010

Diamond Drilling

Township of Echo

Report Nº: 12

Work performed by: North Denison Mines

Claim Nº	Hole Nº	Footage	Date	Note
PA 10194	1	920'	June/50	
	2	949'	June/50	
PA 10159	3	836'	July/50	
	6 DH	2705'		

Notes:

ONTARIO

THE MINING ACT - DEPARTMENT OF MINES

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON EVERY PAGE ▶ HOLE NO. 1 | PAGE NO. 1

DRILLING COMPANY		ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	DIP OF HOLE AT	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO	CLAIM NO
North dension ms ltd Echo tp. Ont					collar	Clm.10194 450 east, 200 north, #3 post, Approx. N30°W		
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		"		LOCATION (Twp., Lot, Con. or Lot and Claim)	
Jun 12,1950	June 23,1950		George H. Salton		"			
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		"		PROPERTY NAME	

FOOTAGE FROM	FOOTAGE TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	PLANAR FEATURE ANGLE *	CORE SPECIMEN FOOTAGE *	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE LENGTH	ASSAYS *		
0	12		Casing									
12	59.5	Greywacke	rather massive, f.g. some slaty sections; bedding 40-45° to core; slight local shears; few quartz stringers minor pyrite; may include some fingers of quartz feldspar porphyry or felsite.									
59.5	69.7	Felsite	apparent f.g. intrusive quartz feldspar; rather massive; slight local pyrite; quartzstringers, some pyrite, at 63									
69.7	186.2	Greywacke	apparent clastic sediments mainly rather massive, little evidence of bedding; may be in part pyroclastic; some this bedded slaty sections, 50-60° to core; cross bedding in slate or slaty agglomerate at 122, 172-174; several sharp contacts, including 133, 170.5, 175; grain gradation and cross bedding indicate south facings; few local blue glossy quartz stringers, minor local pyrite.									
186.2	187	Quartz	mainly; some greywacke inclusions; tourmaline minor pyrite									
187	209	Slaty greywacke	or tuffs; f.g. thin bedded; some m.g. grey wacke									
209	218.3	Greywacke	mainly; some f.g. slaty sections.									

North Denison Mines Ltd.
Tobo Twp. Ont.

Property

DIAMOND DRILL LOG

(1) 9-2-29

Sheet No. 1 Hole No. 1

Started June 12th, 1950
Completed June 23rd.
Total Depth 220
% Recovery

Claim Pa. 10104
450 east, 200 north.
53 post. Approximate
Azimuth N 30° W
Elev. Collar

DIP			
Footage	Angle	Footage	Angle
0	44°		
200	40°		

Drilled by Inspiration
Logged by George H. Dalton
Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Au. Oz.		Rock	DESCRIPTION
0	12							Casing
12	59.5						Grey wacke	rather massive, f. g. some slaty sections; bedding 40 - 45° to core; slight local shears; few quartz stringers, minor pyrite; may include some fingers of quartz feldspar porphyry or felsite.
59.5	69.7						Felsite	apparent f. g. intrusive quartz feldspar; rather massive; slight local pyrite; quartzstringers, some pyrite, at 63
69.7	186.2						Grey wacke	apparent clastic sediments mainly rather massive, little evidence of bedding; may be in part pyroclastic; some thin bedded slaty sections, 50 - 60° to core; cross bedding in slate or slaty agglomerate at 122, 172 - 174; several sharp contacts, including 133, 170.5, 175; grain gradation and cross bedding indicate south facings; few local blue glassy quartz stringers, minor local pyrite
186.2	187	0.8		4525	.01		Quartz	mainly; some greywacke inclusions; tourmaline minor pyrite
187	209						Slaty grey wacke	or tuffs; f.g. thin bedded; some m.g. grey wacke
209	218.3						Grey wacke	mainly; some f.g. slaty sections

Property: North Denison Mines Ltd. Rohe Twp. Ont.

DIAMOND DRILL LOG (1)

Sheet No. 1 Hole No. 1

Started: June 12th. 1950
Completed: June 23rd.
Total Depth: 218
% Recovery:

Claim No. 10194 450 east, 200 north.
B3 post, Approximate
Azimuth: N 30° W
Elev. Collar

DIP Footage	Angle	Footage	Angle
0	44°		
700	10°		

Drilled by: Inspiration
Logged by: George H. Salton
Relogged by:

Footage From	To	Core Length	Lost Core	Sample No.	Au. Oz.		Rock	DESCRIPTION
0	12							Casing
12	59.5						Grey wacke	rather massive, f. g. some slaty sections; bedding 40 - 45° to core; slight local shears; few quartz stringers, minor pyrite; may include some fingers of quartz feldspar porphyry or felsite.
59.5	69.7						Felsite	apparent f. g. intrusive quartz feldspar; rather massive; slight local pyrite; quartzstringers, some pyrite, at 65
69.7	184.2						Grey wacke	apparent clastic sediments mainly rather massive, little evidence of bedding; may be in part pyroclastic; some thin bedded slaty sections, 50 - 60° to core; cross bedding in slate or slaty agglomerate at 122, 172 - 174; several sharp contacts, including 133, 170.5, 175; grain gradation and cross bedding indicate south facings; few local blue glassy quartz stringers, minor local pyrite
184.2	197	0.8		4525	.01		Quartz	mainly; some greywacke inclusions; tourmaline minor pyrite
197	209						Slaty grey wacke	or tuffs; f.g. thin bedded; some m.g. grey wacke
209	218.?						Grey wacke	mainly; some f.g. slaty sections

Property

DIAMOND DRILL LOG

Sheet No. 2 Hole No. 1

Started	Latitude	DIP: Footage / Angle / Footage / Angle	Drilled by
Completed	Departure		Logged by
Total Depth	Azimuth		Relogged by
% Recovery	Elev. Collar		

Footage From	Footage To	Core Length	Lost Core	Sample No.	Au. Oz.	[illegible]	Rock	DESCRIPTION	[illegible]	[illegible]	[illegible]
218.3	222.4						Slaty grey wacke	F.G. locally sheared and drag folded; may part agglomerate; minor pyrite.			
222.4	236.8	4.4		4527	Tr		Iron Formation sulphides	heavy pyrrhotite and pyrite, some qtz			
236.8	267						Slaty greywacke	or pyroclastics; f.g. this bedded mainly; some m.g. graywacke; locally sheared and micaceous			
267	307.2 (see end of samples)		log for				Iron Formation	mainly qtz, locally handed; heavy pyrrhotite pyrite to 271 and 302 - 302.5			
307.2	312						Slaty greywacke	and iron formation locally sheared; local pyrrhotite, pyrite, magnetite; some quartz veining.			
312	314.3						Acid tuffs	highly siliceous or silicified rock; possible volcanic fragmental originally, minor pyrite lost core; - 312.4-313.7			
314.3	315.7	1.4		4526	.02		Acid tuffs	highly silicified fair pyrite			
315.7	384						Acid tuffs	and agglomerates? Mainly highly silicified but some sections less so from about 364 lost cores;- 324-325; 334-335; 342-343			
384	480						Acid tuffs and feldspar porphyry	possible silicified volcanic fragments cut by narrow dikes feldspar porphyry and porphyritized; few stringers of pyrite.			

Property: North Denison Lake Two.

