APPENDIX B

Geological and Geotechnical

Drill Logs 1-44 - Volume 3 of 3

Noranda Minerals Wisconsin Corp.

LYNNE PROJECT

22

(p. 351-420)

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-116

SULFIDES: % (T) A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
				c									f	65				5		70
245.00				b									f	65				5		70
	100	85	R3	b	30	2							f	65				5		70
248.00				c	50					-50B		Note: @ 248.0-339.0 Moderate to strong, dark green, translucent, massive serpentine or chlorite, decrease of carbonate content in rock	f	65				5		70
	100	95	R3	b	40	2							f	65				5		70
				b	60								f	65				5		70
				b									f	65				1		66
255.00				b									f	65				1		66
	100	100	R3	c	10	2				-30B			f	65				1		66
257.00					50					-50F			f	65				1		66
	99	95	R3	b	10	2							f	65				1		66
				b	50								f	65				1		66
				b									f	65				1		66
365.00				b									f	65				1		66
	99	95	R3	c	10	3							f	65				1		66
				b	40								f	65				1		66
				a	60						CS	^^ 272.0 279.0 Calcareous Sediment (?), light green, trace sulfides	f	65				1		66
				a									a				1			1
275.00				a									a				1			1
	100	95	R3	b	10	3							a				1			1
				b	45					-35B	Xca	^^ 279.0 305.0 Tuffite, calcareous, pyrite rich, moderate to strong serpentine, moderately bedded	a				1			1
				c	65					-65F			b	5			5			10
				c									b	5			5			10
285.00				c									b	5			5			10
	100	100	R2	c	45	2							b	5			5			10
				c	60								c	10			8			18
				c									c	10			8			18
				c								Note: @ 292.0 Bedding varies between 30-70 degrees	c	10			8	4		22
295.00				c						-50V			c	10			8	4		22
	100	90	R3	b	10	3				-50B		Note: @ 295.0 Vein cross-cuts bedding (opposite directions)	c	10			8	4		22
				c	40								c	10			8	4		22
				c	60								c	10			8	4		22
				c									c	10			8	4		22
305.00				c									c	10			8	4		22
	100	90	R2	c	50	1					TS	** 305.0 339.0 TALCOSE SEDIMENT, light green, minor sulfides, serpentine on fractures	c	10			8	4		22
				c									a	1				1		2
				c									a	1				1		2
				c									a	1				1		2
315.00				c									b	8				1		9
	100	100	R2	c	10	2							a	1				1		2
													a	1				1		2

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-116

SULFIDES: (T) % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
				c	50								a	1				1		2
				c									a	1				1		2
				b									a	1				1		2
325.00				b						-0		Note: @ 323.0-328.0 Shear zone, fractures parallel to core axis (0-10 degrees)	a	1				1		2
	100	80	R2	a	5	2							a	1				1		2
				a	40								a	1				1		2
				a									a	1				1		2
				b									a	1				1		2
335.00				b									a	1				1		2
	100	90	R3	a	5	3							a	1				1		2
				b	30					-50C	D	** 339.0 400.0 DACITE, black, aphanitic, subtle feldspar phenocrysts	a	1				1		2
				a	65								a	1				1		2
				b																
345.00				c																
										-30F										
										-45C	QDd	^^ 389.5 392.0 Quartz Diorite Dike								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-116

SULFIDES: (T) % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
									-30C	QD	** 400.0 462.5 QUARTZ DIORITE								
										gQD	^^ 400.0 421.0 Quartz Diorite, Granophyric								
											Note: @ 414.0-462.5 Strong orange iron staining of the quartz diorite								
									-5F										
									-0F										
									-5V	SZ	^^ 438.0 443.0 Shear zone, rock very broken, moderate clay gouge, small (.1") quartz vein @ 440.0								
									-20F		Note: @ 450.0-454.0 Rock very broken and sheared								
									-10F										
											E.O.H. 462.5' (total depth)								

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
0'	182.1	-60.0
100'	180.2	-57.5
200'	180.6	-57.5
300'	180.9	-57.7
370'	180.6	-58.0

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: J. Schaff
DATE COLLARED: 5-17-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-117 (WDNR #253)

DATE: 9-13-91
PAGE 1 OF 6

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-18-91

BEARING: S182.1E INCLINATION: -60.0 T.D: 370'
COORDINATES: L9900 E, 10825 N
ELEV: 1580.6' SEC: 15 TWP: 37N RANGE: 4E

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
0.0 82.5			** 0.0 82.5 OVERBURDEN	
82.0 86.5	(not recovered)			
82.5 110.0		MSca	** 82.5 110.0 MASSIVE SULFIDE	
110.0 150.5		Rsk	** 110.0 150.5 RHYOLITE	
114.0 121.0		MSca	^^ 114.0 121.0 Massive Sulfide	
150.5 225.0		MP	** 150.5 225.0 MASSIVE PYRRHOTITE	
171.5 174.0		MSca	^^ 171.5 174.0 Massive Sulfide	
174.0 183.5		TSs	^^ 174.0 183.5 Talcose Sediment	
183.5 190.0		Xca	^^ 183.5 190.0 Tuffite	
190.0 214.0		CS	^^ 190.0 214.0 Calcareous Sediment	
214.0 223.0		X	^^ 214.0 223.0 Tuffite	
223.0 225.0		TS	^^ 223.0 225.0 Talcose Sediment	
225.0 239.0		SL	** 225.0 239.0 SILTSTONE	
239.0 319.0		D	** 239.0 319.0 DACITE	
319.0 370.0		QD	** 319.0 370.0 QUARTZ DIORITE	
319.0 335.0		gQD	^^ 319.0 335.0 Quartz Diorite, Granophyric	

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
0'	182.1	-60.0
100'	180.2	-57.5
200'	180.6	-57.5
300'	180.9	-57.7
370'	180.6	-58.0

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: J. Schaff
DATE COLLARED: 5-17-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-117 (WDNR #253)

DATE: 9-13-91
PAGE 1 OF 6

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-18-91

BEARING: S182.1E INCLINATION: -60.0 T.D: 370'
COORDINATES: L9900 E, 10825 N
ELEV: 1580.6' SEC: 15 TWP: 37N RANGE: 4

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
			E.O.H. 370' (total depth)	

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-117

SULFIDES: % (T)
A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
0 82.5											** 0.0 82.5 OVERBURDEN								
											^^ 0.0 20.0 Gravel, with clay, and boulders								
											^^ 20.0 60.0 Sand, gravel, cobbles, boulders								
											Note: @ 35.0 45.0 Lost circulation								
											^^ 60.0 75.0 Sand and gravel								
											Note: @ 60.0 75.0 Lost circulation								
											^^ 75.0 82.5 Sand, gravel, and boulders								
										MSca	** 82.5 110.0 MASSIVE SULFIDE, calcareous, moderate amount of amber sphalerite, trace galena	f	68					68
86.5												f	68						68
	100	95	R3	c	40	1						f	68						68
				c								f	68						68
				c					-45B			f	68			5			73
				c								f	68			5			73
95.0				c								f	68						68
	100	100	R3	c	20	2						f	68						68
				c	40				-30B			f	68						68
				c								f	68						68
				c								f	68						68
105.0				c					-30B			f	68						68
	100	100	R3	c	25	2						f	68						68
				c	40							f	68						68
				b						Rsk	** 110.0 150.5 RHYOLITE, moderate calc-silicate (?) alteration, patchy apple-green epidote alteration	f	68					68
				b															
				c															
115.0										MSca	^^ 114.0 121.0 Massive Sulfide, calcareous, trace galena	e	40			2			42
	100	100	R3	c	40	1						e	40			2			42
117.0												e	40			2			42
	100	100	R3	c	25	2						e	40			2			42
				c	40							e	40			2			42
				b															

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-117

SULFIDES: (T) % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%		Sp	Cp	Ga	Py	Po	As	T
125.0				b																	
										-30V											
145.0																					
	100	95	R3	b	10	3															
				b	40					-20B	MP	** 150.5 225.0 MASSIVE PYRRHOTITE, minor serpentine		f	1			4	90		95
				c	60									f	1			4	90		95
				c										f	1			4	90		95
155.0				b										f	1			4	90		95
	100	95	R3	a	10	3								f	1			4	90		95
				c	40									f	1			4	90		95
				c	60									f	1			4	90		95
				c										f	1			4	90		95
165.0				c										f	1			4	90		95
	100	100	R3	c	15	3								f	1			4	90		95
				c	30									f	3			4	90		97
				c	60						MSca	^^ 171.5 174.0 Massive Sulfide, calcareous		f	3			4	90		97
				c										f	3			4	90		97
				c							TSs	^^ 174.0 183.5 Talcose Sediment, with disseminated sulfides		e	40			2			42
175.0										-40				e	40			2			42
	100	85	R2	c	20	2							b		5						5
				b	40					-40			b		5						5
				c									b		5						5
				c						-20B	Xca	^^ 183.5 190.0 Tuffite, calcareous, bedded to mottled appearance	b		5						5
185.0				c									b		5						5
	100	100	R2	c	10	2								c	10						10
				c	50						CS	^^ 190.0 214.0 Calcareous Sediment (?), green to light grey, mottled texture, (possibly an altered rhyolite)		c	10						10
				c										c	10						10
				c									a					2			2
195.0				b									a					2			2
	100	100	R2	c	40	1							a					2			2
				c									a					2			2
				c									a					2			2
													a		1			2			3

