DIAMOND DRILLING

Township: Noseworthy

Report No: 21

WORK PERFORMED FOR: Newmont Exploration of Canada Ltd.

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER [ ]

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
L 633343, 435	262-86-6	294m	Feb/86	(1) (2)
L 633435, 733744	262-86-7	285m	"	(1) (2)
		579m		

NOTES: (1) #148-86

(2) #544-86

NEWMONT EXPLORATION OF CANADA LTD.

PROJECT Mikwam, Ont.-262

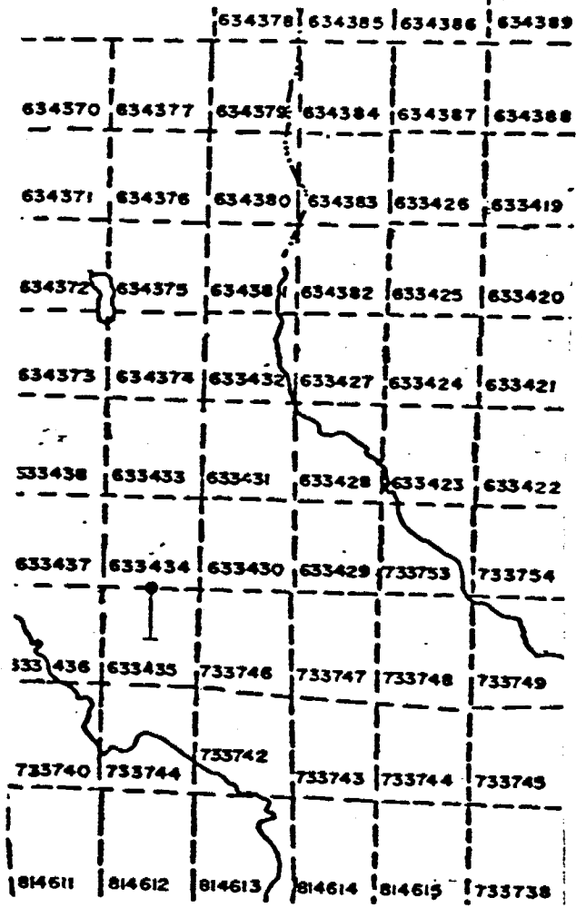
DIAMOND DRILL HOLE RECORD

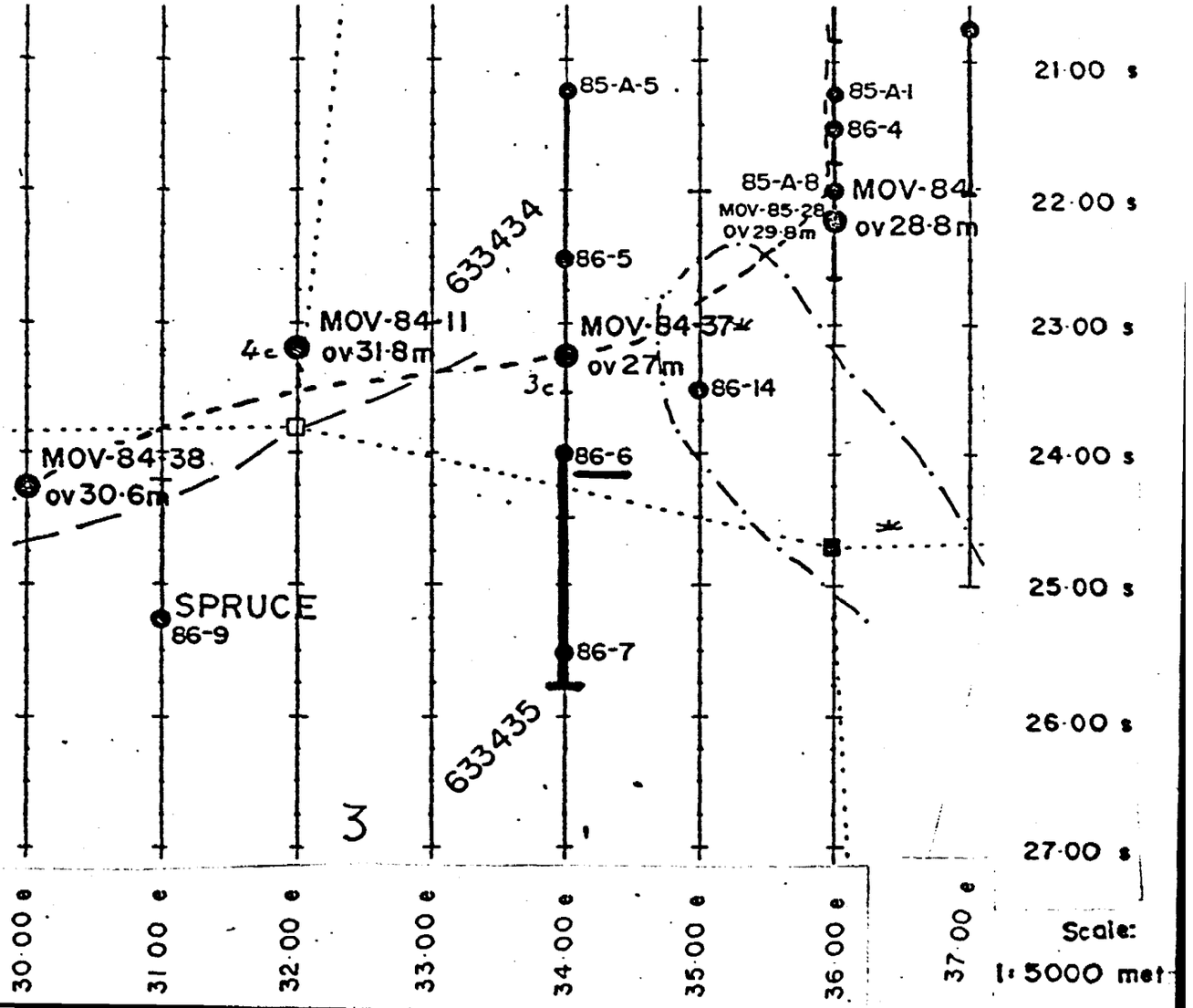
HOLE No. DDH-262-86-6

LOCATION	DIP TEST			LEVEL	HORIZONTAL COMPONENT 246m	DATE STARTED Feb. 12, 1986
AREA or TWP. Noseworthy Twp.	~~METRES~~ FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		VERTICAL COMPONENT 152m	DATE FINISHED Feb. 16, 1986
CLAIM No. L.633434, 633435	0		48°	ELEVATION	BEARING 180°	LOGGED BY R.A. Archer
	150m	39°	31.5°	LATITUDE 24+00S	LENGTH 294m (965 feet)	PURPOSE Test IP anom. south of main zone
NTS 32E/5 UTM	294m	17°	13°	DEPARTURE L34+00E	CORE LOCATION	TOT. RECOVERY 100%

DIAMOND DRILL HOLE LOCATION SKETCH

SCALE: 1" = 1/2 mile





NEWMONT EXPLORATION OF CANADA
Diamond Drill Hole Log

Project
Hole #262-86-6 Page 1 of 5

FOOTAGE From	To	ROCK TYPE AND DESCRIPTION	Core % Angl	SULP	SAMPLE Number	from	to	length	Analytical results Au ppb	As ppm	Cu ppm	Zn ppm	Ag ppm	Au oz/t
0	55	OVERBURDEN - CASING REMOVED												
55	198.3	MAFIC TO INTERMEDIATE TUFFS AND FLOWS												
