63.4209

010

REPORT OF WORK PERFORMED

on

DIEPDAUME MINES LIMITED PROPERTY

Tisdale and Deloro Townships

Porcupine Mining Division of Ontario

January 1 - December 31, 1982

REGISTERED PROFESSIONAL ENGINEER
H. A. PEARSON
PROVINCE OF ONTARIO

June 27, 1983

Revised December 9, 1983

H.A. PEARSON, P. Eng.

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DIEPDAUME MINES LIMITED

Work Performed during the Period

January 1 - December 31, 1982

1. SUMMARY

A) THE PROPERTY

The property is comprised of the former Preston East Dome Mines Limited which produced gold from 1938 to 1968. During this period, the Preston East Dome mined 6,284,405 tons with an average grade of 0.24 ozs. gold per ton.

The property is located in the southeast quadrant of Tisdale Township in the Porcupine Mining Division of Ontario. It adjoins the south boundary of Dome Mines Limited which is in full production.

The mine was left in bad disorder, and in an unsafe condition. Total rehabilitation to safe production standards will be extensive.

Also included in this report is a group of claims in Deloro Township, adjoining the south side of the main mine property.

B) THE PROGRAM AND ITS OBJECTIVES

The Preston East Dome workings broke into the workings of the Paymaster Mine in the Midcamp Section of the Preston Mine.

The closing of the Paymaster Mine and its subsequent flooding ultimately forced the closing of the Preston East Dome which did not have the pumping capacity to handle the extra influx of water. Preston was faced with the problem of pumping 850 gallons of water per minute. This included 350 gallons per minute from the Paymaster and 90 gallons per minute from the Buffalo Ankerite Mine.

As a result, considerable tonnage of ore which would be viable at the current price of gold was left in place.

In the Midcamp Area of the Preston Mine there remain 350,000 tons of sulphide ore with an average grade of 0.15 ozs. gold per ton between the 18th level and the 10th level. The bulk of the Preston ore was free milling and 60 percent of the gold was recovered on the jigs. The remainder was recovered by cyanidation.

However, there was no flotation circuit to handle the sulphide ore which caused flouring of the mercury and prevented amalgamation. In addition, the chlorite from the sulphide ore clogged the filters and the pyrrhotite consumed enormous quantities of cyanide.

The present mill being constructed on the Diepdaume Property has a flotation system and can handle the sulphide ore.

In addition, a minimum of 50,000 tons of ore with an average grade of approximately 0.5 ozs. gold per ton was developed on the Preston 14th level near the Dome boundary close to the Diepdaume Main (No. 2) Shaft. This was the highest grade ore ever encountered at the Preston East Dome. The rising water prevented it from being mined. It still remains in place.

Further, ore from the Dome Mines strikes and dips onto the Diepdaume on its 19th level (Dome, 20th level). This represents a considerable tonnage, on the Diepdaume property, which has been partially developed, but was not mined due to the rising water.

Finally considerable tonnage was left in the walls of the large stopes in the Preston Porphyry between the 9th level and surface. This would now be ore at current gold prices. Both Dome and Pamour (former McIntyre Mine) are now mining large tonnages of similar ore from the walls of their old stopes.

During 1982, dewatering of the 400, 500 and 600 levels of the Diepdaume Mine was carried out. In addition, rehabilitation and sampling was carried out on the 250, 375 and 500 levels of the New York Porcupine Section of the Diepdaume Mine.

During this period, reconstruction of the mill continued and metallurgical tests were conducted on the Diepdaume ore (Appendix 2).

The sampling program both underground and on surface is outlined in Appendix 1.

Sampling, stripping and geological mapping was conducted on surface in an area approximately 400 feet south of the southeast corner of Simpson Lake.

And finally, a program of prospecting and geological mapping was completed in the vicinity of an electromagnetic conductor on the Deloro Township group of claims.

2) UNDERGROUND REHABILITATION

A) MAIN SHAFT AREA (NO. 2 SHAFT)

Plans of all the levels de-watered to date to the 675 level are covered by Figures 1, 2, 2a, 3, 3a, 4, 4a, 5, 5a, 5b, 6 and 6a.

Due to the continuation of our 1981 de-watering and re-habilitation program, we were able to clear the 400, 500 and 600 levels.

As each level was de-watered new guides were installed in the cage and skip compartments. Landings and ladders were replaced in the manway compartment.

Shaft cables for the electrical installations were run at the time each level was washed, scaled and cleared of debris. Figure 7.

A fault on the fourth level was rockbolted and strapped and a fire door was installed.

Extremely unsafe ground conditions prevented any work from being done on the 4th level.

Due to the volume of water and depth of the 5th level a new pumping facility was installed. Figures 8 and 8a.

An one foot thick concrete dam was constructed with intake and outlet pipes at the entrance to a dead end drift.

The old charging station was slashed to facilitate the installation of a 100 hp. stationary pump. The pump station back and travelway were rockbolted.

A 140 hp. Flygt pump was installed behind the dam as a standby pump.

A 30 hp. Flygt pump was attached to a cross head and lowered down the shaft 160 feet; this pump is used to feed the 500 level dam.

The 550 loading pocket was re-habilitated. Old flooring and timber were replaced. The loading pocket chute was relined with abrasive plate. New control chains and air cylinders were installed.

Finally, the 600 level was cleaned and a bulk head built for conveyance safety.

B) NEW YORK PORCUPINE SHAFT AREA

The New York Porcupine shaft is located 2300 feet due west of the Diepdaume main shaft.

The N.Y.P. concrete shaft cap was removed to provide ventilation to the mine, and access to the N.Y.P. 250 and 375 levels. Manway, landings, and ladders were replaced from surface down to the 250 level.

.../4

The shaft collar was housed to prevent unauthorized entry.

1200 feet due south of the N.Y.P. shaft an internal winze (250) was retimbered and new ladders installed in the manway compartment. This provided entry to the 375 N.Y.P. level.

Access from the 375 N.Y.P. level to the 500 level Diepdaume was provided by installing new ladders in the 375 access raise, a length of 225 feet.

The above work provided the mine with an emergency manway in case of fire, increased natural ventilation and provided access to partially developed areas.

The most difficult and time consuming aspects of working in this area were the long distances to travel and lack of mechanical transport to move material. All material needed was carried manually over considerable distances to the working areas.

A systematic sampling program was initiated for this area. The program included drift sampling, muck sampling, and stope sampling (see maps and assay reports). See Appendix 1.

The drift and muck sampling posed no problems. However, stope sampling proved much more difficult. Stope raises had to be timbered and stagings built to reach stope backs and faces.

3. SURFACE EXPLORATION

A. AREA SOUTHEAST OF SIMPSON LAKE, FIGURE 14

This section lies about four-hundred feet south of the south-east end of Simpson Lake. It includes the area where a series of closely spaced drill holes were put down previously to test an area of quartz veins in porphyry in an effort to block out possible readily accessible surface ore for future early mill feed.

The area was prospected, light overburden was stripped and the whole geologically mapped in the fall of 1982.

This work uncovered a sizeable area of quartz veins and stringers in the porphyry north-east of the drill holes area. This zone of quartz and porphyry requires more stripping, rock trenching, sampling and drilling.

A number of grab samples were taken during the prospecting and mapping. The strong quartz vein which extends north-west of the raise area was chip sampled. (The raise is connected to the New York Porcupine underground workings of our property.) The areas east and west of the mapped area are heavily overburdened. The area to the north near Simpson Lake has some outcrops.

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Assay results were disappointing but much stripping and sampling must be done to properly assess the economic potential of this part of the mine property.

B. AREA OF THE ELECTROMAGNETIC CONDUCTOR - DELORO TOWNSHIP, FIGURE 15

An electromagnetic survey was carried out in 1981 over a group of claims adjacent to the south side of the main property in Deloro Township. This work resulted in detecting several conductors. The strongest Conductor designated as "A" was selected as the most important. The area along the length of the conductor axis was prospected and then mapped in detail in an effort to ascertain the reason for the conductor in 1982.

A banded iron formation consisting of abundant quartz with ribbons of magnetite and red jasper was found to lie about 200 feet south of the conductor and parallel to it for most of its length. Most of the conductor lies along a broad flat depression hosting a small watercourse and acting as a drainage basin with a south-west flow. The area is heavily overburdened with clay.

The north-east end of the conductor passes through an area of carbonatized volcanics and quartz prophyry with the Iron Formation on the south side. The conductor appears to be offset about 150 feet west side south along the porphyry.

The conductor appears to be caused in part by low wet clay soil conditions but the strong crossovers may preclude this. The conductor requires a drill test.

Low gold values were reported by previous operators in the iron formation. A program of stripping and sampling is planned to test the economic potential of this strong geological structure.

4. COSTS INCURRED

A total of $635,873.80 was expended on the property during the period.

A breakdown of the apportioned costs accompanies the Application for the Ontario Mineral Exploration Program.Grant.

H.A. Pearson

December 9, 1983

H.A. Pearson, P. Eng.

REGISTERED PROFESSIONAL ENGINEER
H. A. PEARSON
PROVINCE OF ONTARIO

APPENDIX 1

THE SAMPLING PROGRAM

In 1982, surface and underground sampling were conducted on the Diepdaume Mines property.

A total of 314 samples were taken. Of these, 20 were bulk or grab samples from surface; and 294 were underground channel, muck or chute samples.

Surface stockpiles were sampled to determine whether these would provide mill-feed. The stockpiles sampled were: Cincinatti stockpile east, Cincinatti stockpile west, New York Porcupine stockpile east and Preston East Dome stockpile south. All proved to be too low grade for the mill.

In the surface trenches, the area 400 feet south of the southeast end of Simpson Lake gave grab samples ranging from 0.005 ozs. gold per ton to 0.20 ozs. gold per ton.

In the Main Shaft area, chip samples near the stations on the 550 and 675 levels gave relatively high assays ranging up to 6.10 ozs. gold per ton. (Assay sheets 5 and 6) These are within the relatively high grade shaft ore pillar on the Main Shaft, which contains 42,000 tons with a grade of 0.35 ozs. gold per ton.

