - 81

Date \_\_\_\_\_ Logged By \_\_\_\_\_

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY Dome Mountain		PROJECT No. Boulders Creek		N.T.S. No. 93 L/10 E		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 2		
Lot.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.		
Dep.		Length		Bearing						Dep.		Length		T-88-93		
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
42.06	50.50		Maive Andesitic Agglomerate-tuff. Mainly monolithic fragments within a Maive tuffaceous matrix. Some narrow bleached and altered zones with accompanying Quartz-Sulphide veins. Massive bedded.					28py								
50.50	50.75		Maive Lapilli Tuff. Mostly heterolithic fragments with a maive tuffaceous. Finely bedded with sharp contacts to the overlying and underlying agglomerate-tuff units.				Foliated bedding to core axis 30°									
50.75	51.20		Maive Andesitic Agglomerate-Tuff. Main monolithic fragments within a maive tuffaceous matrix. Some narrow bleached and altered zones. Disseminated pyrite is common.					28py								

DRILL LOG - 81

Date \_\_\_\_\_ Logged By John Leask.

# NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <b>NQ</b>		DIP TESTS				PROPERTY <b>Dome Mountain</b>		PROJECT No. <b>Boulder Creek</b>		N.T.S. No. <b>93 L/10 E</b>	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <b>1</b> of <b>2</b>	
Lot.		Elev.		Dip <b>-45°</b>		RECORDED		CORRECTED		Lot.		Elev.		Dip	
Dep.		Length <b>67.97 m</b>		Bearing <b>[014]</b>						Dep.		Length		Bearing	
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
0	4.92	Cased									Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)
4.92	20.20		Lt. green to Mauve andesite tuff. Neatly chloritized massive bedded Andesite tuff. Rare fragments within the lower part of the section Agglomerate at 25.0 to 20.0				< 1%								
20.20	25.85		Pale Mauve Tuff (moderate to strongly silicified) moderate to intensely silicified and talc altered volcanic tuff. Fragments are present intermittently. Narrow Quartz-Pyrite veinlets are abundant.			24.85 - 25.85	2%		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 - 26.05	5%		5102	1.0 m	.01	.01	.02	.01	.002
						25.85 - 27.13			5100	1.28 m	.03	.01	.03	.09	.016
27.13	37.27		Lt Mauve Andesite Tuff. Neatly talcose altered and pervasively silicified massive bedded fine grained crystal tuff? Sulphide rich quartz veinlets ubiquitous. Much disseminated pyrite.			Qty flooding and stockwork in immediate hanging wall of mineralization	2%								
37.27	39.32		Pale Green Crystal Tuff. Neatly altered and mineralized massive bedded tuff. Several narrow Quartz-pyrite veinlets cross the core at high angles.				28%								
39.32	40.82		Mauve Andesitic Agglomerate. Neatly altered, massive bedded fragmental volcanic												
40.82	41.00		Gouge Zone. Extremely altered and fractures clay filled fault zone				28%								
41.00	43.50		Mauve Agglomerate (Auto) Massive bedded volcanic fragmental. Pebbles to cobbles sized mafic fragments in altered matrix												

DRILL LOG - 81

Date \_\_\_\_\_ Logged By \_\_\_\_\_

John Leask.

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 2		
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip		
Dep.		Length		Bearing		RECORDED		CORRECTED		Dep.		Length		Bearing		
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
43.50	53.75		Massive to Pale green Crystal Tuff crystal tuff. Some remnant massive crystal tuff in pale green weakly altered crystal tuff. Perovskite Quartz veins (barren) with rare Quartz Pyrite.			Massive bedded	18py									
53.75	62.10		Massive Andesitic And Breccia Volcanic fragmental. Perovskite Iron Pyrite veins with rare Quartz-Pyrite veins that exhibit weakly altered selvages.			Massive bedded	18py									
62.10	67.20		Massive Andesitic Agglomerate Icterolithic fragmental unit. Pebble to cobble sized fragments			Massive bedded										
67.20	67.97		Massive to Pale Green Agglomerate Icterolithic fragmental unit			Weakly altered	18py									

DRILL LOG - 81

Date \_\_\_\_\_ Logged By John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <b>NQ</b>		DIP TESTS				PROPERTY <b>Dome Mountain</b>		PROJECT No. <b>Boulder Creek</b>		N.T.S. No. <b>93 L/10 E</b>	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <b>1</b> of <b>2</b>	
Lot.		Elev.		Dip <b>-90°</b>		248'		RECORDED		CORRECTED		RECORDED		CORRECTED	
Dep.		Length		Bearing <b>014°A2</b>		75.59m									
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
0	6.15										Cu%	Pb%	Zn%	Ag(oz/t)	Au(oz/t)
6.15	11.45	<del>None</del>	<b>Dark Green Andesite Agglomerate</b> Chloritized and altered volcanic fragmental with varied fragments												
11.45	13.00		<b>Moderate Dark Green Agglomerate</b> Weakly chloritized and altered (talc) fragmental matrix > fragments			weakly Foliated									
13.00	18.50		<b>Pale Mauve Agglomerate/Breccia</b> Moderata to intensely talc altered with pervasive disseminated pyrite			Strongly Foliated	18py								
18.50	19.75		<b>Mineralized Zone</b> Strongly talcose altered and silicified with disseminated pyrite and Quartz-Pyrite veinlets.			Sheared in place	58py	5103	17.5-18.5	1.0 m	.11	.01	.18	.10	.015
19.75	27.07		<b>Pale Mauve Tuff?</b> Intensely talcose altered and 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
27.07	28.25		<b>Mineralized Zone</b> Intensely silicified and Quartz-Pyrite veined. Intermittent talc altered zones. Thin clay seams 1/meter approx				58py	5105	19.5-20.5	1.0 m	.01	.01	.01	.01	.003
28.25	35.70		<b>Pale Mauve Auto Breccia</b> Moderata to weakly altered (talc) pyrite rich <b>Auto Breccia</b> Tuff.				28py	5106	20.5-21.5	1.0 m	.01	.01	.01	.01	.002
35.70	40.50		<b>Light Green Tuff</b> Massive bedded fine grained volcanic with abundant disseminated pyrite. Several narrow quartz-pyrite veinlets. <b>Excess the core at a steep angle.</b>				28py	5107	21.5-22.5	1.0 m	.01	.01	.01	.09	.003
								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
								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

DRILL LOG - 81

Date \_\_\_\_\_ Logged By John Leask.

