

GM 04109-B

19 DDH LOGS & REPORT

Documents complémentaires

Additional Files



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Énergie et Ressources
naturelles

Québec 

PROGRESS REPORT ON DRILLING

AMOS LITHIUM CORPORATION

May 28th, 1956

The company carried out some 4907 feet of diamond drilling on two dykes during the autumn of 1955 under the direction of Mr. André Leclerc of Val D'Or. The results of this drilling although encouraging did not show a commercial ore body.

The drilling carried out in the showing number two (No. 2) showed a small zone of extreme richness. Number three (No. 3) showing also had a rich zone which has not so far proven to be large enough for extensive mining.

Some finely disseminated SPODUMENE was encountered in some of the drill holes in dykes that did not extend to the surface.

All of this work was carried out on a small portion of lots 7 and 8. Most of the property is covered by overburden.

RECOMMENDATIONS

A systematic cross cutting of the property by diamond drill should show the number and the location of Pegmatite dykes and give a more comprehensive picture of the possible ore bearing pegmatites.

This should be followed by drilling systematically on any indication

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No G M- 4109-B

of SPODUMENE as the spotty nature of the mineral occurrence has been amply demonstrated.

The area to the South West should have careful attention because the possibility of the occurrence of MOLYBDENITE is strong as evidenced on the Lacorne Molybdenite property which adjoins at this point.

At least 20,000 feet of diamond drilling would be necessary to make preliminary reconnaissance in this area to be followed by intensive local drilling on any discovery.

It is estimated that \$100,000 would be needed for this work and such an expenditure is more than warranted by the discoveries already made.

F. Corminboeuf

F. Corminboeuf, B.S.Z., I.Ch., Ph.D.

Department of Geology & Mineral Chemistry
Oka Institute - University of Montreal.

Oka, P.Q. the 28th day of May 1956.

Attestation

CERTIFICATION

1- I, F. Corminboeuf, a Mining Geologist, do certify that:

I am a naturalized Canadian and reside at P ointe Calumet, County of Two Mountains, Province of Quebec.

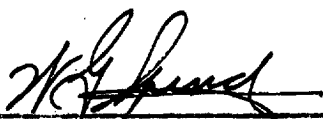
2- I am a Post Graduate of the Faculty of Science of the University of Montreal with a degree of B.S.A., I. Ch., Ph. D. in Chemistry and Professor of Geology & Mineral Chemistry and that I have been practicing for over twenty-five years.

3- I have no direct or indirect interest in the Amos Lithium Corporation, referred to in this report, nor in any of the securities of this Company, nor do I expect to receive such an interest.

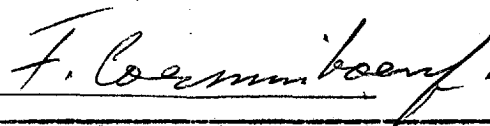
4- The report was made from information and maps supplied by Mr. Andre Leclerc, Mining Engineer, of Val D'Or and the drill logs accompanying this report. As I have not visited this property in recent years, my report is based on these documents.

5- The examination and analysis of these documents were made in May 1956.

Dated this 28th day of May 1956



Witness



F. Corminboeuf

SURFACE DIAMOND DRILLING
LACORNE TOWNSHIP

D.D.H. No 1

Bearing: South 40° West

Dip: At collar -40°

Started: October 14, 1955.

0 - 6 Casing

6 - 19.4 Biotite schist, granitised. Foliation 25° C.A.

19.4 - 22.0 Granite.

22.0 - 36.8 Pegmatite.

36.8 - 76.0 Granite

10.5 - 12.0 Biotite-hornblende granite
U.C. 15°

Biotite-hornblende type.

22.0 - 27.0 Fine to coarse grained.
Low fine altered spodumene

27.0 - 34.5 20 to 40% coarse spodumene
L.C. 80° C.A.
U.C. 80° C.A.

34.5 - 36.8 As on L.C.