DIAMOND DRILL LOG

Sheet No. 2 Hole No. 1

Started		Latitude	
Completed		Departure	
Total Depth		Azimuth	
% Recovery		Elev. Collar	

DIP

Footage	Angle	Footage	Angle

Drilled by

Logged by

Relogged by

Footage From	Footage To	Core Length	XXX Check	Sample No.	Core/Value Au. Oz.	Core/Value Check	Rock	DESCRIPTION	Remarks
21[illegible]	222.4						Slaty grey wacke	F. G. locally sheared and drag folded; may be in part agglomerate; minor pyrite	
222.4	236.8	1.4		A527	Tr.		Iron Formation sulphides	heavy pyrrhotite and pyrite, some quartz	
236.8	247						Slaty grey wacke	or pyroclastics; f. g. thin bedded mainly; some m. g. grey wacke; locally sheared and micaceous	
247	307.2 (see end of log for samples)						Iron Formation Quartz	mainly quartz, locally banded; heavy pyrrhotite pyrite to 271 and 302 - 302.5,	
307.2	312						Slaty grey wacke	and iron formation locally sheared; local pyrrhotite, pyrite, magnetite; some quartz veining	
312	314.[illegible]						Acid tuffs	highly siliceous or silicified rock; possible volcanic fragmental originally, minor pyrite	
								lost core:- 312.4 - 313.7	
314.[illegible]	315.7	1.4		A526	.02		Acid tuffs	highly silicified fair pyrite	
315.7	384						Acid tuffs	and [illegible] mainly highly silicified but some [illegible] go from about 344 lost cores:-	
								32[illegible] - 328; 334 - 335; 342 - 343	
384	48[illegible]						Acid tuffs and feldspar porphyry	possible silicified volcanic fragments cut by narrow dikes feldspar porphyry and porphyritized;	
								few stringres of pyrite	

Property: North Dentoon Tobo Twp.

DIAMOND DRILL LOG

Sheet No. 2 Hole No. 1

Started		Latitude	
Completed		Departure	
Total Depth		Azimuth	
% Recovery		Elev. Collar	

DIP			
Footage	Angle	Footage	Angle

Drilled by

Logged by

Relogged by

Footage		Core Length	[illegible]	Sample No.	Assay Au. Oz.	[illegible]	Rock	DESCRIPTION	[illegible]	[illegible]
From	To									
219.[illegible]	222.4						Slaty grey wacke	F. G. locally sheared and drag folded; may be in part agglomerate; minor pyrite		
222.4	226.8	4.4		A527	Tr.		Iron formation sulphides	heavy pyrrhotite and pyrite, some quartz		
226.8	267						Slaty grey wacke	or pyroclastics; f. g. thin bedded mainly; some m. g. grey wacke; locally sheared and micaceous		
267	307.2 (see end of log for samples)						Iron formation Quartz	mainly quartz, locally banded; heavy pyrrhotite pyrite to 271 and 302 - 302.5,		
307.2	312						Slaty grey wacke	and iron formation locally sheared; local pyrrhotite, pyrite, magnetite; some quartz veining		
312	314.9						Acid tuffs	highly siliceous or silicified rock; possible volcanic fragmental originally, minor pyrite		
								lost core:- 312.4 - 313.7		
314.9	335.7	1.4		4526	.02		Acid tuffs	highly [illegible] fair pyrite		
335.7	384						Acid tuffs	[illegible] mainly highly silicified but some [illegible] to from about 344 lost cores:-		
								3[illegible] - [illegible]; 334 - 335; 342 - 343		
[illegible]	48[illegible]						Acid tuffs and feldspar porphyry	possible silicified volcanic fragments cut by narrow dikes feldspar porphyry and porphyritized; few stringers of pyrite		

Property North Denison Echo Twp., Ont.

DIAMOND DRILL LOG

Sheet No. 3 Hole No. 1

				DIP				
Started		Latitude		Footage	Angle	Footage	Angle	Drilled by
Completed		Departure						Logged by
Total Depth		Azimuth						Relogged by
% Recovery		Elev. Collar						

Footage From	Footage To	Core Length	Lost Core	Sample No.	Au. Oz.	Rock	DESCRIPTION
480	482					Quartz	mainly barren white quartz, some inclusions
482	509					Acid tuffs	and acid agglomerates; silicified
						and feldspar porphyry	
509	570.7					Feldspar porphyry	mainly porphyritic rock, probable intrusive, abundant
							feldspar phonocrysts(or fragments) and local quartz
							phenocrysts; sharp lower contact about 75° to core;
							includes some silicified acid tuffs
570.7	741.3					Acid tuffs	and agglomerates locally highly siliceous and silicified;
							some feldspar porphyry dikes; some micaceous sections
							lost core; - 704 - 705; 709-715
741.3	765					Alaskite	light coloured quartz feldspar rock, probable intrusive;
							medium texture lost core; - 752.5 - 755
765	864.4						and agglomerates; acidic to basic; locally siliceous,
						Tuffs	micaceous, chloritic; massive; few local barren
							quartz veinlets; very local slight pyrite; bedding
							about 65° to core. lost cores -796-797; 800-802.6
864.4	865.5	1.1		4528	Tr.	Tuffs	fair pyrite; narrow siliceous dike and quartz stringer
865.5	920					Tuffs	acid pyroclastic breccias; and agglomerates; massive
							acid dike 802.6 - 893.7; local minor pyrite
267.3	271.5	4.2		4532	Nil		
271.5	277	5.5		4533	Tr.		
277	282	5.0		4534	.02		
282	287	5.0		4537	Nil		
287	292	5.0		4538	Nil		
292	296	4.0		4539	Nil		
296	301	5.0		4540	Nil		
301	306	5.0		4535	.04		
306	310	4.0		4536	Tr.		

Property North Davison Lake Twp., Ont.

DIAMOND DRILL LOG

Sheet No. 3 Hole No. 1

Started | Latitude
Completed | Departure
Total Depth | Azimuth
% Recovery | Elev. Collar

DIP Footage	DIP Angle

Drilled by
Logged by
Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Au. Oz.	Assays	Rock	Colour	DESCRIPTION	Hardness	Mineralization	Remarks
480	482						Quartz		mainly barren white quartz, some inclusions			
482	900						Acid tuffs		and acid agglomerates; silicified			
							and feldspar porphyry					
900	970.7						Feldspar porphyry		mainly porphyritic rock, probable intrusive, abundant			
									feldspar phenocrysts (or fragments) and local quartz			
									phenocrysts; sharp lower contact about 75° to core;			
									includes some silicified acid tuffs			
970.7	741.9						Acid tuffs		and agglomerates locally highly siliceous and silicified;			
									some feldspar porphyry dikes; some micaceous sections			
									lost cores:- 704 - 705; 709 - 715			
741.9	765						Alaskite		light coloured quartz feldspar rock, probable intrusive;			
									medium texture lost cores:- 752.5 - 755			
765	864.4								and agglomerates; acidic to basic; locally siliceous,			
							Tuffs		micaceous, chloritic; massive; few local barren			
									quartz stringers; very local slight pyrite; bedding			
									about 75° to core. lost cores:- 794 - 797; 800 - 802.4			
864.4	865.5	1.1		4528	Tr.		Tuffs		fair pyrite; narrow siliceous dike and quartz stringer			
865.5	920						Tuffs		acid pyroclastic breccias and agglomerates; massive;			
									acid dike 892.4 - 893.7; local minor pyrite			
267.3	271.5	4.2		4532	Nil							
271.5	277	5.5		4533	Tr.							
277	282	5.0		4534	.02							
282	287	5.0		4537	Nil							
287	292	5.0		4539	Nil							
292	297	5.0		4539	Nil							
296	301	5.0		4540	Nil							
301	306	5.0		4545	.04							
306	310	4.0		4546	Tr.							

Property: North Denison, Eeho Twp., Ont.

DIAMOND DRILL LOG

Sheet No. 3 Hole No. 1

Started	Latitude
Completed	Departure
Total Depth	Azimuth
% Recovery	Elev. Collar

Dip Footage	Dip Angle	Dip Footage	Dip Angle	
				Drilled by
				Logged by
				Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Au. Oz.	~~Cu. %~~	Rock	Colour	DESCRIPTION	Hardness	Mineralization	Remarks
480	482						Quartz		mainly barren white quartz, some inclusions			
482	509						Acid tuffs and feldspar porphyry		and acid agglomerates; silicified			
509	570.7						Feldspar porphyry		mainly porphyritic rock, probable intrusive, abundant feldspar phenocrysts (or fragments) and local quartz phenocrysts; sharp lower contact about 75° to core; includes some silicified acid tuffs			
570.7	741.3						Acid tuffs		and agglomerates locally highly siliceous and silicified; some feldspar porphyry dikes; some micaceous sections lost core:- 704 - 705; 709 - 715			
741.3	765						Alaskite		light coloured quartz feldspar rock, probable intrusive; medium texture lost core:- 752.5 - 755			
765	864.4						Tuffs		and agglomerates; acidic to basic; locally siliceous, micaceous, chloritic; massive; few local barren quartz veinlets; very local slight pyrite; bedding about 65° to core. lost cores:- 796 - 797; 800 - 802.6			
864.4	865.5	1.1		4528	Tr.		Tuffs		fair pyrite; narrow siliceous dike and quartz stringer			
865.5	920						Tuffs		acid pyroclastic breccias; and agglomerates; massive; acid dike 892.6 - 893.7; local minor pyrite			
267.3	271.5	4.2		4532	Nil							
271.5	277	5.5		4533	Tr.							
277	282	5.0		4534	.02							
282	287	5.0		4537	Nil							
287	292	5.0		4538	Nil							
292	297	4.0		4539	Nil							
296	301	5.0		4540	Nil							
301	306	5.0		4535	.04							
306	310	4.0		4536	Tr.							