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <b>NQ</b>		DIP TESTS				PROPERTY <b>Dome Mountain</b>			PROJECT No <b>Bois de la CreeK</b>		N.T.S. No <b>93 L/10 E</b>		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES							
Lot.		Elev.		Dip <b>- 90°</b>		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		HOLE No.	
Dep.		Length <b>248/75.59</b>		Bearing <b>—</b>						Dep.		Length		Bearing		<b>T-86-35</b>	
From	To	Recovery	Description			Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
40.50	42.06		Pale Mauve Tuff (Andesite) massive bedded tuffs and chlorite altered (moderately) volcanic tuff.					18py									
42.06	43.80		Mauve Tuff (Andesite) massive bedded fine grained volcanic. many laminar lower quartz veins.														
43.80	45.20		Mauve Auto Breccia (Andesite) massive bedded monolithic Breccia. Pervasive lower quartz veinlets.														
45.20	47.70		Pale Green Cryst 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 tuff. Many weakly altered zones with some chlorite. Quartz flooding is predominant.					18py									
51.20	75.59		Grey-Green-Lt Mauve Cryst Tuff Alternating Grey, Green and mauve massive bedded fine grained volcanic. Pervasive lower quartz veinlets. Quartz-Pyrite veinlets from 6700m														

DRILL LOG - 81

Date \_\_\_\_\_ Logged By John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <b>NQ</b>		DIP TESTS				PROPERTY <b>Dome Mountain</b>			PROJECT No. <b>Boulder Creek</b>		N.T.S. No. <b>93 L/10 E</b>						
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <b>1 of 1</b>							
Lot		Elev		Dip <b>-90°</b>		RECORDED		CORRECTED		RECORDED		CORRECTED		Lot		Elev		Dip		HOLE No.	
Dep		Length		Bearing <b>014°</b>		<b>625.10m</b>								Dep		Length		Bearing		<b>T-86-36</b>	
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS									
0	4.88	Cased											Cu%	Pb%	Zn%	Ag (oz/t)	Au (oz/t)				
4.88	15.10		<del>Grey-Green-Mauve Tuff</del> Interbedded Grey-Green-Mauve crystal tuff. Some foreign fragments are incorporated within the tuffaceous matrix.																		
15.10	16.60		Pleuve Aste-Breccia (Andesite)																		
16.60	21.20		Pale Mauve (Aste Breccia) (Andesite) Weakly to moderately altered mauve volcanic Aste Breccia. Alteration is predominantly talc, clay, carbonate. Some narrow quartz-pyrite veins.				breccia														
21.20	24.08		ORE Zone Pyrite-Sphalerite-Carbonate-chalcoprite mineralization in a quartz zone. Several talc altered inclusions occur within the quartz-sulphide zone.				20.2 - 21.2	20%			5115	1.0 m	.03	.01	.11	.11	.009				
							21.2 - 22.2				5116	1.0 m	.05	.04	.01	.83	.044				
							22.2 - 23.2				5117	1.0 m	.01	.01	.01	.09	.002				
							23.2 - 24.08				5118	.88 m	.02	.01	.01	.14	.010				
24.08 - 25.08	5119	1.0 m	.01	.01	.01	.05	.003														
24.08	34.72		Altered Mauve Aste-Breccia   Talc and Carbonate altered Andesitic Breccia. Narrow Quartz-Pyrite veins in silicified zones are ubiquitous.																		
34.72	36.46		Pale Mauve Aste Breccia   Weakly talc and carbonate altered Mauve Andesitic tuff. Several mottled-bleached zone with disseminated pyrite.																		
36.46	40.00		Mauve Andesitic Aste Breccia massive bedded intensely carbonatized and chloritized volcanic.																		
40.00	<del>62.51</del>		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.				Weakly Foliated														

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Date \_\_\_\_\_ Logged By \_\_\_\_\_

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <b>NQ</b>		DIP TESTS				PROPERTY <b>Dome Mountain</b>		PROJECT No <b>Barber Creek</b>		N.T.S. No <b>93 L/10 E</b>	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <b>1</b> of <b>1</b>	
Lot		Elev		Dip <b>-45°</b>		RECORDED		CORRECTED		Lot		Elev		Dip	
Dep		Length		Bearing <b>015°</b>		<b>38.0m</b>				Dep		Length		Bearing	
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
0	6.15m	Cased									Cu%	Pb%	Zn%	Ag(oz/t)	Au(oz/t)
6.15	11.58		<b>Mauve And Breccia</b> Weakly to moderately talcose altered Andesite cracks breccia. Fragments tend to be much more altered than the matrix.			Foliated	18py								
11.58	13.40		<b>Mauve Tuff / Fragmental</b> Intensely talcose altered volcanic tuff with some foreign fragments (pebble to cobble size)			Intensely Foliated	18py								
13.40	14.40		<b>Pale Mauve Tuff</b> Intensely talc altered and pyritized with narrow Quartz-pyrite veinlets.				28py		15.78-15.85 m	taken for preliminary metallurgy					
14.40	17.40		<b>ORE Zone</b> Intensely silicified Quartz-Sphalerite-Galen-Chalcopyrite mineralization with large inclusions of talc altered wallrock.			13.4 - 14.4 m	158		5121	1.0 m	.02	.02	.20	.14	.067
			14.4 - 15.4 m	5120	1.0 m	.20			.20	.34	1.94	.073			
			15.4 - 16.4 m	5122	1.0 m	.42			.91	3.01	3.28	.226			
			16.4 - 17.4 m	5123	1.0 m	.12			.03	.03	.86	.109			
			17.4 - 18.4 m	5124	1.0 m	.01			.01	.02	.03	.002			
17.40	27.82		<b>Pale Mauve Tuff / Fragmental</b> Intensely talcose altered and pyritized volcanic. Many narrow Quartz-pyrite veinlets.			Foliated	28py								
27.82	32.20		<b>Pale green/mauve Crystalline Tuff</b> Weakly to Moderately talc altered tuff with minor fragments. Rare Quartz-pyrite veinlets.			Foliated	18py								
32.20	38.10		<b>Green Porphyritic Volcanic (crystal tuff?, dyke?)</b> Compact, relatively fresh volcanic with abundant narrow quartz-pyrite veinlets				18py								

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Date \_\_\_\_\_ Logged By \_\_\_\_\_

John Leask



# NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <i>NQ</i>		DIP TESTS				PROPERTY <i>Dome Mountain</i>		PROJECT No <i>Boulder Creek</i>		N.T.S. No <i>93 L/10 E</i>	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES					
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip	
				<i>-90°</i>											
Dep		Length		Bearing		RECORDED		CORRECTED		Dep.		Length		Bearing	
				<i>015°</i>											
From 0	To 3.69	Recovery cases	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)		
<i>3.69</i>	<i>8.17</i>		<i>Massive Agglomerate/cupel tuff</i> <i>Massive bedded volcanic. Porphyritic matrix &gt; foreign fragments.</i>	<i>Foliated</i>											
<i>8.17</i>	<i>15.85</i>		<i>Pale Mauve Tuff. talc altered tuffaceous volcanic.</i>		<i>&lt;1%</i>										
				<i>15.85 - 16.85</i>			<i>5125</i>	<i>1.0</i>	<i>.09</i>	<i>.14</i>	<i>.17</i>	<i>.69</i>	<i>.054</i>		
				<i>16.85 - 17.85</i>			<i>5126</i>	<i>1.0</i>	<i>.17</i>	<i>.14</i>	<i>.16</i>	<i>1.80</i>	<i>.015</i>		
				<i>17.85 - 18.85</i>			<i>5127</i>	<i>1.0</i>	<i>.15</i>	<i>.21</i>	<i>2.99</i>	<i>.72</i>	<i>.107</i>		
				<i>18.85 - 19.85</i>			<i>5128</i>	<i>1.0</i>	<i>.31</i>	<i>.10</i>	<i>.29</i>	<i>1.70</i>	<i>.103</i>		
				<i>19.85 - 20.85</i>			<i>5129</i>	<i>1.0</i>	<i>.06</i>	<i>.02</i>	<i>.02</i>	<i>.26</i>	<i>.007</i>		
				<i>20.85 - 21.85</i>			<i>5130</i>	<i>1.0</i>	<i>.02</i>	<i>.01</i>	<i>.01</i>	<i>.01</i>	<i>.002</i>		
				<i>21.85 - 22.85</i>			<i>5131</i>	<i>1.0</i>	<i>.06</i>	<i>.01</i>	<i>.02</i>	<i>.11</i>	<i>.015</i>		
				<i>22.85 - 23.85</i>			<i>5132</i>	<i>1.0</i>	<i>.01</i>	<i>.01</i>	<i>.02</i>	<i>.04</i>	<i>.007</i>		
				<i>23.85 - 24.85</i>			<i>5133</i>	<i>1.0</i>	<i>.09</i>	<i>.01</i>	<i>.03</i>	<i>.31</i>	<i>.027</i>		
<i>33.22</i>	<i>38.56</i>		<i>MAUVE ANDESITE TUFF</i> <i>massive bedded volcanic crystal tuff. Pervasive brown quartz veins. Abundant disseminated pyrite.</i>												
<i>38.56</i>	<i>42.40</i>		<i>LT Green Andesite Tuff</i> <i>Massive, Compact, silica flooded, and heavily pyritized. Chlorite is pervasive.</i>												

