

42A07SW0042 25 LANGMUIR

010

Diamond Drilling

Township of LANGMUIR

Report N^o: 25

Work performed by: Cantri Mines

Claim N ^o	Hole N ^o	Footage	Date	Note
P 85792	C-1	512'	Mar-Apr/66	
	C-2	150'	Apr/66	
	C-3	604'	Apr/66	
	C-4	503'	Apr/66	

Notes:

REPORT

ON

CANTRI MINES LIMITED

LANGMUIR TOWNSHIP PROPERTY

PORCUPINE MINING DIVISION, ONTARIO

FILO GEOPHYSICS LIMITED

Suite 705, 330 Bay St.,

TORONTO 1 - CANADA

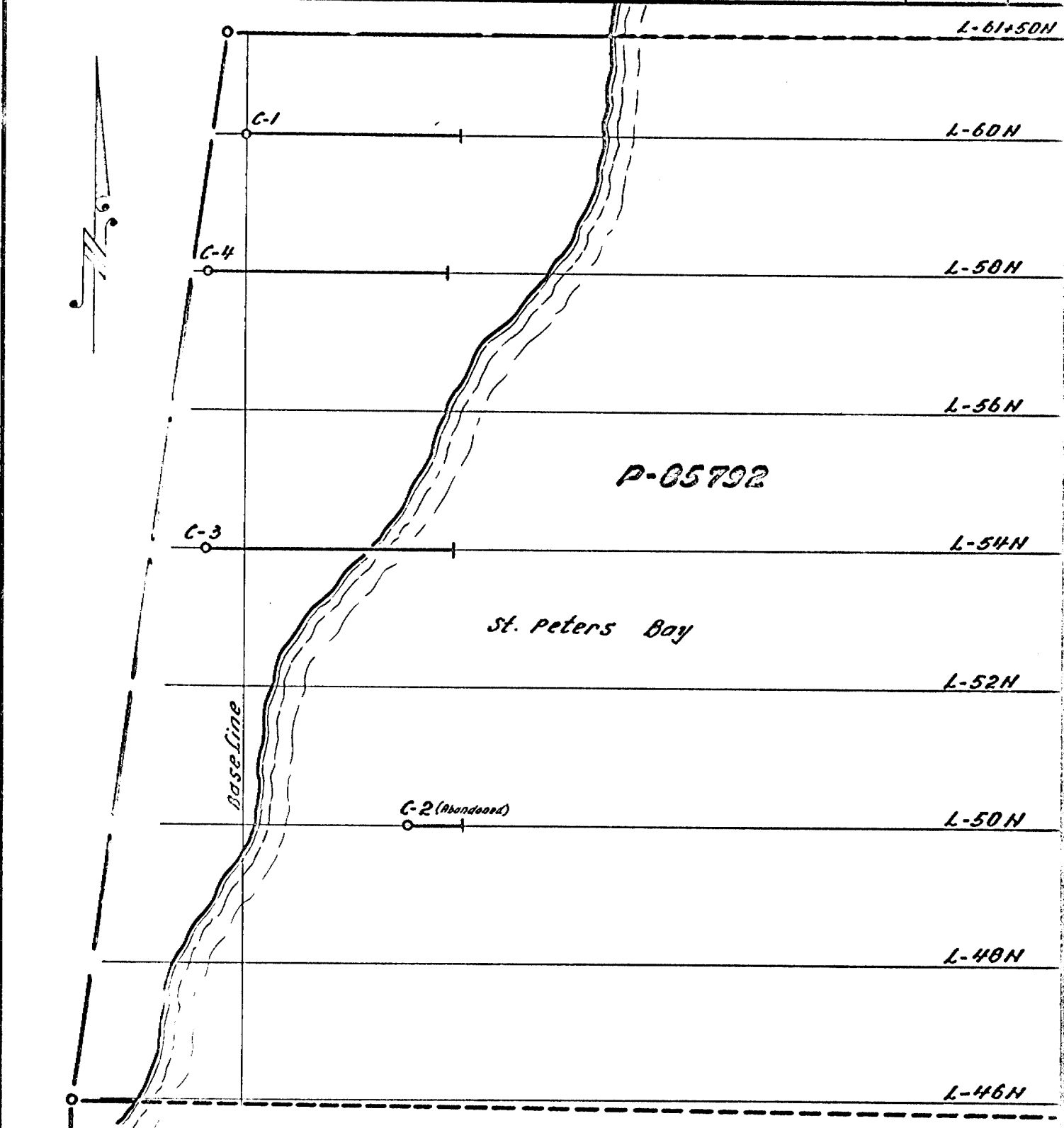
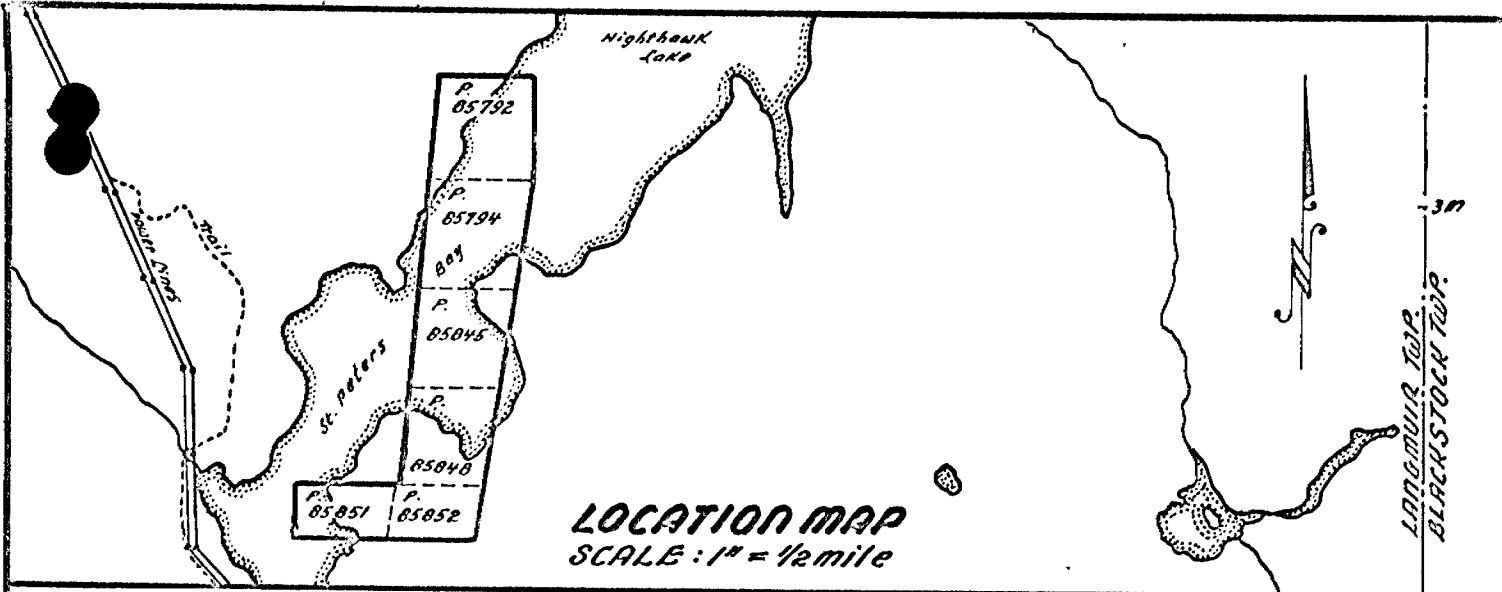
June 3rd, 1966.

John J. D. Filo, B.A.Sc., P.Eng.



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CANTRI MINES LIMITED
LANGMUIR TOWNSHIP
PORCUPINE MINING DIVISION
ONTARIO
PLAN OF DRILLING
SCALE: 1" = 200' DATE: June, 1966.
FILO GEOPHYSICS LIMITED



CONCLUSIONS AND SUMMARY

A total of 4 drill holes, amounting to 1,769 feet of diamond drilling was performed on the property. In all cases the holes had been spotted to intersect electromagnetic conductors and/or magnetic highs indicated by previous geophysical surveys. Hole No. 2 was abandoned before collaring into bedrock because of drilling difficulties and deteriorating ice conditions. Peridotite, rhyolite porphyry and felsite were the rock types encountered in the holes, mineralized with up to 4% pyrite. The highest assay obtained was 0.13% nickel in hole No. 1.