Sampling of the 550 level - 500 main drift west in the Main Shaft area gave only slight encouragement (Assay sheets 10, 11, and 12).

In the New York Porcupine Shaft area, drifts, cross-cuts and partially mined stopes were re-sampled on the 250 and 375 levels to see if the quartz veins would prove economic at the present price of gold (approximately $400 per ounce); and some of the results of this sampling proved encouraging and merit further investigation. (Figures 9, 10, 11, 12 and 13).

Samples from 6 chutes in 260 stope proved to be exceptionally high grade - ranging from 0.158 ozs. gold per ton to 0.956 ozs gold per ton - with samples from 4 of the 6 chutes assaying above 0.50 ozs. gold per ton. This material must have sloughed off the walls of the stope. The stope will be examined in detail (Assay sheet 14 - samples 1348 to 1353).

In this same area, 260A drift indicated 5 veins with good grade or high grade gold assays (0.473, 2.90, 0.119, 0.162 and 5.27 ozs.), Sheet 19.

Also quartz veins in 267 drift gave significant assays, indicating that the walls of this drift should be slashed and the extensions of the veins opened up. (Assay sheet 14 - Samples 1355 to 1366 and 1373), Figure 11.

Finally, on the 250 level, 203W cross-cut south west (Figure 9) returned significant assays in a series of channel samples (Samples 1379 to 1394 - Sheet 15). These channels were all across 5 foot widths. Further development is indicated for this area.

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METALLURGICAL TESTING

A series of tests were conducted on Diepdaume's underground ore and old tailings, to study the amenability of these materials by the use of flotation.

Tailings with a gold content in the range of 0.006 to 0.01 ozs. per ton yielded rough concentrates averaging 0.03 ozs. per ton, with recoveries ranging from 17 to 36 per cent.

Further testing is necessary and has been planned for these materials.

Underground ore was also subjected to flotation tests. Samples with a gold content in the range of 0.014 to 0.03 ozs./ton yielded rough concentrates averaging 0.25 ozs. per ton with recoveries up to 65 per cent.

Samples with a gold content in the range of 0.07 to 0.09 yielded concentrates averaging 1.5 ozs. per ton with recoveries up to 80 per cent.

Samples with a gold content of 0.2 ozs. per ton yielded rough concentrates assaying over 5 ozs. per ton gold, with recoveries up to 92 per cent.

Finally, high grade samples in the range of 0.4 to 0.6 ozs. per ton of gold, yielded concentrates in the 15 ozs. per ton range with recoveries up to 96 per cent.

No attempt was made at recovering elemental gold by gravity previous to flotation.

Further testing on these materials is presently being conducted.

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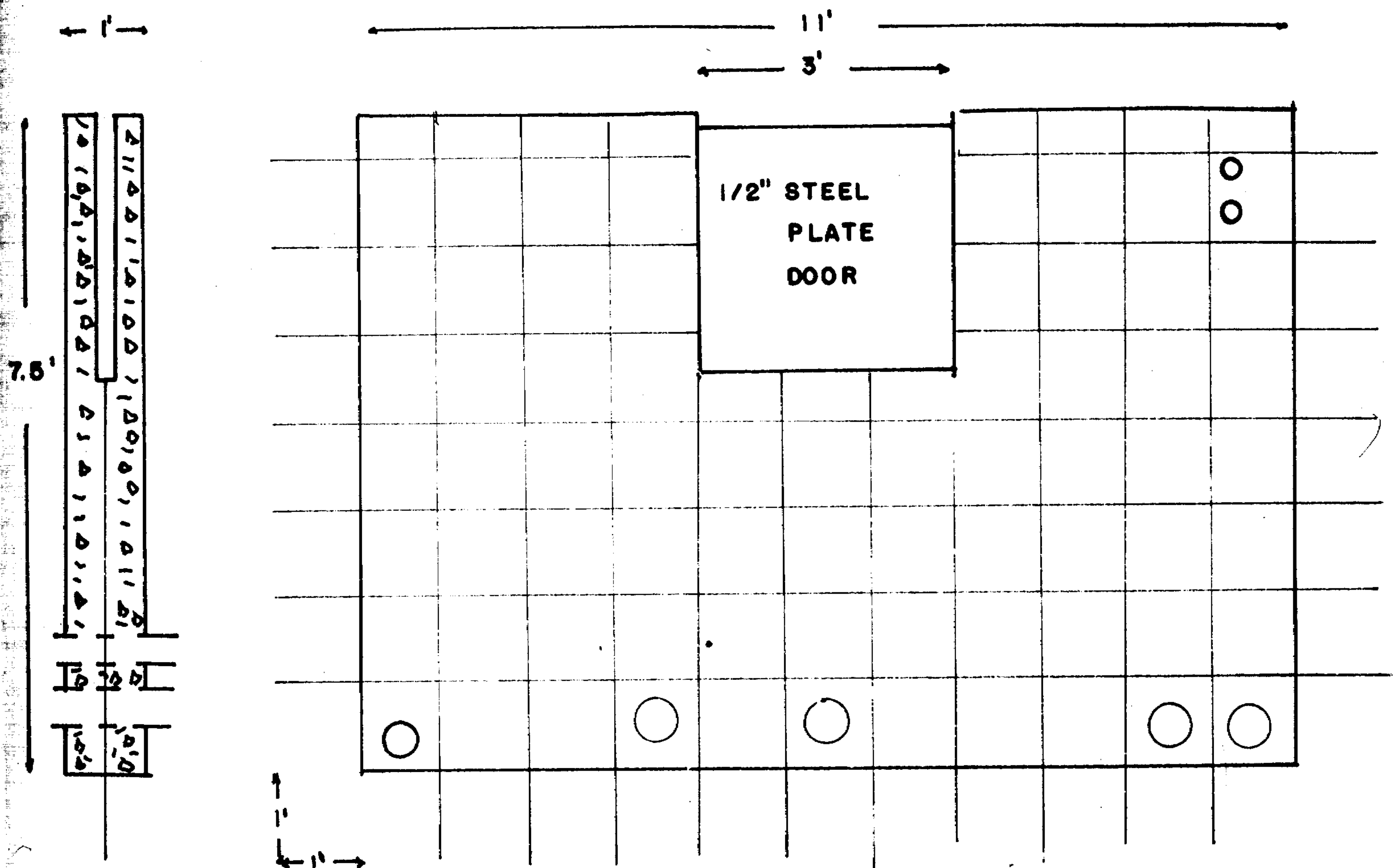
5 TH LEVEL DAM



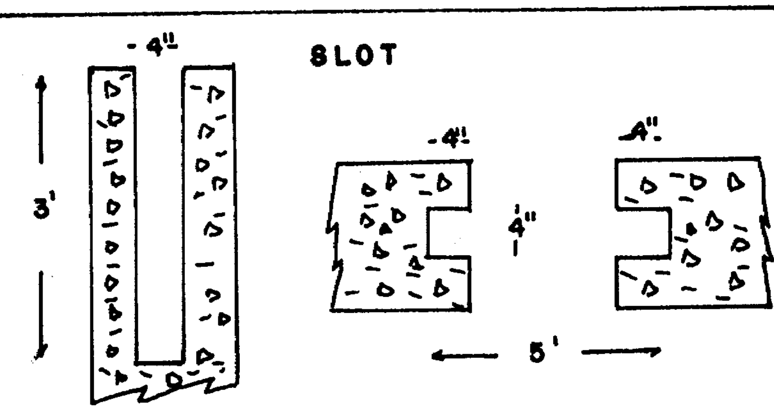
NU 5 RE-BAR, ANCHORED 1' INTO FLOOR AND WALL