DRILL LOG - 81

Date \_\_\_\_\_ Logged By \_\_\_\_\_

*John Leask*

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.									
FIELD CO-ORDINATES						DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES											
Lot		Elev		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lot.		Elev.		Dip		Sheet		of	
Dep		Length		Bearing		24600m								Dep.		Length		Bearing		HOLE No.		F-86-39	
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS														
									Cu%	Pb%	Zn%	Ag(oz/t)	Au(oz/t)										
0	3.66m	Cased																					
3.66	14.93		Mano to red dust/lapilli tuff. Thinly laminated to thick bedded tuffaceous volcanic. Heavily carbonated.	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		Manoon 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 K-feldspar clasts.																				
24.90	26.40		Mano P. dyke. Massive bedded slightly chloritized compact volcanic dyke? flow?																				
26.40	60.45		Mano Agglomerate. Massive bedded multi-variable fragmental volcanic. Mildly carbonated throughout. Several siliceous flooded sections. Rare Quartz - K-feldspar veins.																				
60.45	64.35		Mineralized Zone. Several Quartz-Chalcopyrite-pyrite - silica mineralized zones with bleached and altered Mano Agglomerate.				60.45 - 61.45	5034	1.0 m	.01	.01	.01	.03	.002									
							61.45 - 62.45	5035	1.0 m	.17	.01	.02	.41	.055									
							62.45 - 63.45	5036	1.0 m	.10	.02	.04	.23	.054									
							63.45 - 64.35	5037	.9 m	.30	.01	.03	.15	.003									

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Date \_\_\_\_\_ Logged By \_\_\_\_\_

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# NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
										DOME MTN.		BOULDER CK		93 L/10 E	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES					
Lot.		Elev.		Dip		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip	
				-60°											
Dep.		Length		Bearing		246.00'		74.98m		Dep.		Length		Bearing	
				015°										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	65.75		Andesitic flow porphyritic volcanic	Dark purple, compact			5038	.8 m	.01	.01	.05	.02	.002		
66.75	74.98		Andesitic <del>Massive</del> Agglomerate volcanic with varied	Dark, compact, fresh volcanic fragments.											

DRILL LOG - 81

Date \_\_\_\_\_ Logged By John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <b>NQ</b>		DIP TESTS				PROPERTY <b>Dome Mountain</b>		PROJECT No. <b>Boulder Creek</b>		N.T.S. No. <b>73 L/10 E</b>	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <b>1</b> of <b>2</b>	
Lot.		Elev.		Dip <b>-60°</b>		RECORDED		CORRECTED		Lot.		Elev.		Dip	
Dep.		Length		Bearing <b>015°</b>						Dep.		Length		Bearing	
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
0	1.84m	cased									Cu %	Pb %	Zn %	Ag (oz/t)	Au (oz/t)
1.84	2.84		Dark Green Porphyritic <sup>Matrix</sup> Massive compact porphyritic volcanic (chlorite pseudomorph after quartz)												
2.84	14.89		Maroon Crackle Breccia Calcite matrix and maroon andesite fragments 308 matrix - 708 frags. Some massive calcite veinlets												
14.85	15.85		Dark Green Porphyritic <sup>Matrix</sup> Massive compact porphyritic andesite. Weakly chloritic												
15.85	19.20		Maroon Crackle Breccia Calcite Matrix 508 - Fragments 508.												
19.20	30.17		Dark Green Porphyritic <sup>Matrix</sup> (Flow?) Massive, compact porphyritic volcanic, some red spots												
30.17	35.23		Maroon Tuff Breccia Intensely carbonatized hemitic tuff												
35.23	43.20		Grey/Green Porphyritic <sup>Matrix</sup> 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°									

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <b>NQ</b>		DIP TESTS				PROPERTY <b>Dome Mountain</b>		PROJECT No. <b>Boulder Creek</b>		N.T.S. No. <b>77 L/10 E</b>	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <b>2</b> of <b>2</b>	
Lot		Elev		Dip <b>-60°</b>		RECORDED		CORRECTED		Lot.		Elev.		Dip	
Dep		Length		Bearing <b>015</b>						Dep.		Length		Bearing	
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, dark grey veins.												
57.60	59.60		Maroon Dust tuff unit. Shallowly laminated fine grained tuff												
59.60	64.60		beige Rhyolite massive, compact, intensely pitted and quartz-pyrite stockwork veins			63.6 - 64.6		28py	5144	1.0 m	.01	.01	.02	.02	.006
64.60	69.19		ORE Zone			64.6 - 65.6			5139	1.0 m	.10	.01	.07	.20	.080
			Chalcopyrite mineralized zones with large inclusions of talc altered and quartz-sulphide veins, wall rock, some clay gouge zones.			65.6 - 66.6	108py	5140	1.0 m	.09	.01	.07	.08	.026	
						66.6 - 67.6	sph, gra	5141	1.0 m	.36	.02	.07	.64	.012	
						67.6 - 68.6	cpy.	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		18py	5145	1.0 m	.01	.01	.02	.04	.002			
70.19	72.84		Massive Volcanic structureless flow?, dyke? Fine grained massive												
72.84	82.00		Dk Green/Purple porphyritic Volcanic. Massive fresh flow/dyke? breccia with equal dark/light minerals. Some quartz exo.												

DRILL LOG - 81

Date \_\_\_\_\_ Logged By \_\_\_\_\_

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No		N.T.S. No		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 4		
Lat		Elev		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.		
Dep		Length		Bearing						Dep.		Length		T-8641		
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
0	3.05	CASED														
3.05	3.35		Maube Amygdaloidal Andesite			massive andesite flow with calcite filled amygdalae. pervasive hematite spots.										
3.35	3.85		Green Amygdaloidal Andesite			intensely Epidotized Andesite flow with calcite filled amygdalae.										
3.85	17.10		Maube/green porphyritic flow.			Massive series of porphyritic andesite flows. Red hematite spots ubiquitous										
17.10	17.50		Maroon Duff Tuff Unit			thinly laminated, carbonate silted tuff	bedding to core 30°									
17.50	18.50		Maroon Crackle Breccia			intensely carbonatized maroon andesite flow.										
18.50	21.20		dk Green Porphyritic flow			Massive, chloritized, hematite spotted andesite flow.										
21.20	26.50		Brecciated Maroon Porphyritic Flow			intensely, anta-brecciated Porphyritic Andesite flow. Calcite matrix										
26.50	27.90		Maroon Porphyritic flow			massive bedded, intensely carbonatized Andesite flow.										