RECOMMENDATIONS

As the rock types encountered in the drilling are favourable for the occurrence of nickel mineralization, it is recommended that the drilling of hole No. 2 be attempted on the ice next winter if developments on the adjoining properties are sufficiently encouraging to warrant it.

INTRODUCTION

At the request of the Directors of Cantri Mines Limited, a diamond drill contract was let to Bradley Bros. Limited of Noranda, P.Q., dated March 7th, 1966. A minimum of 1,500 feet of AXT core was called for in the contract. Drilling supplies and camping gear, etc. were moved on the property beginning March 24th, 1966. Hole No. 1 was commenced on March 28th, 1966 and Hole No. 4 was terminated on April 30th, 1966. The move-out from the property was completed on April 5th, 1966.

PROPERTY, LOCATION AND ACCESS:

The property consists of 6 contiguous, unpatented mining claims, located in the central portion of Langmuir Township, Porcupine Mining Division, Ontario, and is comprised of the following claims:

P-85792, P-85794

P-85845, P-85848

P-85851 and P-85852

Access is by float- or ski-equipped aircraft based at South Porcupine, landing in St. Peter's Bay in the south arm of Nighthawk Lake, some 19 air miles southeast of Timmins, Ontario.

DISCUSSION OF DRILL RESULTS

HOLE NO. 1

This hole was spotted to intersect an isolated 5,000 cps cross-over located on the flank of a magnetic high. It reached an ultimate depth of 512 feet. Peridotite, rhyolite porphyry and felsite were the rock types encountered in the hole. The porphyry contained approximately 1% pyrite in cubes scattered throughout it. Assays of up to 0.13 nickel were obtained in the sampling.

HOLE NO. 2

This hole was abandoned at 150 feet because of an underground water course which forced sand between the casing and rods. The hole was designed to intersect a 5,000 cps conductor located on the southeast flank of a magnetic high. Deteriorating ice conditions precluded additional attempts to complete this hole.

HOLE NO. 3

This hole was located to intersect a closed magnetic high. The ultimate depth of this hole was 604 feet. The predominant rock types encountered were peridotite, rhyolite porphyry and felsite. Up to 4% crystalline pyrite was present in the porphyry and less than 0.5% in some sections of the peridotite. The highest assay obtained from this hole was 0.11 nickel.

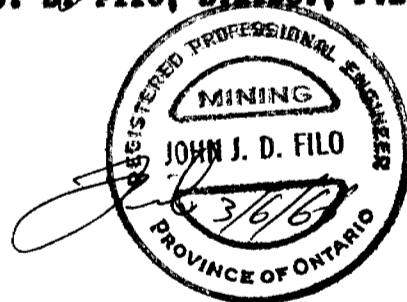
HOLE NO. 4

An embayment in the peridotite was the target of this hole, which reached a depth of 503 feet. A lamprophyre dike was a rock type present in addition to those present in hole No. 3. Occasional pyrite (up to 2%) was present throughout the core. Assay values up to 0.11% nickel and 0.07% copper were obtained in the sampling.

Respectfully submitted,


John J. D. Filo, B.A.Sc., P.Eng.

June 3rd, 1966.