		-sericitic, pale olive green to 57.5m then green to brown after that -fairly homogeneous, foliated but not laminated -pervasive calcite alteration												
		-purplish brown sections contain 2% pyrite while olive green sections contain none			23707	66	67.5	1.5	8	5				
		-pyrite occurs as fine grained stringers associated with calcite alteration			23708	70.6	72	1.4	11	ND				
		-foliation is fairly consistent @ 25-30 to C.A.	25											
		88.6-89.9m -possible carbonaceous component	30											
		89.9m -ankerite alteration starts to replace calcite - fairly sharp transition												
		91.3m -short section of 50% ankerite, 2% pyrite												
		92.6-93.0m -3% pyrite	3%		23709	92.6	93.1	0.5	10	30				
		93.0-93.1m -quartz-ankerite vein												
		93.1-93.7m -good tuffaceous texture												
		96.6-97.0m -3% pyrite, partially oxidized	3%		23710	96.6	97	0.4	21	ND				
		97.0m -ankerite alteration is intense from here on												
		99.3m -sericite in matrix becomes greenish; start of obvious cataclasis, increasing down to graphitic shear. Carbonaceous content also increasing -fine grained, highly schistose, almost phyllitic-looking. Foliation is variable, folded												
		110.5-111.5m -graphitic shear, fairly conductive, 3% pyrite, abundant quartz ankerite veining	3%		23711	110.5	111.8	1.3	19	ND				
		111.5-112m -75% quartz-ankerite												