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-117

SULFIDES: % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60
(T)

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
				c																
205.0				c																
	100	100	R3	b	20	2				-60B										
				b	40															
				c						-80B										
				c							X	^^ 214.0 223.0 Tuffite, trace chalcopyrite	c	10				1		11
215.0				c									c	10				1		11
	100	100	R3	c	60	1							c	10				1		11
217.0													c	10				1		11
	100	90	R2	c	30	2							c	10				1		11
				c	60								c	10				1		11
				c									c	10				1		11
				b							TS	^^ 223.0 225.0 Talcose Sediment, minor breccia @ 225.0 contact	c	10				1		11
225.0											SL	** 225.0 239.0 SILTSTONE (?), dark green, very fine-grained, laminated to bedded								
										-55B										
										-60	D	** 239.0 319.0 DACITE, black, fine-grained, subtle feldspars, massive	a		1			1		2

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-117

SULFIDES: % (T)
A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
											Note: @ 295.0-319.0 Small calcite filled fractures at 0 & 40 degrees to core axis								
										QD	** 319.0 370.0 QUARTZ DIORITE								
										gQD	^^ 319.0 335.0 Quartz Diorite, granophyric								
									-0F										
									-0F										
									-20F										
									-25F										

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-117

SULFIDES: % (T)
A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
									-OF										
											E.O.H. 370' (total depth)								

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
0'	183.3	-60.1
100'	183.2	-58.4
200'	181.8	-58.6
300'	181.6	-58.9
400'	183.0	-58.9
548'	183.8	-58.6

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: T. Harding
DATE COLLARED: 5-17-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-118 (WDNR #246)

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-19-91

BEARING: S183.3E INCLINATION: -60.1 T.D: 548'
COORDINATES: L9900 E, 11165 N
ELEV: 1562.9' SEC: 15 TWP: 37N RANGE: 4E

DATE: 7-18-91
PAGE 1 OF 9

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
0.0 55.0			><< 0.0 55.0 OVERBURDEN	
55.0 60.0	(not recovered)			
55.0 145.5		RI	><< 55.0 145.5 RHYOLITE LAPILLI TUFF	
145.5 184.5		BPM	><< 145.5 184.5 BEDDED PYRRHOTITE-MAGNETITE	145.5 184.5 45% Po, Py
167.0 179.0		gQDd	~~ 167.0 179.0 Quartz Diorite Dike	
184.5 234.5		ChC#	><< 184.5 234.5 DIOPSIDE-CHERT	
212.7 226.5		gRd	~~ 212.7 226.5 Granophyric Rhyolite Dike Swarm	
234.5 241.0		BPM	><< 234.5 241.0 BEDDED PYRRHOTITE-MAGNETITE	234.5 241.0 50% Po, Py
241.0 367.3		CS	><< 241.0 367.3 CALCAREOUS SEDIMENT	
241.0 253.0		CSsp	~~ 241.0 253.0 Calcareous Sediment With Sulfides and Pyrrhotite	241.0 253.0 3% Sp, 2% Ga
253.0 264.4		MS,t	~~ 253.0 264.4 Massive Sulfide, Talcose	253.0 264.4 30% Sp, 5% Ga
264.4 270.0		ChC#	~~ 264.4 270.0 Diopside-Chert	
270.0 275.0		Xca	~~ 270.0 275.0 Tuffite, Calcareous	270.0 275.0 10% Sp, 2% Ga
289.0 299.3		Xca	~~ 289.0 299.3 Tuffite, Calcareous	289.0 299.3 10% Sp, 4% Ga
310.0 318.5		Dd	~~ 310.0 318.5 Dacite Dike	
334.2 342.5		IR ?	~~ 334.2 342.5 Intrusive Rhyolite	
342.5 357.0		Xca	~~ 342.5 357.0 Tuffite, Calcareous	342.5 367.3 3% Sp
357.0 367.3		CSs	~~ 357.0 367.3 Calcareous Sediment	

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
0'	183.3	-60.1
100'	183.2	-58.4
200'	181.8	-58.6
300'	181.6	-58.9
400'	183.0	-58.9
548'	183.8	-58.6

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: T. Harding
DATE COLLARED: 5-17-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-118 (WDNR #246)

DATE: 7-18-91
PAGE 1 OF 9

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-19-91

BEARING: S183.3E INCLINATION: -60.1 T.D: 548'
COORDINATES: L9900 E, 11165 N
ELEV: 1562.9' SEC: 15 TWP: 37N RANGE: 4E

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
367.3 381.5		X,t	** 367.3 381.5 TUFFITE, Talcose	367.3 381.5 10% Sp
375.8 377.5		Dd	^^ 375.8 377.5 Dacite Dike	
381.5 387.3		MSp	** 381.5 387.3 MASSIVE SULFIDE, Pyritic	381.5 387.3 40% Sp, 30% Po, Py, 2% Cp
387.3 402.0		Dd	** 387.3 402.0 DACITE DIKE	
402.0 407.2		MS	** 402.0 407.2 MASSIVE SULFIDE	402.0 407.2 80% Sp, 5% Ga
407.2 412.5		Rt*	** 407.2 412.5 RHYOLITE TUFF, Altered	
412.5 426.2		BP	** 412.5 426.2 BEDDED PYRRHOTITE	412.5 426.2 25% Po, Py, 3% Cp
426.2 457.2		DZ	** 426.2 457.2 DIKE SWARM	
457.2 459.3		X,p	** 457.2 459.3 TUFFITE, With Pyrrhotite	457.2 459.3 20% Sp, 30% Po
459.3 468.0		X,t	** 459.3 468.0 TUFFITE, Talcose	459.3 468.0 15% Sp

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
0'	183.3	-60.1
100'	183.2	-58.4
200'	181.8	-58.6
300'	181.6	-58.9
400'	183.0	-58.9
548'	183.8	-58.6

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: T. Harding
DATE COLLARED: 5-17-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-118 (WDNR #246)

DATE: 7-18-91
PAGE 1 OF 9

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-19-91

BEARING: S183.3E INCLINATION: -60.1 T.D: 548'
COORDINATES: L9900 E, 11165 N
ELEV: 1562.9' SEC: 15 TWP: 37N RANGE: 4E

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
468.0 481.0		MSp	>< 468.0 481.0 MASSIVE SULFIDE, With Pyrite	468.0 481.0 55% Sp, 10% Py
481.0 548.0		QD	>< 481.0 548.0 QUARTZ DIORITE	
481.0 486.0		gQD	^^ 481.0 486.0 Quartz Diorite, Granophyric	

E.O.H. 548' (total depth)

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-118

SULFIDES: (T)

% A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
0.0 55.0											** 0.0 55.0 OVERBURDEN								
											^^ 0.0 30.0 Sand								
											^^ 30.0 35.0 Silty sand								
											^^ 35.0 55.0 Sand, gravel, and boulders								
										R1	** 55.0 145.5 RHYOLITE LAPILLI TUFF, greyish matrix, with pinkish porphyry rhyolite clasts and red (oxidized) cherty clasts.								
										Md	^^ 75.5 77.0 Plag-phyric Mafic Dike, contacts broken-probably @ 30 degrees to axis								
										Rt	^^ 85.5 110.0 Rhyolite Tuff, medium to dark grey, fine-grained, many fractures ~ 1% iron sulfides along fractures @ 87.0-105.0	a				1			1
												a				1			1
												a				1			1
												a				1			1
												a				1			1
												a				1			1
												a				1			1
												a				1			1
												a				1			1

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-118

SULFIDES: (T)

% A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%		Sp	Cp	Ga	Py	Po	As	T
													a					1			1
													a					1			1
										-15F											
										-10F	FZ	^^ 125.0 145.5 Fault Zone, @ high angle (20 degrees) to axis, chloritic-carbonate gouge. Core fractured and brecciated, ~ 1% iron sulfides	a				1			1
													a					1			1
													a					1			1
										-10F			a					1			1
													a					1			1
										-20F			a					1			1
													a					1			1
													a					1			1
										-10F			a					1			1
													a					1			1
145.0											BPM	xx 145.5 184.5 BEDDED PYRRHOTITE-MAGNETITE		e			10	35		45
	100	100	R3	c	5	3								e			10	35		45
				c	30									e			10	35		45
				c	50									e			10	35		45
				c										e			10	35		45
155.0				c										e			10	35		45
	100	100	R3	c	30	2								e			10	35		45
				c	50									e			10	35		45
				c										e			10	35		45
				c										e			10	35		45
165.0				b										e			10	35		45
	100	100	R3	b	15	3				-40C	gRd	^^ 167.0 179.0 Quartz Diorite or Granophyric Rhyolite, lt. beige, fractured, subtle blue quartz eyes		e			10	35		45
				b	30																
				b	50																
				b																	
175.0				a																	
	100	90	R3	b	20	2				-40C											
				b	40									e			10	35		45
				b										e			10	35		45