FILO GEOPHYSICS LIMITED

HOLE NO. C-1

DRILL HOLE LOG

SHEET NO. 1

FOOTAGE		DESCRIPTION
FROM	TO	
PROPERTY: Cantri Mines Limited - Langmuir Twp.		Started: March 28, 1966
Latitude: 60°00N		Finished: April 6, 1966
Departure: 0°00E	Bearing: Due E Ast.	Depth: 512
Elevation: -	Dip: -50°	Logged by: J. A. Stocking

0	66	Casing through overburden.
66	131	Very fine grained pink to grey rhyolite porphyry: Up to 1% pyrite as crystals. Occasional carbonate joint-filling at 30° - 60° to C.A.
131	202	Peridotite: Fine grained dark grey to green where serpentized and chloritized. Carbonate-filled jointing at 45° to C.A.
202	211	Fine to medium grained pink to dark red rhyolite porphyry: 1% pyrite as cubes disseminated throughout.
211	220	Peridotite: Heavy talc-serpentine alteration. Very broken up. Considerable carbonate joint filling at various angles to C.A.
220	223	As 202 - 211.
223	229	As 211 - 220.
229	237	As 202 - 211.
237	411	As 211 - 220.
411	412	As 202 - 211.
412	462	As 411 - 220.
462	466	As 202 - 211.
466	492	As 211 - 220.
492	512	Felsite: Dark grey acid dyke. Very fine grained, somewhat chloritized and sheared at 5 - 10° to C.A. Large (2-4") blobs of cream coloured feldspar at 501, 503 and 507.

512 - END OF HOLE

J. A. Stocking



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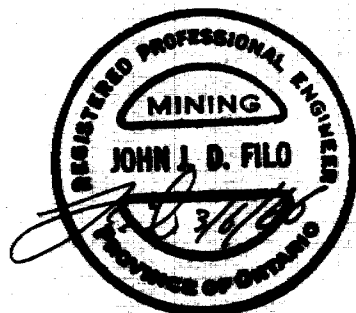
HOLE NO. G-2

DRILL HOLE LOG

SHEET NO. 1 of 1

FOOTAGE		DESCRIPTION
FROM	TO	
PROPERTY: Cantri Mines Limited - Langmuir Twp.		Started: April 14, 1966
Latitude: 50°00N		Finished: April 16, 1966
Departure: 2/50E	Bearing: 90°	Depth: 150'
Elevation:	Dip: 55°	Logged by: J. A. Stocking

0	150	<p>Clay sand and gravel. Hole lost at 150' due to underground watercourse. Sand forced 40' back up in casing by ground water pressure.</p> <p align="center">150' - END OF HOLE</p> <p align="right"><i>J. A. Stocking</i></p>
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HOLE NO. C-3

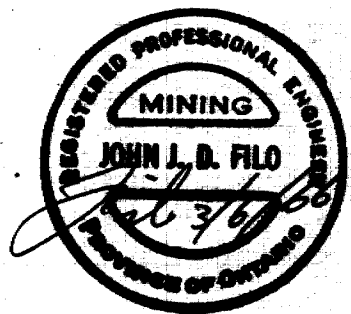
DRILL HOLE LOG

SHEET NO. 1 of 1

FOOTAGE		DESCRIPTION
FROM	TO	
PROPERTY: Cantri Mines Limited - Langmuir Twp.		Started: April 19, 1966
Latitude: 54°00N		Finished: April 29, 1966
Departure: 0750W		Bearing: 90°
Elevation:		Dip: 55°
		Depth: 604'
		Logged by: J. A. Stocking
0	59.0	Casing
59.0	63.5	Grey felsite dyke. 1% pyrite.
63.5	99.0	Pink rhyolite. Mostly fine grained, massive, with occasional chloritic joint at 30 to 40° to C.A. 1/2 - 1% crystal pyrite.
99.0	119.0	Peridotite, extremely talcose and containing 20% carbonate as stringers and joint filling at any angle. No mineral of note.
119.0	136.5	Pink rhyolite porphyry. Occasional pyrite crystal. 6-8 inch peridotite remnants at 130' and 131.5'.
136.5	320.4	Peridotite as before except more sheared and chloritic. Short sections show considerable serpentinisation and carbonate alteration. Jointing at 45° to C.A.
320.4	336.0	Pink to dark red rhyolite porphyry. 1-2% crystal pyrite.
336.0	337.0	Peridotite remnant.
337.0	339.0	Pink rhyolite porphyry.
339.0	354.5	Peridotite.
354.5	363.6	Pink rhyolite porphyry. 3-4% crystal pyrite.
363.6	464.0	Peridotite as before. Somewhat serpentinized and having one to two foot sections of heavy carbonate alteration (magnesite?).
464.0	465.5	Rhyolite porphyry dyke, grey, 1-2% crystal pyrite.
465.5	604.0	Peridotite as before. 6" pink feldspar dyke, 1-2% pyrite at 478. Considerable carbonate joint filling at 45° to C.A. from 525 to 553 with extremely sheared, serpentinized and shattered core from 553 to 562. Occasional pyrite crystal but no place do sulphides amount to 1/2%.

