

# DIEPDAUME MINES LIMITED

63-3985  
TELEPHONE 363-4477  
363-3933



42A06NE0202 63.3985 T1SDALE

EST  
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010

March 25th, 1982.

REPORT OF WORK COMPLETED ON THE TIMMINS  
AREA PROPERTY OF DIEPDAUME MINES LIMITED  
BETWEEN MARCH 15TH, 1981, AND DECEMBER  
31ST, 1981

## SURFACE WORK

### Line Cutting and Electromagnetic Survey:

Approximately 12 miles of line cutting and an E-M Survey on the Pres d'Or claims was done. The results of the E-M Survey are shown on the attached map.

### Summary of Results of the Exploration Programme

The Electromagnetic Survey revealed several Conductors of possible importance, the Conductors represent zones of poor to moderate conductivity and are similar to the response expected over zones carrying in the neighbourhood of 5 to 10 per cent sulphides.

In general, the Conductors are long continuous zones which also could represent structural features of major importance for exploration. One of the Conductors has old trenches located immediately south of the indicated Conductor.

### Summary of Recommendations

It is recommended that the property be held in good standing and that a future exploration programme on the property consisting of prospecting in detail in the vicinity of the indicated Conductors, together with detailed mapping of any known outcrops and trenching of the Conductor zones where overburden conditions permit to be followed by drilling if indications are positive, be carried out.

### Surface Trenching and Surface Drilling

An old trench was cleaned out and a new trench established together with three (3) short Winkie Diamond drill holes, to trace the Augdome Porphyry across the boundary from the area of Augdome drilling (see attached summary and maps).

March 25th, 1982

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Underground Work

The mine was dewatered to the 700 foot level. The shaft timbers were rehabilitated. Manways and ladders were made safe for man travel and the transfer of drilling equipment to the levels required. The drifts were inspected where possible and made safe for travel to the extent required for initial drilling.

In addition, an intensive review was commenced of the voluminous engineering and technical data now available on the upper levels. This data includes approximately the results of 2,000 drill holes and 10,000 samples. A model was constructed of the upper levels to facilitate a correlation of the technical data.

At the close of the year, the programme was sufficiently advanced that the drilling could be commenced immediately.

  
.....  
J. P. Sheridan, P. Eng.

JPS/n  
Attach.



# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis

Certificate No. 51951

Date: July 28, 1981

Received July 17, 1981 25 Samples of ore

Submitted by Diepdaume Mines Limited, Timmins, Ontario

CHANNEL	SAMPLE NO.	GOLD Oz./ton	TRENCH #2
	4	NIL	
	5	0.002	
	6	NIL	
	7	0.002	
	8	NIL	
	9	NIL	
	10	NIL	
	11	NIL	
	12	0.002	
	13	NIL	
	14	NIL	
	15	NIL	
	16	0.005	
	17	NIL	
	18	NIL	
	19	NIL	
	20	NIL	
	21	NIL	
	22	0.002	
	23	NIL	
	24	NIL	
	25	0.002	
	26	NIL	
	27	NIL	
	28	NIL	

DIEPDAUME MINES LIMITED

P.O. BOX 1392

TIMMINS, ONT.



ESTABLISHED 1928

Per G. Label  
G. Label, Manager



# SWASTIKA LABORATORIES LIMITED

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

## Certificate of Analysis

Certificate No. 51903

Date: July 23, 1981

Received July 13, 1981 3 Samples of ore

Submitted by Dierksome Mines Limited, Timmins, Ontario

CHANDLER  
SAMPLE

SAMPLE NO.	GOLD Oz./ton
TR-1	0.03
TR-2	NIL
TR-3	NIL

TR-1-101

DIERKSOME MINES LIMITED  
P.O. BOX 1392  
TIMMINS, ONT.  
P4N 7N2

Per G. Lebel  
G. Lebel, Manager

MEMOR



42A06NE0202 63.3985 TISDALE

020

TO: FILE  
RE: DIEPDAUME MINES LIMITED/AUGDOME PORPHYRY  
FROM: PJS  
DATE: MARCH 17/82  
Copy: P. Blunt

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A limited amount of surface trenching and three short Winkie drill holes were completed immediately inside our eastern boundry and immediately offsetting the gold mineralization discovered in the drilling program on the Augdome property.