Property North Denison Mines Echo Twp.

DIAMOND DRILL LOG

Sheet No. 1 Hole No. 2

Started	June 23rd/50	Location	Claim Pa.10194;450 160N. from SE Corner;40'S 30EfromH-1
Completed	July 5th/50		
Total Depth	949	Azimuth	S 30E
% Recovery		Elev. Collar	

DIP			
Footage	Angle	Footage	Angle
0	45°		
500	21°		
940	19°		

Drilled by Inspiration M & D.

Logged by George H. Salton

Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Au. Oz.	Rock	DESCRIPTION
0	5						Casing
5	26.5					Greywacke	mainly; rather massive, thick bedded except local; bedding about 30° to core; few local quartz veinlets, minor pyrite.
26.5	110					Slaty grey wacke	and greywacke f. to m.g.; lost cores; -36.5-38.3; 46-47.6;49.2-50; 55.5-57; 66-67; 70-71; 75.5-76.5; 77.7-78.7;.82.7-83.7; 101-102 102.6-103.6; 106-107 N.B.:-hole cemented.
110	236.5					Greywacke	f. to m.g. massive; some narrow slaty sections; hole flattening; few local barren blue quartz stringers and fillings, more in section 136.5 -210 lost cores; 111.3-112.3; 222-223.
236.5	239					Greywacke-fault	broken ground and mud seams
239	292.1					Greywacke	f. to m.g. quartz veins, barren, 272.2-272.5 286.8-287.1 lost cores; - 248.3-249; 271-271.6; 287.8-288.8;
292.1	202.9	0.8		4529	Nil	Quartz	mainly; some pyrite
202.9	324.2					Greywacke	f. to m.g.; massive lost cores; - 308-313
324.2	326.5	2.3		4530	Tr.	Quartz	mainly; blue, glassy, barren
326.5	362					Greywacke	f. to m.g. massive

Property Echo Nos.

DIAMOND DRILL LOG 7-2-21

Sheet No. 1 Hole No. 2

Started June 23rd, 1952.
Completed July 5th, 1952
Total Depth 940
% Recovery

Location Claim No. 177941; 450' [illegible] E 140 N. from SE
[illegible] Corner; 40'S 90E from Hole 1
Azimuth S 90E
Elev. Collar

DIP			
Footage	Angle	Footage	Angle
0	45°		
500	21°		
940	19°		

Drilled by Inspiration M. & D.
Logged by George H. Salton
Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Core Value Au. Oz.	[illegible]	Rock	DESCRIPTION
0	5							Casing
5	26.5						Grey wacke	mainly; rather massive, thick bedded except local; bedding about 30° to core; few local quartz veinlets, minor pyrite
26.5	110						Slaty grey wacke	and grey wacke f. to m. g.; lost cores:- 36.5 - 38.3; 46 - 47.6; 49.2 - 50; 55.5 - 57; 66 - 67; 70 - 71; 75.5 - 76.5; 77.7 - 78.7; 82.7 - 83.7; 101 - 102; 102.6 - 103.6; 106 - 107.
								N. B. 1-hole cemented
110	236.5						Grey wacke	f. to m. g. massive; some narrow slaty sections; hole flattening; few local barren blue quartz stringers and fillings, more in section 186.5 - 210 lost cores:- 111.3 - 112.3; 222 - 223.
236.5	239						Grey wacke - fault	broken ground and mud seams
239	292.1						Grey wacke	f. to m. g. quartz veins, barren, 272.2 - 272.5, 286.8 - 287.1 lost cores:- 248.3 - 249; 271 - 271.6; 287.8 - 288.8;
292.1	302.9	0.8		4529	Nil		Quartz	mainly; some pyrite
302.9	324.2						Grey wacke	f. to m. g.; massive lost cores:- 308 - 313
324.2	326.5	2.3		4530	Tr.		Quartz	mainly; blue, glassy, barren
326.5	362						Grey wacke	f. to m. g. massive.

Property: North Denison Mines, Duke Twp.

DIAMOND DRILL LOG

Sheet No. 1 Hole No. 2

Started: June 22nd, 1950.
Completed: July 9th, 1950
Total Depth: 340
% Recovery:

Location: Claim No. 1219; 450 [illegible] E 140 N. from SE
[illegible] Corner; 40'S 90E from Hole 1
Azimuth: S 90E
Elev. Collar:

DIP			
Footage	Angle	Footage	Angle
0	45°		
500	21°		
940	19°		

Drilled by: Inspiration M. & D.
Logged by: George H. Salton
Relogged by:

Footage From	Footage To	Core Length	Lost Core	Sample No.	Core Value Au. Oz.	Core Value [illegible]	Rock	DESCRIPTION
0	5							Casing
5	24.5						Grey wacke	[illegible]; mostly massive, thick bedded except local; [illegible] about 30° to core; few local quartz veinlets, [illegible] pyrite
24.5	110						Slaty grey wacke	and grey wacke f. to m. g.; lost cores:- 36.5 - 38.3; 46 - 47.6; 49.2 - 50; 55.5 - 57; 66 - 67; 70 - 71; 75.5 - 76.5; 77.7 - 78.7; 82.7 - 83.7; 101 - 102; 102.6 - 103.6; 106 - 107.
								N. B. 1-hole cemented
110	224.5						Grey wacke	f. to m. g. massive; some narrow slaty sections; hole flattening; few local barren blue quartz stringers and fillings, more in section 186.5 - 210 lost cores:- 111.3 - 112.3; 222 - 223.
224.5	229						Grey wacke - fault	broken ground and mud seams
229	292.1						Grey wacke	f. to m. g. quartz veins, barren, 272.2 - 272.5, 286.8 - 287.1 lost cores:- 248.3 - 249; 271 - 271.6; 287.8 - 288.8;
272.1	272.9	0.8		4529	Nil		Quartz	mainly; some pyrite
272.9	324.2						Grey wacke	f. to m. g.; massive lost cores:- 308 - 313
324.2	327.5	2.3		4530	Tr.		Quartz	mainly; blue, glassy, barren
327.5	342						Grey wacke	f. to m. g. massive.

DIAMOND DRILL LOG

Property: Echo Twp. Sheet No. 2 Hole No. 2

Started	Latitude	DIP: Footage / Angle	Drilled by
Completed	Departure	Footage / Angle	Logged by
Total Depth	Azimuth		Relogged by
% Recovery	Elev. Collar		

Footage From	Footage To	Core Length	Last Core	Sample No.	Au. Oz.	[illegible]	Rock	DESCRIPTION	[illegible]	[illegible]
326.2	362						Greywacke	lost core; - 340-342.5; 347.5-348.5; 349-350;		
								352-353; 354-355; 360-361		
362	362.6	0.6		4531	Nil		Carbonated shear	with calcite, some quartz; fair pyrite in shear		
362.6	440						Greywacke	f. to m.g.		
								lost core:-376-377; 395-396; 397.6-400;		
								402-405; 409-410; 423-424; 436-437.5		
440	452.5						Greywacke	m.g.; micaceous, chloritic, massive		
452.5	601						Greywacke	m.g. mainly; massive		
								lost core:-459-460; 481.5-482.5; 503-504;		
								516.5-518; 562-563; 567-568.5; 588.5-589.5;		
								598-599		
601	634						Slaty grey wacke	f.g. micaceous mainly; some m.g. grey wacke		
								lost core; 602.5-604; 611.5-614; 616-619;		
								625.3-626		
634	794						Greywacke	m.g. massive, micaceous; some slaty grey wacke from		
								750' lost core; -640.5-643.5; 665-665.7;		
								666.8-669; 696-696; 702-703; 736.3-737;		
								749.5-750; 746.7-747.7; 748.3-748.8; 789-791		
794	800-2						Slaty grey wacke	f.g.; locally weakly sheared; few barren quartz		
								veinlets; slight local pyrite; lost core; 795-796.5		
800.2	868.1						Greywacke	m.g. massive; relatively unaltered; contacts 80-85°		
								to core; few barren quartz veinlets; local minor		
								pyrite lost core; 812.6-813.3; 853.7-854.7		
								becoming micaceous.		