NEWMONT EXPLORATION OF CANADA
Diamond Drill Hole Log

Project
Hole #262-86-6 Page 2 of 5

FOOTAGE From	To	ROCK TYPE AND DESCRIPTION	Core % Angl	SULP	SAMPLE Number	from	to	length	Analytical results Au ppb	As ppm	Cu ppm	Zn ppm	Ag ppm	Au oz/t
		111.8-113.3m -yellow-green sericite alteration, 10% quartz-ankerite, trace pyrite			23712	111.8	113.3	1.5	7	20				
		120.1m -sericitization starts to die off here and rock coarsens somewhat - becomes more like an ash tuff. Ankerite still pervasive												
		121.9-122.4m -60% quartz-ankerite veins, trace pyrite			23713	121.9	122.4	0.5	11	15				
		124.8m -6cm wide milky quartz vein with 1% sphalerite	1%											
		127.0m -effects of shearing start to diminish here												
		133.6-134.0m -20% quartz-ankerite veinlets, 1% pyrite, trace chalcopyrite	1%		23714	133.6	134	0.4	19	30				
		135.2-137.1m -somewhat phyllitic, 10% quartz-ankerite veins, trace pyrite												
		137.1-145.5m -alternating massive ash-fall tuffs to sericitic, laminated tuffs. Small quartz eyes visible in the former												
		145.5-157.4m -quartz eye tuff-fairly homogeneous texture, poorly foliated, up to 15% quartz eyes (up to 5mm in size) 1% finely disseminated pyrite locally sericitic, fissile, possible small shears												
		157.4-163.5m -matrix becomes more sericitic, locally almost phyllitic; often crenulated (still indicates westerly plunge of about 20 degrees)			23715	159.1	159.6	0.3	8	5	26	560		
		-quartz eyes less than 1mm locally 159.3m small quartz-ankerite veinlet with coarse sphalerite and pyrite -162.3-162.7m 80% quartz-ankerite veining			23716	162.3	162.7	0.4	6	ND	26	110		
		163.5-165.6m -ash tuff - fine grained, homogeneous texture; ankerite is pervasive but not intense												
		165.6-173.3m -lapilli tuff - rounded fragments of various compositions in a matrix			23717	165.7	166	0.3	11	30	112	108		

NEWMONT EXPLORATION OF CANADA
Diamond Drill Hole Log

FOOTAGE From	To	ROCK TYPE AND DESCRIPTION	Core % AnglSULP	SAMPLE Number	from	to	length	Analytical results Au ppb	As ppm	Cu ppm	Zn ppm	Ag ppm	Au oz/t
				23718	167.1	167.4	0.3	14	40	48	70		
		of fine ash - clasts vary from 0-75% but mainly matrix - supported. -clasts are chert, intermediate volcanic, rhyolite and fine grained "rip-up clasts" of mudstone (?) -about every 1-1.5m is an occurrence of sphalerite and/or chalcopyrite with pyrite in thin (up to 1cm) veinlets of quartz-ankerite	1%	23719	168.5	170.6	21	12	15	58	120	
	172.3-172.8m	-cherty argillite - grey - green, strong volcanic component		23720	172.8	174	1.2	10	30	58	56		
	172.8m	-argillite interbedded with ash tuff, trace sphalerite											
	174.0m	-trace chalcopyrite, possible arseno-pyrite											
	174.1m	-ash tuff - starts dark grey and becomes increasingly green with increasing sericitic component towards shear -foliation consistent at 45 degrees to C.A. @ 181m	45										
	183.7m	-small quartz-ankerite veinlets, trace sphalerite, pyrite		23721	183.3	183.9	0.6	7	10	48	92		
	189.4m	-becoming more schistose											
	190.6-191.7m	-shear zone - sericitic, non-mineralized @ 190.8m	45										
	191.7m	-becomes dark grey, more phyllitic, but still tuffaceous											
	193.1-194.9m	-20% quartz-ankerite veining, trace sphalerite		23722	193.1	194.9	1.8	10	20	14	160		
	195.6m	-phyllitic component decreases from here. -contact somewhat gradational											
198.3	294	QUARTZ - EYE PORPHYRY											
		-light grey - green to dark grey - up to 70% quartz eyes (up to 3mm) in a fine grained sericitic matrix; extremely hard											