As above.

42.2 - 44.0 Biotite schist inclusion

57.0 - 59.0 Biotite schist
Cts 40° C.A.

62.0 - 63.5 Biotite schist.

66.0 - 69.3 Qtz vein (Pegmatite)
Some specks of molybdenite
with a little pyrite.
Cts at about 20° C.A.

At 72.0 Pegmatite Qtz vein up to 2 inch
Carrying a little str. of bismuthinite
and few specks of molybdenite.

71.0 - 76.0 Narrow bands. Biotite
schist.

76.0 - 82.6 Biotite schist

82.3 - 82.6 Pegmatite.

END OF LOG 82.61

76.0 - 82.6 Biotite schist
granitised.

QUEBEC DEPARTMENT OF MINES

OCT 10 1956

MINERAL DEPOSITS BRANCH

No G M- 4109-B

SURFACE DIAMOND DRILLING
LACORNE TOWNSHIP

D.D.H. No 2

Bearing: S 40° W

Dip: At collar -55°

Started: October 15, 1955.

| | | |
|-------------|------------------------------------|--|
| 0 - 6 | Casing. | |
| 6 - 13.5 | Mostly biotite schist. U.C. at 40° | |
| 13.5 - 23.0 | Granite. | Biotite-hornblende. |
| 23.0 - 38.2 | <u>Permatite.</u> | L.C. at about 70° |
| | | 28.3 - 35.0 About 30% coarse spodumene |
| 38.2 - 63.0 | Mostly granite. | As above. |
| 63.0 - 71.0 | Granitized biotized schist. | |

END OF HOLE 71.0'

Samples

| | | |
|----|---------------|-------------------------|
| #5 | 28.0' - 33.0' | 3.12% Li ₂ O |
| #6 | 33.0' - 35.5' | 1.19% Li ₂ O |

Average 2.48% Li₂O / 7.5'

Andy Lech, Eng.

SURFACE DIAMOND DRILLING
LACORNE TOWNSHIP

D.D.H. No. 3

Bearing: South 40° West

Dip: At collar - 45°

0' - 10' Casing

10' - 230' Granite

230' - 238.5' Pegmatite

238.5' - 400' Granite

Biotite Hornblende type

230' to 238'.5' 0.075 % Li_2O

Biotite Hornblende type

END OF HOLE 400.5'

LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 4

Bearing: S 55° W

Dip: At collar -45°

At 300' -42°

0 - 6.0 Casing

6.0 - 132.5 Biot. schist

Foliation 30° C.A.

18.5 - 28.0 Granite

132.5 - 175.0 Granite

175.0 - 244.5 Mostly biotite schist

244.5 - 274.0 Granite

274.0 - 293.0 Pegmatite

Negligible spodumene.

293.0 - 318.0 Granite

318.0 - 377.0 Biotite schist

ASSAYS D.D.H. No 7

8014

Sample No

Footage

Assay

8

274.0 - 284.0

0.10% Li₂O

9

284.0 - 293.0

0.013% Li₂O

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LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 5

Bearing: S 55° W

Dip: At collar -60°

At 300' -58°

0 - 6.0 Casing

6.0 - 10.0 Biotite schist

Foliation 40° C.A.

10.0 - 45.0 Granite

45.0 - 83.0 Biotite schist

83.0 - 159.0 Granite

159.0 - 369.0 Mostly biotite schist with some granite bands.

215.0 - 242.0 Granite

314.0 - 325.0 "

369.0 - 385.0 Pegmatite

Some fine garnet. Negligible fine spodumene.