DRILL LOG - 81

Date \_\_\_\_\_ Logged By \_\_\_\_\_

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <i>NQ</i>		DIP TESTS				PROPERTY <i>DOME MTN</i>		PROJECT No. <i>BOULDER CK</i>		N.T.S. No. <i>93 L/10 E</i>		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES						
Lot.		Elev.		Dip <i>-60°</i>		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		
Dep.		Length <i>454.67 / 137.72</i>		Bearing <i>[015]</i>						Dep.		Length		Bearing		
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
<i>27.90</i>	<i>33.00</i>		<i>Green Porphyritic Flow intensely chlorite and epidote altered.</i>													
<i>33.00</i>	<i>45.11</i>		<i>Andesitic Macoon Flow intensely carbonatized macoon andesite flow.</i>													
<i>45.11</i>	<i>50.80</i>		<i>Macoon Amygdaloidal Flow massive bedded flow with calcite filled amygdaloes.</i>													
<i>50.80</i>	<i>54.56</i>		<i>Grey Amygdaloidal Flow massive flow unit with calcite filled amygdaloes.</i>													
<i>54.56</i>	<i>62.20</i>		<i>Light Green Porphyritic Unit intensely epidotized and chloritized porphyritic volcanic flow.</i>													
<i>62.20</i>	<i>64.30</i>		<i>Macoon Porphyritic Flow massive flow unit with moderate carbonatization.</i>													
<i>64.30</i>	<i>72.00</i>		<i>Grey/Green Porphyritic Flow intensely epidote altered massive bedded andesitic flow.</i>													
<i>72.00</i>	<i>81.04</i>		<i>Macoon Dust Tuff thinly to medium bedded carbonatized dust tuff</i>			<i>bedding to core 60°</i>										

DRILL LOG - 81

Date \_\_\_\_\_ Logged By John Coak

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 4	
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip	
Dep.		Length		Bearing		RECORDED		CORRECTED		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. tuffaceous hole.	Massive, compact											
82.04	90.40		Maroon dust tuff.	Bedding to core 55°											
90.40	97.23		Grey/Green Tuff. Structured, with minor barren qtz veinlets.	Massive, compact; fresh											
97.23	103.83		Altered Grey/Green Tuff. Tuffaceous volc. Weakly talc altered and quartz-pyrite veined.	Massive compact											
103.83	103.50		Silicified Maroon Breccia/tuff and clay stockwork flooded.	Extremely silicified											
103.50	105.50		Pale Maroon tuff and pyritized, stockwork quartz-pyrite veinlets.	Extremely talc altered	105.5 - 106.5	38 PY	5146	1.0 m	.04	.35	.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	107.50		Beige Rhyolitic Dyke/tuff? compact felsic dyke. pervasive pyrite, and narrow quartz-pyrite veinlets	Light colored, fresh	108.5 - 109.5	38 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 galena-sphalerite mineralization zones with inclusions of talc altered wallrock	Quartz-pyrite-chalcopyrite mineralization zones	112.5 - 113.5	158 PY, apl. 49.00	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 - 81

Date \_\_\_\_\_ Logged By \_\_\_\_\_

John Leask



# NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <i>NQ</i>		DIP TESTS				PROPERTY <i>DOME MTN</i>		PROJECT No. <i>BOULDER CK</i>		N.T.S. No. <i>93 L/10E</i>		
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <i>4 of 4</i>			
Lat.	Elev.	Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.	Elev.	Dip	HOLE No. <i>T-86-41</i>				
Dep.	Length <i>454.67 / 139.9 m</i>	Bearing <i>[015]</i>						Dep.	Length	Bearing						
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
<i>115.50</i>	<i>127.10</i>		<i>Pale mauve/green tuff weakly to moderately altered &amp; heavily pyritized with quartz-pyrite veinlets</i>					<i>28py</i>								
<i>127.10</i>	<i>133.80</i>		<i>Mauve Andesitic tuff</i>													
<i>133.80</i>	<i>139.90</i>		<i>Pale Green Andesite Flow weakly altered, compact, unit with vertical quartz-pyrite veinlets.</i>					<i>28py</i>								

DRILL LOG - 81

Date \_\_\_\_\_ Logged By John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <b>NQ</b>		DIP TESTS				PROPERTY <b>Dome Mountain</b>		PROJECT No. <b>Boulder Creek</b>		N.T.S. No. <b>93 L/10 E</b>	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <b>1</b> of <b>3</b>		
Lat	Elev	Dip	Length		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.	Elev.	Dip	Length	Bearing	HOLE No. <b>T-86-42</b>	
Dep	Length	Bearing	From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
			0	1.85	Cased	<b>Amygdaloidal Flow (Andesite)</b> Massive bedded, quartz filled amygdules.									
			1.85	2.95		<b>Lt Green Amygdaloidal Flow</b> Antently silica flooded. hematite spots, quartz filled amygdules.									
			2.95	8.84		<b>Grey/Green Amygdaloidal Flow</b> Weakly chloritized and epidote altered, carbonate filled amygdules.									
			8.84	15.25		<b>Maroon Dust Tuff</b> Thinly laminated, fine grained.	<b>foliated bedding to core 65°</b>								
			15.25	16.25		<b>Grey/Green Argill. Porphyry Flow</b> pervasive hematite spots.									
			16.25	22.73		<b>Maroon Dust Tuff</b> Thinly laminated, fine grained.	<b>bedding to core 56°</b>								
			22.73	36.00		<b>Lt Green Dust Tuff</b> Massive, compact, barren qtz veins.									
			36.00	39.10		<b>Maroon Dust Tuff</b> Massive bedded.									
			39.10	49.00											

DRILL LOG - 81

Date \_\_\_\_\_ Logged By \_\_\_\_\_

John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet	
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip	
Dep.		Length		Bearing		RECORDED		CORRECTED		Dep.		Length		Bearing	
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		Massive/green Tuff silicified, compact	Massive bedded,	28py										
62.55	69.80		Massive Dust/Lapilli tuff laminated to medium, bedded tuff with variable (size and color) fragments, some interbedded of finely laminated dust tuff	bedding to core 50°											
69.80	109.42		Massive Agglomerate as the overlying unit but unsorted. (pebble to cobble size fragments)	Basically the same											
109.42	112.47		Pale Massive Agglomerate (Talc)	Altered Volcanoclastic	28py										
112.47	115.51		ORE Zone galena mineralization	Quartz - sphalerite - chalcopyrite	112.47 - 113.47	156	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		
116.04	117.04		Pale Massive Tuff crystal tuff	Talc altered	115.47 - 116.04	28py	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		Massive Crystal tuff and talc altered massive bedded tuff.	Weakly chloritized											
125.66	132.10		Massive Auto Breccia with rare chlorite veinlets and barren quartz veinlets.	Weakly chloritized											

DRILL LOG - 81

Date \_\_\_\_\_ Logged By John Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.				
				NQ						DOME MTN		BOULDER CK		93 L/10E				
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 3					
Lat		Elev			RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip		HOLE No.			
				Dip -60°												7-86-42		
Dep		Length		Bearing						Dep.		Length		Bearing				
				[015]														
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
132.10	133.80		Rhyolite Lapilli Tuff. Intensely siliceous, finely laminated, chloritic, tuff with quartz expts. Prominent vertical chlorite-halloysite veinlet					18 py rare Cpy										
133.80	160.90		Massive Crystal/Dust Tuff then to medium bedded															

DRILL LOG - 81

Date \_\_\_\_\_ Logged By Taha Leask.


NORANDA EXPLORATION COMPANY LTD.