The purpose of the exploration was to "trace" what is known as the Augdome Porphyry onto the Diepdome side of the boundry. Both the trench and the three supplemental drill holes located the Augdome Porphyry and revealed the Porphyry to be sparsely mineralized with sulphides.

Assays revealed no commercial gold mineralization.

Further work on this zone will await detailed structural interpretation of the drill results on the Augdome side of the boundry.

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JPS

Att - 1

BACK UP

Trenching was carried out both by us and by a contractor using a back-hoe.

The drilling was carried out by company personnel, utilizing our own Winkie drill.



42A06NE0202 63.3965 TISDALE

030

**Report of**  
**Work Performed**  
**on**  
**DIEPDAUME MINES LIMITED PROPERTY**  
**Tisdale Township**  
**Porcupine Mining Division of Ontario**  
**March 15 - December 31, 1981**

**H. A. Pearson, P.Eng.**

**January 18, 1983.**

**0M86 - PE81 - C - 81**



42A06NE0202 63.3985 TISDALE

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- B. Map No. 2, Drill Holes and Geological Section.
- C. Drill logs for holes D81-1, 2 and 3.



DIEPDAUME MINES LIMITED PROPERTY

Work Performed during the period  
March 15 - December 31, 1981

1. Summary

The work performed during the period March 15 - December 31, 1981 was a continuation of the mine rehabilitation program of the former Preston East Dome Mines Ltd. property, commenced in 1980 by Diepdaume Mines Limited. Surface exploration was also carried out.

On surface, the various shops (electrical, mechanical et cetera), were restored to full service capability to meet the needs of mine development. In addition, the reconstruction of the headframe was completed.

The underground phase of the operation consisted of dewatering, replacing ladders in the shaft manway, replacing shaft guides, installing an electrical and signal system, building and installing ventilation doors on levels, extending ventilation pipes, sealing and cleaning (mine debris) from level station areas, replacing timber floors on levels, installing turn-tables and water lines on level stations, lowering pumps at level intervals as work progressed, installing a 4-inch pump discharge and connecting it to the main shaft discharge line (an ongoing program to the 6th level).

The amount of water required to be pumped is excessive due to the proximity of the Porcupine Destor Fault and a branch fault to the south, Simpson Lake to the west, and a strong flow of water through underground workings from the idle, flooded Paymaster Mine to the west.

The main workings are in considerable disorder as left by previous operators and effected by the passage of time. Rehabilitation work must proceed with caution for safety's sake.

A skeleton workforce is maintained sufficient to carry out the planned program.

The surface exploration included the excavation of a large trench in overburden (glacial till) using a power shovel in an area of values intersected in surface drilling prior to 1936. The trench was hand cleaned to bedrock and channel sampled. Three holes were diamond drilled from collars within the trench proper.

... continued ...

General surface prospecting was conducted over the property in an effort to locate (or relocate) surface exposures of mineralized areas.

## 2. Property

The property is comprised of the former Preston East Dome Mines Limited which produced gold from 1938 to 1968. The mine was left in bad disorder and in an unsafe condition. Total rehabilitation to safe production standards will be extensive.

## 3. Location

The property is located in the south-east quadrant of Tisdale Township in the Porcupine Mining Division of Ontario. It adjoins the south side of Dome Mines Ltd., which is in full production.

## 4. Work Programs

The following work programs were carried out during the period:

### (a) Underground Rehabilitation

An ongoing program of rehabilitation commenced earlier, was carried out primarily in the main No. 2 Shaft and level station areas. The main areas of work are as follows:

1. Replaced ladders in the shaft manway compartment.
2. Replaced shaft guides in the cage compartment and in the skip compartment.
3. Replaced and secured areas of the tight lining in the shaft and skip compartments.
4. Installed an electrical power system for pumps, lights and signals.
5. Built and installed ventilation doors in level stations.
6. Extended auxiliary ventilation pipe to keep pace with rehabilitation.
7. Scaled and cleaned level station and areas of shaft, Removed old debris such as pipes, timber, et cetera, left piled and strewn on previous shutdown.
8. Replaced timber floors on levels for safe passage.