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-118

SULFIDES: % (T)
A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
				c						-50C	CHC#	** 184.5 234.5 DIOPSIDE-CHERT, grey-black chert, with diopside-epidote matrix, disseminated sulfides	e							45
185.0				c																
	100	100	R3	c	20	2														
				c	40															
				c																
				c																
195.0				c									a				2	1		3
	100	100	R3	c	10	2							a				2	1		3
				b	40								a				2	1		3
				b									a				2	1		3
				b									a				2	1		3
205.0				b								Note: @ 203.0-208.0 Possible garnet	a				2	1		3
	100	100	R4	b	10	2							a				2	1		3
207.5					40								a				2	1		3
	100	90	R3	b	10	2							a				2	1		3
				b	60					-20C	gRd	^^ 212.7 226.5 Granophyric Rhyolite Dike Swarm, grey, with white clasts ?, with epidote-diopside-serpentine and red mineral along fractures	a				2	1		3
				b									a				2	1		3
215.0				b																
	100	100	R4	c	5	3														
				b	20															
				a	40															
				b																
225.0				b						-20C		Note: Native Silver @ 226.5-234.5	b	2			2	5		9
	100	100	R3	a	5	2							b	2			2	5		9
				a	35								b	2			2	5		9
				a									b	2			2	5		9
				a						-50C	BPM	** 234.5 241.0 BEDDED PYRRHOTITE AND MAGNETITE	b	2			2	5		9
235.0				a									e				10	40		50
	100	100	R3	c	5	2							e				10	40		50
				c	40								e				10	40		50
				c							CS	** 241.0 367.3 CALCAREOUS SEDIMENT	e				10	40		50
				c									e				10	40		50
				c							CSsp	^^ 241.0 253.0 Calcareous Sediment, with pyrrhotite and sulfides	e				10	40		50
245.0										-50B			d	3		2	7	30		42
	100	95	R3	c	5	2							d	3		2	7	30		42
				c	30								d	3		2	7	30		42
				c									d	3		2	7	30		42
				c							MS,t	^^ 253.0 264.4 Massive Sulfide, talcose, with diopside	d	3		2	7	30		42
255.0				b						-50B			d	30		5				35

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-118

SULFIDES: % (T)

A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
	100	100	R3	c	10	2							d	30		5				35
				c	30								d	30		5				35
				b									d	30		5				35
				c						-55C	ChC*	^^ 264.4 270.0 Diopside Chert	d	30		5				35
265.0				c																
	100	100	R3	c	5	2						Note: @ 267.0-270.0 Native silver	a			1		1		2
				c	30								a			1		1		2
				c						-40C	CSs	^^ 270.0 275.0 Calcareous Sediment, with	a			1		1		2
				c								sulfides	c	10		2				12
				c									c	10		2				12
275.0													c	10		2				12
	100	100	R2	c	30	1						Note: @ 276.0 Patchy black, yellow and	c	10		2				12
				c						-40B		green serpentine	a	2				2		4
				c									a	2				2		4
				c									b	2				4		6
285.0				c									b	2				4		6
	100	100	R3	c	45	1							b	2				4		6
				c						-40B	Xca	^^ 289.0 299.3 Tuffite, calcareous, bedded	b	2				4		6
				c									c	15						15
				c						-40B		Note: @ 294.0 Serpentine and possible	c	15						15
295.0				c								talc	c	8		4				12
	100	100	R3	c	55	1							c	8		4				12
				c						-45B			c	8		4				12
				b																
				c						-50B										
305.0				c																
	100	100	R3	c	55	1														
307.5																				
	100	100	R4	c	20	2				-40C	Dd	^^ 310.0 318.5 Dacite Dike, fine-grained,								
				a	45							dark grey, black, embayed contacts.								
				a								Chilled margins.								
315.0				a																
	100	100	R3	a	20	2				-35C										
				b	40															
				c																
				c																
325.0				c																
	100	100	R3	c	20	2														
				c	40															
				c																

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-118

SULFIDES: % (T)
A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	I
				c						-60C	IR	^^ 334.2 342.5 Rhyolite, dark grey/								
335.0				b								black								
	100	95	R3	a	5	3														
				a	40															
				a	60					-40C	Xca	^^ 342.5 357.0 Tuffite, calcareous with	c	10	10					20
				a								sulfides, patchy yellow serpentine or	a	10						10
345.0				c								hydromagnesite. Possible tourmaline,	a	10						10
	100	100	R2	c	40	2						fairly well bedded.	a	10						10
				c	60					-50B			a	10						10
				c									a	10						10
				c									a	10						10
355.0				b									a	10						10
	100	100	R3	c	60	1					CSs	^^ 357.0 367.3 Calcareous Sediment, same	a	3						3
				c						-50B		minerology as tuffite @ 342.5-357.0	a	3						3
				c									a	3						3
				c									a	3						3
365.0				c									a	3						3
	100	100	R3	c	20	2					X,t	** 367.3 381.5 TUFFITE, talcose,	a	3						3
				c	50							stringery	d	10						10
				c									d	10						10
				c									d	10						10
375.0				c						-40C	Dd	^^ 375.5 377.5 Dacite Dike	d	10						10
	100	95	R3	a	25	2														
				b	60					-40C		Note: @ 378.5-381.5 Massive sphalerite	f	75						75
				a									f	75						75
382.0				b							MSp	** 381.5 387.3 MASSIVE SULFIDE, pyritic	f	75						75
	100	100	R3	c	20	2							f	40	2		10	20		72
385.0				c	60								f	40	2		10	20		72
	100	100	R3	b	30	2							f	40	2		10	20		72
387.0					60						Dd	** 387.3 402.0 DACITE DIKE, brecciated	f	40	2		10	20		72
	100	100	R3	a	40	2				-50F		(pink) top-sulfides in fractures. Pink								
				a	60							clasts, fractured flat upper contact.								
				a								Quartz carbonate fracture fillings.								
				a						-50F										
												Note: @ 394.0-398.0 Epidote-Garnet								
395.0																				
	100	100	R3	b	10	2														
396.0					30															
	100	100	R3	b	30	2														
				b	60															

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-118

SULFIDES: (T) % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%		Sp	Cp	Ga	Py	Po	As	T
				b						-25C	MS	** 402.0 407.2 MASSIVE SULFIDE		f	80		5				85
				b										f	80		5				85
405.0				c										f	80		5				85
	100	100	R3	c	20	2								f	80		5				85
406.0					60									f	80		5				85
	100	100	R3	c	10	2								f	80		5				85
407.5					60					-70C	Rt*	** 407.2 412.5 RHYOLITE TUFF, altered		f	80		5				85
	100	100	R3	b	10	2							a			1		1	1		3
				b	60					-65C	BP	** 412.5 426.2 BEDDED PYRRHOTITE	a			1		1	1		3
				c										d		3		5	20		28
415.0				c										d		3		5	20		28
	99	95	R3	c	20	2								d		3		5	20		28
				c	60									d		3		5	20		28
				c										d		3		5	20		28
423.0				c										d		3		5	20		28
	100	100	R3	c	40	2								d		3		5	20		28
425.0					60					-40C	DS	** 426.2 457.2 DIKE SWARM		d		3		5	20		28
	100	100	R3	c	35	2								d		3		5	20		28
				b	60						Rc	^^ 426.2 431.0 Rhyolite Crystal Tuff, (hornfelsed)		d		3		5	20		28
				a																	
431.0										-20C	gQDd	^^ 431.0 438.5 Quartz Diorite Dike, granophyric									
										-45C	pD	^^ 438.5 456.7 Plag-phyric Dacite									
455.0										-40C	Rc	^^ 456.7 457.2 Rhyolite Crystal Tuff, (hornfelsed)									
	100	90	R3	b	40	2															
				c	60																
				c						-40C	Xp	** 457.2 459.3 TUFFITE, with pyrrhotite		f	20			30			50
														f	20			30			50
														f	20			30			50
											X,t	** 459.3 468.0 TUFFITE, talcose		f	20			30			50

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-118

SULFIDES: (T) % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%		Sp	Cp	Ga	Py	Po	As	T
461.0														c	15						15
	99	90	R3	c	20	2				-45B				c	15						15
464.0				c	50					-50B				c	15						15
	100	90	R3	c	30	2								c	15						15
				c	60						MSp	** 468.0 481.0 MASSIVE SULFIDE, with pyrite, sheared, with 1"-2" clasts		c	15						15
				c																	
471.0				c										f	55			10			65
	100	100	R3	c	30	2								f	55			10			65
474.0				c	60					-25S				f	55			10			65
	100	90	R3	c	30	2				-25C	Md	^^ 476.0 479.0 Mafic Dike		f	55			10			65
				c	60					-25C				f	55			10			65
479.5				b																	
	100	100	R3	b	5	3				-60C	QD	** 481.0 548.0 QUARTZ DIORITE		f	75			10			85
				b	30									f	75			10			85
					50						gQD	^^ 481.0 486.0 Quartz Diorite, granophyric		f	75			10			85
484.0														f	75			10			85
										-20S	sQD	^^ 494.0 506.0 Quartz Diorite, sheared									
											sQD	^^ 530.0 548.0 Sheared									

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-118

SULFIDES: % (T)
A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol -20S	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
											E.O.H. 548' (total depth)								

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
0'	180.4	-57.4
100'	181.1	-57.4
200'	181.2	-57.9
300'	180.0	-58.1

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: J. Schaff/T. Harding
DATE COLLARED: 5-18-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-119 (WDNR #254)