604 - END OF HOLE

J. A. Stocking



FILO GEOPHYSICS LIMITED

HOLE NO. C-4

DRILL HOLE LOG

SHEET NO. 1 of 1

FOOTAGE		DESCRIPTION
FROM	TO	
PROPERTY: Cantri Mines Limited - Langmuir Twp.		Started: April 25, 1966
Latitude: 58°00N		Finished: April 30, 1966
Departure: 0/50W		Bearing: 90°
Elevation:		Depth: 503'
		Logged by: J. A. Stocking
0	52.0	Casing.
52.0	100.5	Peridotite. Extremely sheared and broken up. Considerable serpentine and carbonate replacement. Grey-green mottled appearance. Very slightly magnetic.
100.5	130.0	Pink rhyolite porphyry. Very fine grained. Quarts filled jointing at 45° to C.A. Section of partly digested peridotite from 107 to 112. 1-2% crystalline pyrite throughout porphyry.
130.0	133.0	Lamprophyre dyke, sheared at 45° to C.A.
133.0	149.6	Grey to pink feldspar porphyry. Occasional crystal pyrite.
149.6	216.0	Peridotite. Dark grey, talcose and lightly serpentinised. Occasional pyrite crystal scattered along carbonate-filled fractures. Increasing carbonate from 201 to end of section.
216.0	228.0	Dark red rhyolite porphyry. Short sections of partly digested peridotite causing darker than usual colour.
228.0	237.5	Peridotite. Sheared and carbonated. Considerable serpentine.
237.5	239.5	Dark red rhyolite porphyry as before.
239.5	259.5	Peridotite. Fairly massive, less carbonate.
259.5	270.0	Felsite dyke. Grey, very fine grained, 1% crystal pyrite throughout.
270.0	336.0	Peridotite, fairly massive, greenish, good example of "chicken-track" from 270 to 284. Very little carbonate.
336.0	343.0	Pink rhyolite porphyry. Fine grained, massive 1% pyrite.
343.0	349.2	Peridotite remnant. Sheared, talcose.
349.2	352.5	Pink rhyolite porphyry.
352.5	392.5	Peridotite. Talcose, sheared at 45°, occasional carbonate stringer.
392.5	404.5	Felsite dyke. Dark grey, fine grained, occasional crystal pyrite and very finely disseminated chalcopyrite. Sulphide content probably 1/2%.
404.5	444.0	Peridotite. Fine grained, dark grey, talcose. No mineral of note, except last 4' which has scattered pyrite crystals, less than 1/2%.
444.0	503.0	Pink rhyolite porphyry, 1% pyrite as crystals and disseminations. 6 inch remnants of peridotite at 453 and 474. Joint filling of specularite at 483 and 493.