... continued ...

9. Installed turn-table in 3rd level station.
10. Installed air and water lines to 3rd level.
11. Lower pump at 125' level increments as work progressed.
12. Reinstalled 4" pipe discharge lines and connected same to main shaft discharge line located in the shaft manway compartment.

(b) Surface Exploration

A trench was excavated in glacial till with a power shovel in the NW $\frac{1}{4}$  of the S $\frac{1}{2}$  of Lot 3, Concession 1, Tisdale Township. Gold values were intersected in surface drilling in this area prior to 1936. The trench is situated on the northern edge of the Porcupine Destor Fault. Most of the trench reached bedrock, but the south end drops off abruptly in the scoured out soft serpentinite. A vertical depth of 30 feet was excavated here without reaching bedrock.

The trench was hand cleaned and channel sampled.

Three holes were drilled from collars within the trench for additional sampling and geology.

General prospecting was carried out over the mine property in an effort to locate new and previously discovered mineralized areas.

5. Costs Incurred

A total of \$597,648.16 was expended on the property during the period.

A breakdown of the apportioned costs accompanies the application for the Ontario Mineral Exploration Program grant.

January 18, 1983  
HAP/mmj

*H. A. Pearson*  
H. A. Pearson, P. Eng.



**DIAMOND DRILL LOG  
DRILL HOLE LOG**

PROPERTY EPDAUME MINES LIMITED

HOLE NO. D81-1

Hole Location 887'S&67'W of DIP -45°

Date Drilled: July/81

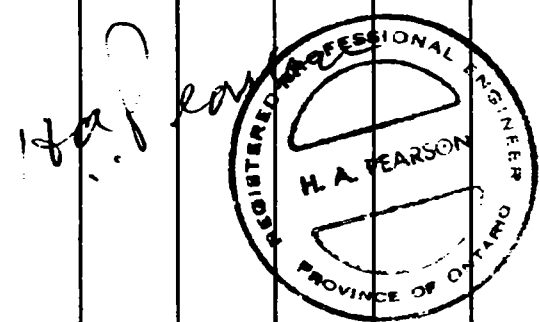
Post 1, Claim P. ~~13150~~ 13150 AZIMUTH 324°

Drilled by: P. Roby & P. Perreault

Township Tisdale, P.M.D. LOGGED BY C. F. Desson  
of Ontario *CFD*

LENGTH 85.0' SIZE 27/32"

FOOTAGE		DESCRIPTION	SAMPLE NO.	FOOTAGES			Assay oz/Au/T
From	To			From	To	Wid.	
0	5.0	QUARTZ PORPHYRY; fine grained felsitic. Greyish and creamy white. Scant fine pyrite specks green chlorite.	1	0.0	5.0	5.0	0.005
5.0	11.8	SERPENTINITIC TALCOSE SERICITIC CHLORITIC LAVA. Brecciated, schistose. Minor carbonate. Minor quartz-carbonate in thin stringers, seams, blebs and irregular patches. 20% whitish grey alteration (non carbonate) in fractures. Rock was originally basalt CA 50°-65° 8.7-9.2; lost core.					
11.8	16.8	QUARTZ PORPHYRY; as at start.	2	11.8	16.8	5.0	0.002
16.8	85.0	SERPENTINITIC; as 5.0-11.8 31.3-33.2 and 41.9-43.5: lost core 38.5-39.0: Quartz Porphyry as above 45.7-46.2: 80% impure quartz mixture  85.0 Hole Bottom	3	25.0	30.0	5.0	0.030





# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis

Certificate No. 52041

Date: Aug. 10, 1981

Received July 31, 1981 3 Samples of split core

Submitted by Diendaume Mines Limited, Timmins, Ontario

*HOLE #81-1  
-45°*

SAMPLE NO.	GOLD Oz./ton
1	0.005
2	0.002
3	0.03

DIENDAUME MINES LIMITED

P.O. BOX 1392

TIMMINS, ONT



ESTABLISHED 1928

Per *G. Lebel*  
G. Lebel, Manager

**DIAMOND DRILL LOG  
DRILL HOLE LOG**

PROPERTY PDAUME MINES LIMITED

HOLE NO. D81-2

Hole Location: 884'S & 98'W

DIP -45°

Date

Drilled: July 1981

13150  
of Post 1, Claim P. ~~10000~~

AZIMUTH 324°

Drilled P. Roby and

By: P. Perreault

Township: Tisdale P.M.D.  
of Ontario

LOGGED BY C. F. Desson

LENGTH 77.5 SIZE 27/32"