FOOTAGE From	To	ROCK TYPE AND DESCRIPTION	Core % Angl	SULP	SAMPLE Number	from	to	length	Analytical results Au ppb	As ppm	Cu ppm	Zn ppm	Ag ppm	Au oz/t
		occasional lithic fragments and wisps of bright green sericite -grey sections are more phyllitic whereas green sections are quite massive and homogeneous												
		207.8m -2cm quartz-ankerite vein, trace sphalerite -trace to 1% disseminated pyrite -ankerite is pervasive												
		231.8-233.2m -1-2% fine grained pyrite in fractures and as disseminations			23723	231.8	233.3	1.5	11	15	12	120		
		236.0m -small sericitic shear, 1-2% pyrite -occasional speck of sphalerite		1-2%	23724	235.8	236.3	0.5	8	5	14	140		
		245.7-246.0m -sericitic tuff with 1% wisps of sphalerite following foliation. Intense ankerite alteration also		1%	23725	245.7	246	0.3	10	20	124	500		
		246.0m -from here rock is dark grey again, somewhat phyllitic												
		247.7-248.4m -sericitic tuff again but no sphal. -within grey tuff, quartz-ankerite veinlets containing 1% sphalerite are common, trace pyrrhotite also			26201	247.7	248.4	0.7	17	5	22	40		
					26300	255.6	255.9	0.3	10	5	18	160		
		260m -gets paler, less phyllitic												
		272m -start to get black quartz eyes, usually in a darker grey matrix which is interdigitated with the pale grey variety - alteration (?)												
		288m -matrix gets darker again but this time quartz eyes blend in with matrix + lose their distinction. By end of hole, rock is dark grey, glassy, with crackling throughout -probably rhyolite composition still get spotty sphalerite to end of hole			26202	281	282.2	1.2	7	10	14	84		
		281.0-283.4m -sericitic with 10-20% quartz-ankerite veining, trace sphalerite and pyrite			26203	282.2	283.4	1.2	6	5	14	78		

NEWMONT EXPLORATION OF CANADA
Diamond Drill Hole Log

Project
Hole #262-86-6 Page 5 of 5

FOOTAGE From	To	ROCK TYPE AND DESCRIPTION	Core % Angl	SULP	SAMPLE Number	from	to	length	Analytical results Au ppb	As ppm	Cu ppm	Zn ppm	Ag ppm	Au oz/t
	294	END OF HOLE												

NEWMONT EXPLORATION OF CANADA LTD.