503 - END OF HOLE

J. A. Stocking

0+00

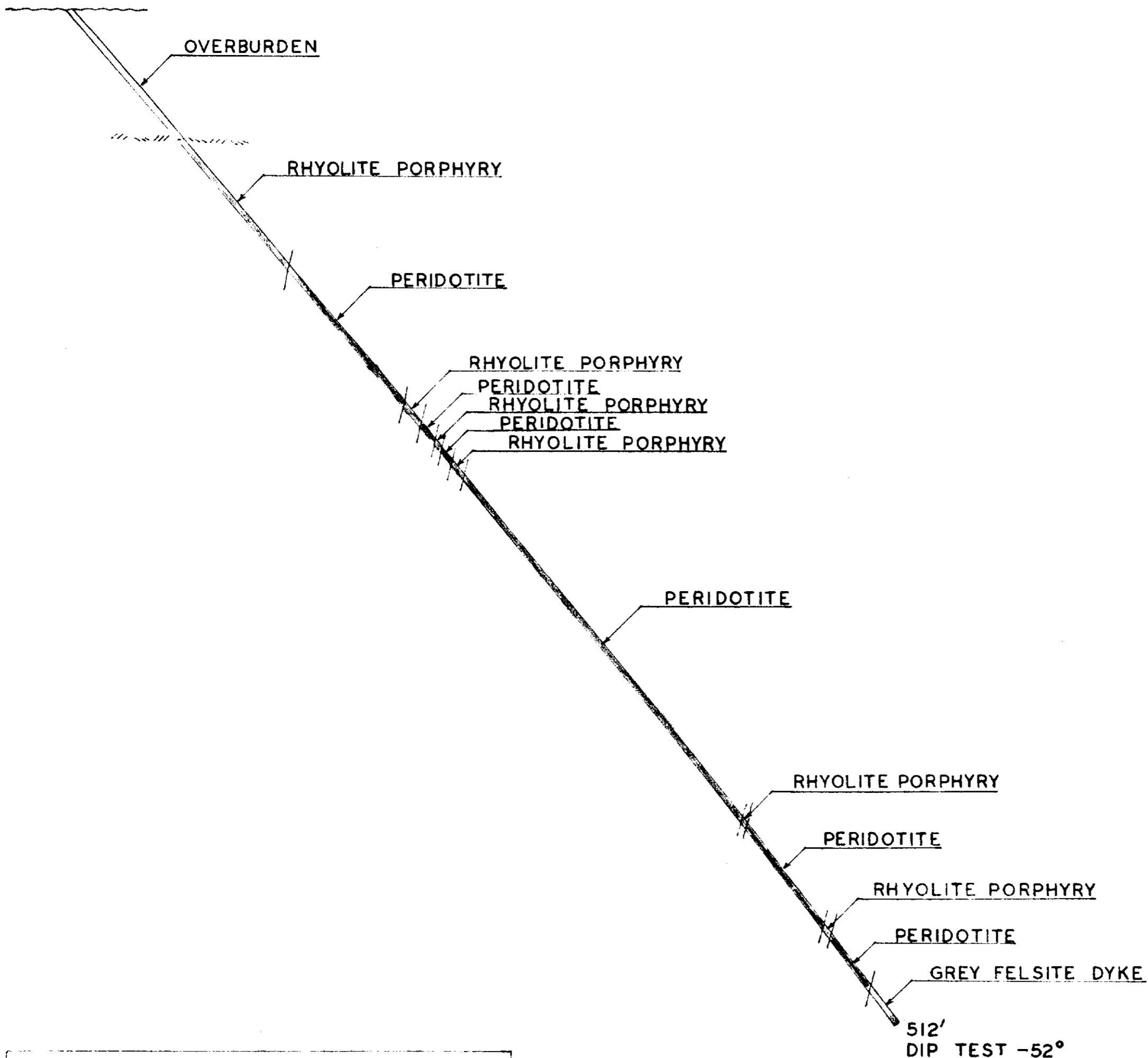
1+00 E

2+00 E

3+00 E

4+00 E

GRID LINE 60+00 N



CANTRI MINES LTD.

LANGMUIR TWP

PORCUPINE

HOLE : C-1

DIP : -50°

LAT. : 60+00 N

AZIM : 90°

DEP. : 0+00 E

SCALE : 1" = 40'

DATE : MAR. 66

BY : J.A.S.