*CM*

FOOTAGE		DESCRIPTION	SAMPLE NO.	FOOTAGES			Assay oz/Au/T
From	To			From	To	Wid.	
0.0	46.8	SERPENTINITIC TALCOSE SERICITIC and CHLORITIC LAVA: Brecciated, schistose. Minor carbonate. Scant fine pyrite. Same as D81-1 hole.	4	0	10.0	10.0	nil
			5	10.0	20.0	10.0	0.002
			6	20.0	30.0	10.0	nil
			7	30.0	40.0	10.0	nil
		At 1.2: 2" Quartz Porphyry dikelet. Scant very fine pyrite.	8	40.0	50.0	10.0	nil
			9	50.0	60.0	10.0	nil
		32.2-33.8; 44.1-45.0 and 46.4-46.8; lost core.	10	60.0	70.0	10.0	0.002
			11	70.0	77.5	7.5	nil
46.8	56.7	SILICIFIED SEDIMENT (welded Tuff?) fine grained, medium grey-black, very faintly banded, silicified. CA 55°					
56.7	77.5	METABASALT: altered, fine grained, medium to pale grey green, brecciated and moderately carbonatized.  Abundant quartz-carbonate in narrow stringers, irregular fractures and breccia cement. Tiny irregular fractures of chlorite. 75.5-77.5; fairly massive, hard. CA 60°  77.5 Hole Bottom					

*Ha Pearson*





# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis

Certificate No. 52082

Date: Aug. 13, 1981

Received Aug. 6, 1981 15 Samples of split core

Submitted by Diepdaume Mines Limited, Timmins, Ontario

SAMPLE NO. GOLD  
G./TON

HOLE - 91-2  
-45°

4	NIL
5	0.002
6	NIL
7	NIL
8	NIL
9	NIL
10	0.002
11	NIL

DIEPDAUME MINES LIMITED  
P.O. BOX 1392  
TIMMINS, ONT.  
P4N 7N2

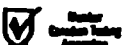
208	NIL
209	NIL
210	NIL
211	NIL
212	0.005
213	NIL
214	0.002

WHITE STAR  
HOLE # 4

Per G. Lebel

G. Lebel, Manager

ESTABLISHED 1928



**DIAMOND DRILL LOG  
DRILL HOLE LOG**

PROPERTY SPDAUME MINES LIMITED

HOLE NO. D81-3

Hole Location: 803'S& 129'W DIP -45°

Date July 1981

13150  
of Post 1, Claim P. ~~13150~~ AZIMUTH 324°

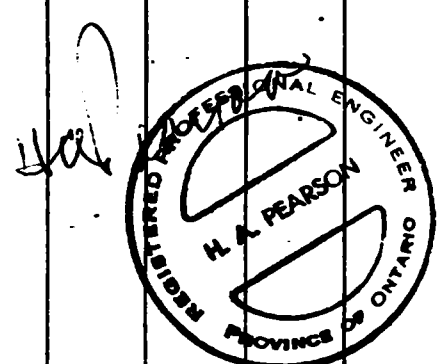
Drilled P. Roby and  
By: P. Perreault

Township: Tisdale, P.M.D. LOGGED BY C.F. Desson

LENGTH 70.0 SIZE 27/32"