385.0 - 396.0 Mostly granite

ASSAY D.D.H. No 5

8014

| <u>Sample No</u> | <u>Footage</u> | <u>Assay</u> |
|------------------|----------------|-------------------------|
| 10 | 369.0 - 379.0 | 0.034 Li ₂ O |
| 11 | 379.0 - 385.5 | 0.054 " |

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LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 6

Bearing: S 55° W

Dip: At collar -45°

At 159' -45°

0 - 6.0 Casing
 6.0 - 12.5 Biotite granite
 12.5 - 86.0 Biotite schist
 86.0 - 98.0 Pegmatite
 120.5 - 124.0 Hornblende schist
 124.0 - 159.0 Mostly biotite schist
 124.5 - 125.0 Quartz.

Foliation 30° C.A. Somewhat grading into biotite granite.

56.0 - 60.5 Biot. granite Cts 40° C.A.

64.0 - 66.0 Idem

Cts 80° C.A.

91.0 - 97.0 Coarse spodumene, up to 3%. Average less than 20%

Foliation 30° C.A.

As above

ASSAYS D.D.H. No 6

| <u>Sample No</u> | <u>Footage</u> | <u>Assays</u> |
|------------------|----------------|---------------------------|
| 12 | 86.0 - 91.0 | 0.160 % Li ₂ O |
| 13 | 91.0 - 98.0 | <u>0.380</u> // |

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LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 7

Bearing: S 55° W

Dip: At collar -45°

At 120' -45°

| | |
|------------------------------------|--|
| 0 - 8.0 Casing | |
| 8.0 - 17.0 Biotite schist | 15.0 - 17.0 Hornblende schist |
| 17.0 - 40.5 Biotite granite | |
| 40.5 - 54.2 Biotite schist | Foliation 40° C.A. |
| 54.2 - 59.6 Granite | |
| 59.6 - 75.0 <u>Pegmatite</u> | 66.0 - 72.5 Low spotty spodumene partly altered into green mica. Less than 10% spodumene. |
| 75.0 - 102.0 Mostly biotite schist | As above, and somewhat grading into granite. |
| 102.0 - 119.5 Granite | |
| 119.5 - 122.0 Biotite schist | |

ASSAYS D.D.H. No 7

8014

| <u>Sample No</u> | <u>Footage</u> | <u>Assay</u> |
|------------------|----------------|-------------------------|
| 14 | 59.5 - 75.0 | 0.17% Li ₂ O |

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LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 8

Bearing: S 55° W

Dip: At collar -65°

At 125' -62.5°

| | | |
|---------------|------------------|--|
| 0 - 6.0 | Casing | |
| 6.0 - 23.0 | Mostly granite | |
| | | 12.0 - 15.0 Quartz vein. Barren looking. |
| 23.0 - 42.0 | Biotite schist | |
| 42.0 - 77.0 | Granite | |
| 77.0 - 95.5 | <u>Pegmatite</u> | Very low altered spodumene. |
| 95.5 - 100.0 | Granite | |
| 100.0 - 125.0 | Biotite schist | |

ASSAYS D.D.H. No 8

| <u>Sample No</u> | <u>Footage</u> | <u>Assay</u> |
|------------------|----------------|---|
| 15 | 77.0 - 95.5 | 0.14 % Li ₂ O 014 |

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LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 9

Bearing S 55° W

Dip at collar -45°

at 220' -48°

| | | |
|---------------|----------------|--|
| 0 - 6.0 | Casing | |
| 6.0 - 120.0 | Biotite schist | Somewhat grading into granite. |
| 120.0 - 140.2 | Granite | Grading into biotite schist |
| 140.2 - 152.5 | Pegmatite | Coarse grained |
| | | 143.0 - 149.0 About 30% spodumene averaging of 5 inch in length. |
| 152.5 - 222.0 | Granite | |
| | | 162.5 - 165.0 Quartz pegmatite vein. Few specks of molybdenite. |

ASSAYS D.D.H. No 9

| <u>Sample No</u> | <u>Footage</u> | <u>Assays</u> |
|------------------|----------------|---------------|
| 16 | 146.2 - 143.0 | |
| 17 | 143.0 - 149.0 | |
| 18 | 149.0 - 152.5 | |

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LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 10