PROJECT *Mikwam, Ont. - 262*

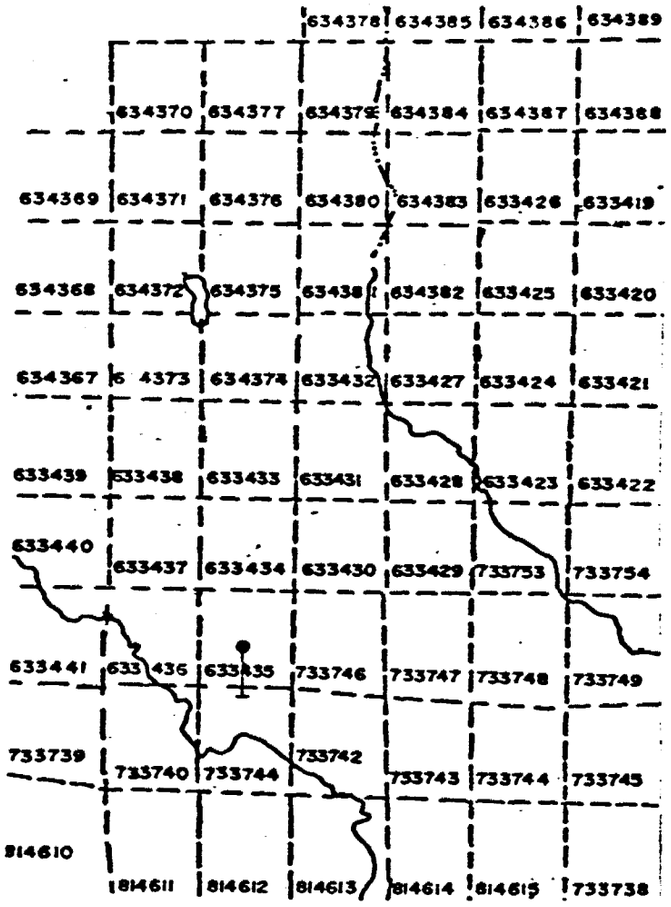
DIAMOND DRILL HOLE RECORD

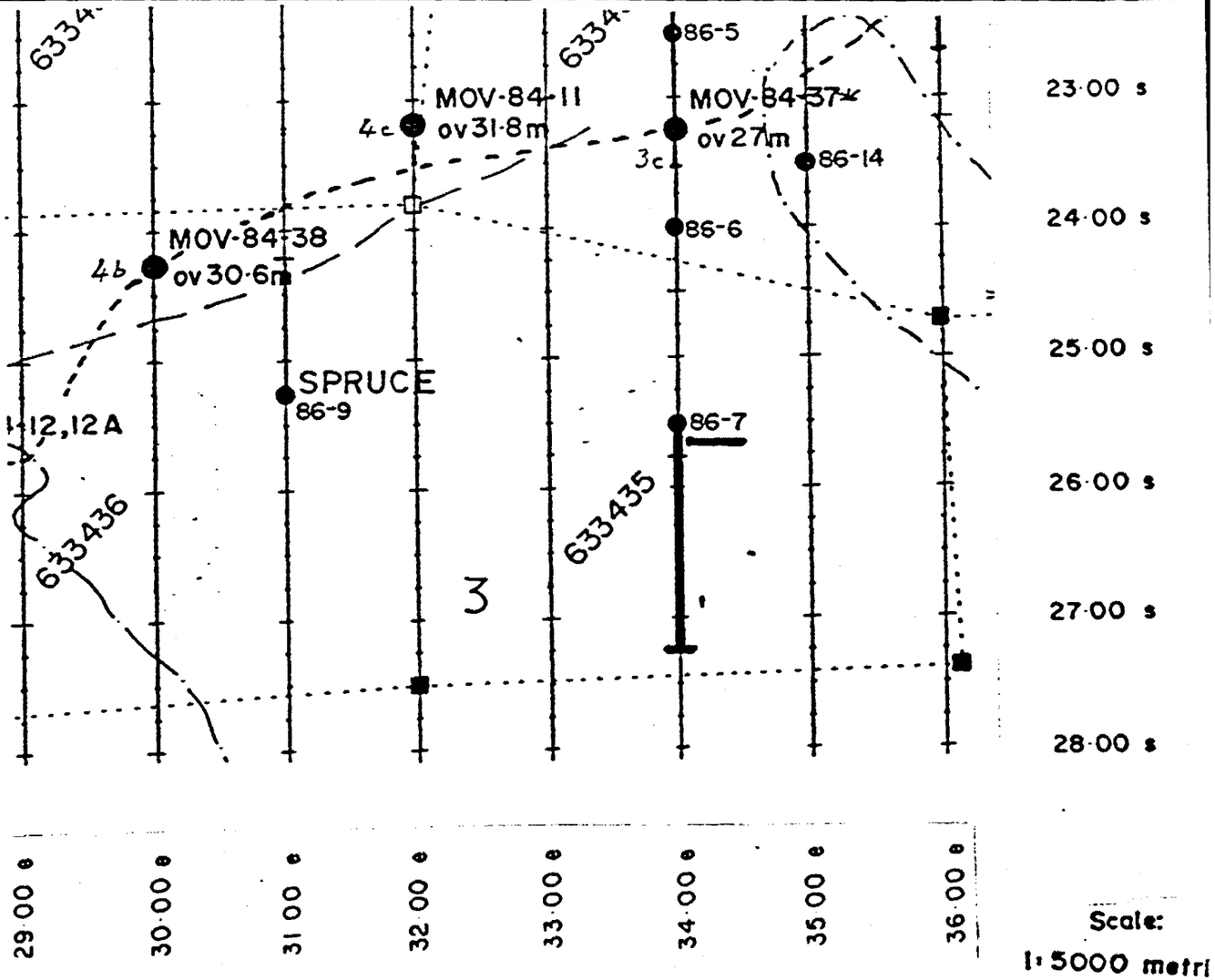
HOLE No. *DDH-262-86-7*

LOCATION	METRES	DIP TEST		LEVEL	HORIZONTAL COMPONENT	*230m*	DATE STARTED	*Feb. 16, 1986*
AREA or TWP. *Noseworthy Twp.*	FOOTAGE ~~xxxxx~~	ANGLE RECORDING	ANGLE CORRECTED		VERTICAL COMPONENT	*162m*	DATE FINISHED	*Feb. 19, 1986*
CLAIM No. *L.633435, L.733744*	*0m*		*48°*	ELEVATION	BEARING	*180°*	LOGGED BY	*R.A.Archer*
	150m	*45°*	*36.5°*					
NTS *32E/5* UTM	*285m*	*18°*	*14°*	LATITUDE *25+50S*	LENGTH	*285M (935 feet)*	PURPOSE	*Geology; test IP anomaly*
				DEPARTURE *L34+00E*	CORE LOCATION		TOT. RECOVERY	*100%*

DIAMOND DRILL HOLE LOCATION SKETCH

SCALE: 1" = ½ mile





NEWMONT EXPLORATION OF CANADA
Diamond Drill Hole Log

Project
Hole #262-86-7

FOOTAGE From	To	ROCK TYPE AND DESCRIPTION	Core % Angl	SULP	SAMPLE Number	from	to	length	Au ppb	As ppm	Cu ppm	Zn ppm	Ag ppm	Au oz/t
0	44	OVERBURDEN - CASING REMOVED												
44	174.6	QUARTZ EYE PORPHYRY												
		same as in DDH - 262-86-6 pale grey, sericitic; highly oxidized and weathered at top of hole ankerite still pervasive few quartz-ankerite veinlets but no obvious mineralization due to oxidation												
		77.6-78.3m few quartz-ankerite veinlets, 1% sphalerite @ 77.7m		1%	26204	77.6	78.3	0.7	8	5	10	68		
		86.7m starts to get darker and by 90.5m is almost black			26205	79	79.8	0.8	10	5	10	20		
		abundant silica flooding in pale grey sections-apparently non- mineralized			26206	91.9	93	1.1	7	50	12	78		