Date Colored MAY 15, 1986		Date Completed MAY 17, 1986		Core Size NO		DIP TESTS				PROPERTY DONE		PROJECT No. BOULDER CK		N.T.S. No. 93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 4		
Lot		Elev			Dip	RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip	
Dep.		Length		Bearing						Dep.		Length		Bearing	
From	To	Recovery	Description			Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
0.0	6.0' 1.82		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' 21.02m		Maroon Andesite, quartz & calcite veinlets throughout												
69.0' 21.04m	91.5' 27.90m		Green Andesite, med grained, with dark green augite? blebs throughout chlorite ✓												
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. LEASE

NORANDA EXPLORATION COMPANY LTD.

Date Colored May 15/86		Date Completed May 17/86		Core Size NQ		DIP TESTS				PROPERTY DOME MTN		PROJECT No. BOULDER CK		N.T.S. No. 93 L/10 E		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES						
Lot.		Elev.		Dip		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		
				-70°										-72°		
Dep.		Length		Bearing						Dep.		Length		Bearing		
		616'		[014]										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	154' 46.95m		Green Andesite with minor (small) quartz veinlets													
154' 46.95m	178' 54.26		Thinly laminated maroon tuff, core/bedding 4  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  
out by 18' on chips

Date Colored May 15/86		Date Completed May 17/86		Core Size		DIP TESTS				PROPERTY Dome MTN		PROJECT No. IN BOXES.		N.T.S. No. 93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 4		
Lot	Elev	Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip		HOLE No.		
		-70°	536'											86-44	
Dep	Length	Bearing						Dep.	Length	Bearing					
	616'	[014]													
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									Cu%	Pb%	Zn%	Ag(oz/t)	Au(oz/t)		
234'	267'		Med Green & Maroon Andesite intermixed med grained w/ minor quartz veinlets												
71.34	81.40m														
267'	429'		Green and Maroon Volcaniclastics, fragments up to 5cm in length, some quartz; calcite veinlets												
81.40m	130.79m														
429'	439'		Pale green bleached out tuff, disseminated pyrite, with minor chalcopyrite in quartz veinlet												
130.79	133.84														
			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		
439'	499'		Alternating Green & Maroon Volcaniclastic Andesite					18.29 m			not sampled				
133.84	152.13														
499'	509'		Altered tuff, foliated with minor pyrite (alteration zone)				5164	1.0 m	.01	.01	.01	.02	.001		
162.13	155.18		Sample 152.13m - 153.13m				5165	1.0 m	.03	.01	.01	.07	.003		
			Sample 153.13 - 154.13				5166	.84 m	.05	.05	.09	.20	.039		
			Sample 154.13 - 154.97												
509'	510'		Mineralized horizon, Abundant pyrite, with minor galena, and chalcopyrite				5167	.32 m	.41	.09	.12	1.50	.291		
155.18	155.48		sample 154.97m - 155.29m												
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 Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
May 15/86		May 17/86		N9						Dome MOUNTAIN		BOULDER CR		93 L/10E			
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 4 of 4			
Lot		Elev		Dip		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		HOLE No.	
				-70°												86-44	
Dep.		Length		Bearing						Dep.		Length		Bearing			
		616'		[014]													
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
516'	616'		Med-coarse grained Maroon/green Andesite														
(57.3)	187.80		E.04														

DRILL LOG - 81

Date May 18/86 Logged By G. Cook



NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
MAY 16, 1986		MAY 18, 1986		AQ		FIELD CO-ORDINATES		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES			
										RECORDED		CORRECTED					
Lot		Elev.		Dip		350'						-71°		Lot.		Elev.	
Dep		Length		Bearing		500'						-73°		Dep.		Length	
		649'/197.6m		014°												T86-45	
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
0.0'	6.0'	0%	No recovery, casing														
6.0'	5.79m		Green Andesite, with augite blebs, med grained														
5.79m	10.06m		Mylon 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		Inter fingering in every 4-10cm green and pale mylon andesite, small quartz; calcite veinlets, red hematitic blebs														
18.73m	21.49m		Green Andesite, as above														
21.49m	40.85m		Mylon/Purple Andesite, quartz flooded with veinlets, no very low sulphides < 1% med grained														
40.85m	48.08m		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 Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.									
May 16/86		May 18/86		NQ		FIELD CO-ORDINATES		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES		Sheet 2 of 4							
Lot		Elev		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lot.		Elev.							
Dep		Length		Bearing		350'				-71°				Dep.		Length							
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 plects.																	
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 $\approx 45^\circ$																	
74.53m		77.11m				Maroon andesite, calcite flooded, red hematitic blebs.																	
77.11m		80.04m				Grey/Green Andesite																	

DRILL LOG - 01

Date 19, 05, 86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Colored May 16/86		Date Completed May 18/86		Core Size NP		DIP TESTS				PROPERTY DOME MOUNTAIN		PROJECT No. BOULDER CR		N.T.S. No. 73 C/10 E	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 4	
Lot		Elev		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.	
				350'										TBB-45	
Dep		Length		Bearing						Dep.		Length		Bearing	
		649 / 197.86 m		[014]		500'								-71° -73°	
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 blotches in some regions core/bedding + 40°												
88.26m	89.26m		Green Andesite, fined grained												
89.26m	100m		Maroon Andesite, with calcite and red blks.												
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		to Dominantly Maroon Volcaniclastic 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	.76 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 - 01

Date 19/05/86 Logged By G. LEASIK

# NORANDA EXPLORATION COMPANY LTD.

Date Colored <i>May 16/86</i>		Date Completed <i>May 18/86</i>		Core Size <i>NQ</i>		DIP TESTS				PROPERTY <i>DOMÉ MOUNTAIN</i>		PROJECT No. <i>BOULDER CR</i>		N.T.S. No. <i>93 L/10 E</i>	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <i>4</i> of <i>4</i>	
Lot		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.	
														<i>T86-45</i>	
Dep		Length		Bearing		350'		500'		- 71°		- 73°			
<i>649</i>		<i>/197.86m</i>		<i>[014]</i>											
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
<i>143.20m</i>	<i>144.20m</i>		<i>Pale green Altered andesite with some pyrite present along foliations</i>												
<i>144.20m</i>	<i>153.66m</i>		<i>Maroon volcaniclastic with ~ 10% green andesite clasts.</i>												
<i>153.66m</i>	<i>159.44m</i>		<i>Pale green/Pale maroon Andesite, Alteration Assamblage.</i>												
<i>159.44m</i>	<i>160.98m</i>	<i>*</i> <i>*</i>	<i>Pyrite foliated tuff, with minor sulphide poor quartz veinlets</i> <i>Sample.</i>												
<i>160.98m</i>	<i>170.01m</i>		<i>Pale green/Pale maroon Altered Andesite/tuff foliated some clay gouge. with minor disseminated pyrite.</i>												
<i>170.01</i>	<i>197.86m</i>		<i>Green : Pale maroon Andesite, quite coarse grained &amp; gritty to E.04 same as T86-44 Footwall.</i>												

still to sample

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
MAY 19, 1986		MAY 20, 1986		NO		FIELD CO-ORDINATES		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES			
										RECORDED		CORRECTED					
Lot.		Elev.		Dip		30'						-70°		Lot.		Elev.	
Dep.		Length		Bearing		589'						-71°		Dep.		Length	
		191.10m		014° Az												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, med 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°														
13.91m	14.61m		Green andesite, very dense & fine grained														
14.61m	16.77m		Maroon tuff, thinly laminated core/bedding angle 40°														
16.77m	17.38m		Dense green andesite														
17.38m	22.71m		Maroon tuff, thinly laminated C/D & 45°														

NORANDA EXPLORATION COMPANY LTD.