Bearing: S 55° W

Dip: At collar -45°

| | | |
|---------------|------------------|--|
| 0 - 8.0 | Casing | |
| 8.0 - 35.0 | Biotite schist | |
| 35.0 - 62.0 | Granite | 44.0 - 46.0 Pegmatite mostly qtz. |
| 62.0 - 94.5 | Biotite schist | |
| 94.5 - 112.0 | Granite | |
| 112.0 - 182.0 | Biotite schist. | Mostly |
| | | 120.0 - 121.0 Qtz-pegmatite |
| 182.0 - 191.8 | <u>Pegmatite</u> | Low spodumene content. |
| | | 187.0 - 190.0 Less than 10% spodumene. |
| 191.8 - 203.0 | Biotite schist. | |

ASSAY D.D.H. No 10

| <u>Sample No</u> | <u>Footage</u> | <u>Assay</u> |
|------------------|----------------|--------------|
| 19 | 182.0 - 187.0 | |
| 20 | 187.0 - 191.8 | |

LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 11

Bearing: S 55° W

Dip: -45°

0 - 6.0 Casing

6.0 - 62.0 Biot. granite

62.0 - 96.8 Biotite schist

96.8 - 103.5 Pegmatite

103.5 - 122.0 Biotite schist.

12.0 - 12.5 Qtz. Contacts 55° C.A.

Foliation at about 35° C.A.

Very low spodumene mostly altered into green mica.

105.5 - 106.5 Pegmatite. Fine green mica.

ASSAY D.D.H. No 11

| <u>Sample No</u> | <u>Footage</u> | <u>Assay</u> |
|------------------|----------------|--------------|
| 21 | 96.8 - 103.5 | |
| 22 | 105.5 - 106.5 | |

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LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 12

Bearing: S 55° W

Dip: At collar -45°

| | | |
|---------------|-----------------------|--|
| 0 - 6.0 | Casing | |
| 6.0 - 8.0 | Biotite granite | |
| 8.0 - 69.0 | Mostly biotite schist | |
| 69.0 - 88.0 | Granite | Some bands of schist |
| 88.0 - 95.2 | <u>Pegmatite</u> | Mostly feldspar and low fine spodumene crystals. |
| 95.2 - 117.5 | Granite | 98.0 - 99.5 Pegmatite. Greenish grey. Fine green mica. |
| 117.5 - 129.0 | Biotite schist | |

ASSAYS D.D.H. No 12

| <u>Sample No</u> | <u>Footage</u> | <u>Assays</u> |
|------------------|----------------|---------------|
| 23 | 88.0 - 95.2 | |
| 24 | 98.0 - 99.5 | |

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LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 13

Bearing: S 55° W

Dip: -65°

0 - 6.0 Casing

6.0 - 54.0 Mostly biotite granite

Somewhat grading into biotite schist.

54.0 - 155.0 Biotite schist

66.0 - 67.0 Pegmatite Cts 25° C.A.

104.5 - 111.5 Pegmatite. Coarse
grained. Negligible
spodumene. Green mica.

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LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING.

D.D.H. No 14

Bearing: S 55° W

Dip: -45°

- 0 - 10.0 Casing
- 10.0 - 75.0 Quartz-biotite-amphibolite schist
- 75.0 - 284.4 Mostly granite
- 284.4 - 292.0 Pegmatite Neg spodumene.
- 292.0 - 443.5 Mostly granite.
- 443.5 - 599.0 Mostly biotite schist grading into granite. Pinkish.
- 458.0 - 458.5 Pegmatite
Cts. 30° C.A.
- 460.0 - 465.0 Broken up core
- 470.0 - 474.5 Pink pegmatite granite.
- 510.0 - 515.0 Slightly silicified.
Disseminated pyrite.
Epidotized.
- 573.5 - 574.0 Pegmatite.
- 574.5 - 575.5 Pegmatite.
- 575.5 - 578.0 Granite
- 580.0 - 594.5 Granite
- END OF HOLE 599.0'

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LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 15

Collar 100' E of dyke

Bearing: ~~S 55° W~~ WEST

Dip: -45°

0 - 6.0 Casing

6.0 - 98.0 Granite

Biot. hornblende. Somewhat sheared at 35° C.A. with minor Qtz. str. parallel to spear.