Property Zeno Two.

DIAMOND DRILL LOG

Sheet No. 2 Hole No. 3

Started		Latitude	
Completed		Departure	
Total Depth		Azimuth	
% Recovery		Elev. Collar	

DIP			
Footage	Angle	Footage	Angle

Drilled by

Logged by

Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Core Value Au. Oz.	Core Value [illegible]	Book	Colour	DESCRIPTION	Hardness	Mineralization	Remarks
336.2	362						Grey wacke		lost core:- 340 - 342.5; 347.5 - 348.5; 349 - 350; 352 - 353; 354 - 355; 360 - 361			
362	362.6	0.6		4531	Nil		Carbonated shear		with calcite, some quartz; fair pyrite in shear			
362.6	440						Grey wacke		f. to m. g.			
									lost core :- 375 - 377; 395 - 396; 397.6 - 400; 402 - 405; 409 - 410; 423 - 424; 435 - 437.5			
440	452.5						Grey wacke		m.g.; micaceous, chloritic, massive			
452.5	601						Grey wacke		m.g. mainly; massive			
									lost core:- 459 - 460; 481.5 - 482.5; 503 - 504; 514.5 - 515; 562 - 563; 587 - 588.5; 588.5 - 589.5; 598 - 599			
601	634						Slaty grey wacke		f.g. micaceous mainly; some m.g. grey wacke			
									lost core:- 602.5 - 604; 611.5 - 614; 616 - 619; 625.3 - 626			
634	-794						Grey wacke		m.g. massive, micaceous; some slaty grey wacke from 750' lost core:- 640.5 - 643.5; 645 - 645.7; 646.8 - 649; 696 - 696; 702 - 703; 734.3 - 737; 749.5 - 750.5; 746.7 - 747.7; 748.3 - 748.8; 787 - 791			
794	800-2						Slaty grey wacke		f.g.; locally weakly sheared; few barren quartz veinlets; slight local pyrite; lost core:- 795 - 796.5			
800-2	869.1						Grey wacke		m.g.; massive; relatively unaltered; contacts 80 - 85° to core; few barren quartz veinlets; local minor pyrite lost core :- 812.6 - 813.3; 853.7 - 854.7 becoming micaceous			

Property North Jellicoe Lake Area

DIAMOND DRILL LOG

Sheet No. 2 Hole No. 2

Started		Latitude	
Completed		Departure	
Total Depth		Azimuth	
% Recovery		Elev. Collar	

DIP			
Footage	Angle	Footage	Angle

Drilled by

Logged by

Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Core Value Au. Oz.	Core Value [illegible]	Rock	Colour	DESCRIPTION	Hardness	Mineralization	Remarks
336.2	342						Grey wacke		lost cores:- 340 - 342.5; 347.5 - 348.5; 349 - 350; 352 - 353; 354 - 355; 360 - 361			
342	342.6	0.6		4571	Nil		Carbonated shear		with calcite, some quartz; fair pyrite in shear			
342.6	440						Grey wacke		f. to m. g. lost core :- 376 - 377; 395 - 396; 397.6 - 400; 402 - 405; 409 - 410; 423 - 424; 436 - 437.5			
440	452.5						Grey wacke		m.g.; micaceous, chloritic, massive			
452.5	471						Grey wacke		m.g. mainly; massive lost core:- 459 - 460; 481.5 - 482.5; 503 - 504; 516.5 - 518; 562 - 563; 567 - 568.5; 588.5 - 589.5; 598 - 599			
471	494						Slaty grey wacke		f.g. micaceous mainly; some m.g. grey wacke lost core:- 602.5 - 604; 611.5 - 614; 616 - 619; 625.3 - 626			
494	794						Grey wacke		m.g. massive, micaceous; some slaty grey wacke from 750' lost core:- 640.5 - 643.5; 665 - 665.7; 666.9 - 669; 696 - 696; 702 - 703; 736.3 - 737; 749.5 - 750.5; 746.7 - 747.7; 748.3 - 748.8; 789 - 791			
794	800.2						Slaty grey wacke		f.g.; locally weakly sheared; few barren quartz veinlets; slight local pyrite; lost core:- 795 - 796.5			
800.2	864.1						Grey wacke		m.g.; massive; relatively unaltered; contacts 80 - 85° to core; few barren quartz veinlets; local minor pyrite lost core :- 812.4 - 813.3; 853.7 - 854.7 becoming micaceous			

Lake Twp. Ont

DIAMOND DRILL LOG

Sheet No. 3 Hole No. 2

Started		Latitude	DIP				Drilled by
Completed		Departure	Footage	Angle	Footage	Angle	Logged by
Total Depth		Azimuth					
% Recovery		Elev. Collar					Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Au Oz.	[illegible]	Rock	DESCRIPTION
868.1	869.1						Greywacke	micaceous; chloritic; weakly sheared @5° to core
869.1	945.3						Greywacke	m.g.; massive; micaceous; occasional barren quartz veinlets
								lost core; 927.3-928; 938-939
945.3	949						Greywacke	f. to m.g. some slaty; micaceous; locally weakly sheared; few quartz veinlets and local minor pyrite
								END ----949

Property [illegible] Echo Two., Ont.

DIAMOND DRILL LOG

Sheet No. 3 Hole No. 2

Started		Latitude	
Completed		Departure	
Total Depth		Azimuth	
% Recovery		Elev. Collar	

DIP			
Footage	Angle	Footage	Angle

Drilled by

Logged by

Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Core Value Au. Oz.	[illegible]	Rock	DESCRIPTION	Mineralization	Remarks
868.1	869.1						Grey wacke	micaceous; chloritic; weakly sheared 85° to core		
869.1	945.3						Grey wacke	m.g.; massive; micaceous; occasional barren quartz veinlets		
								lost core:- 927.3 - 928; 938 - 939		
945.3	949						Grey wacke	f. to m. g. some slaty; micaceous; locally weakly sheared; few quartz veinlets and local minor pyrite		
							End — 949			

Property North Denison Lake Twp., Ont.

DIAMOND DRILL LOG

Sheet No. 3 Hole No. 2

Started		Latitude	
Completed		Departure	
Total Depth		Azimuth	
% Recovery		Elev. Collar	

DIP			
Footage	Angle	Footage	Angle

Drilled by

Logged by

Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Core Value Au. Oz.	Core Value Cu. %	Rock	Colour	DESCRIPTION	Hardness	Mineralization	Remarks
868.1	869.1						Grey wacke		micaceous; chloritic; weakly sheared 85° to core			
869.1	945.3						Grey wacke		m.g.; massive; micaceous; occasional barren quartz veinlets			
									lost core:- 927.3 - 928; 938 - 939			
945.3	949						Grey wacke		f. to m. g. some slaty; micaceous; locally weakly sheared; few quartz veinlets and local minor pyrite			
							End -- 949					

DIAMOND DRILL LOG

Property: North Denison Mines Ltd., Echo Twp., Ont

Sheet No. 1 Hole No. 9

Started: July 7th/50
Completed: July 19th/50
Total Depth: 836
% Recovery:

Location: Claim Pa.10159 300'N 10E from W.? at
Departure: on south boundary; 50'
Azimuth: S30 E from shore of
Elev. Collar: Franciscan Lk.