DATE: 9-26-91
PAGE 1 OF 4

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-20-91

BEARING: S180.4E INCLINATION: -57.4 T.D: 300'
COORDINATES: L9900 E, 10715 N
ELEV: 1576.2' SEC: 15 TWP: 37N RANGE: 4E

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
0.0 72.0			** 0.0 72.0 OVERBURDEN	
72.0 75.5	(not recovered)			
72.0 123.0		R	** 72.0 123.0 RHYOLITE	
123.0 132.0		SL*	** 123.0 132.0 SILTSTONE, Altered	
132.0 140.0		TSp	** 132.0 140.0 TALC SEDIMENT, With Pyrrhotite	132.0 140.0 5% Po
140.0 151.0		Chp	** 140.0 151.0 CHERT, With Pyrrhotite	140.0 151.0 5% Po, 1% Cp
151.0 158.0		SS	** 151.0 158.0 SANDSTONE	
158.0 300.0		QD	** 158.0 300.0 QUARTZ DIORITE	
158.0 160.0		gQD	^^ 158.0 160.0 Granophyric Quartz Diorite	
			E.O.H. 300' (total depth)	

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

LYN91-119

SULFIDES: % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60 (T)

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
0.0 72.0											** 0.0 72.0 OVERBURDEN								
											^^ 0.0 20.0 Sand, some boulders								
											^^ 20.0 50.0 Sand, gravel, and cobbles								
											^^ 50.0 72.0 Sand, gravel, cobbles, and boulders								
										R	** 72.0 123.0 RHYOLITE, black, very fine-grained, subtle feldspars, massive, possibly a fine-grained volcaniclastic								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

LYN91-119

SULFIDES: % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60
(T)

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
											SL*	** 123.0 132.0 SILTSTONE, altered,	a							
125.0												disseminated sphalerite and pyrrhotite.	a	1			1	2		4
	100	95	R3	b	5	3						Cherrt-Di patches or clasts. Protolith	a	1			1	2		4
				c	30					-60B		probably VCS-Siltstone.	a	1			1	2		4
				b	50								a	1			1	2		4
				b						-65	TSp	** 132.0 140.0 TALC SEDIMENT, bedded,	a	4			1	5		10
				a								with disseminated pyrrhotite & pyrite	a	4			1	5		10
135.0													a	1			1	5		7
	100	95	R3	b	10	3				-35B		Note: @ 138.0-151.0 Minor brecciated	a	1			1	5		7
				b	40					-70F		zones	a	1			1	5		7
				a	60								a		1			8		9
				c							Chp	** 140.0 151.0 CHERT, with pyrrhotite,	a		1			5		6
				c								VCS clasts and chert lenses with Po-Py-Cp	a		1			5		6
										-60B		in matrix	a		1			5		6
145.0										-60B			a		1			5		6
	100	100	R3	c	20	2							a		1			5		6
				c	50								a		1			5		6
				b							SS	** 151.0 158.0 SANDSTONE, black, plag	a		1			5		6
				a								crystals, cherty clasts, subtle								
				b								laminations, no quartz								
										-40C	QDd	^^ 151.0 152.0 Quartz Diorite Dike								
155.0																				
										-70C	QD	** 158.0 300.0 QUARTZ DIORITE								
											gQD	^^ 158.0 160.0 Quartz Diorite, granophyric								
										-80										

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

LYN91-119

SULFIDES: % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60
(T)

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
									-25F										
									-20F										
									-20F										

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

LYN91-119

SULFIDES: % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60
(T)

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
											E.O.H. 300' (total depth)								

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
0'	181.2	-61.4
100'	181.8	-59.8
200'	182.9	-60.1
300'	183.1	-60.2
400'	184.7	-59.9
500'	185.2	-59.8
600'	186.4	-59.4
730'	187.6	-58.7

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: T. Harding
DATE COLLARED: 5-19-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-120 (WDNR #201)

DATE: 7-18-91
PAGE 1 OF 11

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-22-91

BEARING: S181.2E INCLINATION: -61.4 T.D: 730'
COORDINATES: L9900 E, 11495 N
ELEV: 1564.4' SEC: 15 TWP: 37N RANGE: 4E

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
0.0 63.0			** 0.0 63.0 OVERBURDEN	
63.0 72.0	(not recovered)			
63.0 78.5		D	** 63.0 78.5 DACITE	
78.5 93.4		R1	** 78.5 93.4 RHYOLITE LAPILLI TUFF	
93.4 262.0		D	** 93.4 262.0 DACITE	
195.9 210.0		pRd	^^ 195.9 210.0 Rhyolite Porphyry Dike Swarm	
262.0 280.0		SS	** 262.0 280.0 SANDSTONE	
280.0 346.2		SL	** 280.0 346.2 SILTSTONE	
295.0 306.5		TS	^^ 295.0 306.5 Talc Sediment	
306.5 314.0		TS*p	^^ 306.5 314.0 Talc Sediment, Altered, With Pyrrhotite	
335.0 346.2		SLmp	^^ 335.0 346.2 Siltstone, With Epidote, Magnetite & Pyrrhotite	
346.2 585.0		R	** 346.2 585.0 RHYOLITE	
585.0 610.0		TSs,p	** 585.0 610.0 TALCOSE SEDIMENT	585.0 610.0 8% Sp, 1% Cp

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
0'	181.2	-61.4
100'	181.8	-59.8
200'	182.9	-60.1
300'	183.1	-60.2
400'	184.7	-59.9
500'	185.2	-59.8
600'	186.4	-59.4
730'	187.6	-58.7

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: T. Harding
DATE COLLARED: 5-19-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-120 (WDNR #201)

DATE: 7-18-91
PAGE 1 OF 11

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-22-91

BEARING: S181.2E INCLINATION: -61.4 T.D: 730'
COORDINATES: L9900 E, 11495 N
ELEV: 1564.4' SEC: 15 TWP: 37N RANGE: 4E

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
610.0 616.5		BP	** 610.0 616.5 BEDDED PYRRHOTITE	610.0 616.5 70% Po
616.5 622.5		Xz,t	** 616.5 622.5 TUFFITE, Talcose, Stringery	616.5 622.0 15% Sp
622.5 637.5		CS	** 622.5 637.5 CALCAREOUS SEDIMENT	
637.5 659.5		TSz	** 637.5 659.5 TALCOSE SEDIMENT	637.5 659.5 8% Sp, 1% Ga, 2% Po
659.5 664.5		CS	** 659.5 664.5 CALCAREOUS SEDIMENT	
664.5 670.0		SS	** 664.5 670.0 SANDSTONE	
670.0 730.0		QD	** 670.0 730.0 QUARTZ DIORITE	
674.0 689.5		pRd	^^ 674.0 689.5 Plag-phyric Rhyolite Dike	

E.O.H. 730' (total depth)

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-120

SULFIDES: (T)

A:1-5,B:5-10
% C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
0.0 63.0											** 0.0 63.0 OVERBURDEN								
											^^ 0.0 40.0 Fine sand								
											^^ 40.0 50.0 Silty sand								
											^^ 50.0 63.0 Sand, gravel, and boulders								
											Note: @ 55.0 63.0 Lost circulation								
										D	** 63.0 78.5 DACITE, dark grey black, subtle plag crystals, patchy epidote. Core extremely broken @ 72.0-77.0, no sulfides on fractures.								
										R1	** 78.5 93.4 RHYOLITE LAPILLI TUFF, lt. grey matrix, with lt. beige rhyolite clasts (up to 0.5") and dark subrounded clasts, (0.5-1.0"), coarsens with depth								
											Note: @ 86.5-91.0 Core broken								
									-40C	D	** 93.4 262.0 DACITE, dark grey black, fine-grained. Plag-phyric in places, with plag crystals < 1 mm.								
									-40F	FZ	^^ 114.0 116.5 Fault Zone, Fe-staining,								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-120

SULFIDES: % (T)
A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol -40F	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
											carbonate-chlorite gouge								
											Note: @ 162.0-196.0 ~ 1% iron sulfides on fractures and in quartz carbonate veinlets along fractures @ 15-30 degrees to axis	a				1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1
												a					1		1

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-120

SULFIDES: (T)

A:1-5,B:5-10
% C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	I
									-20C	pRd	^^ 195.9 210.0 Rhyolite Porphyry Dike Swarm	a				1			1
									-20F										
									-20C										
									-10F										
									-30F		Note: @ 235.0-245.0 Shatter fractures-	a				1			1
									-25F		anastamosing quartz-carbonate filling,	a				1			1
									-20F		with ~ 1% iron sulfides	a				1			1
									-30F			a				1			1
												a				1			1
									-15F			a				1			1
										SS	>>< 262.0 280.0 SANDSTONE, green grey, not plag-phyric, grainy but not laminated. No sulfides on fractures.								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-120

SULFIDES: % (T)

A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
									-68B	SL	** 280.0 346.2 SILTSTONE								
									-70B										
									-70B										
									-65B										
									-60B	TS	^^ 295.0 306.5 Talc Sediment								
										TSp	^^ 306.5 314.0 Altered Talc Sediment, with pyrrhotite, not laminated, forest-green, possible magnetite	a				1		1
												b					10		10
												b					10		10
												b					10		10
												a					1		1
									-10F		Note: @ 325.0-334.0 Core fractured at high angle to axis								
									-20F										
									-40C		Note: @ 330.5-332.2 Epidote-altered rhyolite dikes or clasts								
									-40C										
										SLmp	^^ 335.0 346.2 Altered Siltstone, with epidote-magnetite-pyrrhotite	b				5		5
												b				5		5
												b				5		5
												b				5		5
												b				5		5
									-45C	R	** 346.2 459.0 RHYOLITE	b				5		5
										gIR	^^ 346.2 374.0 Intrusive Rhyolite, salmon and grey, granophyric							