5 – 4" STANDARD PIPE, VIC. ENDS

2 – 6" STANDARD PIPE, VIC. ENDS

NOV 17-82

M Plazg



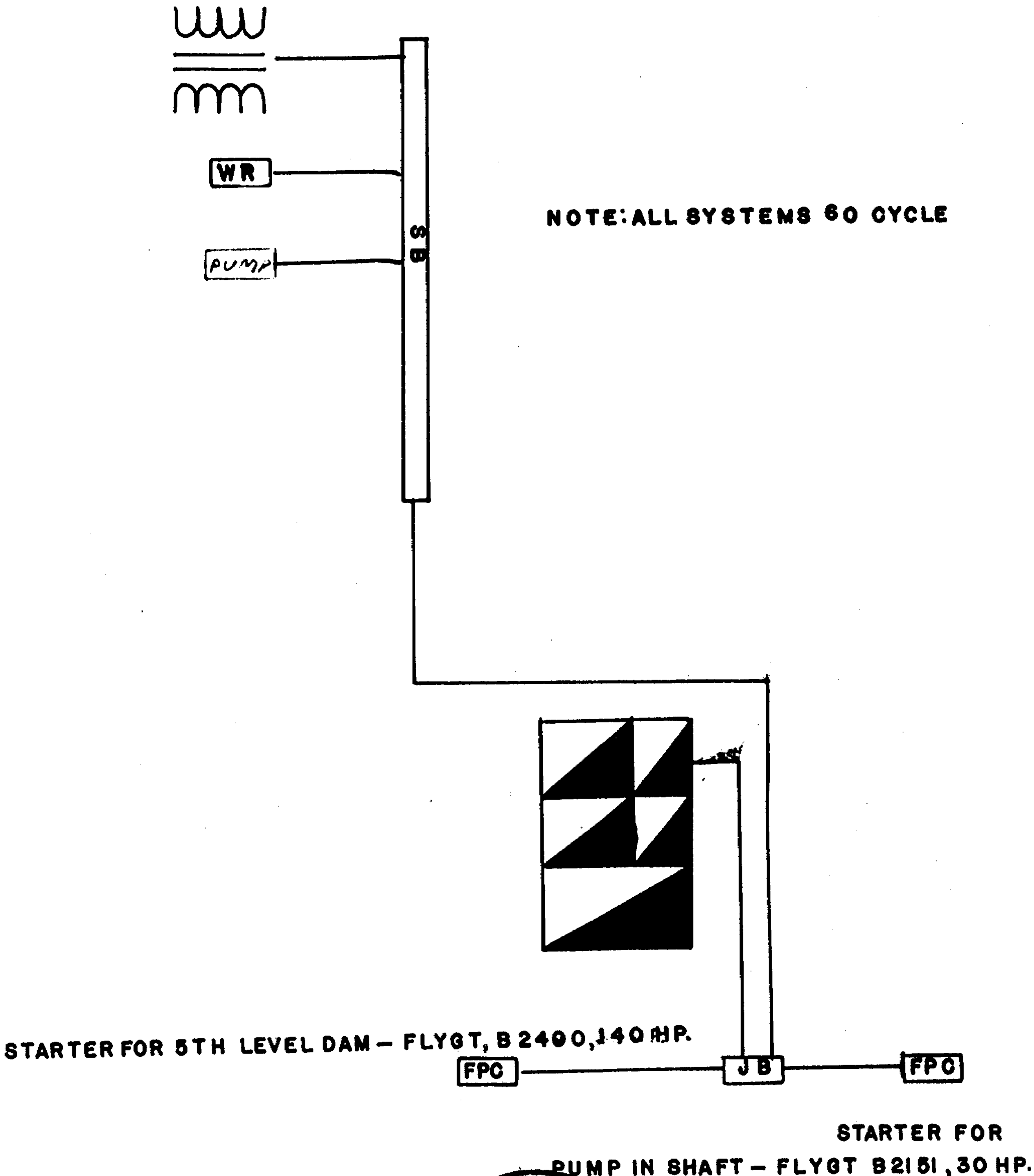
NO SCALE

FIGURE 8

63.4209

LOCATION DIEPDAUME MINES LTD.			
FT. DR.		SCALE	1" = 2'
TONS		DRAWN	MP
MACH. S.		CHECKED	
DATE	FEB 9/82	DWG. NO.	U – S – 5

ELECTRICAL DISTRIBUTION 5TH LEVEL DAM



JB – JUNCTION BOX

SB – SPLITTER BOX

FPC – FLYGT FPC 80 CONTROL SYSTEM

WR – WELDING RECEPTICAL

REGISTERED PROFESSIONAL ENGINEER
H. A. PEARSON
PROVINCE OF ONTARIO

FIGURE 8A

63.4209

LOCATION	DIEPDAUME MINES LTD.		
FT. DR.		SCALE	NONE
TONS		DRAWN	MP
MACH. S.		CHECKED	
DATE		DWG. NO.	USE 5

SHERIDAN GEOPHYSICS LTD.

~~TEXMONT~~ MINE PROJECT

DIEPDAUME

NOV - 2 1982

ASSAY REPORT

DATE October 18, 1982.

CINCINATTI STOCKPILE

SAMPLE NO.	DESCRIPTION	AU ~~% Nil~~ oz/m ton	%	%	%
1201	Cincinatti Stockpile West	0.031			
1202	"	0.040			
1203	"	0.011			
1204	"	0.015			
1205	"	.011			
1206	Cincinatti Stockpile East	0.108			
1207	"	0.020			
1208	"	0.090			
1209	"	0.007			

Assayer Marie Shebenjak

SHERIDAN GEOPHYSICS LTD.

~~TEXMONT~~ MINE PROJECT
DIEPDAUME

ASSAY REPORT

DATE October 18, 1982.

NEW YORK PORCUPINE

SAMPLE NO.	DESCRIPTION	AU ~~% Nil~~ oz/m ton	%	%	%
1211	N.Y.P. Stockpile East	0.0[illegible]7			
1212	"	0.0571			
1213	"	0.011			
1214	"	0.027			

Assayer Marie Shelenpak

3

SHERIDAN GEOPHYSICS LTD.

~~TEXMONT~~ MINE PROJECT

DIEPDAUME

ASSAY REPORT

DATE October 18, 1982.

PRESTON EAST DOME

SAMPLE NO.	DESCRIPTION	AU ~~% Nil~~ oz/m ton	%	%	%
1215	P.E.D. #1 Stockpile South	0.145			
1216	"	0.011			
1217	"	0.020			

Assayer Mario Shelenjak

SWASTIKA LABORATORIES LIMITED
P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

4

Certificate No. 53299 Date: May 12 1982

Received May 6 1982 3 Samples of Ore

Submitted by Diepdaume Mines Ltd., Timmins, Ontario

SAMPLE NO.	GOLD Oz./ton
GRAB-1	0.20
-2	0.002
-3	0.005

SURFACE TRENCH

Per G. Lebel
G. Lebel - Manager

ESTABLISHED 1928

5

SHERIDAN GEOPHYSICS LTD.

~~TEXMONT~~ MINE PROJECT
DIEPDAUME

ASSAY REPORT

DATE October 18, 1982.

DIEPDAUME-FIFTH LEVEL

SAMPLE NO.	DESCRIPTION	AU ~~% Nil~~ oz/m ton	%	%	%
1	Fifth Level	6.10			
2	"	0.07			
3	"	1.03			
4	"	0.12			

Assayer [illegible]

6

SHERIDAN GEOPHYSICS LTD.

~~TEXMONT~~ MINE PROJECT
DIEPDAUME

ASSAY REPORT

DATE October 18, 1982.

DIEPDAUME-SIXTH LEVEL

SAMPLE NO.	DESCRIPTION	AU ~~% Nil~~ oz/m ton	%	%	%
1	Sixth Level	0.08			
2	"	0.04			
3	"	0.206			

Assayer [signature]

SWASTIKA LABORATORIES LIMITED
P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

7

Certificate No. 52930 Date: January 7 1982

Received Jan. 7/82 2 Samples of Ore

Submitted by Diepdaume Mines Ltd., Timmins, Ontario

SAMPLE NO.	GOLD Oz./ton				
1612	0.09	203	S.DR.	L.W.	EAST
1613	0.23	\	\	R W	WEST

Per G. Lebel
G. Lebel - Manager

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

8

Certificate of Analysis

Certificate No. 53193

Date: April 2 1982

Received Mar.26/82 3 Samples of Ore

Submitted by Diepdaume Mines Ltd., Timmins, Ontario

SAMPLE NO.	GOLD Oz./ton			
1614	2.38	555 DR	LW	4'
1615	0.03	\	RW	2.5'
1616	0.14	555 W. DR + 555 DR		2'

Per G. Lebel

G. Lebel - Manager

ESTABLISHED 1928

SWASTIKA LABORATORIES LIMITED
P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

9

Certificate No. 53210 Date: April 6 1982

Received Mar.31/82 5 Samples of Ore

Submitted by Diepdaume Mines Limited, Timmins, Ontario

	SAMPLE NO.	GOLD Oz./ton			
	[redacted]				
	1617	0.09	552 DR	R.W	5'
	1618	0.04	\ \	LW	6'
	1619	0.12	552DR+X/C	RW	3'
	1620	0.005	5 LEVEL OPC	GRAB	COARSE
1621	no number	0.04	\ \ \	\	FINES

Per G. Lebel
G. Lebel - Manager

ESTABLISHED 1928

SHERIDAN GEOPHYSICS LTD.

DIEPDAUMEMINE PROJECT

10

ASSAY REPORT

DATE DEC 10, 1982

PRESTON EAST DOME

SAMPLE NO.	DESCRIPTION	Au oz/ton.		%	%
2401	500DR MAIN DR. WEST	0.005	0 W		
2402		0.009	5 W		
2403		0.061	10 W		
2404		0.038	15 W		
2405		0.007	35 W		
2406		0.157	40 W		
2407		0.173	45 W		
2408		0.045	50 W		
2409		0.089	55 W		
2410		0.070	60 W		
2411		0.011	115 W		
2412		0.001	120 W		
2413		NIL	125 W		
2414		NIL	130 W		
2415		0.002	135 W		

Assayer Gwk

SHERIDAN GEOPHYSICS LTD.

DIEPDAUME MINE PROJECT

11

ASSAY REPORT

DATE — DEC. 11, 12, 13/8.

PRESTON EAST DOME

SAMPLE NO.	DESCRIPTION	Au ~~[illegible]~~ oz/ton		%	%
2416	500 DR M. DR. W.	NIL	140 W		
2417		NIL	145 W		
2418		0.005	150 W		
2419		0.017	155 W		
2420		NIL	160 W		
2421		0.016	165 W		
2422		NIL	180 W		
2423		NIL	185 W		
2424		NIL	190 W		
2425		NIL	195 W		
2426		NIL	200 W		
2427		NIL	205 W		
2428		NIL	210 W		
2429		NIL	215 W		

Assayer GWR.

SHERIDAN GEOPHYSICS LTD.
DIEPDAUHE MINE PROJECT

/2

ASSAY REPORT

DATE DEC 16, 1982

PRESTON EAST DOME

SAMPLE NO.	DESCRIPTION	Au ~~% Ni~~ oz/ton		%	%
2430	P.E.D. 500DR M.DR.W.	NIL	220 W		
2431	P.E.D.	NIL	225 W		
2432	P.E.D.	0.002	230 W		
2433	P.E.D.	0.014	235 W		
2434	P.E.D.	NIL	240 W		
2435	P.E.D.	NIL	245 W		
2436	P.E.D.	NIL	250 W		
2437	P.E.D.	0.019	255 W		
2438	P.E.D.	NIL	260 W		
2439	P.E.D.	NIL	265 W		
2440	P.E.D.	NIL	270 W		
2441	PED	NIL	275 W		
2442	PED	0.002	280 W		
2443	PED	NIL	285 W		
2444	PED	NIL	290 W		
2445	PED	NIL	295 W		
2446	PED	NIL	300 W		
2447	PED	0.005	305 W		

Assayer [signature]

DIE DAUME MINES LTD.