		abundant quartz-ankerite veinlets in dark grey section with specks of sphalerite common			26207	97.2	98.7	1.5	4	15	30	34		
					26208	98.7	100.2	1.5	7	40	32	48		
		97.2-110.2m zone of quartz-ankerite veining, sphalerite and arsenopyrite mineralization			26209	100.2	101.8	1.6	4	100	18	120		
					26210	101.8	103.4	1.6	10	250	28	56		
		sphalerite in veinlets, arsenopyrite as fine grained masses in veinlets and disseminated crystals in host rock (1% overall)			26211	103.4	104.9	1.5	6	50	16	44		
					26212	104.9	106.3	1.4	6	5	12	78		
					26213	109.6	110.2	0.6	12	15	32	140		
		123.3m 1cm subhedral, dark grey quartz crystal			26214	113.8	114.5	0.7	8	50	14	70		
					26215	115.6	117	1.4	7	5	12	56		
		129.6m veining decreases to a few occurrences every 5m or so, however ankerite is still pervasive			26216	117	118.1	1.1	7	20	14	84		
					26217	121.8	123.3	1.5	6	25	10	36		
					26218	123.3	124.7	1.4	4	50	12	38		
		147.8-150.1m dark grey, almost phyllitic matrix; 5% quartz-ankerite veining, 1% pyrite as blebs and subhedral cubes		1%	26219	126.5	128	1.5	51	5	10	36		
					26220	128	129.5	1.5	8	5	10	76		
		@ 148.9m	20		26221	129.5	129.9	0.4	6	10	10	140		
		158.1-159.0m 20% quartz-ankerite veins, trace pyrite			26222	137.6	138.3	0.7	3	15	12	54		
					26223	139.8	140.1	0.3	4	5	16	106		
		164.9-166.8m 5-10% quartz-ankerite veinlets, trace pyrite sphalerite			26224	147	147.3	0.3	4	5	8	260		
					26225	148.4	150.1	1.7	3	ND	8	120		