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-120

SULFIDES: (T)

A:1-5,B:5-10
% C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
									-70C	Rcl	^^ 374.0 375.5 Rhyolite Crystal Lapilli Tuff								
									-70C	gIR	^^ 375.5 408.4 Intrusive Rhyolite, grey, granophyric, epidote in patches and along fractures, no sulfides								
										Rcl	^^ 408.4 424.0 Rhyolite Crystal Lapilli Tuff, grey crystal-rich matrix, with lapilli sized rhyolite clasts or porphyroblasts								
									-18C	Dd	^^ 424.0 447.0 Dacite Dike or Sill,								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-120

SULFIDES: (T)

% A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
											dark grey black, fine-grained, subtle plag crystals, patchy epidote								
									-70C	Rcl	^^ 447.0 459.0 Rhyolite Crystal Lapilli Tuff								
										Rc	^^ 469.0 500.4 Rhyolite Crystal Tuff, dark matrix, quartz and plag crystals								
										Rl	^^ 500.4 511.8 Rhyolite Lapilli Tuff, feldspathic matrix, altered green @ 500.4-505.0 with subrounded and								

ROCK QUALITY: FRACTURE FREQ. A:0-3,B:3-10 C:10-30,D:30-100 E:>100 cm.

DRILL HOLE: LYN91-120

SULFIDES: (T) % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
											elongate ashy clasts								
										Rcl	^^ 511.8 516.0 Rhyolite Crystal Lapilli Tuff								
									-60C	Ra	^^ 516.0 521.3 Rhyolite Flow, almost laminated, with both plag crystals and rhyolite and ashy clasts	a				3		3
									-60B			a				3			3
												a				3			3
												a				3			3
									-60C	Rcl	^^ 521.3 526.0 Rhyolite Crystal Lapilli Tuff, white to green in places, could be intrusive	a				3		3
									-60C	SS	^^ 526.0 529.5 SANDSTONE, medium grey, medium to fine-grained								
										Rc	^^ 529.5 533.6 Rhyolite Crystal Tuff, feldspar-rich, little quartz, almost a feldspathic wacke								
									-60C	SS	^^ 533.6 585.0 Sandstone, interbedded sandstone and rhyolite crystal tuff ? Rhyolite crystal tuff is plag-rich, with little quartz.								
											Note: @ 539.0-543.0 Rhyolite Crystal Tuff with blue quartz eyes								
									-10C		Note: @ 558.0-561.0 Granophyric quartz diorite dike								
									-10C										
565.0																			

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-120

SULFIDES: % (T)
A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
	100	100	R3	b	40	2														
				b	60								a				2	2		4
				c									a				2	2		4
				c									a				2	2		4
575.0				c																
	99	95	R3	c	20	3														
				b	40															
580.0				b	60															
	100	100	R3	c	35	2														
				c	60															
				c							TSs,p	** 585.0 610.0 TALCOSE SEDIMENT, with dis-	c	8	1			20		29
				c								seminated sulfides and pyrrhotite,	c	8	1			20		29
590.0				c								(talc sediment or calcareous sediment	c	3	1			20		24
	99	95	R2	c	20	2						protolith), sulfides are more stringery	c	3	1			20		24
				c	50							than bedded. Probable serpentine along	c	1	1			20		22
				c								fractures.	c	1	1			20		22
				c									c	1	1			20		22
600.0				c									c	1	1			20		22
	100	95	R2	b	20	2							c	5	1	1		20		27
				a	40								c	5	1	1		20		27
				b									c	5	1	1		20		27
				b									c	8	1			20		29
610.0				b							BP	** 610.0 616.5 BEDDED PYRRHOTITE, massive	c	8	1			20		29
	99	80	R2	c	20	2						iron sulfides with tiny (0.25") clasts	c	8	1			20		29
				c	40								f		1		8	70		79
				c							Xz,t	** 616.5 622.5 TUFFITE, talcose,	f		1		8	70		79
				b								stringery	f		1		8	70		79
620.0				c									c	15	1					16
	100	100	R3	c	30	2							c	15	1					16
622.5					50						CS	** 622.5 637.5 CALCAREOUS SEDIMENT	c	15	1					16
	100	90	R3	c	30	2							c	15	1					16
				c	50								b	3			1	2		6
				c									b	3			1	2		6
				b									b	3			1	2		6
632.5				b									b	3			1	2		6
	100	100	R3	c	30	2							b	3			1	2		6
				c	50								b	3			1	2		6
				b									b	3			1	2		6
				b							TS,z	** 637.5 659.5 TALCOSE SEDIMENT,	b	3			1	2		6
				c								stringery sulfides	c	8		1		2		11
642.5				c									c	8		1		2		11

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-120

SULFIDES: (T)

A:1-5,B:5-10
% C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
	100	95	R3	c	30	2							c	8		1		2		11
				c	50								c	6				2		8
				c									c	6				2		8
				c									c	6				2		8
652.5				c									c	6				2		8
	99	90	R3	c	30	2							c	6				2		8
				c	60								c	6				2		8
				c									c	6				2		8
				c							CS	** 659.5 664.5 CALCAREOUS SEDIMENT	c	6				2		8
662.5				b																
	100	100	R3	b	30	2					SS	** 664.5 670.0 SANDSTONE, (hornfelsed), with breccia-sized (6") siltstone clasts								
				b	60															
				b																
				b						-20C		Note: @ 666.0-667.0 Quartz Diorite Dikelet								
				b						-20C										
											QD	** 670.0 730.0 QUARTZ DIORITE, disseminated chalcopyrite at contact	b		3			2		5
672.5													b		3			2		5
										-20C	pR/sQD	^^ 674.0 689.5 Plag-phyric Rhyolite, blue quartz elyes, dark matrix, extremely sheared, could be just sheared quartz diorite								
										-20S										
										-15S										
										-20S										
										-20S										
										-20S										
										-20S	sQD	^^ 689.5 697.0 Sheared Quartz Diorite								
										-25F										
										-20S										

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-120

SULFIDES: % (T)
A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
											E.O.H. 730' (total depth)								

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
0'	186.0	-66.1
100'	187.2	-65.8
200'	188.4	-65.9
300'	187.4	-65.6
452'	187.4	-65.1

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: J. Schaff
DATE COLLARED: 5-20-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-121 (WDNR #261)

DATE: 7-18-91
PAGE 1 OF 7

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-22-91

BEARING: S186E INCLINATION: -66.1 T.D: 452'
COORDINATES: L9700 E, 11145 N
ELEV: 1590.8' SEC: 15 TWP: 37N RANGE: 4E

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
0.0 72.0			** 0.0 72.0 OVERBURDEN	
72.0 75.5	(not recovered)			
72.0 100.0		Rb	** 72.0 100.0 RHYOLITE BRECCIA	
100.0 147.0		R	** 100.0 147.0 RHYOLITE OR DACITE	
122.5 125.5		gRd	^^ 122.5 125.5 Granophyric Rhyolite Dike	
147.0 155.0		Rl	^^ 147.0 155.0 Lapilli Tuff	
155.0 231.0		R	^^ 155.0 231.0 Rhyolite	
231.0 397.0		CS	** 231.0 397.0 CALCAREOUS SEDIMENT	
293.0 304.0		Rch	^^ 293.0 304.0 Cherty Tuff	
304.0 309.0		CS*	^^ 304.0 309.0 Calcareous Sediment	
309.0 311.5		MSca	^^ 309.0 311.5 Massive Sulfide	
311.5 314.0		FZ	^^ 311.5 314.0 Fault Zone	
314.0 377.0		CSs,t	^^ 314.0 377.0 Calcareous Sediment	
388.0 397.0		R	^^ 388.0 397.0 Rhyolite Tuff	
397.0 452.0		QD	** 397.0 452.0 QUARTZ DIORITE	
397.0 425.0		gQD	^^ 397.0 425.0 Granophyric Quartz Diorite	
			E.O.H. 452' (total depth)	

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-121

SULFIDES: (T)
A:1-5,B:5-10
% C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
0.0 72.0											** 0.0 72.0 OVERBURDEN								
										Rb	** 72.0 100.0 RHYOLITE BRECCIA, grey to black, highly fractured								
										R	** 100.0 147.0 RHYOLITE OR DACITE, black, fine-grained, minor quartz crystal content								
									-20F										
									-25										
									-0F	gRd	^^ 122.5 125.5 Granophyric Rhyolite Dike								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-121

SULFIDES: (T)

% A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
									-50B -70B	R1	^^ 147.0 155.0 Lapilli Tuff, possibly flow banded								
									-20F -35F	R	^^ 155.0 231.0 Rhyolite Tuff or Dacite, black, fine-grained, massive								
									-15F										