Date Colored May 19/86		Date Completed May 20/86		Core Size NQ		DIP TESTS				PROPERTY DOME MTN		PROJECT No BOULDER CR		N.T.S. No 93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 7		
Lot	Elev	Dip	30'		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot	Elev	Dip	HOLE No.			
Dep	Length 191.1m	Bearing [014]	589'					-70°	Dep	Length	Bearing	T86-46			
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
22.7m	27.29m		Green andesite, very fine grained with minor calcite veinlets.												
27.29m	28.66m		Murson Andesite, dense, fine grained												
28.66m	32.66m		Green/Gray Andesite with minor calcite veinlets, fine grained												
32.66m	33.06m		Murson Andesite, with minor calcite veinlets												
33.06m	33.64		Green Andesite with minor calcite veinlets med grained												
33.66m	33.71m		Clay Altered brecciated gouge zone. Quartz cemented												
33.71m	33.91m		Green andesite with minor calcite veinlets												
33.91m	34.57m		Med grained murson Andesite with minor calcite veinlets												

DRILL LOG - 01

Date 20/05/86 Logged By P. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Colored May 19/86		Date Completed May 20/86		Core Size NQ		DIP TESTS				PROPERTY DOME MTN		PROJECT No BOULDER CK		N.T.S. No 73 L/10E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 7		
Lot.	Elev.	Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip	HOLE No.			
Dep.	Length 191.1m	Bearing [014]	589'					-70°	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 <sup>volcanic</sup> Hypersaritic Autobreccia with minor calcite veinlets												

DRILL LOG - 01

Date 20/05/06 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Colored May 17/86		Date Completed May 20/86		Core Size 1 1/2		DIP TESTS				PROPERTY DOME MTN.		PROJECT No. BOULDER ct.		N.T.S. No. 93 L/10 E		
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 4 of 7			
Lot.	Elev	Dip - 70°	30'		RECORDED	CORRECTED	RECORDED	CORRECTED	-70°	Lot.	Elev.	Dip	HOLE No.	786-96		
Dep	Length	Bearing	589'					-71°	Dep.	Length	Bearing					
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 < 3m 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 - 81

Date 21/05/86 Logged By G. LEASK



NORANDA EXPLORATION COMPANY LTD.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
May 19/86		May 20/86		NØ		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 5 of 7	
FIELD CO-ORDINATES		Elev		Dip		30'		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.	
Lot		Length		Bearing		589'						-70°		-71°		TB6-46	
Dep		191.1 m		[014]													
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS								
118.60m	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.														
126.05m	128.05m		Maroon Volcaniclastic as above.														
129.05m	128.50m		Green Volcaniclastic as above.														
128.50m	128.55m		quartz veinlet with pyrite & 40% Pyrite														
128.55m	129.00m		Green Volcaniclastic, fragments quite faint														
129.00m	131.0m		Green Andesite med grained														
131.0m	133.0m		Green/Maroon Volcaniclastic with minor calcite veinlets														

DRILL LOG - 81

Date 21/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Colored May 19/86		Date Completed May 20/86		Core Size NQ		DIP TESTS				PROPERTY DOME MTN.		PROJECT No. BOULDER CK		N.T.S. No. 93 L/10 E				
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 6 of 7					
Lat.		Elev.			Dip	RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip				
Dep.		Length		Bearing		589'		-71°		Dep.		Length		Bearing				
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 sinter 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	1.0 m	.05	.01	.02	.05	.001	

DRILL LOG - 81

Date 21/05/86 Logged By G. LEASE

NORANDA EXPLORATION COMPANY LTD.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
May 19/86		May 20/86		NQ						DOME MTN.		POWDER CR.		93 C/10 E			
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 7 of 7				
Lot		Elev			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		HOLE No.		
Dep		Length		Bearing		30'		-70°		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)				
148.0m	148.5m		ORE ZONE strongly foliated & 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 foot wall 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 - 01

Date 21/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size <i>N9</i>		DIP TESTS				PROPERTY <i>SOME MOUNTAIN</i>		PROJECT No. <i>BOULDER CK</i>		N.T.S. No. <i>93 L/10 E</i>				
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet <i>1 of 4</i>				
Lot.		Elev.		Dip <i>-70°</i>		25'		250'		RECORDED		CORRECTED		RECORDED		CORRECTED		
Dep.		Length <i>243.6m</i>		Bearing <i>0140</i>		799'										MOLE No. <i>T86-47</i>		
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
<i>0.0m</i>	<i>6.09m</i>		<i>NO recovery, casing</i>															
<i>6.09m</i>	<i>11.76m</i>		<i>Maroon Andesite, fairly dense. non brecciated, med grained</i>															
<i>11.76m</i>	<i>21.51m</i>		<i>Maroon Volcaniclastic, w/minor green Volcaniclastic component</i>															
<i>21.51m</i>	<i>22.51m</i>		<i>Green andesite, trending into maroon volcaniclastic at base a 10cm transition</i>															
<i>22.51m</i>	<i>23.66m</i>		<i>Maroon Volcaniclastic with ≈ 30% green fragment component.</i>															
<i>23.66</i>	<i>27.13m</i>		<i>Green Volcaniclastic with ≈ 10% Maroon fragments.</i>															
<i>27.13m</i>	<i>30.17m</i>		<i>Green Andesite with 3mm thick quartz veinlet running // to core axis. ≈ 10% pyrite.</i>															
<i>30.17</i>	<i>38.07m</i>		<i>Green Volcaniclastic, 30% maroon fragments.</i>															

DRILL LOG - 11

Date MAY 21, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet		
Lot		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.		
Dep.		Length		Bearing		RECORDED		CORRECTED		RECORDED		CORRECTED		T86-47		
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 dominantly maroon to dominantly green fragments throughout.													
70.99m	74.25m		Green Andesite, med 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 andesite, 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
			Sample 119.78 - 120.78m						5177	1.0		.01	.01	.01	.01	.001
			Sample 120.78m - 121.78m						5178	1.0		.02	.01	.01	.02	.001
121.78m	122.85m		Slightly altered, green and maroon andesites.													

DRILL LOG - 01

Date MAY 21, 1986 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.				
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 4				
Lot		Elev		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip				
Dep		Length		Bearing		RECORDED		CORRECTED		Dep.		Length		Bearing				
		243.6		-70°										T86-47				
				25' 250'														
				[014]														
				799'														
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															
133.61m	140.29m		Alteration zone, strongly foliated no distinct quartz veins minor pyrite dissemination	133.61 - 134.61			5179	1.0 m										
				134.61 - 135.61			5180	1.0 m										
				135.61 - 136.61			5181	1.0 m										
				136.61 - 137.61			5182	1.0 m										
140.29	142.53		Green/maroon fragmental volcanic clasts up to 30cm of green andesite	137.61 - 138.61			5183	1.0 m										
				138.61 - 139.61			5184	1.0 m										
				139.61 - 140.29			5185	0.68 m										
142.53	143.43		Green andesite with thin quartz veinlets x 5% in the thin veinlets															