SAMPLE RECORD

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NE EA	SAMPLE NO.	WORKING PLACE	SAMPLE LOCATION	WIDTH FEET	DESCRIPTION	GRADE AU/OZ/TON
nc.	1301	558 x/c				0.02
"	1302	"				0.003
"	1303	"			Broken muck	0.02
"	1304	"	558x c & 579 x/c fork		"	0.036
"	1305	579 x/c	579 x/c & 5798 x/c fork		"	0.016
"	1306	558 x/c	50' from 210		50% quartz & 50% pyrite, left wall.	0.016
Y.P	1307	x/c east	refer to 250 level assay pl		Broken muck	0.09
"	1308	"	5' from face off 906 wall, right wall.		Selective	0.028
"	1309	x c south	Face, old 900.	4'	Quartz, tourmaline vein.	0.024
"	1310	x/c east	Breast.	2'	Quartz, tourmaline, stringer network.	0.09
"	1311	x/c east	Face.	3'	60 quartz & tourmaline	0.008
"	1312	x/c north			Broken muck	Nil
"	1313	224 s. dr.	South face, old 306	3'	Quartz & tourmaline rolling into contact.	0.032
"	1314	"	Right west corner to south face, old 303.	5.5'	60% quartz, tourmaline & volcanics.	0.016
"	1315	"	Drift most easterly by 250 winze.	1.5'	Pyrite, graphite, talc & shist.	0.013
"	1316	250 winze xc	Leftwall, face, north.	4.0'	Quartz & tourmaline	0.003
"	1317	"	Right wall.	4.0'	"	0.072
"	1318	275 drift	Right pile face south.		Broken muck.	0.032
"	1319	"	Left pile face south.		"	0.946
"	1320	267 drift	Right wall, 267 drift & 268 drift y.	7.0'	Quartz & tourmaline.	0.095
"	1321	274 x/c	On vein face.	0.5"	Quartz & tourmaline.	0.048
"	1322	260 A drift	Drift face upper left.	1.0'		0.[illegible]48
"	1323	x/c	By 250 winze.		Chute.	0.02
"	1324	375, #6 west	Drift, face.	6.0'	Quartz, stringer.	0.06
"	1325	"	Right wall by y, 375 #6 west, 375 #1 x c.	1.0'	"	0.06
"	1326	360 west dr.	#3 chute.		Grab.	0.978
"	1327	375 4 x/c	#1 chute.		"	0.02
"	1328	375 west x/c	#2 chute.		"	0.01
"	1329	375 4 w. x/c	Drift, face.			Nil
"	1330	360 East dr.	#1 chute.		Grab.	0.0 8
"	1331	375 #5 south	Drift face, old 675.			Nil
"	1332	"	Right wall, old 676.			0.003
"	1333	375 #5 north	Right wall, old 600.	2.0'	Stringers.	0.006
"	1334	375 #4 east	#1 chute.		Grab.	0.034
"	1335	375 #4 west Stope.	Stope, raise, far west, right wall.	3.0'	0.2' quartz and tourmaline.	0.072

DIE JAUME MINES LTD.

SAMPLE RECORD

14.

	SAMPLE NO.	WORKING PLACE	SAMPLE LOCATION	WIDTH FEET	DESCRIPTION	GRADE AU/OZ/TON
(P	1336	375 #4 w. st	St. rse., far w., left wall	2.0'	0.2' quartz and tourmaline.	0.064
"	1337	"	St. rse., far w., footwall		"	0.195
"	1338	561 A drift.	Drift, face, old 610.	2.0'	Quartz and pyrite.	Nil
"	1339	375 #3 east	Drift, face, old 979.	"		Nil
"	1340	"	Right wall, 31' from face.	1.0'	On vein.	Nil
"	1341	"	Left wall, 21' from face.	1.5'		Nil
"	1342	375 #4 stope	Left wall above opc., 1'fr. face.		Stringers.	0.017
"	1343	375 #4 stope	4' from left wall, 4' from face.	6"	Vein ft. w.	0.034
"	1344	375-4 E.ST.	10' from left wall, 3.0' from face.	6"	On vein.	0.059
"	1345	"	15' from left wall, face.	2.5'	Stringers	0.0591
"	1346	"	12' fr. 375 #4 east, 2.5' from 375, 5 north.	2.0'	Stringers on back.	0.094
"	1347	375-4 W. ST.	1st. chute west.		Grab.	0.065
"	1348	260 drift.	#6 chute.		Grab.	0.158
"	1349	260 drift.	#5 chute.		Grab.	0.763
"	1350	"	#4 chute.		"	0.892
"	1351	"	#3 chute.		"	0.956
"	1352	"	#2 chute.		"	0.183
"	1353	"	#1 chute.		"	0.575
"	1354	375-5 south	face.	3.5'	Quartz, stringer lower left	0.013
"	1355	Corner 202 x/c, 267 Dr.	Old 212, 9.6 from 399 6 Sta	1.0'	0.5' quartz, tourm, string.	0.305
"	1356	267 dr. r.w.	12' west of 3996	1.5'	Quartz stringers.	0.034
"	1357	"	"	1.0'	Quartz, tourmaline, 0.4'	0.128
"	1358	"	15' west of 3996	3.0'	Quartz, tourmaline.	0.145
"	1359	267 Dr., LW.	"	3.5'	Wall rock & stringer.	0.004
"	1360	267 Dr., RW.	18' west of 3996	1.5'	Quartz and tourmaline.	0.043
"	1361	267 & 204 Dr	Back 27' west of 3996	3.0'	" " "	0.178
"	1362	267 dr. R.Wl	30' west of 3996	1.5'	Stringers.	0.045
"	1363	"	35' west of 3996	2.[illegible]'	"	0.191
"	1364	267 Dr. L.Wl	28' west of 3996	1.0'	0.2 Stringer, quartz.	0.085
"	1365	"	30'west of 3996	2.0'	"	0.008
"	1366	267 Dr. back	3' west of 3996	3.0'	2 parallel stringers and smaller inside.	0.178
"	1367	202 xc. back	9' north of 3996	1.5'	Stringer 0.2', quartz.	0.008
"	1368	202 xc. R.Wl	11' north of 3996	3.5'	Stringers.	0.387
"	1369	267 E.Dr.RWL	23' east of 3996	2.0'	0.5 quartz, possible contact	0.007
"	1370	555 Stope	10' far left wall, top st.	2.5'	Vein & stringers, face east.	0.004
"	1371	"	5' far left wall, top stope	2.6'	Vein, face east.	0.[illegible]3
"	1372	"	At left wall	2.0'	Vein, face east.	0.[illegible]8

DIE)AUME MINES LTD.

SAMPLE RECORD

15

E A	SAMPLE NO.	WORKING PLACE	SAMPLE LOCATION	WIDTH FEET	DESCRIPTION	GRADE AU/OZ/TON
P	1373	267 Dr. RWL.	Face east, opposite 470 rse	0.8'	Quartz and visible gold.	1.36
"	1374	"		5.0'	Stringer.	0.003
"	1375	"		1.3'	Qtz. and tourm., conj. 1374	Nil
"	1376	"		3.0'	Quartz stringers.	0.039
"	1377	"		Hort. 1.5'	Tourm-stringer, .25-.5 spec	0.003
"	1378	203W.xc.SW.	73.5' west of station	5.0'	Volcanics, old 785	0.021
"	1379	"	68.5' "	"	" old 784	1.35
"	1380	"	63.5' "	"	" old 783	0.161
"	1381	"	58.5' "	"	" old 782	0.026
"	1382	"	53.5' "	"	" old 781	0.064
"	1383	"	48.5' "	"	" old 780	0.333
"	1384	"	43.5' "	"	" old 867	0.008
"	1385	"	38.5' "	"	" old 866	Nil
"	1386	"	33.5' "	"	" old 865	0.004
"	1387	"	28.5' "	"	" old 864 Onstr.3/4"	0.004
"	1388	"	23.5' "	"	" old 939	0.004
"	1389	"	" "	"	" old 938	"
"	1390	"	" "	"	" old 937	"
"	1391	"	" "	"	" old 936	"
"	1392	21.5	" "	"	" old 935	0.008
"	1393	203xc. S.W.	18.5' from station	"	"	0.008
"	1394	"	13.5' "	"	"	0.387
"	1395	"	8.5' "	"	"	0.016

DIE DAUME MINES LTD.

SAMPLE RECORD 16

E A	SAMPLE NO.	WORKING PLACE	SAMPLE LOCATION	WIDTH FEET	DESCRIPTION	GRADE AU/OZ/TON
P	2001	375#/RSE	375 /RSE. AT 200 Level	5'	E. wall All chipped	0.01
"	02	"	" "	5.2	RSE BK. with hammer	NIL
"	03	"	" "	5'	Vein FtWL.	0.01
"	04	"	200 Level - 5	0.4'	Vein Ft.WL	0.03
"	05	"	" "	4.6	WL. E.	TR
"	06	"	- 10	0.8	Vein in FtWL	0.04
"	07	"	"	4.3	HW. R.	0.01
"	08	"	-15	1.6	FW. Vein	0.05
"	09	"	"	3.4	HW.R.	0.01
"	10	"	-20	2.0	FW. Vein	0.02
"	[illegible]	"	"	3.1	HW.R.	TR
"	[illegible]	"	-25	2.2	FW Vein	0.02
"	13	"	"	2.8	HWR	TR
"	14	"	-30	2.0	FW Vein	0.09
"	15	"	"	2.2	HwR	TR
"	16	"	-35	1.0	Vein FW	0.03
"	17	"	"	4.8	HW.R	0.01
"	18	"	-40	1.4	FW Vein	0.10
"	19	"	"	3.1	HWR	0.01
"	20	"	-45	2.0	FW Vein	0.29
"	21	"	"	2.9	HWR	0.01
"	22	"	-50	2.0	FW Vein	0.04
"	23	"	"	2.8	HWR	TR
4P	24	"	-55	1.3	FW	0.01
"	25	"	"	2.0	Vein	0.02
"	26	"	"	1.5	HW	Nil
	27	"	-60	1.7	FW	Nil
	28	"	"	1.0	Vein	0.18
	29	"	"	2.0	HW	TR
	30	360 ST	360ST BK. 5E of 375#/RSE	1.5	FW	0.01
	31	"	"	1.0	Vein	0.10
	32	"	"	1.5'	HW	0.01
	33	"	" BK 10'E RSE	1.5	FW	NIL
	34	"	"	10	Vein	0.10
	35	"	"	2.0	HW	0.01
	36	"	BK 15' E RSE	10	FW	0.01
	37	"	"	10	Vein	0.04
	38	"	"	1.5	HW	TR
	39	"	BK 20E RSE	1.1	FW	NIL
	40	"	"	10	Vein	0.04
	41	"	"	10	HW	TR
	42	"	BK 25' E RSE	10	FW	TR
	43	"	"	08	Vein	0.04
	44	"	"	20	HW	TR
	45	"	BK 30' E RSE	12	FW	0.01

DIE DAUME MINES LTD.