NEWMONT EXPLORATION OF CANADA
Diamond Drill Hole Log

FOOTAGE From	To	ROCK TYPE AND DESCRIPTION	Core % Angl	SULP	SAMPLE Number	from	to	length	Analytical results Au ppb	As ppm	Cu ppm	Zn ppm	Ag ppm	Au oz/t
					26226	158.1	159	0.9	4	10	12	44		
					26227	164.9	166.8	1.9	4	10	12	38		
					26228	170.3	170.9	0.6	6	25	28	58		
					26229	172.7	173.3	0.6	6	75	16	46		
		170.3-174.6m disrupted, somewhat brecciated with up to 30% quartz-ankerite veinlets, trace sphalerite, 1% py contact with lapilli tuff is gradational over 30cm		1%										
174.6	285	LAPILLI TUFF/VOLCANIC CONGLOMERATE												
		green, mostly clast supported but locally matrix supported. Matrix is an ash tuff not uncommon to get sections of ash tuff alone with no or few clasts @ 176.5m		35										
		clasts are entired of volcanic origin (including several types of chert) and are moderately to well-rounded. Range in size from <1mm to >10cm trace to 1% pyrite throughout												
		176.5m 5mm wide veinlet witih pyrite and sphalerite		2%	26230	176.4	176.7	0.3	15	125	48	400		
		pyrrhotite common, usually with pyrite, usually concentrated in clasts-probably 1-2% overall		1-2%										
		ankerite still pervasive in matrix. only occasional quartz-ankerite veining, usually with 1-2% pyrite and sometimes pyrrhotite and/or sphalerite												
		215.2-217m highly sericitic matrix - probably muddy sediment @ 206m		25										
		217m ankerite alteration increases @ 227.5m		25										
		228.2-229.4m foliation highly disrupted; 15% quartz-ankerite veining trace pyrite			26231	226.2	229.4	1.4	8	20	46	244		
		234.5-234.6m small fault or shear												
		236.1-236.7m 70% quartz-ankerite veining, trace pyrite, sphalerite @ 244m		40	26232	236.1	236.7	0.6	7	15	28	88		
		253.0-253.2m grey-white quartz cobble												
		252.6-254.7m late, pinkish calcite veinlets												
		267.8m cobble of porphyry very similar to												

NEWMONT EXPLORATION OF CANADA
Diamond Drill Hole Log

Project
Hole #262-86-7 Page 3 of 3

FOOTAGE From	To	ROCK TYPE AND DESCRIPTION	Core % Angl	SULP	SAMPLE Number	from	to	length	Analytical results Au ppb	As ppm	Cu ppm	Zn ppm	Ag ppm	Au oz/t
		another porphyry to south)												
	269.2-269.5m	milky-white quartz-ankerite vein, 1% coarse sphalerite, chalcopyrite and pyrite		1%	26233	269.2	269.5	0.3	8	40	120	464		
	273m	sharp change in matrix from pale grey-green ash tuff to dark grey phyllitic ash tuff (possible alteration from shear at 274.8m)												
	274.8m	small shear @ 50 to C.A.; somewhat graphitic but only very weakly conductive; 10 % quartz-ankerite veining, 3% pyrite		3%	26234	274.3	275.4	1.1	10	ND	82	132		
					26235	277.1	278.8	1.7	11	40	48	114		
	282.6-282.9m	20% quartz-ankerite veining, 2% pyrite, trace sphalerite		2%	26236	282.6	282.9	0.3	554	30	64	111		
	285m	still clast supported conglomerate @ 285m	40											
285	END OF HOLE													