Lake Strike N 30°W DIP

Footage	Angle	Footage	Angle
0	45°		
830	14°		

Note: Hole cemented twice

Drilled by:
Logged by:
Relogged by:

Footage From	Footage To	Core Length	Lost Core	Sample No.	Au. Oz.		Rock	DESCRIPTION
0	4							Casing
4	62.8						Agglomerate	acid pyroclastic breccias and agglomerates; locally broken and weakly sheared; may be some porphy intrusive fingers, or porphyritic pyroclastic breccia, from about 39 feet.
62.8	63.6	0.8		4541	.03		Quartz	veinlet about 10° to core; local fair pyrite clusters and some tourmaline .
63.6	98.4						Agglomerate	acid pyroclastic breccias and agglomerates as above; some tuffs with bedding 45-50° to core lost core; -88.6-89.4; 95-96; 97.4-98
98.4	151.6						Agglomerate	and pyroclastic breccias; dark grey, more fine grained matrix; siliceous and silicified, but locally sericitic, chloritic, carbonated lost core; - 142.3-142.9

Property: North Denison Mines Ltd., Echo Twp., Ont.

DIAMOND DRILL LOG

9-1-30

Sheet No. 1 Hole No. 1

Started	July 7th, 1950.	Location	Claim No. 20159 — 300 ft. lo E from N.E. at L— on south boundary; 520 ft. 320 E from shore of Franciscan Lake
Completed	July 10th, 1950.		
Total Depth	816		
% Recovery		Elev. Collar	

Strike N. 30° W

DIP Footage	Angle	Footage	Angle
0	45°		
820	14		

Note:- Hole cemented twice

Drilled by

Logged by

Relogged by

Footage From	To	Core Length	Lost Core	Sample No.	Au. Oz.	Cu %	Rock	Description	Hardness	Mineralization	Remarks
0	4							Casing			
4	62.8						Agglomerate	acid pyroclastic breccias and agglomerates; locally broken and weakly sheared; may be some porphyry intrusive fingers, or porphyritic pyroclastic breccia, from about 39 feet.			
62.8	63.6	0.8		4541	.03		Quartz	veinlet about 10° to core; local fair pyrite clusters and some tourmaline			
63.6	98.4						Agglomerate	acid pyroclastic breccias and agglomerates as above; some tuffs with bedding 45 - 50° to core lost core:- 88.4 - 89.4; 95 - 96; 97.4 - 98			
98.4	151.6						Agglomerate	and pyroclastic breccias; dark grey, more fine grained matrix; siliceous and silicified, but locally sericitic, chloritic, carbonated lost core:- 142.3 - 142.9			

Property: North American Mines Ltd., Rahe Twp., Ont.

DIAMOND DRILL LOG

Sheet No. 1 Hole No. 3

Started: July 7th, 1950.
Completed: July 19th, 1950.
Total Depth: 934
% Recovery:

Location: Claim No. 10199
Bearing: 300°W to S from W.f. at Lake Strike N 30° W
Elevation: on south boundary; 50' S30 W fr. N shore of Franciscan Lake
Elev. Collar:

DIP Footage	Angle	Footage	Angle
0	45°		
830	14°		

Drilled by:
Logged by:
Relogged by:

Note:- Hole cemented twice

Footage From	Footage To	Core Length	Lost Core	Sample No.	Au. Oz.	Rock	Colour	DESCRIPTION	Hardness	Mineralization	Remarks
0	4							Casing			
4	62.8					Agglomerate		acid pyroclastic breccias and agglomerates; locally broken and weakly sheared; may be some porphyry intrusive fingers, or porphyritic pyroclastic breccia, from about 39 feet.			
62.8	63.6	0.8		4541	.03	Quartz		veinlet about 10° to core; local fair pyrite clusters and some tourmaline			
63.6	98.4					Agglomerate		acid pyroclastic breccias and agglomerates as above; some tuffs with bedding 45 - 50° to core lost core:- 88.4 - 89.4; 95 - 96; 97.4 - 98			
98.4	151.6					Agglomerate		and pyroclastic breccias; dark grey, more fine grained matrix; siliceous and silicified, but locally sericitic, chloritic, carbonated lost core:- 142.3 - 142.9			

Property

DIAMOND DRILL LOG

Sheet No. 2 Hole No. 3

Started	Latitude	DIP	Drilled by
Completed	Departure	Footage / Angle / Footage / Angle	Logged by
Total Depth	Azimuth		Relogged by
% Recovery	Elev. Collar		

Footage From	Footage To	Core Length	Last Core	Sample No.	Au oz.	[illegible]	Rock		DESCRIPTION
151.6	179.5						Agglomerate		rather sheared, brecciated, and broken; sericitic;
									local carbonate limanite spots possibly residual
									after sulphides; local leached sections;
									Lost core;-162.5-163.5;165.1-165.7; 171.7-172.4;
179.5	263.3						Agglomerate		as above, but more massive
									lost core;- 179-179.5; 189.5-190.5; 197-198.2;
									208-209;218-219; 219.4-221.4;222.2-225.7;
									226-227.3;232-232.7; 263.7-264.3;
263.3	412						Agglomerate		and pyroclastic breccia; more fine grained matrix;
									dark grey to light grey; senerally rather massive
									but once sheared, silicified, and recrystallized; includes
									some short sections of quartz porphyry or porphyritized fragments
412	421						Pyroclastic		weakly sheared, about 45° to core; some what carbonate
							breccias		and sericitic; barren quartz veins 412.6-413.3;
									417-417.3; 417.9-418.1;

Property North Nelson Twp. Mt.

DIAMOND DRILL LOG

Sheet No. 2 Hole No. 3

Started		Latitude	
Completed		Departure	
Total Depth		Azimuth	
% Recovery		Elev. Collar	

DIP			
Footage	Angle	Footage	Angle

Drilled by

Logged by

Relogged by

Footage		Core Length	Lost Core	Sample No.	Core Value Au. Oz.	Core Value XXXXX	Rock	DESCRIPTION	Hardness	Mineralization	Remarks
From 151.6	to 179.5						Agglomerate	rather sheared, brecciated, and broken; sericitic; local carbonate limonite spots possibly residual after sulphides; local leached sections; lost core:- 172.5 - 173.5; 165.1 - 165.7; 171.7 - 172.4;			
179.5	263.3						Agglomerate	as above, but more massive lost core:- 179-179.5; 189.5 - 190.5; 197 - 198.2; 209 - 210; 218 - 219; 219.4 - 221.4; 222.2 - 225.7; 226 - 227.3; 232 - 232.7; 263.7 - 264.3;			
263.3	412						Agglomerate	and pyroclastic breccia; more fine grained matrix; dark grey to light grey; generally rather massive but once sheared, silicified, and recrystallized; includes some short sections of quartz porphyry or porphyritised fragmentals			
412	421						Pyroclastic breccias	weakly sheared, about 45° to core; some what carbonated and sericitic; barren quartz veins 412.6 - 413.3; 417-417.7; 417.9 - 419.1;			

Property North Davison Twp. Ont.