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-121

SULFIDES: (T) % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG		Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
										-70C		CS	** 231.0 397.0 CALCAREOUS SEDIMENT, bedded to contorted, minor sulfides								
235.00																					
	100	95	R3	c	25	2								a	1						1
				b	55									a	1						1
				c										a	1						1
				c										a	1						1
245.00				c										a	1						1
	100	100	R3	c	45	2								a	1						1
				c	60					-0B				a	1						1
				c										a	1						1
255.00				c										a	1	1			1		3
	100	100	R3	c	60	1				-40B											
				c						-30B											
				c																	
265.00				c																	
	100	100	R3	c	30	2															
				c	60																
				c																	
275.00				c																	
	100	100	R3	c	35	2				-65B	-75B										
				c	60																
				c																	
285.00				c						-65B											
	100	100	R3	c	40	2															
				c	60																
				c																	
295.00				b								Rch	^^ 293.0 304.0 Cherty Tuff, black to grey, contorted (?)								
	99	80	R3	a	5	3															
				b	30								Note: Clay fault gouge @ 295.2, brecciated, (.3" wide)								
				b	60																
				b																	
305.00				b						-45B		CS#	^^ 304.0 309.0 Calcareous Sediment or a								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-121

SULFIDES: (T)
A:1-5,B:5-10
% C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
	100	100	R3	c	30	2						carbonate altered tuff (carbonate along fractures ?)								
307.50					50															
	99	65	R1	b	30	2														
				b	50						MSca	^^ 309.0 311.5 Massive Sulfide, calcareous (?)	f	70						70
				a									f	70						70
				a									f	70						70
											FZ	^^ 311.5 314.0 Fault zone, strong shearing and serpentine development	f	70						70
										-50V	CSs,t	^^ 314.0 377.0 Calcareous Sediment or a carbonate altered tuff (same as @ 304.0-309.0), weak talc alteration	a	1	1		1			3
315.00										-35V			a	1	1		1			3
	100	100	R3	b	35	2							b	3	1		1			5
				b	60								b	3	1		1			5
				b						-30			b	3	1		1			5
				c									b	3	1		1			5
				c									a	1	1		1			3
325.00													a	1	1		1			3
	100	100	R3	c	25	2				-30			a	1	1		1			3
				c	50					-0F -10F		Note: @ 327.0-342.0 Rock strongly sheared, foliation ~ 0-10 degrees to core axis	a	1	1		1			3
				c									a	1	1		1			3
				c									a	1	1		1			3
				c									a	1	1		1			3
				c									a	1	1		1			3
335.00													a	1	1		1			3
	100	100	R3	c	10	3							a	1	1		1			3
				c	30								a	1	1		1			3
				b	50							Note: @ 342.0-365.0 Weak skarn alteration (Ep-Gt)	a	1	1		1			3
				c																
				c																
345.00																				
	100	100	R3	c	45	1														
				c																
				c									b	2	1		1	2		6
				c									b	2	1		1	2		6
				c									b	2	1		1	2		6
355.00													b	2	1		1	2		6
	100	100	R3	c	10	2							b	2	1		1	2		6
				c	50								b	2	1		1	2		6
				c									b	2	1		1	2		6
				c									b	2	1		1	2		6
				c									b	2	1		1	2		6
365.00										-20			b	2	1		1	2		6
	100	100	R3	c	50	1							b	2	1		1	2		6
				c									b	2	1		1	2		6
				c									b	2	1		1	2		6
				c									b	2	1		1	2		6

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-121

SULFIDES: (T) % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG		Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
375.00				c										b	2	1		1	2		6
	100	95	R2	c	10	2								b	2	1		1	2		6
				a	45									b	2	1		1	2		6
				b						-65V				b	2	1		1	2		6
				b										b	2	1		1	2		6
385.00				b										b	2	1		1	2		6
	100	90	R3	c	10	2						R	^^ 388.0 397.0 Rhyolite Tuff or hornfelsed zone	b	2	1		1	2		6
				c	60					-20											
				c																	
				c																	
395.00				c																	
												QD	** 397.0 452.0 QUARTZ DIORITE								
												gQD	^^ 397.0 425.0 Granophyric Quartz Diorite								
										-30V											
										-55V											
										-60F											
										-40											
										-35											
										-70F											

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-121

SULFIDES: (T)
% A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
											E.O.H. 452' (total depth)								

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
100'	183.7	-58.0
200'	183.7	-57.2
300'	183.9	-56.2
400'	183.8	-55.2
500'	186.9	-54.5
600'	188.0	-54.4

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: T. Harding
DATE COLLARED: 5-22-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-122 (WDNR #269)

DATE: 9-10-91
PAGE 1 OF 9

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-25-91

BEARING: S181.3E INCLINATION: -58.9 T.D: 630'
COORDINATES: L9500E 11480N
ELEV: 1588.9' SEC: 15 TWP: 37N RANGE: 4E

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
0.0 96.0			** 0.0 96.0 OVERBURDEN	
96.0 101.5	(not recovered)			
96.0 163.0		R	** 96.0 163.0 RHYOLITE	
163.0 202.0		D	** 163.0 202.0 DACITE	
202.0 223.5		R	** 202.0 223.5 RHYOLITE	
223.5 258.5		SL	** 223.5 258.5 SILTSTONE	
258.5 271.0		R	** 258.5 271.0 RHYOLITE	
271.0 389.0		SL,SS	** 271.0 389.0 SILTSTONES, SANDSTONES	
389.0 474.7		R	** 389.0 474.7 RHYOLITE	
474.7 531.0		D	** 474.7 531.0 DACITE	

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
100'	183.7	-58.0
200'	183.7	-57.2
300'	183.9	-56.2
400'	183.8	-55.2
500'	186.9	-54.5
600'	188.0	-54.4

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: T. Harding
DATE COLLARED: 5-22-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-1Z2 (WDNR #269)

DATE: 9-10-91
PAGE 1 OF 9

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-25-91

BEARING: S181.3E INCLINATION: -58.9 T.D: 630'
COORDINATES: L9500E 11480N
ELEV: 1588.9' SEC: 15 TWP: 37N RANGE: 4E

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
531.0 537.5		CSs	** 531.0 537.5 CALCAREOUS SEDIMENT, with Sulfides	@ 531.0 537.5 5% Sphalerite
537.5 539.5		TS	** 537.5 539.5 TALCOSE SEDIMENT	
539.5 630.0		QD	** 539.5 630.0 QUARTZ DIORITE	
539.5 572.0		gQD	^^ 539.5 572.0 Granophyric Quartz Diorite	
572.0 630.0		sQD	^^ 572.0 630.0 Predominantly sheared	

E.O.H. 630' (total depth)

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-122

SULFIDES: (T)

% A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
0.0 96.0											** 0.0 96.0 OVERBURDEN								
										R	** 96.0 163.0 RHYOLITE								
										Rb	^^ 96.0 114.5 Rhyolite Breccia, greyish, crystal-rich matrix with red cherty clasts and porphyritic rhyolite clasts, (0.5 - 1.0 ")								
									-15F -35B -38B -35C	SL	^^ 114.5 121.0 Siltstone, laminated, ashy, with 4" feldspar-rich bed at 116.0, light grey								
									-20F	IR	^^ 121.0 141.8 Intrusive Rhyolite, porphyritic, greyish pink								
									-40C	SL	^^ 141.8 144.5 Siltstone, light grey, ashy								
										Rc	^^ 144.5 163.0 Rhyolite Crystal Tuff, plag-rich, light grey at top, becoming darker at base								
									-40C	D	** 163.0 202.0 DACITE ? plag-phyric								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-122

SULFIDES: (T)

A:1-5,B:5-10
% C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
											(tiny), forest green alteration								
										Rc	^^ 170.5 174.0 Rhyolite Crystal Tuff, light grey, ashy, tiny blue quartz eyes								
										R	** 202.0 223.5 RHYOLITE								
										Wl	^^ 202.0 205.0 Lithic Wacke								
									-20F	IR	^^ 205.0 223.5 Intrusive Rhyolite, pinkish, granophyric, upper contact uneven, embayed lower contact flat								
									-60C	SS	** 223.5 258.5 SANDSTONE, predominantly blue-grey, faintly laminated in places								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-122

SULFIDES: (T)

% A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
									-60B										
									-65C	R	** 258.5 271.0 RHYOLITE								
										Rc	^^ 258.5 265.0 Rhyolite Crystal Tuff, plag-rich crystal tuff with dark matrix								
										Wlf	^^265.0 271.0 Lithic Feldspathic Wacke, plag-rich with ~ 5% lithics.								
									-60C	SL	** 271.0 389.0 SILTSTONE, dark grey-black, predominantly faintly laminated								
									-70B	SS	^^ 276.0 281.0 Sandstone								
									-68B										
									-65B										
									-65B										
									-60B										
									-50B										
									-40B										
									-40B										

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-122

SULFIDES: (T)

A:1-5,B:5-10
% C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
										SS,D	^^ 317.0 371.0 Predominantly Sandstone, Dacite, dark grey-black, massive								
											Note: @ 345.0 370.0 Core broken along fractures to axis.								
									-20V		Note: @ 348.0 349.0 1" quartz vein @ 20 degrees to axis								
									-40B										
									-70B		Note: @ 381.5 389.0 Cherty or ashy greenish beige beds								
										R	** 389.0 474.7 RHYOLITE	a					3		3

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-122

SULFIDES: (T)