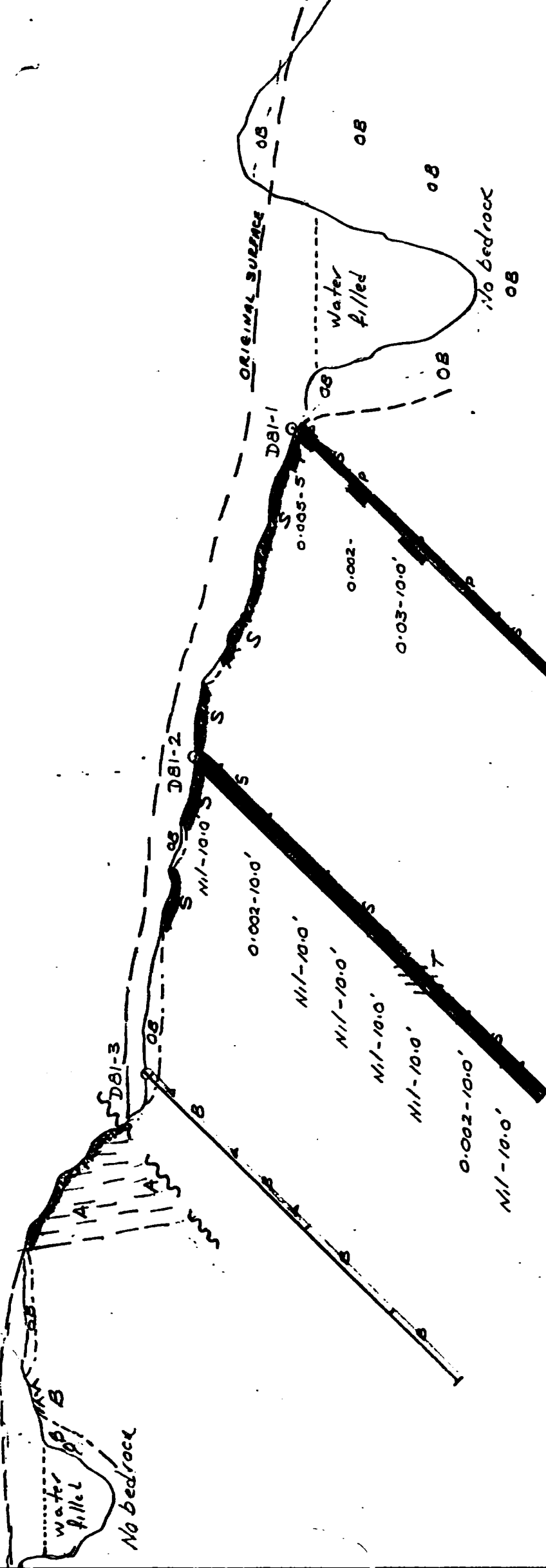
*CM*

FOOTAGE		DESCRIPTION	SAMPLE NO.	FOOTAGES			Assay oz/Au/T
From	To			From	To	Wid.	
0.0	1.0	CASING					
1.0	3.4	SERPENTINTIC LAVA: as in D81-1 and 2 CA 45°					
3.4	35.5	METABASALT: Altered, fine grained, medium to pale green, brecciated and carbonatized. Local area thin bands, possible pillows. Abundant irregular fractures, seams and blebs of quartz-carbonate plus breccia cement. At 8', 11.2', 12.5':2" stringers white quartz. Local scattered pyrite crystals to 3mm. CA variable.					
35.5	54.5	METABASALT; gradational from above. Fine grained, medium green, fairly massive. Minor foliation. Minor seams and blebs, quartz-carbonate. Local spherulitic areas.					
54.5	70.0	BASALTIC LAVA: gradational from above. Fairly massive. Scant quartz-carbonate seams.  70.0 Hole Bottom. No samples taken.					





324°



**DIEPDAUME MINES LIMITED**  
**DRILL HOLES and GEOL. SECTION**

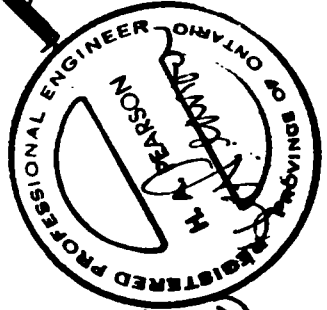
NW 1/4 S 1/2 LOT 3 CON. I  
 TISDALE TWR  
 PORCUPINE MINING DIVISION  
 ONTARIO

1981

SCALE: 1 IN = 20 FT

Note: See Geological Plan for index map location.