DIAMOND DRILL LOG

Sheet No. 2 Hole No. 3

Started		Latitude	
Completed		Departure	
Total Depth		Azimuth	
% Recovery		Elev. Collar	

DIP			
Footage	Angle	Footage	Angle

Drilled by

Logged by

Relogged by

Footage		Core Length	Lost Core	Sample No.	Core Value Au. Oz.	Core Value XXXXX	Rock	Colour	DESCRIPTION	Hardness	Mineralization	Remarks
From 151.4	to 179.5						Agglomerate		~~ther sheared, brecciated, and broken; s~~ericitic;			
									local carbonate limanite spots possibly residual			
									after sulphides; local leached sections;			
									lost core:- 142.5 - 143.5; 165.1 - 165.7; 171.7 - 172.4;			
179.5	263.3						Agglomerate		as above, but more massive			
									lost core:- 179-179.5; 189.5 - 190.5; 197 - 198.2;			
									208 - 209; 218 - 219; 219.4 - 221.4; 222.2 - 225.7;			
									226 - 227.3; 232 - 232.7; 263.7 - 264.3;			
263.3	412						Agglomerate		and pyroclastic breccia; more fine grained matrix;			
									dark grey to light grey; generally rather massive			
									but once sheared, silicified, and recrystallized; includes			
									some short sections of quartz porphyry or porphyritized fragmentals			
412	421						Pyroclastic		weakly sheared, about 45° to core; some what carbonated			
							breccias		and sericitic; barren quartz veins 412.6 - 413.3;			
									417-417.3; 417.9 - 419.1;			

Property

DIAMOND DRILL LOG

Sheet No. 3 Hole No. 3

				DIP			
Started		Latitude		Footage	Angle	Footage	Angle
Completed		Departure					
Total Depth		Azimuth					
% Recovery		Elev. Collar					

Drilled by

Logged by

Re-logged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Au oz.	[illegible]	Rock	DESCRIPTION
421	453						Pyroclastic breccia	and agglomerate as above
453	455						" "	weakly sheared, about 45° to core; carbonated and sercitic
455	465						" "	and agglomerate
465	480.7						Quartz porphyry	and in part porphyritized pyroclastics; local quartz eyes; f.g. dark grey matrix; few pyrite streaks and minor disseminated towards end
480.7	485.5						Agglomerate	and breccia? porphyritized; locally chloritic
485.5	490.5	5.0		4542	Nil		Quartz porphyry	and porphyritized breccia; few quartz veinlets and local minor pyrite
490.5	495.5	5.0		4543	Nil		Quartz porphyry	and porphyritized breccia; locally silicified; few quartz veinlets and local disseminated pryite
495.5	555.9						Pyroclastic breccia	and agglomerate, locally porphyritized; minor local pyrite.

Property

DIAMOND DRILL LOG

Sheet No. 3 Hole No. 3

Started	Latitude	DIP	Drilled by
Completed	Departure	Footage / Angle / Footage / Angle	Logged by
Total Depth	Azimuth		Relogged by
% Recovery	Elev. Collar		

Footage From	Footage To	Core Length	Lost Core	Sample No.	Core Value Au. Oz.	Core Value Cu. %	Core Value Rock	Colour / DESCRIPTION / Hardness	Mineralization	Remarks
421	453						Pyroclastic breccia	and agglomerate as above		
453	455						Pyroclastic breccia	weakly sheared, about 45° to core; carbonated and sericitic		
455	465						Pyroclastic breccia	and agglomerate		
465	490.7						Quartz porphyry	and in part porphyritized pyroclastics; local quartz eyes; f.g. dark grey matrix; few pyrite streaks and minor disseminated towards end		
490.7	495.5						Agglomerate	and breccia? porphyritized; locally chloritic		
495.5	490.5	5.0		A542	Nil		Quartz porphyry	and porphyritized breccia; few quartz veinlets and local minor pyrite		
490.5	495.5	5.0		A543	Nil		Quartz porphyry	and porphyritized breccia; locally silicified; few quartz veinlets and local disseminated pyrite		
495.5	555.9						Pyroclastic breccia	and agglomerate, locally porphyritized; minor local pyrite		

Property: North Denison

DIAMOND DRILL LOG

Sheet No. 3 Hole No. 3

Started	Latitude
Completed	Departure
Total Depth	Azimuth
% Recovery	Elev. Collar

DIP			
Footage	Angle	Footage	Angle

Drilled by

Logged by

Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Core Value Au. Oz.	Core Value %	Rock	Colour / DESCRIPTION / Hardness	Mineralization	Remarks
421	453						Pyroclastic breccia	and agglomerate as above		
453	455						Pyroclastic breccia	weakly sheared, about 45° to core; carbonated and sericitic		
455	465						Pyroclastic breccia	and agglomerate		
465	480.7						Quartz porphyry	and in part porphyritized pyroclastics; local quartz eyes; f.g. dark grey matrix; few pyrite streaks and minor disseminated towards end		
480.7	485.5						Agglomerate	and breccia? porphyritized; locally chloritic		
485.5	490.5	5.0		4542	Nil		Quartz porphyry	and porphyritized breccia; few quartz veinlets and local minor pyrite		
490.5	495.5	5.0		4543	Nil		Quartz porphyry	and porphyritized breccia; locally silicified; few quartz veinlets and local disseminated pyrite		
495.5	555.9						Pyroclastic breccia	and agglomerate, locally porphyritized; minor local pyrite		

Property

DIAMOND DRILL LOG

Sheet No. 4 Hole No. 3

Started	Latitude	DIP	Drilled by
Completed	Departure	Footage / Angle / Footage / Angle	Logged by
Total Depth	Azimuth		Relogged by
% Recovery	Elev. Collar		

Footage From	Footage To	Core Length	Lost Core	Sample No.	Au. Oz.	[illegible]	Rock		DESCRIPTION
555.9	595						Tuffs		maybe in part quartz porphyry; dark grey, f.g.;
									few local quartz stringers and veinlets and local
									disseminated pryite to 574
595	624.5						Pyroclastic		and tuffs; f.g. mainly; slight disseminated
								breccia	pyrite
624.5	629.5	5.0		4544	Tr.		"	"	and tuffs; local disseminated pyrite; 2" quartz
									at 625, 1" quartz at 627.4, 5" at 628.9 with
									some chalcopyrite and pyrite.
629.5	668.3						"	"	and tuffs; f.g. mainly; few local quartz stringers
									local minor pyrite.
668.3	679.4						"	"	may be intrusive feldspar porphyry or porphyritic pyroclastic breccia
679.4	694.3						"	"	local slight pyrite
694.3	737						Tuffs		and breccias f.g.; siliceous and locally silicified
									porphyritic breccia 725-737

Property

DIAMOND DRILL LOG

Sheet No. 4 Hole No. 3

Started		Latitude	
Completed		Departure	
Total Depth		Azimuth	
% Recovery		Elev. Collar	

DIP			
Footage	Angle	Footage	Angle

Drilled by

Logged by

Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Core Value Au. Oz.	Core Value %	Core Value Work	DESCRIPTION	Hardness	Mineralization	Remarks
555.9	595						Tuffs	maybe in part quartz porphyry; dark grey, f.g.; few local quartz stringers and veinlets and local disseminated pyrite to 574			
595	624.5						Pyroclastic breccias	and tuffs; f.g. mainly; slight disseminated pyrite			
624.5	629.5	5.0		4544	Tr.		Pyroclastic breccias	and tuffs; local disseminated pyrite; 2" quartz at 625, 1" quartz at 627.4, 5" at 629.9, with some chalcopyrite and pyrite			
629.5	668.3						Pyroclastic breccias	and tuffs; f.g. mainly; few local quartz stringers and local minor pyrite			
668.3	679.4						Porphyritic breccias	may be intrusive feldspar porphyry or porphyritic pyroclastic breccia			
679.4	694.3						Pyroclastic breccia	local slight pyrite			
694.3	737						Tuffs	and breccias; f.g.; siliceous and locally silicified porphyritic breccia 725 - 737			

Property North Dunlop

DIAMOND DRILL LOG

Sheet No. 4 Hole No. 3

Started		Latitude	
Completed		Departure	
Total Depth		Azimuth	
% Recovery		Elev. Collar	

DIP			
Footage	Angle	Footage	Angle

Drilled by

Logged by

Relogged by

Footage From	Footage To	Length	Last Core	Sample No.	Core Value Au. Oz.	Core Value XXX%	Rock	Colour	DESCRIPTION	Hardness	Mineralization	Remarks
555.9	595						Tuffs		maybe in part quartz porphyry; dark grey, f.g.; few local quartz stringersand veinlets and local disseminated pyrite to 574			
595	624.5						Pyroclastic breccias		and tuffs; f.g. mainly; slight disseminated pyrite			
624.5	629.5	5.0		4544	Tr.		Pyroclastic breccias		and tuffs; local disseminated pyrite; 2" quartz at 625, 1" quartz at 627.4, 5" at 628.9, with some chalcopyrite and pyrite			
629.5	668.3						Pyroclastic breccias		and tuffs; f.g. mainly; few local quartz stringers and local minor pyrite			
668.3	679.4						Porphyritic breccias		may be intrusive feldspar porphyry or porphyritic pyroclastic breccia			
679.4	694.3						Pyroclastic breccia		local slight pyrite			
694.3	737						Tuffs		and breccia; f.g.; siliceous and locally silicified porphyritic breccia 726 - 737			