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0+00

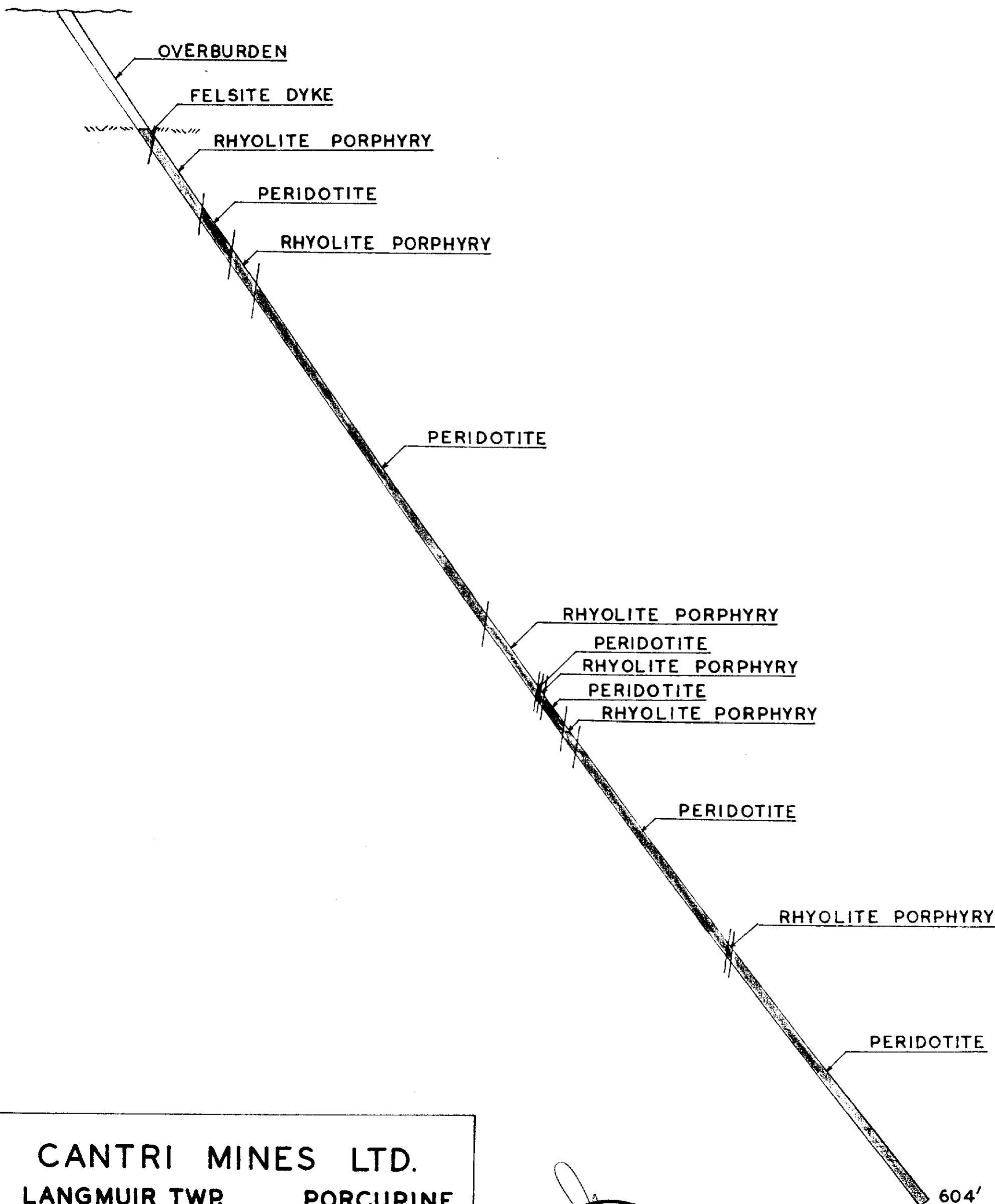
1+00 E

2+00 E

3+00 E

4+00 E

LINE 54+00 N



CANTRI MINES LTD.
LANGMUIR TWP PORCUPINE

HOLE : C-3	DIP : -55°
LAT. : 54+00 N	AZIM. : 90°
DEP. : 0+50 W	SCALE : 1" = 40'
DATE : APR. 66	BY : J.A.S.