SAMPLE RECORD

17

S A	SAMPLE NO.	WORKING PLACE	SAMPLE LOCATION	WIDTH FEET	DESCRIPTION	GRADE AU/OZ/TON
4P	2046	360ST	BK 30' E RSE 375°/	1.0'	VEIN	0.02
	47	"	"	2.0	HW	0.01
	48	"	BK 35' " " "	0.5	FW	0.03
	49	"	"	1.3	VEIN	0.13
	50	"	"	2.4	HW	0.06
	51	"	BK 40' E RSE	1.0	FW	0.02
	52	"	"	2.1	VEIN	0.03
	53	"	"	1.0	HW	0.01
1P	2057	360ST	BK 45' E. OF 375°/ RSE	3.2	VEIN (VG)	0.10
	55		BK 50 " "	2.0	FW VEIN (VG)	0.02
	56		" " " "	1.6	HW VEIN	0.02
	57		BK 55 " "	2.3	FW	0.02
	58		" " "	0.8	VEIN	0.14
	59		" " "	0.8	HW	0.01
	60		BK 60 " "	1.5	FW	0.01
	61		" " "	0.9	VEIN	0.14
	62		" " "	1.5	HW	0.01
	63		BK 65 " "	1.2	FW	0.01
	64		" " "	0.5	VEIN	0.25
	65		" " "	2.3	HW	0.01
	66		BK 70 " "	0.8	VEIN	0.20
	67		" " "	3.0	HW	0.01
	68		MUCK PILE 5' E MWY		GRAB MUCK PILE	0.29
	69		" 10 W		" "	1.17
	70		" W. FACE		" "	0.04
	71		" " " "		" "	0.03
	72		FACE 70' EAST RSE	0.8	FW	NIL
	73		" " "	1.0	VEIN	0.05
	74		" " "	2.3	HW	NIL
	75		" " " -10' FR BK	1.2	VEIN	0.04
	76		" " "	2.5	HW	0.01
	77		" " 15' " "	1.0	VEIN	0.06
	78		" " " "	2.5	HW	TR
	79		375 ST W.F. BROW	1.0'	FW	NIL
	80		"	1.1	VEIN	0.12
	81			1.5	HW	NIL
	82		FACE BR+5	0.5	FW	0.003
	83		"	0.9	VEIN	0.007
	84			2.0	HW	NIL
	85		WEST FACE	5.0'	BK. STR.	0.047
	86		BROW 5' L. BACK	3.[illegible]	TR.	0.009
	87		10' E FACE	3.5	BK. STR.	0.123
	88		RSE R.R. BK. 15' E FACE	3.5	STR	0.002
	89		BR+5 W WALL RSE	0.6	FW. STR	0.007
	90		BR+5	0.8	VEIN	0.075

DIE DAUME MINES LTD.

18

SAMPLE RECORD

SAMPLE NO.	WORKING PLACE	SAMPLE LOCATION	WIDTH FEET	DESCRIPTION	GRADE AU/OZ/TON
2091		BR+5	3.3	HW. STR.	0.002
92		BR+5	0.8	FW. STR.	0.285
93		BR+10	1.5	VEIN	0.054
94		BR+10	2.8	H.W. STR	0.007
95		RSE FACE BR+15'	2.5	STR	0.050
96		\ \ BR+15	2.5	STR	0.020
97		EAST BR	1.0	FW	0.007
98		E. RSE BR	0.8	VEIN	0.354
99		\ \ \	2.5	HW STR	0.007

DIE DAUME MINES LTD.

SAMPLE RECORD

19

S A	SAMPLE NO.	WORKING PLACE	SAMPLE LOCATION	WIDTH FEET	DESCRIPTION	GRADE AU/OZ/TON
(P	1401	275 drift	0+00 raise, brow.		Quartz, tourmaline, muck.	Nil
"	1402	"	6' north.		"	0.021
"	1403	"	13' north.		"	0.004
"	1404	275A drift	Center line of track, 48' to face, 0+00 start.		"	0.056
"	1405	"	10' west.		"	0.212
"	1406	"	22' west.		Brown cross stain, abundant pyrite and quartz, 12" brown	Nil
"	1407	274 Dr. S. W	58.5' from 5669 station, 7' south, center line of track.	3.2'		0.056
"	1408	274 Dr. N. W	58.5' from 5669 station, at face.	2.5'		0.030
"	1409	268 raise	Below raise.		Muck.	0.047
"	1410	268 drift	22.9' - 47" for 5848 22.0' in		Muck.	0.069
"	1411	260 A drift	87' from 4014, stope 9' W'	2.0'	Quartz, tourmaline vein, SW	Nil
"	1412	"	"	4.0'	Hanging wall porp., S.W.	0.004
"	1413	"	14' west.	1.9'	Quartz, tourmaline vein, SW.	0.473
"	1414	"	"	3.6'	Hanging wall porp., S.W.	0.008
"	1415	"	19' west.	1.2'	Quartz, tourmaline vein, SW.	2.90
"	1416	"	"	4.7'	Hanging wall porp., S.West	0.021
"	1417	"	24' west.	5.0'	"	0.021
"	1418	"	21.6' west to 24' west.	2.4'	Hort. Special qtz.-tourm.-str. south west.	0.030
"	1419	"	29' west.	0.9'	Quartz, tourmaline vein, SW.	0.014
"	1420	"	29' west.	4.5'	Hanging wall porp. south w.	0.004
"	1421	"	34' west.	5.0'	"	0.021
"	1422	"	39' west.	5.0'	"	0.013
"	1423	"	44' west.	0.5'	Quartz, tourmaline vein, SW.	Nil
"	1424	"	44' west.	3.5'	Hanging wall porp., south w.	0.006
"	1425	"	49' west.	2.5'	Quartz, tourmaline, south w.	Nil
"	1426	"	49' west.	2.5'	Hanging wall porp., south w.	0.039
"	1427	"	54' west.	2.8'	Quartz, tourmaline, south w.	Nil
	1428	"	54' west.	3.5'	Hanging wall porp., south w	0.004
	1429	"	59' west.			
	1430	"	59' west.			
	1431	"	64' west.	2.0'	Quartz, tourmaline, south w.	0.119
	1432	"	64' west.	4.1'	Hanging wall porp., south w.	0.008
	1433	"	69' west.	1.0'	Quartz vein, south west.	0.162
	1434	"	69' west.	3.0'	Hanging wall porp., south w.	0.053
	1435	"	74' west.	1.6'	Quartz vein, south west.	5.27
	1436	"	74' west.	3.5'	Hanging wall porp., south w.	0.056

FIGURE 1

63-4209

PRESTON EAST DOME MINES LTD.

PLAN
1st LEVEL

200

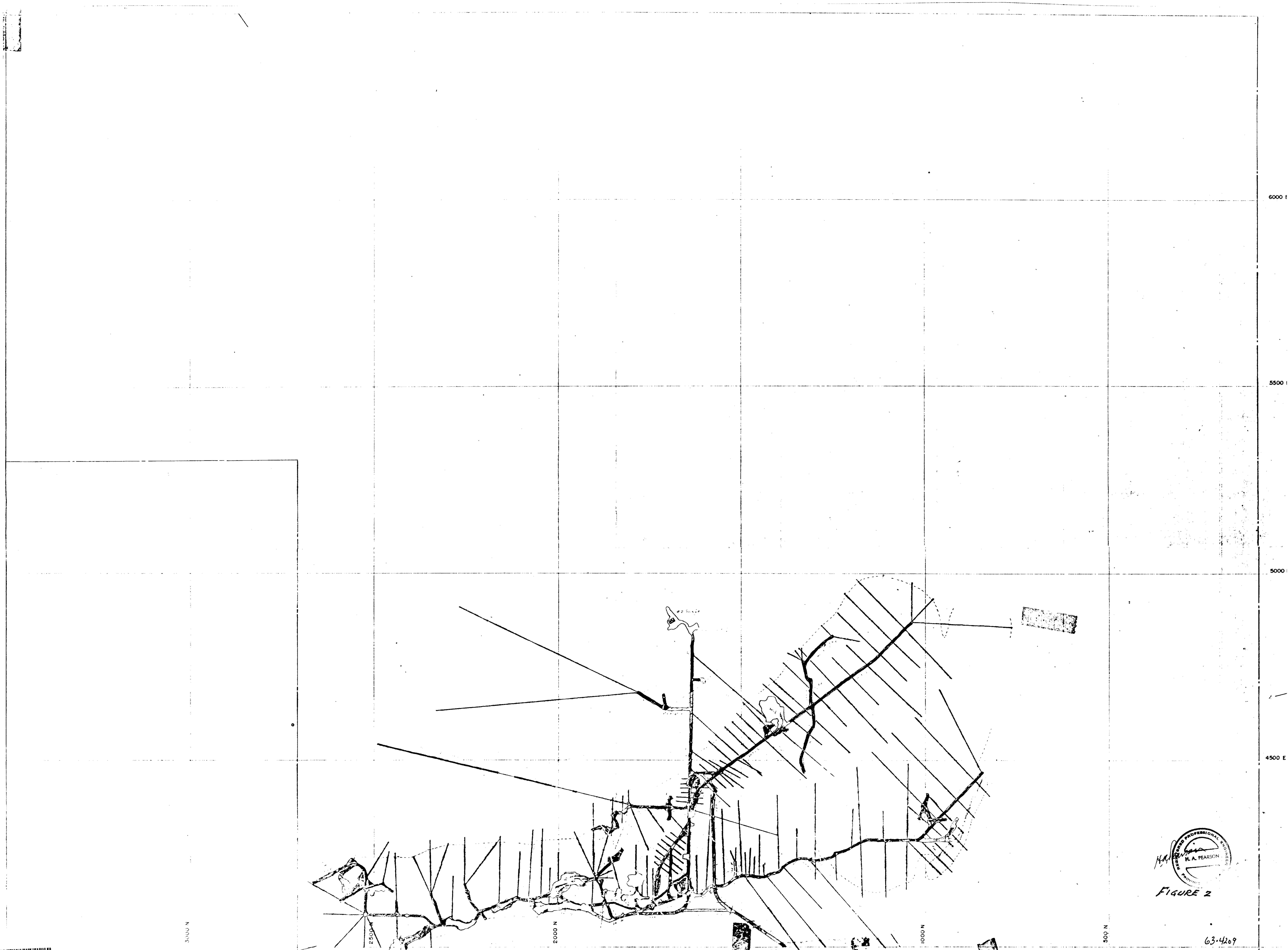


FIGURE 2

PRESTON EAST DOME MINES LT

2nd

42A06NE0283 63.4209 TISDALE

210

FIGURE 2A

63-4209

PLAN
250 LEVEL
NYP SECTION

PRESTON EAST DOME MINES LTD

230

PRESTON EAST DOME MINES LTD

GEOLOGICAL PLAN
3rd LEVEL

100'