Property

DIAMOND DRILL LOG

Sheet No. 5 Hole No. 3

Started		Latitude	DIP Footage	DIP Angle	DIP Footage	DIP Angle	Drilled by
Completed		Departure					Logged by
Total Depth		Azimuth					
% Recovery		Elev. Collar					Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Assay Au. Oz.	Assay [illegible]	Rock	[illegible]	[illegible]	DESCRIPTION	[illegible]	[illegible]	[illegible]
737	741.4	1.4		4545	Tr.		Tuffs			siliceous and locally silicified; few quartz stringers and local minor pyrite.			
747.4	766.8						Tuffs			and pyroclastic breccia; f.g.; dark grey; locally slight porphyritic; minor disseminated pyrite			
766.8	769	2.1		4546	Nil		Tuffs			f.g.; fair local disseminated pyrite; 6" quartz and carbonate vein, some tourmaline, and 1" stringer, minor pyrite			
769	827						Tuffs			f.g.; siliceous and locally silicified, some carbonatization; practically no evidence of bedding; fair to minor disseminated pyrite; quartz stringers at 804.7 and 805.2			
827	831						Tuffs			weakly sheared about 70° to core; locally silicified and some what sericitic			
831	836						Tuffs			f.g.; very acidic; slight disseminated pyrite			
							END OF HOLE 836						

Property Porter Wilson

DIAMOND DRILL LOG

Sheet No. 5 Hole No. 9

Started		Latitude	
Completed		Departure	
Total Depth		Azimuth	
% Recovery		Elev. Collar	

DIP			
Footage	Angle	Footage	Angle

Drilled by

Logged by

Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Core Value Au. Oz.	Core Value Rock	Rock	Colour	DESCRIPTION	Hardness	Mineralization	Remarks
737	741.4	1.4		A545	Tr.		Tuffs		siliceous and locally silicified; few quartz stringers and local minor pyrite			
741.4	766.8						Tuffs		and pyroclastic breccia; f.g.; dark grey; locally slightly porphyritic; minor disseminated pyrite.			
766.8	769	2.1		A546	Nil		Tuffs		f.g.; fair local disseminated pyrite; 4" quartz and carbonate vein, some tourmaline, and 1" stringer; minor pyrite			
769	827						Tuffs		f.g; siliceous and locally silicified, some carbonatization; practically no evidence of bedding; fair to minor disseminated pyrite; quartz stringers at 804.7 and 805.2			
827	831						Tuffs		weakly sheared about 70° to core; locally silicified and some what sericitic			
831	836						Tuffs		f.g.; very acidic; slight disseminated pyrite			
					End 836							

Property: North Davison

DIAMOND DRILL LOG

Sheet No. 5 Hole No. 3

Started		Latitude	
Completed		Departure	
Total Depth		Azimuth	
% Recovery		Elev. Collar	

DIP				
Footage	Angle	Footage	Angle	Drilled by
				Logged by
				Relogged by

Footage From	Footage To	Core Length	Lost Core	Sample No.	Core Value Au. Oz.	Core Value [illegible]	Core Value Rock	Colour	DESCRIPTION	Hardness	Mineralization	Remarks
737	741.4	1.4		A545	Tr.		Tuffs		siliceous and locally silicified; few quartz stringers and local minor pyrite			
741.4	766.8						Tuffs		and pyroclastic breccia; f.g.; dark grey; locally slightly porphyritic; minor disseminated pyrite.			
766.8	769	2.1		A546	Nil		Tuffs		f.g.; fair local disseminated pyrite; 6" quartz and carbonate vein, some tourmaline, and 1" stringer, minor pyrite			
769	827						Tuffs		f.g; siliceous and locally silicified, some carbonatization; practically no evidence of bedding; fair to minor disseminated pyrite; quartz stringers at 804.7 and 805.2			
827	831						Tuffs		weakly sheared about 70° to core; locally silicified and some what sericitic			
831	836						Tuffs		f.g.; very acidic; slight disseminated pyrite			
					End 836							

NORTH. DENNISON ① N. 30 W BEARING @ 45
#1 HOLE 450 FT E & 800 FT N FROM SW CORNER
OF PA 10194

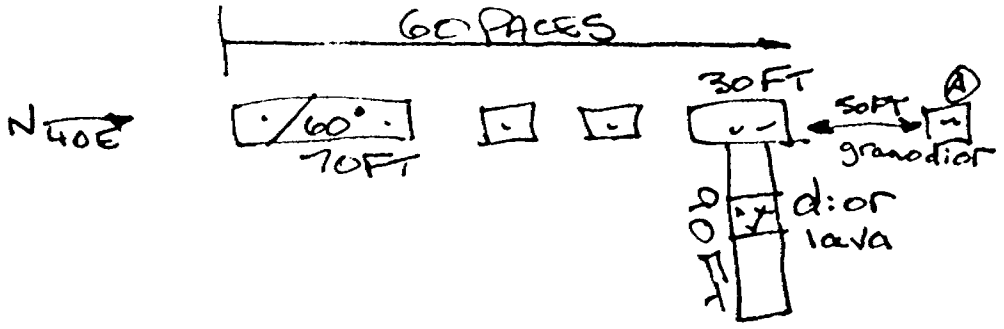
② 450 E 150 N OF SW CORN OF 10194
STRIKE S 30 E DIP 45°

③ 300 N 10 E FROM WITNESS POST
OF FRANS. LAKE. ON S BOUNDARY 10159.
BEARS N 30 W @ 45°.

④ 250 E FROM NW CORNER OF PA 10037
ON NORTH BOUNDARY. BEAR S 30 E DIP 45.

#1 DENREY HOLE

450 E 80 FT S NW CORNER.
10145 STR N 40 W @ 45°
HOLES FLATTEN CONSIDERABLY



North Dominion ① N.30 W Bearings
#1 hole 450 ft E & 200 ft N from
SW corner of PA 10194

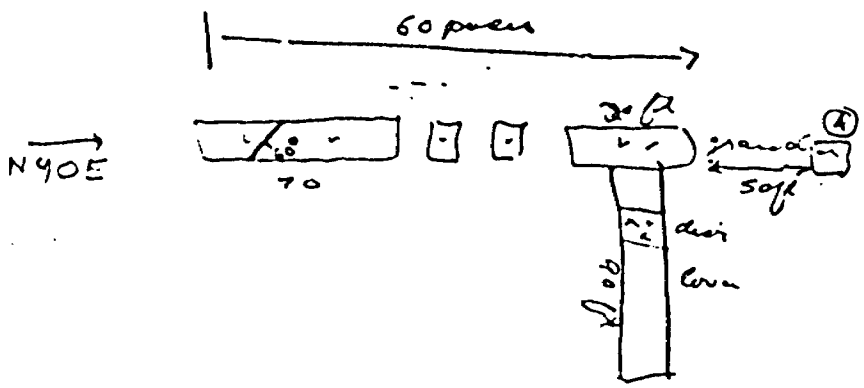
② 450 E 150 N of SW corn of 10194
Strike S 30° E Dip 45°

③ 300 N 10 E from Winnock post
of Trans. Lake on S boundary
10159. Bears N30W @ 45°

④ 250 E from NW corner of
PA 10037 on North boundary
Bears S30E Dip 45.

#1 Density Hole
450 E 50 ft S. NW corner
10145. Str. N 40 W @ 45°

Holes flatten considerably.



NORTH DENISON NO 1 AUG 5/50

NO 1 HOLE (DRILLED NW) (-10 P S N)

0-288 6 NE SEDS F.G. GREEN ORIC MASSIVE (10 P S N) BEDDING WELL DEVELOPED & GREEN SORTING ? (40 P S N)

288-310 PYRROTITE IN LOCAL MASSIVE BANDS IN QUARTZITE SCHIST. WELL BANDED, 1 F CONTACT OUTER SEDS SHEARED & BRECCIATED FOR 3" + SAME CARB.