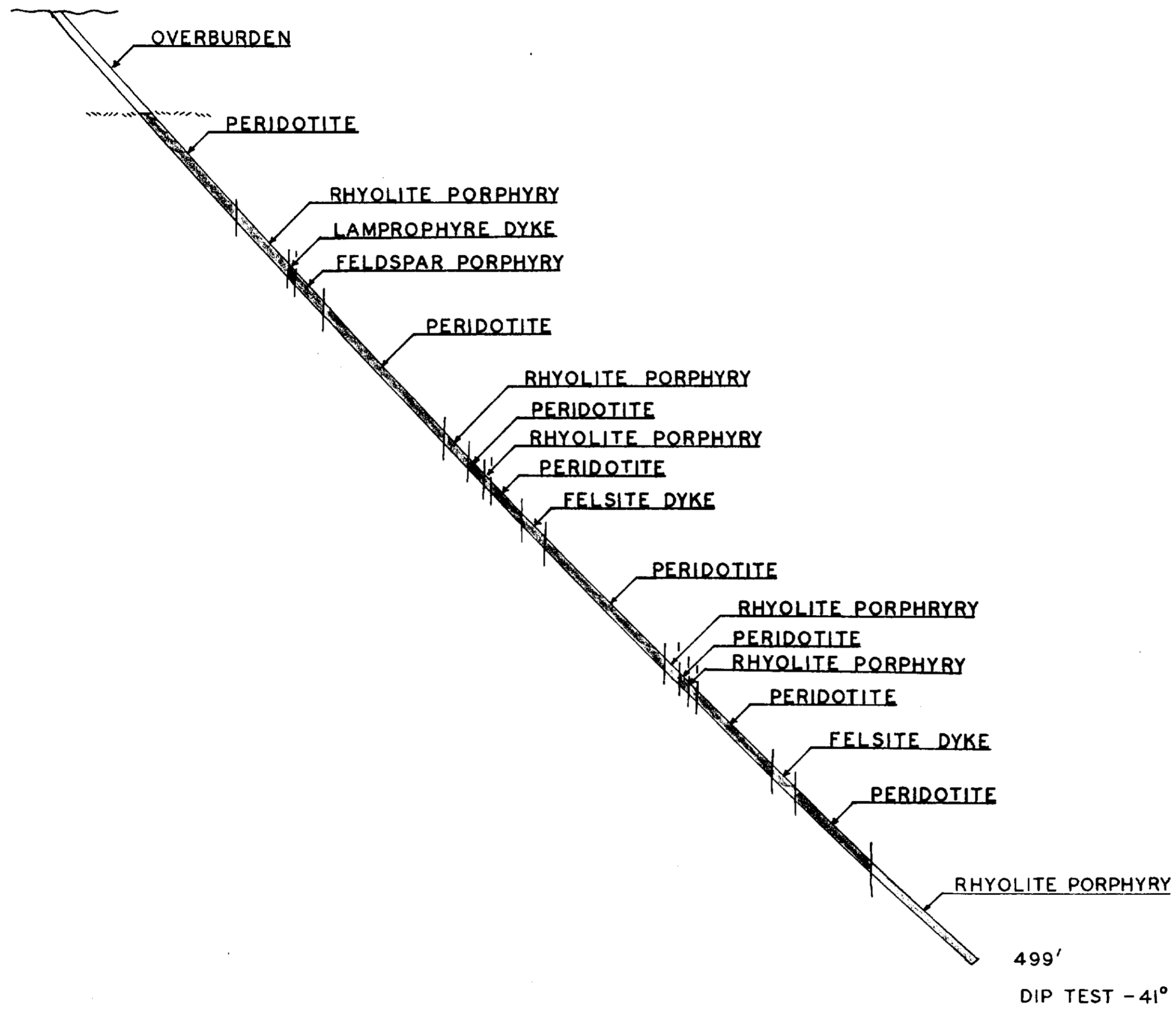
0+00

1+00 E

2+00 E

3+00 E

LINE 58+00 N



CANTRI MINES LTD.	
LANGMUIR TWP	PORCUPINE
HOLE : C-4	DIP : -50°
LAT. : 58+00 N	AZIM. : 90°
DEP. : 0+50 W	SCALE : 1" = 40'
DATE : MAY 66	BY : J.A.S.