FIGURE 3A

63.4209

GEOLOGICAL PLAN
375 LEVEL
N.Y.P. SECTION
1"=100'

PRESTON EAST DOME MINES LTD

240

FIGURE 4

63-4209

PRESTON EAST DOME MINES LTD

East Sheet
GEOLOGICAL PLAN
4th LEVEL
Scale 1"=100'

250

REGISTERED PROFESSIONAL ENGINEER
H. A. PEARSON
PROVINCE OF ONTARIO

FIGURE 4A

63·4209

1500 E

WEST SHEET
GEOLOGICAL PLAN
4th LEVEL
N.Y.P. SECTION

PRESTON EAST DOME MINES LTD

PRESTON EAST DOME MINES LTD

REGISTERED PROFESSIONAL ENGINEER
H. A. PEARSON
PROVINCE OF ONTARIO

FIGURE 5

63·4209
EAST SHEET
GEOLOGICAL PLAN
5th LEVEL

270

FIGURE 5A

63-4209

CENTRAL ~~WEST~~ SHEET
PLAN
5'th LEVEL
N.Y.P. SECTION

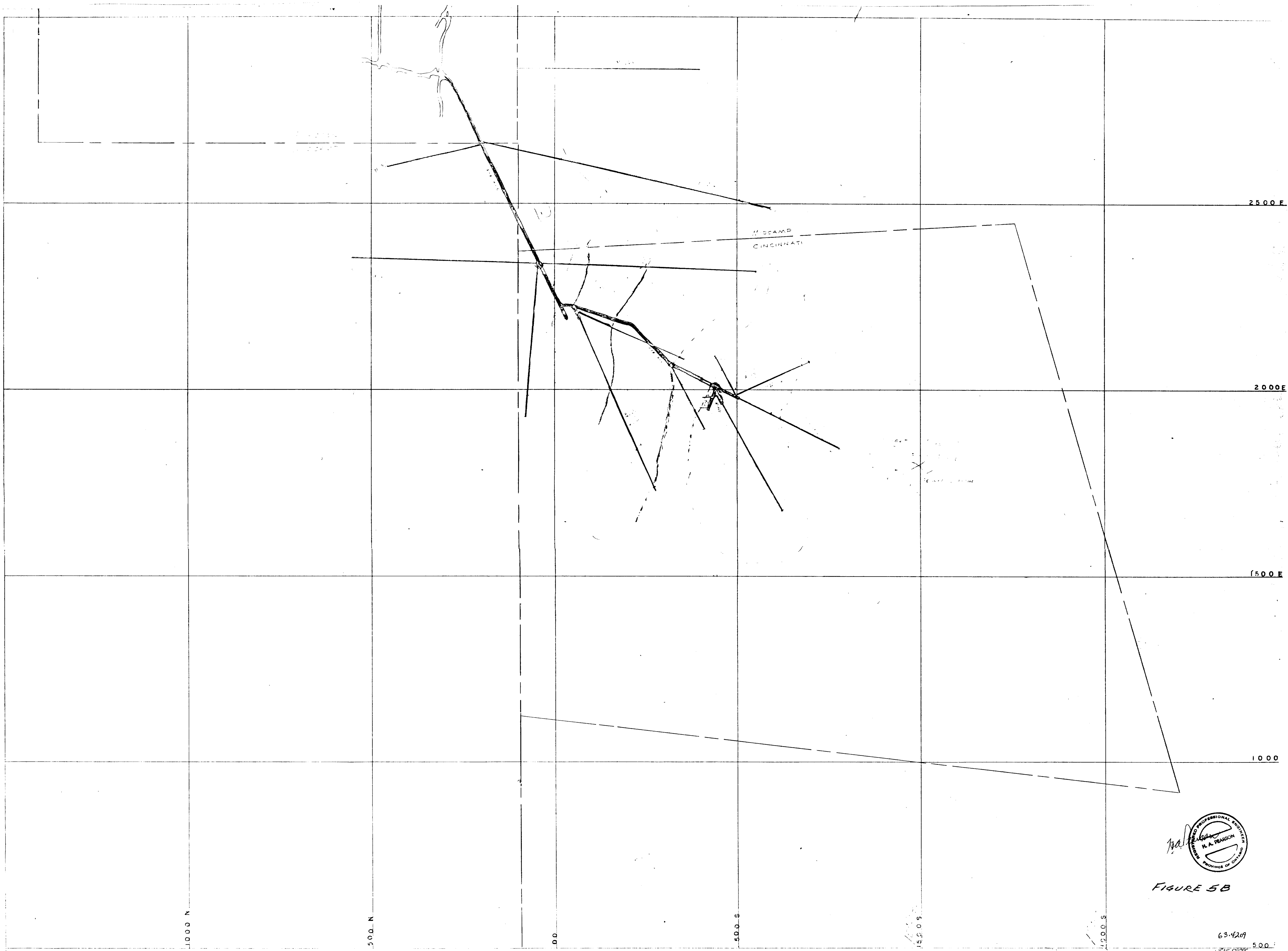


FIGURE 5B

REGISTERED PROFESSIONAL ENGINEER
H. A. PEARSON
PROVINCE OF ONTARIO

63.4209

PRESTON EAST DOME MINES LTD.

GEOLOGICAL PLAN
5th LEVEL
CINCINNATI
Scale: 1" = 100'

42A06NE0203 63.4209 TISDALE

290


6000 E
5500 E
4500 E
3000 N
2500 N
2000 N
1500 N
1000 N
500 N
Preston Por
FIGURE 6
H. A. PEARSON
63.4209
6th

300

FIGURE 6A

H. A. PEARSON
REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

63.4209

GEOLOGICAL PLAN
6th Level.
N.Y.P. SECTION.
1" = 100'

PRESTON EAST DOME MINES LTD.

310


SB 3PHASE, 600AMP· 600V
FROM MAIN POWER SOURCE
FD
GD
3PHASE, 30 AMP. 600V
COPPER GROUND WIRE HARD
SURFACE
POWER CABLE 250MCM SWARINJ
NOTE: ALL SYSTEMS 60 CYCLE
NO 2 SHAFT
JB
FD
3 PHASE, 4/0· 400 AMP· 600 V
2 LEVEL
200' ELEV.
POWER CABLE 4/0 SWAVCLC
3 PHASE, 30 AMP· 600V
JB
SB
FD
DRY TYPE, 1PHASE· 3KV· HV600· LV115/220
3 LEVEL
300' ELEV.
POWER CABLE 4/0 SWAVLC
JB
4 LEVEL
425' ELEV.
POWER CABLE 4/0 SWAVCLC
JB
TO PUMP STATION
5 LEVEL
550' ELEV.
JB
6 LEVEL
675' ELEV.
JB— JUNCTION BOX
SB— SPLITTER BOX
FD— FUSIBLE DISCONNECTOR
GD— GROUND DETECTOR
H. A. PEARSON
H.A. Pearson
FIGURE 4
63.4209
FACE SOUTH
ELECTRICAL DISTRIBUTION UNGDR.
SCALE: NONE
DATE: JUNE 15-82
DWG: UED
BY: M.P.
DIEPDAUME MINES LTD.