310-920 MAY BE FAULTY ACID PYROCLASTICS.

END OF HOLE PERPHYROLIC? RHYOLITE FLOW BRECCIA. AS ON BONNIEVILLE #1 HOLE THE IF APPEARS TO BE LATER THAN THE PYROCLASTICS AS WE GET ? OF PYRO IN THE IF CONTACT SHOWS IN A MOVEMENT AT THIS END.

THE PYROCLASTICS HERE ARE MASSIVE & PORPHYRYTE VARY IN COMPOSITION FROM ? TO INTERMEDIATE. NO REAL BASIC NUMBER? SAME BLUE QTZ EYES DEVELOPED.

NORTH [illegible] No 1 AUG [illegible] 50

No 1 HOLE (collar N W)

0 – 268 GW: SEDS. F.G. GREEN GREY massive [illegible]
Bedding well developed [illegible]
[illegible] contain [illegible]
Bedding 30° to core [illegible]

268 - 310 Porphyritic siliceous massive bands in quartzite ooliths.
Well banded, IF.
Contact with seds sharp & breccia [illegible] for 3" & some [illegible]. [illegible] faulty acid pyroclastics.

310 – 920
END OF HOLE

porphyritic rhyolite flow breccia as in Dannville #1
Note the IF. appears to be later than the pyroclastics as we get frags of pyro in the IF and the IF contact shows no movement at this end.
The pyroclastics here are massive & porphyritic & vary in composition from acid to intermediate. Mostly intermediate & no real basic members. Some blue qtz eyes developed.

NORTH DENNISON #2 HOLE DRILLED SE

0 - 5 CASING
5 - 949 GREEN GYIC GYB?
END OF HOLE WELL BANDED LOCALLY
(BEARING @ 30° - 45° TO CORE)
(40 PSNI. SAEC? FOR MICROSCOPIC
DET=?
(70 PS S) FG-QUARTZITE GYE

HOLE NO. 3 DRILLED N UNDER FRANCISC? LAKE.
NY? OUTLET OF CREEK.

0 - 189 INTERMEDIATE TO ACID
PYROCLASTIC / PORPHYRITIZED
DK TO LIGHT GRAY MASSIVE
F.G.

189.204 WELL SHEARED OKAOCINIZED?
PYROCLASTIC + RUSTY FLECKS.
~~PROBABLE FAULTY ZONE~~
CONSIDERABLE? LEACHING
204-655 ACID & INT. PYROCLASTICS MOGULITE?
FLECK THROUGH MOST OF THIS ONE.
655-828 MASSIVE DK GREY GNEISSIC ROCK RESEMBLING
GRANODIORITE VERY CLOSELY. BLUISH QTZ EYES
LOCALLY. SPEC (COMPARE SPECTROSCOPICALLY WITH
GRANODIORITE) (IS THIS A PORCGERITE?
EQUIVILANT?)
SAME INDISTINCT FREQUENCY? IS PART
OF THIS CORE.
LOCAL COARSE PYRITE? AT SOME PLACES.
SOME NARROW THREADS OF PYRITE SHOW
NARROW BANDS OF LEACHING OR ALTERATION
(RARE)
828 ? PYROCLASTIC CONTACT INDISTINCT. APPEARS
THAT C.D. FINER GRAINED HOWEVER

NORTH DENNISON No 2 HOLE DRILLED CE
0-5 CASING
5-949. GREEN QTZ-C(?)YS
END OF HOLE. WELL BANDED LOCALLY.
BEDDING (@ 35°-45° TO CORE)
[illegible] SAME AND
MICROSCOPIC DOTS
(TOPS S) F.G. quartzite pyr
[illegible] grain

HOLE NO 3 DRILLED N UNDER FRANCISCAN
LAKE AT OUTLET OF CREEK

0 - 189 INTERMEDIATE TO ACID
PYROCLASTIC. PORPHYRITIZED
DK TO LIGHT GRAY MASSIVE
FG.

189 - 204 WELL SHEARED & KAOLINIZED
PYROCLASTIC + RUSTY FLECKS
PROBABLE FAULT ZONE.
CONSIDERABLE LEACHING

204 - 655 ACID & INT. PYROCLASTICS
magnetite flecks [illegible]
most of this core

655 - 828 massive dk gray gneissic
rock resembling granodiorite
very closely. Bluish qtz
eyes locally. Spec.
(compare microscopically
with granodiorite)
(Is this a paragenetic
equivalent ?)
Some [illegible] [illegible]
in part of this core
Local coarse pyrite [illegible]
at some places.
Some narrow threads
of pyrite show narrow
borders of leaching or
[illegible] ([illegible])

828 [illegible] pyroclastic
Contact [illegible]. Appears
that G.D. [illegible] [illegible] [illegible].

NORTH DENISON #4

0-30 CASING
30-100 ACID PYROCLASTICS & PORPHYRITIC RHYOLITE FLAW BRECCIA.
100-894 INTERVAL? TO BASIC PORPH
END OF HOLE: PYROCLASTICS.

PEN-REYNEL HOLE

0-7 CASING
7-27 BASIC AGGLOM
27-132 BANDED IF ½ MAGNETITE BANDS WITH PY-PO REPLACEMENT AGAIN AT CONTACT WE GET FRAGS OF AGGLOM IN THE IRON FORMATION. GO IRON FORMATION LATER.
600 BASIC AGG & INT AGG. HERE WE HAVE MATURE CF IF FRAGS IN AGGLOM. GO NO FURTHER AHEAD. BASIC AGG.

END OF HOLE.

NORTH [illegible] # 4

0-30 CASING

30 - K. ACID [illegible] CLASTICS TO porphyritic rhyolite flow breccia

100 - 894 Intermed to basic porph.

END OF HOLE pyroclastics -

[illegible] #1 HOLE

0-7 CASING.

7-27 DARK AGGLOM.

27-182 BANDED IF ½ magnetite bands until py-po replacement. Again at contact we get frags of agglom in the iron formation. So iron form ation later..

~~182~~ 600 . BASIC AGG . INT AGG — Here we have inclusions of IF frags in agglom so no further doubt BASIC AGG.

END OF HOLE.

MINING PROPERTIES OF
NORTH DENISON MINES LIMITED
EL PEN REY MINES LIMITED
ECHO & PICKEREL TWPS., ONT.
GEOLOGY & DIAMOND DRILL HOLES
SCALE 1" = 1000' SEPTEMBER, 1950

1" = 1000

A ACID INTRUSIVES quartz porhyry mainly
B SEDIMENTS Greywacke, etc.
C IRON FORMATION
D ACAD VOLCANIC FRAGMENTALS
E BASIC VOLCANICS FLOWS

ECHO TWP. PICKEREL TWP.
LOT 2 LOT 1
CONCESSION 2
HIGHWAY 72
O.N.P.R.
FRANCISCAN LAKE
NEWLUND
D.H. 3
D.H. 2
D.H. 1
Newlund Road
PICKEREL ARM LAKE
EL PEN REY
NORTH DENISON
McAREE TWP.

Pa 10142 Pa 10143 Pa 10071 Pa 1007
Pa 10157 Pa 10147 Pa 10144 Pa 10074 Pa 1007
Pa 10162 Pa 10161 Pa 10163 Pa 10164 Pa 10148 Pa 10076
Pa 10145
Pa 10160 Pa 10165 Pa 10077 Pa 10079 Pa 10363
Pa 10159
Pa 10035 Pa 10033 Pa 10194 Pa 10198 Pa 10204 Pa 10078 Pa 10080 Pa 10368
Pa 10034 Pa 10034 Pa 10197 Pa 10199 Pa 10205 Pa 10081 Pa 10082 Pa 10369
Pa 10196
Pa 10033 Pa 10038 Pa 10203 Pa 10200 Pa 10206 Pa 10061 Pa 10062 Pa 10606
Pa 10040 Pa 10212 Pa 10211 Pa 10210 Pa 10202 Pa 10201 Pa 10207 Pa 10059 Pa 10060 Pa 10603