DM 86 - PE 81 - C - 81



**SYMBOLS**

- Assumed fault
- Breccia
- Bedding
- Overburden (bouldertill)
- Original surface
- Trench bottom
- Drill Hole
- Nil-10.0' Assay or Ault - width in feet
- Bedrock

**LEGEND**

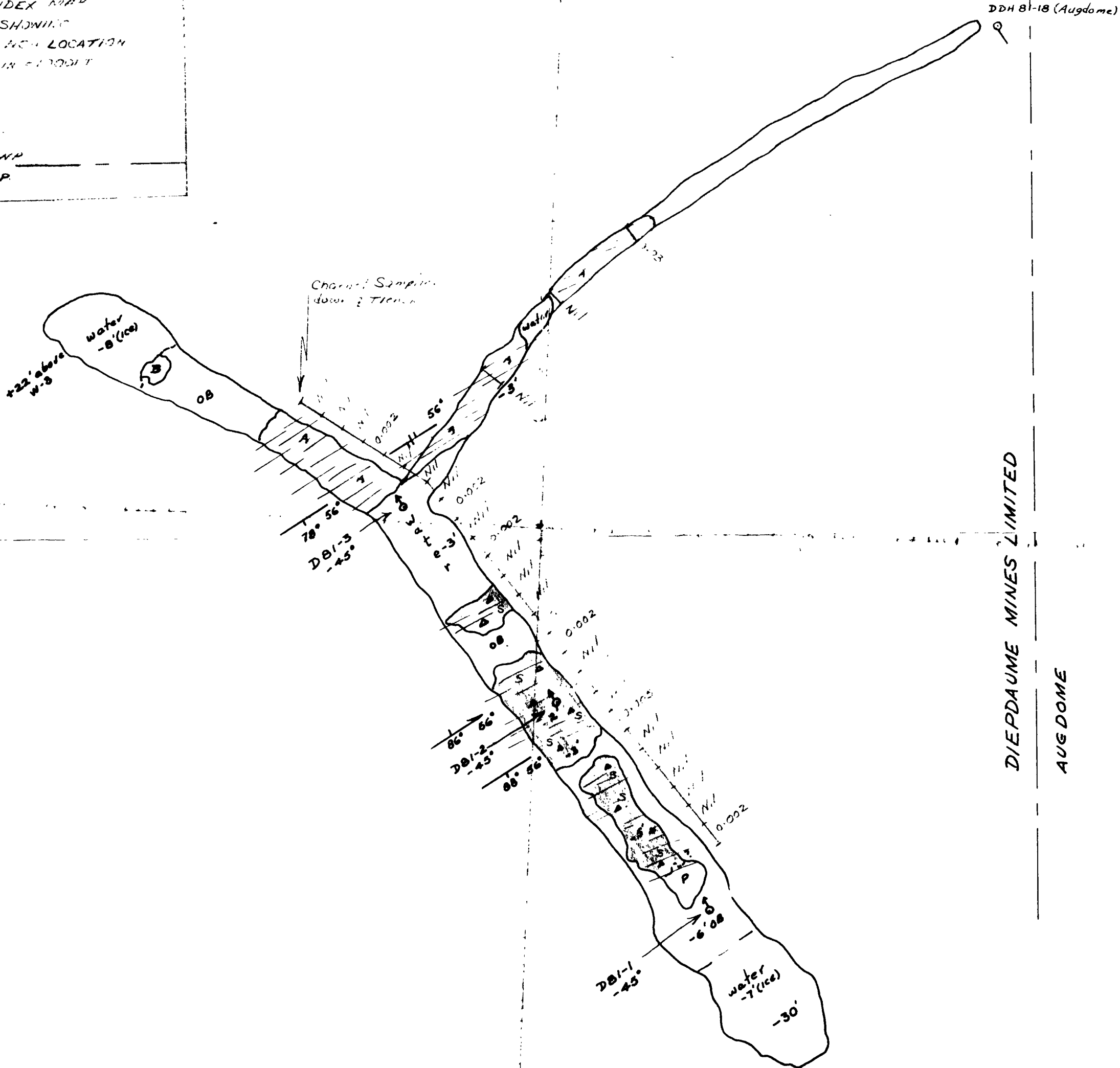
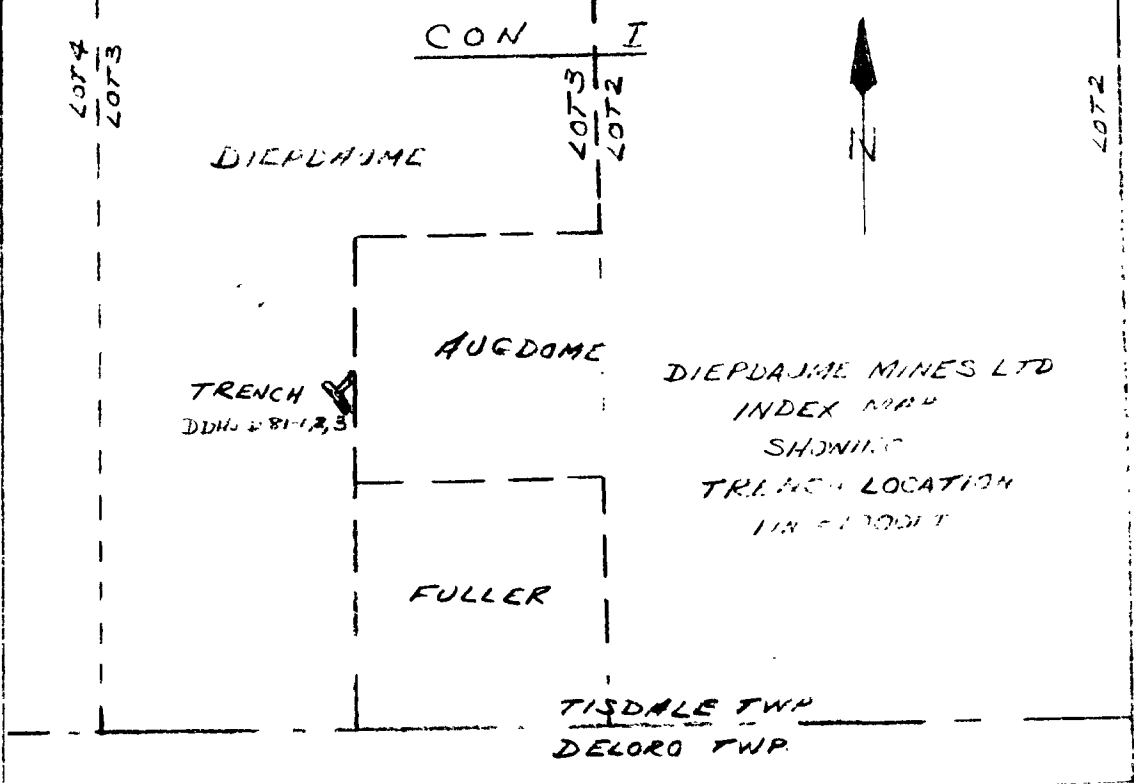
- Quartz porphyry
- Serpentine
- Argillite (Tuff?)
- Tuff
- Barren (metabasalt)
- 0.002-10.0' Assay or Ault - feet



OM 86 - PE 81 - C - 81

THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES):

- ① Geophysical Exploration Report ⇒ Toronto file # 2.4236  
Oct. 15/81



DIEPDAUME MINES LIMITED  
AUGDOME



200

- LEGEND**
- [P] Quartz Porphyry
  - [S] Serpentine
  - [A] Amphibole (Tuff?)
  - [T] Tuff
  - [B] Basalt (metasandst.)

- SYMBOLS**
- △ Breccia
  - ▨ Bedding
  - ▧ Schists
  - ↗<sup>56°</sup> Strike and Dip Schistosity
  - ↖<sup>56°</sup> Strike and Dip Bedding
  - Drill Hole
  - Channel Sample and Assay interval over 5 feet



DIEPDAUME MINES LIMITED  
TRENCH GEOLOGY and ASSAY PLAN  
NW 1/4 S 1/2 LOT 3 CON. I  
TISDALE TWP.  
PORCUPINE MINING DIVISION  
ONTARIO

SCALE: 1 IN = 20 FT. 1981

0486-PE81-C-81