DRILL LOG - 81

Date MAY 21, 1986 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.											
				NQ						DOME MTN.		BOULDER CR.		93 L/10 E											
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES															
						RECORDED		CORRECTED																	
Lot.		Elev		Dip		25'		250'		-70°		-70°		-60°		Lot.		Elev		Dip		HOLE No.			
Dep		Length		Bearing		243.6 m		[014]		799		-70°		Dep.		Length		Bearing		T86-47					
From	To	Recovery	Description				Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS												
143.42	161.23 <sub>n</sub>		Green/Maroon Volcanic Breccia in and out of dominantly maroon to dominantly green each ± 15cm. w/ calcite veinlets.																						
161.23 <sub>n</sub>	164.41		Maroon Volcaniclastics with 15% green andesite fragments.																						
164.41	176.00 <sub>n</sub>		Green/Maroon Volcanic breccia segments large fragments with minor quartz & calcite veinlets																						
176.00 <sub>n</sub>	191.60 <sub>n</sub>		Dense green Andesite with minor quartz & calcite veinlets.																						
191.60 <sub>n</sub>	243.60 <sub>n</sub>		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 Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.									
MAY 21/86		22/05/86		NQ		FIELD CO-ORDINATES		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES									
Lot.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lat.		Elev.		Dip		Sheet 1 of 5			
Dep.		Length		Bearing										Dep.		Length		Bearing		HOLE No.			
		152.09m		-55°		499'														T8648			
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 brown 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 & 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				Grey/Green Andesite epidotized on fractures minor calcite veinlets																	

DRILL LOG - 01

Date 22/05/86 Logged By G. LEASK



NORANDA EXPLORATION COMPANY LTD.

Date Colored May 21 / 86		Date Completed May 22 / 86		Core Size NQ		DIP TESTS				PROPERTY DOME MTN		PROJECT No BOULDER CK		N.T.S. No 93 L/10 E		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 5		
Lot		Elev		Dip		RECORDED		CORRECTED		Lot		Elev		Dip		
				-55°		499'						-62°				
Dep		Length		Bearing		RECORDED		CORRECTED		Dep		Length		Bearing		
		152.07		[009]										786-48		
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
54.97m	55.27		Maroon Andesite, calcite flooded w/ red hematitic patches.													
55.27m	56.5m		Gray/Green Andesite, epidote & calcite flooded.													
56.85m	61.74m		Pale green Epidote rich andesite, with slickensided fracture surfaces, with minor thin calcite veinlets													
61.74m	65.19m		Gray/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		Gray/Green Andesite w/ calcite veinlets													
74.51m	83.84m		Maroon andesite, with epidote & calcite filled vesicles, with minor calcite veinlets													
83.84m	86.07m		Dark green Andesite, broken up, zone of breakage associated with calcite veinlets													

DRILL LOG - 01

Date MAY 23, 1986 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored May 21/86		Date Completed May 22/86		Core Size N9		DIP TESTS				PROPERTY DOME MTN.		PROJECT No. BOULDER CK		N.T.S. No. 73 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 5		
Lot		Elev			Dip	RECORDED	CORRECTED	RECORDED	CORRECTED	Lot		Elev		Dip	
Dep		Length		Bearing						Dep		Length		Bearing	
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
86.07m	93.63m		Maroon Andesite with calcite vesicles and veinlets												
93.63m	95.43m		Green Andesite with two distinct calcite veinlets $\approx 60^\circ$ to core axis with individual pyrite crystals within												
95.43m	98.48m		Maroon Andesite, with minor calcite veinlets red blotched. ie hematitic vesicles												
98.48m	98.98m		Green Andesite, has 3cm wide quartz veinlet with minor pyrite												
98.98m	101.49m		Maroon Andesite with calcite veinlets, some epidote rich vesicles												
101.49m	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 $\approx 5$ cm thick												

NORANDA EXPLORATION COMPANY LTD.

Date Colored May 21/86		Date Completed May 22/86		Core Size NP		DIP TESTS				PROPERTY DOME MOUNTAIN		PROJECT No. BOULDER CR		N.T.S. No. 93 L/10 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 4 of 5		
Lot	Elev	Dip	499'		RECORDED	CORRECTED	RECORDED	CORRECTED	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 veins + hematite vesicles												
111.54	116.98m		Hanging wall Alteration zone. Quartz flooded, abundant in epidote 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				5191	.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 pyrite												
			Sample 116.98 - 117.98				5192	1.0	.42	.37	.55	3.89	.668		
			117.98 - 119.03				5193	1.05	.13	.05	.07	.84	.114		
119.03m	122.58m		Footwall Alteration, pile maroon altered Andesite with minor disseminated Pyrite												
			Sample 119.03 - 120.03				5194	1.0	.03	.01	.02	.04	.004		
			120.03 - 121.03				5195	1.0	.01	.01	.02	.03	.001		
			121.03 - 122.03				5196	1.0	.01	.01	.02	.01	.002		

DRILL LOG - 01

Date 23/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.			
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 5 of 5				
Lot		Elev		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip		HOLE No.		
Dep		Length		Bearing						Dep.		Length		Bearing		786-48		
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.															

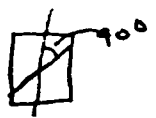
DRILL LOG - 01

Date 23/05/86 Logged By G. LEASK

NORANDA EXPLORATION COMPANY LTD.

Date Colored MAY 23, 1986		Date Completed MAY 25, 1986		Core Size NQ		DIP TESTS				PROPERTY DOME MOUNTAIN		PROJECT No.		N.T.S. No.		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 5		
Lat.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.		
				-75°		250'						-73°		T86-49		
Dep.		Length		Bearing		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.		
		197.81m		014°		500'						-72°				
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 vesicles													
42.36m	54.89m		Maroon Andesite with calcite amygdules and veinlets													
54.89m	55.53m		Green Andesite with minor calcite veinlets													

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.						
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 5							
Lat		Elev		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lot.		Elev.					
Dep		Length		Bearing						Dep.		Length		Bearing		HOLE No.					
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 hematitic vesicles, 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 / buff Core → bedding angle 															
73.62m		76.75m				Grey / Maroon Andesite, with red vesicles.															
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.															

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.			
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES						Sheet 3 of 5	
Lot.		Elev.		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		HOLE No.	
Dep.		Length		Bearing						Dep.		Length		Bearing		T86-49		
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
94.12m	102.99m		Gray/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	159.08m		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.															

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 4 of 5			
Lot		Elev		Dip		RECORDED		CORRECTED		Lot.		Elev.		Dip		HOLE No.	
Dep		Length		Bearing						Dep.		Length		Bearing		T86-49	
From	To	Recovery	Description				Structure		% Sulph.	Est. Grade	SAMPLE No.	Width		ASSAYS			
162.62m	164.08m		Pale green/pale maroon Andesite with Alteration (chloritic) Sample 163.08m - 164.08m								5197						
164.08m	164.28m		ORE ZONE ~ 20% sulphides mainly pyrite with galena, sphalerite & chalcopyrite in lesser quantities Sample 164.08m - 164.28m Sample 164.28m - 165.28m								5198 5199						
164.28	172.41m		Alteration zone, Pale maroon Andesite with quartz-carbonate alteration strongly foliated														
172.41m	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		Grey Altered Andesite with disseminated pyrite Sample 182.63 - 183.63 183.63 - 184.63 184.63 - 185.68								5200 5201 5202						
185.68m	185.98m		ORE ZONE Quartz Gangue Mineralization mainly pyrite with subordinate galena and sphalerite with chalcopyrite. Sample 185.68 - 185.98m								5203						

DRILL LOG - 81

Date 26/05/86 Logged By G. LEASK



NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.					
FIELD CO-ORDINATES						DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES								
Lot		Elev		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lot		Elev		Dip		
Dep		Length		Bearing										Dep.		Length		Bearing		
From	To	Recovery	Description				Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS							
185.90m	186.98m		Altered Pale Maroon Andesite																	
186.98	187.65m		Altered Pale green Andesite fragmental																	
187.65m	188.66m		Gley Gange zone is Alteration																	
188.66	189.26		Dense green Andesite																	
189.26	197.81m		Maroon Gritty Andesite																	
			E.O.H.																	