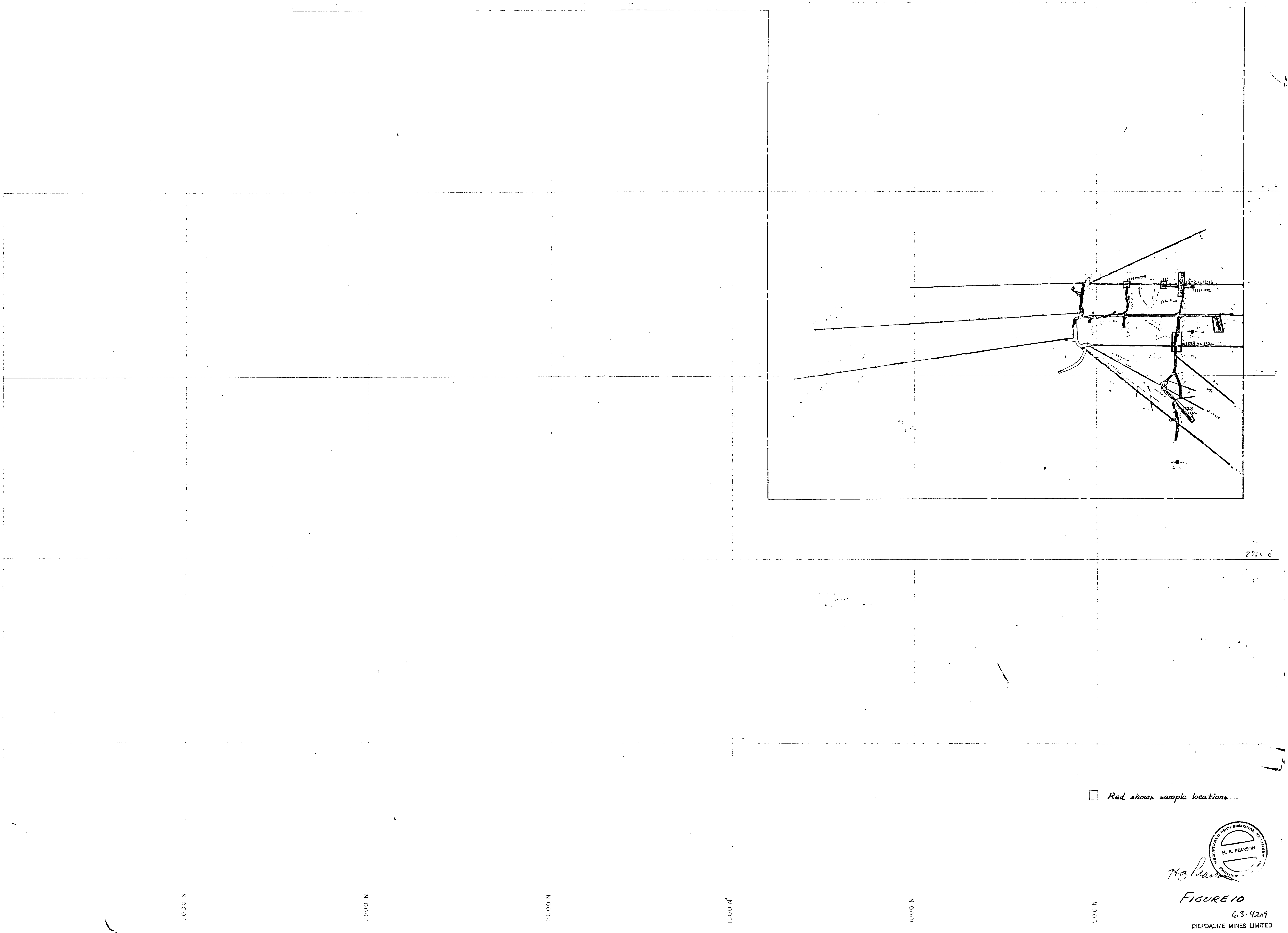
320

FIGURE 9

63-4209

H. A. PEARSON
REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

DIEPDAUME MINES LIMITED
PLAN
250 LEVEL
NYP SECTION



Red shows sample locations

REGISTERED PROFESSIONAL ENGINEER
H. A. PEARSON
PROVINCE OF ONTARIO

H. A. Pearson

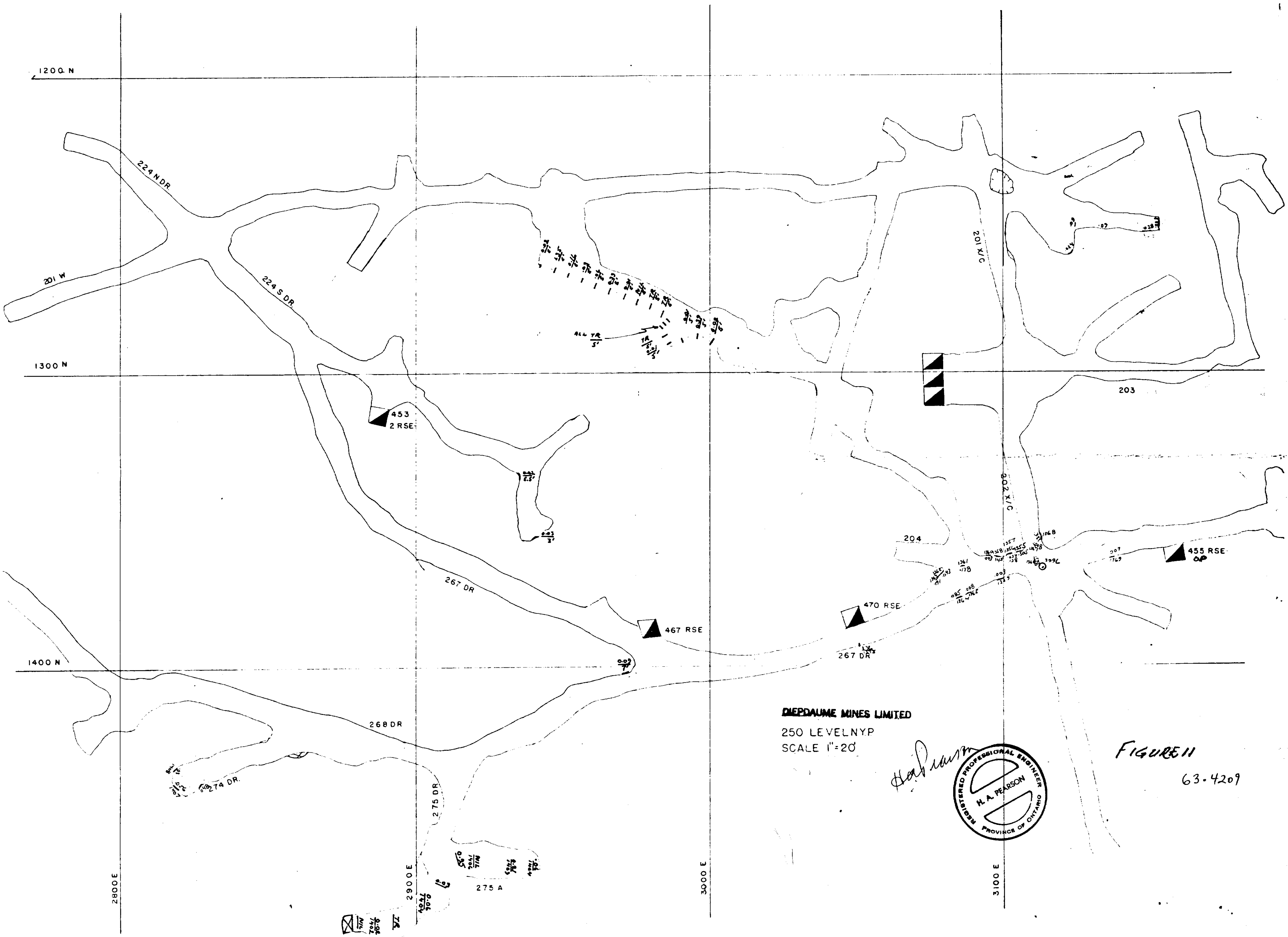
FIGURE 10

63.4209

DIEPDAUME MINES LIMITED

PLAN

340



DIEPDAUME MINES LIMITED

250 LEVEL NYP

SCALE 1"=20'