AL

Ministry of Northern Affairs and Mines
Ontario

Report of Work

148/81

32E05NE0036 21 NOSEWORTHY

900

Mining Act

Name and Postal Address of Recorded Holder	Prospector's Licence No.
NEWMONT EXPLORATION OF CANADA LIMITED P.O. Box 1430 Timmins, Ontario. P4N 7N2	A-37767

NOSEWORTHY TWP.

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 1,900

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☒ Diamond or other Core drilling
- ☐ Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
L.	839437	25	L.	839445	25	L.	839453	25
[redacted]	839438	25	[redacted]	839446	25	[redacted]	839454	25
	839439	25		839447	25		839455	25
	839440	25		839448	25		839456	25
	839441	25		839449	25		839457	25
	839442	25		839450	25		839458	25
	839443	25		839451	25		839459	25
	839444	25		839452	25		839460	25

All the work was performed on Mining Claim(s):

ONTARIO GEOLOGICAL ASSESSMENT FILES RESEARCH OFFICE
MAY 14 1986
RECEIVED

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Drilling Contracted to:

St. Lambert Drilling Co. Ltd.
P.O. Box 473
Valleyfield, Quebec
J6S 4V7

Total Footage Drilled - 1,900

Total assessment credit claims - 1,900 days to be spread over 80 claims in Noseworthy Twp. as indicated herein.

Hole No.	Claim No.	Footage	Date Drilled
262-86-6	L.633434,435	37m + 257m = 294m (121.4'+843.2'=964.6')	Feb 12-16,1986
262-86-7	L.633435, 733744	250m + 35m = 285m (820.2'+114.8'=935')	Feb 16-19,1986

Date of Report	Recorded Holder or Agent (Signature)
April 10/86	Robert A. Archer

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying	Date Certified	Certified by (Signature)
R. A. Archer, P.O. Box 1430, Timmins, Ontario P4N7N2	April 11/86	Robert A. Archer

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other Information (Common to 2 or more types)	Attachments
Manual Work		Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

RECORDED
Nil
APR 14 1986
Receipt #

Mining Claim		Expend. Days Cr.
Prefix	Number	
L.	839461	25
	839462	25
	839463	25
	839464	25
	839465	25
	839466	25
	839467	25
	839468	25
	839469	25
	839470	25
	839471	25
	839472	25
	839473	25
	839474	25
	839475	25
	839487	25
	839488	25
	839489	25
	839490	25
	839491	25
	839492	25
	839493	25
	839494	25

Mining Claim		Expend. Days Cr.
Prefix	Number	
L.	839495	25
	839496	25
	839497	25
	839498	25
	839499	25
	839500	25
	839501	25
	839502	25
	839503	25
	839504	25
	839505	25
	839506	25
	839507	25
	839508	20
	839509	20
	839510	20
	839511	20
	839512	20
	839513	20
	839514	20
	839515	20
	839516	20
	839517	20

Mining Claim		Expend. Days Cr.
Prefix	Number	
L.	839518	20
	839519	20
	839520	20
	839521	20
	839522	20
	839523	20
	839524	20
	839525	20
	839526	20
	839527	20

Mining Claim		Expend. Days Cr.
Prefix	Number	

HOBLITZELL

BRADETTE

HURTUBISE

Note: Claims L733761, L810241 et al large as shown

SECTION ALONG L 34+00E - LOOKING WEST

S

N

Chargeability High

Chargeability High

DDH - 86-7

DDH - 86-6

25+50S | 25+00S | 24+50S | 24+00S | 27+50S | 27+00S | 26+50S | 26+00S

Overburden

Overburden

50m

100m

150m

200m

250m

EOH - 285m

EOH - 294m

Vole. Congl.

Volcanic Conglomerate

Quartz-Eye Porphyry

Ash Tuff

Ash Tuffs

Ash Tuff

SCALE

1:1000 metric