NORANDA EXPLORATION COMPANY LTD.

Date Colored MAY 25, 1986		Date Completed MAY 26, 1986		Core Size N Q		DIP TESTS				PROPERTY DOME		PROJECT No.		N.T.S. No.				
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 7				
Lot.		Elev		Dip -90°		710'		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.		
Dep		Length 216.46m / 710'		Bearing												186-50		
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
0.0m	152m		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 vesicles															
42.40m	43.18m		Green Andesite, with 2cm thick calcite vein, abundant chlorite vesicles															
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 vesicles & thin epidote veinlets															
47.33m	47.74m		Maroon tuff, thinly laminated core & bedding $\nabla 55^\circ$															
47.74m	57.48m		Grey Maroon $\rightarrow$ Grey Green Andesite with thin calcite veinlets															

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.		
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES						
Lot		Elev		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		
Dep		Length		Bearing						Dep.		Length		Bearing			
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 hematitic blebs														
64.0m	71.15m		Green Andesite, Med grained with minor calcite veinlets up to 1cm thick chlorite filled vesicles abundant.														
71.15m	76.20m		Maroon Andesite, with abundant calcite filled veinlets; vesicles.														
76.20	76.25		Epidote rich veinlets some distinct. <del>plagi</del> orthoclase feldspar 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 vesicles w/minor calcite veinlets														

DRILL LOG - 81

Date 26/05/86 Logged By G. LEASK

Sheet 2 of 7  
HOLE No. T86-50

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.					
FIELD CO-ORDINATES						DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES								
Lot		Elev		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lot.		Elev.		Dip		
Dep		Length		Bearing										Dep.		Length		Bearing		
From	To	Recovery	Description				Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS							
87.6m	88.1m		Maroon Andesite																	
88.1m	90.0m		Grey Green Andesite with chloritic hematitic blebs																	
90.01m	93.58m		Maroon Andesite with abundant calcite veinlets + vesicles.																	
93.58m	109.34m		Maroon tuff, fine grained, thinly laminated w/ thin rare calcite veinlets Core → bedding Angle $\approx 75^\circ$																	
109.34m	119.47m		Green/Maroon fragmental volcanic																	
119.47m	121.63m		Maroon Andesite, med grained, with rare calcite veinlets.																	
121.63m	122.86m		Green Volcaniclastic, with large calcite veinlets																	
122.86m	131.31m		Maroon Volcaniclastic, 2 30% green Andesite fragments																	

DRILL LOG - 81

Date 26/05/86 Logged By G. LEASK

Sheet 3 of 7  
HOLE No. T86-50

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.					
FIELD CO-ORDINATES						DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES								
Lat		Elev		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lat.		Elev.		Dip		
Dep.		Length		Bearing										Dep.		Length		Bearing		
From	To	Recovery	Description				Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS							
131.31m	132.46m		Green fragmental volcanic																	
132.46m	135.73		Maroon <del>Volcanic</del> 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																	
161.54m	161.56		Quartz vein $\approx$ 1 to hole $\approx$ 20% pyrite																	
161.56m	163.10		Alteration Zone, slightly altered pale green/pale maroon andesite																	
163.10m	163.14m		thin quartz vein $\approx$ 5% pyrite																	

DRILL LOG - 81

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	
Lot		Elev		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		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	165.64m		Alteration Zone, intensely altered with 3cm wide Q.V. running @ 80° to core axis, mineralized with pyrite.															
165.64m	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	183.41m		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 Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.			
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES						Sheet 6 of 7		
Lat.		Elev.		Dip		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip		HOLE No.		
Dep.		Length		Bearing						Dep.		Length		Bearing		786-50		
From	To	Recovery	Description				Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
184.77	185.27		Altered green andesite strongly foliated, with minor $< 1\%$ pyrite															
185.27	185.31		Quartz vein, $\approx 50\%$ pyrite															
185.31	185.55		Altered green andesite, w/ pale purple component.															
185.55	185.63		Quartz vein $\approx 50\%$ 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	186.82		Quartz vein, $< 5\%$ pyrite															

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.		
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES						
Lat.		Elev		Dip			RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip		
Dep		Length		Bearing						Dep.		Length		Bearing			
From	To	Recovery	Description				Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
186.86	188.05		Clay gouge fault zone														
187.05	216.46 E. 014		Alternating grey green / Grey maroon med Grained andesite														



# NORANDA EXPLORATION COMPANY LTD.

Date Colored 26/05/86		Date Completed 27/05/86		Core Size NQ		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES							
Lot		Elev			Dip	RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		
				-45°	300'											
Dep		Length		Bearing						Dep.		Length		Bearing		
		142.68m/468'												786-51		
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 260% 30% pyrite 10% zinc, 5% Pb. 15 Arsenopyrite minor chalc.													

DRILL LOG - 81

Date 29/05/86 Logged By Gordon Leask

NORANDA EXPLORATION COMPANY LTD.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.			
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 4				
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lot.		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 coarse grained pyrite w/ fine grained zone.															
			<del>Sample 40.96 - 41.96</del>								5208							
			41.96 - 42.39								5209							
			42.39 - 43.39								5210							
42.39m	58.10m		Green Andesite med grained w/ frequent calcite veins and chloritic vesicles															
			Alteration zone.															
58.10m	58.77m		Pale green/Pale maroon Andesite															
			Clay gouge fault zone															
58.77	59.12m																	
			Clay Altered green Andesite, badly broken up w/ minor calcite veins and chlorite alteration as well.															
59.12m	60.80m																	
			Mildly Altered Maroon Andesite.															
60.80m	61.30m																	
			Alteration Zone, Pale green Andesite															
61.30m	65.46m		Kaolinized; chloritized with abundant calcite veins															

NORANDA EXPLORATION COMPANY LTD.

Date Collared		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES							
Lot		Elev		Dip		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		MOLE No.	
Dep.		Length		Bearing						Dep.		Length		Bearing		786-51	
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						
65.46	66.55m		ORE ZONE Q.V. w/ abundant sulphide ~ 40% sulphide														
			mainly pyrite ~ 20%, 10% sphalerite 5% galena, 2% chalc. 2% arsenopyrite														
			Sample 65.46m - 66.55m								5215						
66.55m	67.55m		Mildly altered pale maroon andesite. Sample 66.55m - 67.55m								5216						
67.55m	76.60m		Maroon/Green Volcaniclastic														
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 Colored		Date Completed		Core Size		DIP TESTS				PROPERTY			PROJECT No.		N.T.S. No.			
FIELD CO-ORDINATES						DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES						Sheet 4 of 4	
Lot		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						
85.53m	106.07m		Maroon / Green Volcaniclastic															
106.07m	121.05m		Fault zone, Badly broken ground in maroon andesite, kaolitized no sulphide mineralization															
121.05m	125.70m		Maroon Andesite w/ minor calcite veinlets tuffaceous															
125.70m	134.83m		Dense Green Andesite															
134.83m	142.68m		Grey Maroon / Grey Green Andesite E.O.H.															