H. A. Pearson

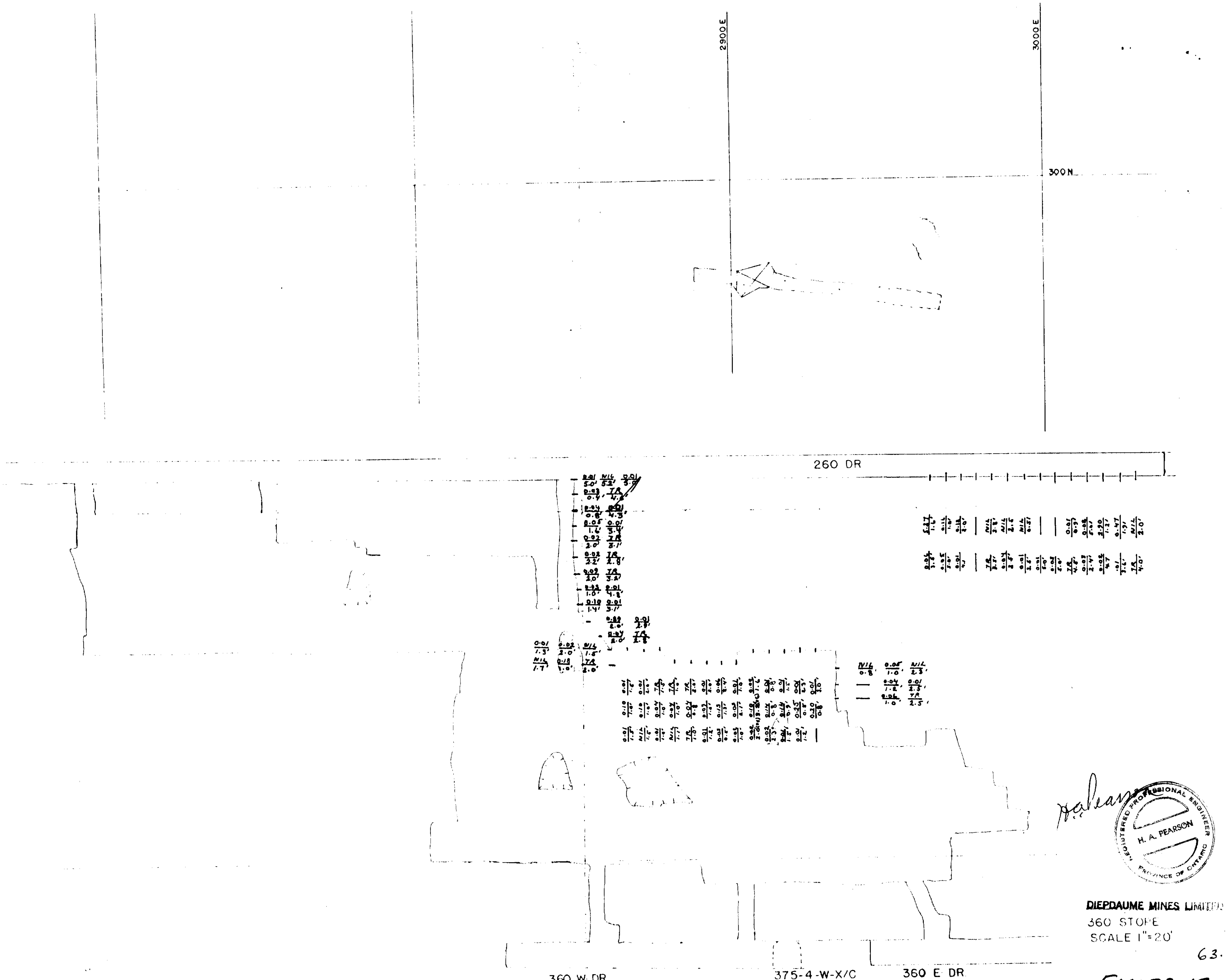
REGISTERED PROFESSIONAL ENGINEER
H. A. PEARSON
PROVINCE OF ONTARIO

FIGURE 11

63.4209

42A06NE0203 63.4209 TISDALE

350

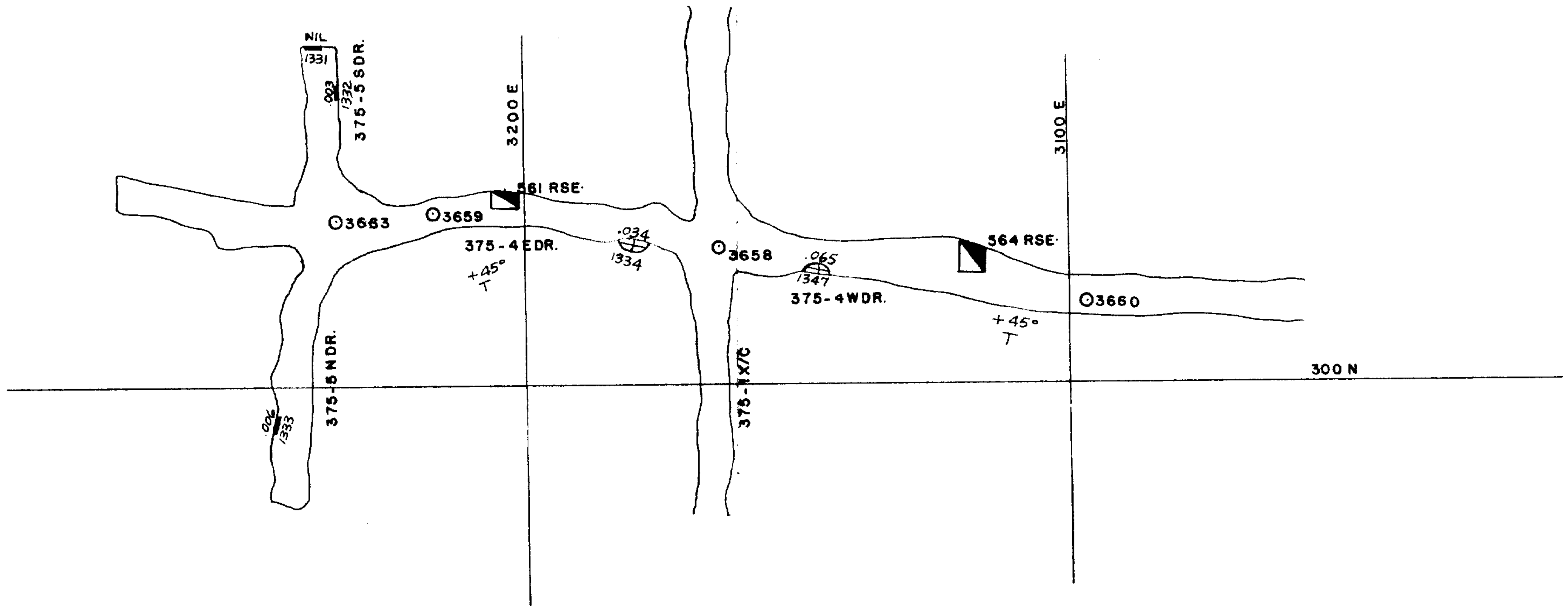


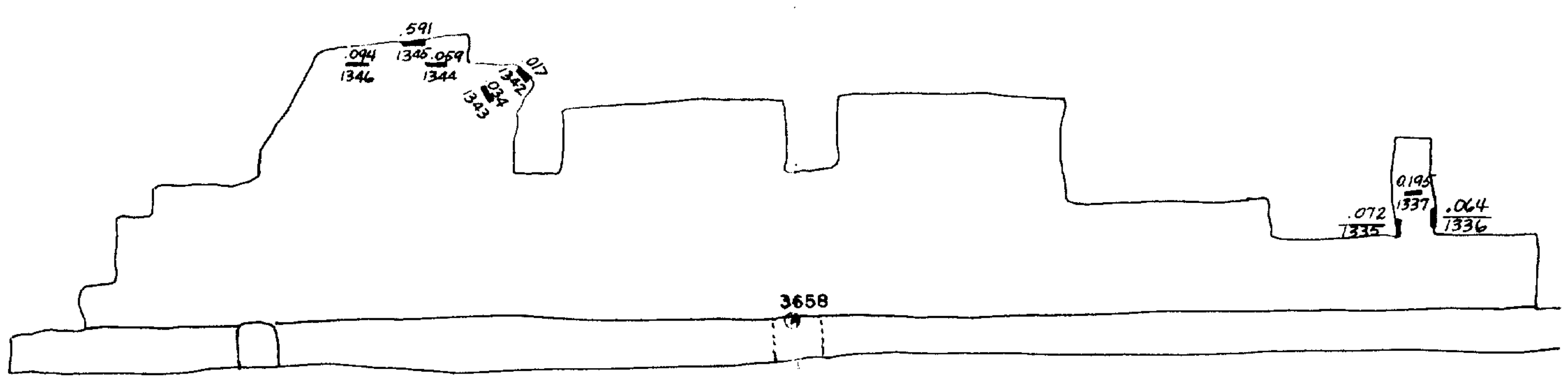
DIEPDAUME MINES LIMITED
360 STOPE
SCALE 1"=20'

63.4209

FIGURE 12

360



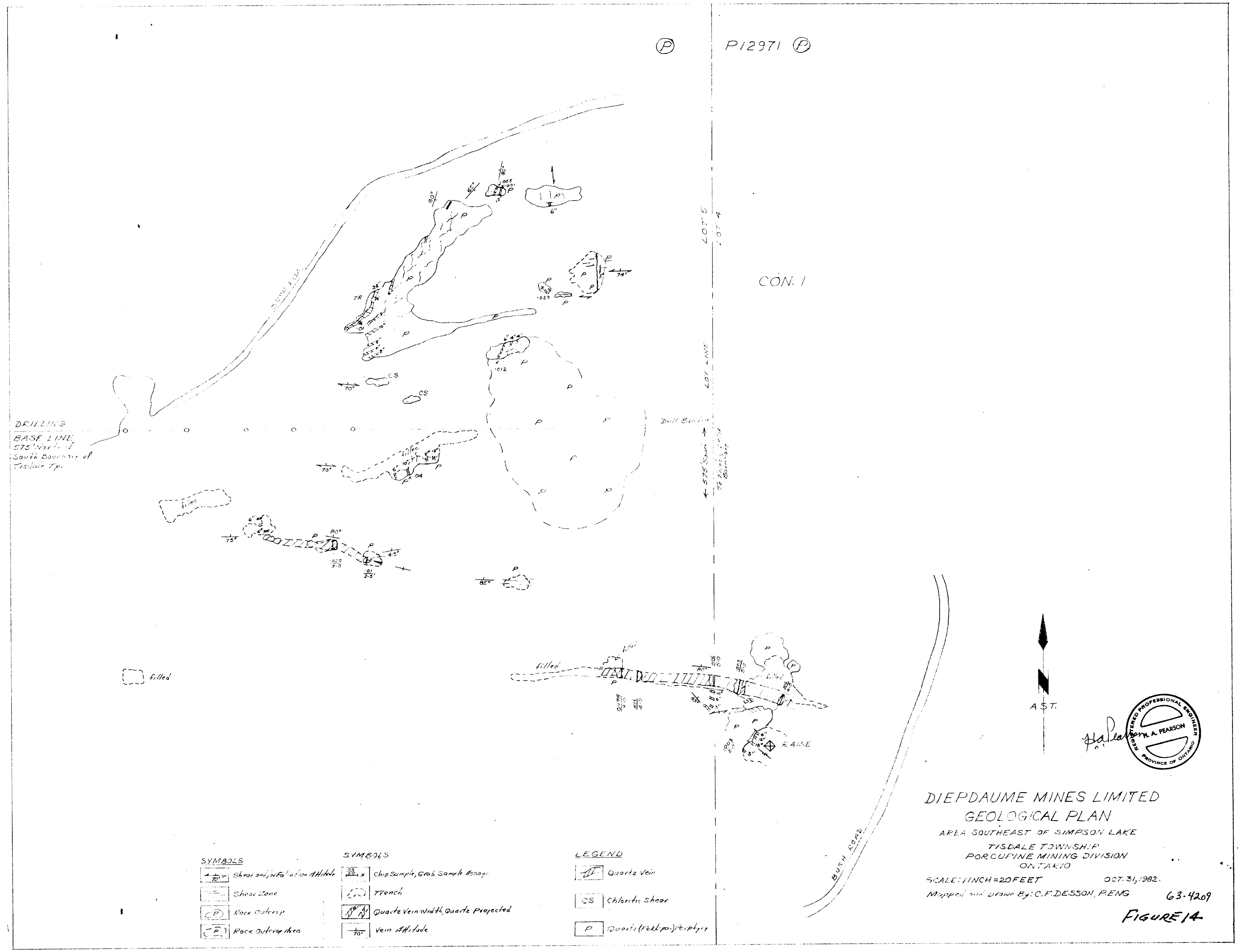


REGISTERED PROFESSIONAL ENGINEER
M.A. PEARSON
PROVINCE OF ONTARIO

FIGURE 13

63·4209

375-4-ST.
3RD LEVEL N.Y.P.
MAY 27-54
SCALE: 1" = 20'



42A06NE0203 63.4209 TISDALE

380

FIGURE 15

42A06NE0203 63.4209 TISDALE

390