A:1-5,B:5-10
% C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
												a					3		3
										W*	^^ 389.0 404.0 Altered Wacke, forest green, disseminated pyrrhotite	a					3		3
												a					3		3
												a					3		3
												a					3		3
												a					3		3
												a					3		3
												a					3		3
												a					3		3
										Rc	^^ 404.0 474.7 Rhyolite Crystal Lapilli Tuff, dark matrix, massive	a					3		3
										D	** 474.7 531.0 DACITE, dark grey black, patchy epidote, scattered calcite veinlets in places, slightly plag-phyric. No sulfides on fractures.								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-122

SULFIDES: % (T)
A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
										-50C	D	^^ 515.5 531.0 Sheared Dacite								
										-55S		(or laminated)								
										-10F										
										-45B		Note: @ 519.0 531.0 Core broken at high angle to axis, probable fault zone								
524.00																				
	95	80	R3	a	5	3														
				a	20					-50S										
				a	50						CSs	** 531.0 537.5 CALCAREOUS SEDIMENT with sulfide bedded with spalerite	b	5			40		45
				a						-20B			b	5						5
534.00				b						-40B			b	5						5
	100	100	R3	b	20	2				-40B			b	5						5
537.50				b	65					-50B	TS	** 537.5 539.5 TALCOSE SEDIMENT	b	5						5
	100	100	R2	b	2					-40C										
				b	40						OD	** 539.5 630.0 QUARTZ DIORITE								
				c																
											gOD	^^ 539.5 572.0 Predominantly Granophyric								
543.00																				
												Note: @ 566.0 572.0 Core broken								
											sOD	^^ 572.0 630.0 Predominantly sheared								

DRILL HOLE: LYN91-122

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

SULFIDES: % (T)
A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
									-35S										
									-30S		Note: @ 586.0 Previous pink (Fe) alteration, epidote along shears, and alignment of blue quartz eyes.								
									-35S										
									-25S										
											E.O.H. 630' (total depth)								

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
0'	181.7	-62.7
100'	184.2	-62.1
200'	184.2	-62.5
300'	183.9	-62.5
400'	183.0	-62.4
480'	184.2	-62.7

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: J. Schaff
DATE COLLARED: 5-22-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-123 (WDNR #260)

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-24-91

BEARING: S181.7E INCLINATION: -62.7 T.D: 480'
COORDINATES: L9700E 1106SN
ELEV: 1585.7' SEC: 15 TWP: 37N RANGE: 4E

DATE: 7-18-91
PAGE 1 OF 7

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	TONNAGE FACTOR	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
0.0 67.0				** 0.0 67.0 OVERBURDEN	
67.0 137.0			Rcl	** 67.0 137.0 RHYOLITE CRYSTAL LAPILLI TUFF	
107.0 112.0			*R	^^ 107.0 112.0 Spherulitic Rhyolite	
137.0 200.0			D	** 137.0 200.0 DACITE	
164.0 165.0			Rc	^^ 164.0 165.0 Rhyolite Crystal Tuff	
200.0 237.0			IR	** 200.0 237.0 INTRUSIVE RHYOLITE	
2222.0 227.0			Rc	^^ 222.0 227.0 Rhyolite Crystal Tuff	
237.0 303.0			CS	** 237.0 303.0 CALCAREOUS SEDIMENT	
303.0 332.0			MSca	** 303.0 332.0 MASSIVE SULFIDE	
332.0 377.0			CSs	** 332.0 377.0 CALCAREOUS SEDIMENT	
356.0 364.0			FZ	^^ 356.0 364.0 Fault Zone	
366.0 369.5			MSca	^^ 366.0 369.5 Massive Sulfide	
371.0 377.0			BP	^^ 371.0 377.0 Massive Pyrrhotite and Pyrite	
377.0 398.0			TS	** 377.0 398.0 TALCOSE SEDIMENT	

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
0'	181.7	-62.7
100'	184.2	-62.1
200'	184.2	-62.5
300'	183.9	-62.5
400'	183.0	-62.4
480'	184.2	-62.7

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: J. Schaff
DATE COLLARED: 5-22-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-123 (WDNR #260)

DATE: 7-18-91
PAGE 1 OF 7

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-24-91

BEARING: S181.7E INCLINATION: -62.7 T.D: 480'
COORDINATES: L9700E 11065N
ELEV: 1585.7' SEC: 15 TWP: 37N RANGE: 4E

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	TONNAGE FACTOR	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
398.0 430.0			D	** 398.0 430.0 DACITE	
430.0 480.0			QD	** 430.0 480.0 QUARTZ DIORITE	
430.0 431.0			gQD	^^ 430.0 431.0 Granophyric Quartz Diorite	
				E.O.H. 480' (total depth)	

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-123

SULFIDES: (T)

% A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
).0 67.0											** 0.0 67.0 OVERBURDEN								
									-25V	Rc	** 67.0 137.0 RHYOLITE CRYSTAL LAPILLI TUFF, mainly black to green fine-grained rhyolites with occasional lapilli to agglomerate size clasts, weak epidote alteration	a				2		2
									-50B -40 -30	*R	^^ 107.0 112.0 Spherulitic Rhyolite, light green, fine-grained, laminated								
									-35C	D	** 137.0 200.0 DACITE, black, fine-grained, abundant quartz - calcite filled								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-123

SULFIDES: (T) % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	fractures	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
										-60F											
										-20F											
										-65											
										-60F			Note: @ 162.0 172.0 Finer grained siltstone or cherty zones								
										-25B											
											Rc		^^ 164.0 165.0 Rhyolite Crystal Tuff								
										-30\											
										-60F											
195.00																					
	100	90	R3	b	5	4															
				b	20																
				b	40					-40C	IR		** 200.0 237.0 INTRUSIVE RHYOLITE (?), tan to light green, moderate to strong calc-silicate (epidote) alteration.								
				b	70																
205.00				b																	
	100	90	R3	b	5	3															
				c	20																
				b	30																
				b						-40V											
215.00				c																	
	100	100	R3	c	20	2				-60F											

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-123

SULFIDES: (T)

% A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	60	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
217.50											Rc	^^ 222.0 227.0 Rhyolite Crystal Tuff, black, minor blue quartz eyes								
											CS	>< 237.0 303.0 CALCAREOUS SEDIMENT, well laminated, grey with abundant interbedded darker graphite (?), weak epidote alteration	a				2			2
										-65										
										-60										
										-50										
										-40										
275.00										-0										
	100	100	R3	c	40	1														
				c						-0										
				c									c			10	2			12
285.00				c						-20										
	100	100	R3	c	45	1				-10										
				c						-0										
				c									a	3						3
295.00				c																
	100	95	R3	c	45	1							a	5						5
				c									a	5						5
													a	5						5

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-123

SULFIDES: % (T)
A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
				c						-60			a	5						5
				c							MSca	** 303.0 332.0 MASSIVE SULFIDE,		f65						65
305.00				c						-50		calcareous, amber sphalerite		f65						65
	100	100	R3	b	10	2								f65						65
				c	45									f65						65
				c										f65						65
				c						-35F				f65						65
315.00				b										f65						65
	99	90	R3	b	40	2				-50				f65						65
317.50					65					-20				f65						65
	99	90	R3	c	40	2								f65						65
				c	60									f65						65
				c										f65						65
325.00				b								Note: @ 323.0 324.0 Strong epidote		f65						65
	100	90	R3	b	45	2								f65						65
				c	65									f65			1			66
				b										f65			1			66
				c						-10B	CSs	** 332.0 377.0 CALCAREOUS SEDIMENT, well		f65			1			66
335.00				c								bedded (or foliated) to massive, trace	a	5						5
	100	90	R3	c	20	3						pyrite and chalcopyrite, weak epidote	a	5						5
				c	45							alteration	a	5						5
				b	60								a	5						5
				b									a	5						5
345.00				b						-35B			a	5						5
	100	90	R3	c	10	2				-0B			a	5						5
				c	40					-50B			a	5						5
				c									a	5						5
				c									a	5						5
355.00				c									a	5						5
	90	50	R3	b	10	2					FZ	^^ 356.0 364.0 Fault or Shear Zone,	a	5						5
				b	40							rock very broken, minor breccia	a	5						5
				b									a	5						5
				b									a	5						5
365.00				b						-10			a	5						5
	100	95	R3	b	10	2					MSca	^^ 366.0 369.5 Massive Sulfide, calcareous	a	5						5
				c	40									f85						85
				c							BP	^^ 371.0 377.0 Massive Pyrrhotite and		f85						85
				c						-50B		Pyrite	d				10	25		35
375.00				c									d				10	25		35
	99	90	R2	c	20	2					TS	** 377.0 398.0 TALCOSE SEDIMENT, minor	d				10	25		35
													a	2						2

DRILL HOLE: LYN91-123

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

SULFIDES: % (T)
A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
				c	40							disseminated sulfides	a	2						2
				c									a	2						2
				c									a	2			1			3
385.00				c									a	2			1			3
	99	80	R2	c	10	2							a	2			1			3
				c	40								a	2			1			3
				c									a	2			1			3
				c						-40B			a	2	1		1	1		4
395.00				b									a	2	1		1	1		4
	100	100	R3	b	10	3							a	2	1		1	1		4
				b	40					-55B	D	>< 398.0 430.0 DACITE OR SANDSTONE, black, fine-grained, massive								
				b	60															
				c																
405.00				c																
										-85C	QD	>< 430.0 480.0 QUARTZ DIORITE								
											gQD	^^ 430.0 431.0 Granophyric Quartz Diorite								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-123

SULFIDES: % (T)

A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	I
											E.O.H. 480' (total depth)								

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
0'	183.4	-63.8
100'	186.1	-63.9
200'	187.5	-64.2
300'	188.7	-64.3
380'	188.7	-63.8

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: J. Schaff/T. Harding
DATE COLLARED: 5-24-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-124 (WDNR #221)

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-28-91

BEARING: S183.4E INCLINATION: -63.8 T.D: 380'
COORDINATES: L9700 E, 10950 N
ELEV: 1569.3' SEC: 15 TWP: 37N RANGE: 4E

DATE: 9-10-91
PAGE 1 OF 6

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
0.0 46.0			** 0.0 46.0 OVERBURDEN	
46.0 48.5	(not recovered)			
46.0 105.0		R	** 46.0 105.0 RHYOLITE	
46.0 62.0		R1	^^ 46.0 62.0 Rhyolite Lapilli Tuff or Feldspathic Wacke	
62.0 77.5		Dd	^^ 62.0 77.5 Dacite Dike	
85.0 97.5		Ag	^^ 85.0 97.5 Agglomerate	
97.5 105.2		Rc	^^ 97.5 105.2 Rhyolite Crystal Tuff	
105.2 162.5		VCS	** 105.2 162.5 VOLCANICLASTIC SEDIMENTS	
105.2 110.0		ChT	^^ 105.2 110.0 Cherty Tuff	
110.0 163.0		D	^^ 110.0 141.5 Dacite, Plag-phyric	
141.5 150.0		SL,xR	^^ 141.5 150.0 Interbedded Siltstone And Spherulitic Rhyolite	
150.0 162.5		SL	^^ 150.0 162.5 Siltstone	
162.5 170.0		BPM	** 162.5 170.0 BEDDED PYRRHOTITE AND MAGNETITE	
170.0 174.6		X	** 170.0 174.6 TUFA	
174.6 182.8		Xca	** 174.6 182.8 TUFFITE, Calcareous	
182.8 204.7		TS	** 182.8 204.7 TALCOSE SEDIMENT	
188.0 193.0		TSs	^^ 188.0 193.0 Talcose Sediment, With Sulfides	

Noranda Exploration Inc.
Eastern Divison

HOLE SURVEY DATA

Footage	Bearing	Inclination
0'	183.4	-63.8
100'	186.1	-63.9
200'	187.5	-64.2
300'	188.7	-64.3
380'	188.7	-63.8

PROJECT: LYNNE P.D. 1876
CONTRACTOR: Midwest Drilling Co.
LOGGED BY: J. Schaff/T. Harding
DATE COLLARED: 5-24-91
REMARKS:
CORE SIZE: NQ

HOLE NO: LYN91-124 (WDNR #221)

DATE: 9-10-91
PAGE 1 OF 6

CO./STATE: Oneida, WI
SCALE: 1"=10'
DATE COMPLETED: 5-28-91

BEARING: S183.4E INCLINATION: -63.8 T.D: 380'
COORDINATES: L9700 E, 10950 N
ELEV: 1569.3' SEC: 15 TWP: 37N RANGE: 4E

DRILL HOLE SUMMARY

FOOTAGE	ROCK QUALITY	CODE	GEOLOGIC UNITS	MINERALIZATION & ALTERATION
204.7 217.0		CS	** 204.7 217.0 CALCAREOUS SEDIMENT	
217.0 301.0		D	** 217.0 301.0 VOLCANICLASTIC SEDIMENTS	
217.0 254.3		SS	^^ 217.0 254.3 Sandstone	
258.0 269.0		SS	^^ 258.0 269.0 Sandstone	
269.0 301.0		D	^^ 269.0 301.0 Dacite	
301.0 380.0		QD	** 301.0 380.0 QUARTZ DIORITE	
301.0 305.0		gQD	^^ 301.0 305.0 Granophyric Quartz Diorite	
			E.O.H. 380' (total depth)	

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-124

SULFIDES: (T)

A:1-5,B:5-10
% C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
0.0 46.0											** 0.0 46.0 OVERBURDEN	a				1			1
												a				1			1
											^^ 0.0 20.0 Sand	a				1			1
												a				1			1
											^^ 20.0 43.0 Sand, clay, and cobbles	a				1			1
												a				1			1
											^^ 43.0 46.0 Sand and gravel	a				1			1
												a				1			1
										R	** 46.0 105.0 RHYOLITE	a				1			1
												a				1			1
										R1	^^ 46.0 62.0 Rhyolite Lapilli Tuff or Feldspathic Wacke, lt. grey green matrix, with plag crystals and 0.5-1.0" white clasts. Green is probably epidote.	a				1			1
												a				1			1
												a				1			1
												a				1			1
												a				1			1
												a				1			1
												a				1			1
										Dd	^^ 62.0 77.5 Dacite Dike, black, fine-grained	a				1			1
								-10C -20F	-60F	R1	^^ 77.5 85.0 Rhyolite Lapilli Tuff, same as above	a					1		1
										Ag	^^ 85.0 97.5 Agglomerate, siltstone matrix, with rhyolite crystal tuff interbeds and 6" chert-diopside clasts.								
										Rc	^^ 97.5 105.2 Rhyolite Crystal Tuff								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-124

SULFIDES: % (T)

A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG		Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
										-60C -45B		VCS	** 105.2 162.5 VOLCANICLASTIC SEDIMENTS								
												ChT	^^ 105.2 110.0 Cherty Tuff								
												D	^^ 110.0 141.5 DACITE, plag-phyric, medium to dark grey, massive, amount of plags decreases with depth @ 138.0-141.0. 1% iron sulfides.								
												SL,xR	^^ 141.5 150.0 Interbedded Siltstone and Spherulitic Rhyolite								
										-50B -60B -60B		SL	^^ 150.0 162.5 Siltstone, with rhyolite crystal tuff beds and cherty beds at base								
155.00	100	90	R3	c c a b	5 20 50	3				-55C		BPM	** 162.5 170.0 BEDDED PYRRHOTITE AND MAGNETITE, sulfides are bedded, with clasts, Di-Sp cap, cherty interbeds	c c c c	2		5 5 5 5	10 10 10 10			17 15 15 15
165.00	100	80	R3	c c c c b	50	1				-60B -45B		X	** 170.0 174.6 TUFA, well-bedded	a a			2 2				2 2
175.00	100	100	R3	b c c	40 70	2						Xca	** 174.6 182.8 TUFFITE, calcareous, more contorted, with se and hydro-magnesite	b b b b	2 2 2 2		1 1 1 1	4 4 4 4			7 7 7 7

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-124

SULFIDES: (T)

% A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE		Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	I
				c							TS	** 182.8 204.7 TALCOSE SEDIMENT	a	2			1	2		5
				c																
185.00				b																
	100	95	R3	b	30	2					TSs	^^ 188.0 193.0 Talcose Sediment, with sulfides	a	1				2		3
				c	70								a	1				2		3
				c									a	1				2		3
				c									a	1				2		3
195.00				c									a	1				2		3
	100	100	R3	b	20	2							a	1				2		3
				c	65								a	1				2		3
				c																
				c						-30B	CS	** 204.7 217.0 CALCAREOUS SEDIMENT	a	1						1
205.00				c									a	1						1
	1000	100	R3	c	20	2							a	1						1
207.50					50								a	1		1				2
	100	100	R3	b	20	2							a	1		1				2
				c	50								a	1		1				2
				b									a	1		1				2
215.00				c									a	1		1				2
											VCS	** 217.0 301.0 VOLCANICLASTIC SEDIMENT, black, very subtle feldspars, massive	a	1		1				2
											SS	^^ 217.0 254.3 Sandstone, medium grey, massive, occasional feldspars, faintly laminated								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-124

SULFIDES: (T) % A:1-5,B:5-10 C:10-25,D:25-40 E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG		Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
									-40B -25		FZ,gRd	^^ 254.3 258.0 Brecciated Zone with 6" massive pyrrhotite cap @ 40 degrees, rounded broken pR or gQD clasts, shear or bedding fabric @ 20-25 degrees. Note: @ 258.0-260.0 Core broken								
									-50F		SS	^^ 258.0 269.0 Sandstone, as above, calcite-filled veinlets @ 70 degrees. Patchy epidote @ base.								
									-45F		D	^^ 269.0 301.0 Dacite, faintly plag-phyric, but possible quartz eyes @ base								
												Note: @ 298.0-301.0 Silicified, with 1% Cp, like lower unit in LYN91-126.	a		1		1			2
											QD	** 301.0 380.0 QUARTZ DIORITE								
											gQD	^^ 301.0 305.0 Granophyric Quartz Diorite								

ROCK QUALITY:

FRACTURE FREQ.
A:0-3,B:3-10
C:10-30,D:30-100
E:>100 cm.

DRILL HOLE: LYN91-124

SULFIDES: (T)

% A:1-5,B:5-10
C:10-25,D:25-40
E:40-60,F:>60

Run	%	RQD	Rf	ABCDE	Jn	Jrc	Ja	SpG	Fol	CODE	Lithology	Total%	Sp	Cp	Ga	Py	Po	As	T
											E.O.H. 380' (total depth)								