27.0 - 29.0 Pegmatite, pinkish
Cts 80° C.A.

43.0 - 43.5 Pegmatite. Cts 30° C.A.

46.0 - 60.0 Biotite schist, foliation
50° C.A.

98.0 - 116.0 Biotite schist

L C. 45° C.A.

112.0 - 116.0 Granite

116.0 - 181.0 Pegmatite

Pinkish. 20 to 25% green mica.
Negligible spodumene. Local fine disseminated garnet. Hematitic stains

142.0 - 142.3 Biotite schist **8014**
Cts. 50° C.A.

158.0 - 162.5 Biot. schist
Broken up core.

181.0 - 190.0 Granite

Mostly

190.0 - 291.0 Mostly schist with
narrow bands of
granite.

End of hole 291.0'

LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 16

Bearing: S 90° W

Dip: -45°

0 - 10.0 Casing

10.0 - 47.5 Quartz-biotite-schist cut by narrow bands of granite
Foliation 50° to 80° C.A.

47.5 - 58.0 Granite

58.0 - 105.0 Pegmatite Some fine beryl Xtals.

70.0 - 74.5 About 10% coarse spodumene.

105.0 - 504.0 Mostly granite.

423.0 - 425.5 Pegmatite, fine green mica.

END OF HOLE 506.0'

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LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING.

D.D.H. No 17

Bearing: N 35° W

Dip: -45°

0 - 12.0 Casing

12.0 - 206.0 Mostly granite

57.0 - 61.0 Pegmatite, pinkish

99.5 - 110.0 Pegmatite, pinkish, neg.
spodumene.

158.0 - 168.0 Pegmatite, Pinkish

END OF HOLE 206.0'

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LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 18

Bearing: N 55° W

Dip: -45°

0 - 11.0 Casing

11.0 - 50.0 Mostly biotite schist

50.0 - 81.0 Mostly granite

81.0 - 110.0 Pegmatite

Neg. spodumene.

110.0 - 120.0 Granite.

END OF HOLE 120.0'

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LACORNE TOWNSHIP, QUE.

SURFACE DIAMOND DRILLING

D.D.H. No 19

Bearing: S 55° W

Dip: -45°

0 - 7.0 Casing
7.0 - 20.0 Biotite schist
20.0 - 26.0 Granite
26.0 - 59.8 Biotite schist
59.8 - 78.0 Pegmatite
78.0 - 433.0 Granite

Greenish grey. Green mica.
Negligible spodumene.

Cut in places by bands of biotite amphibolite schist.

372.0 - 377.5 Pegmatite
Cts 45° C.A.
Negligible spodumene.

END OF HOLE 433.0'

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AMOS LITHIUM CORP.

SUMMARY OF D.D. HOLES ON
AMOS LITHIUM CORPORATION

| <u>D.D.H. No</u> | <u>DIP</u> | <u>DYKE FOOTAGE</u> | <u>REMARKS</u> |
|------------------|------------|---------------------|---|
| N ^o 1 | -45° | 22.0' - 36.8' | 26.5 - 35.0 = 1.13% $\frac{1}{2}$ |
| N ^o 2 | -60 | 23.0' - 38.2' | 28.0 - 35.5 = 2.48% $\frac{1}{2}$ |
| N ^o 3 | -45° | 230.0' - 238.5' | Hungry looking |
| N ^o 4 | -45° | 274.0' - 293.0' | " " |
| N ^o 5 | -60° | 369.0' - 385.5' | " " |
| N ^o 6 | -45° | 86.0' - 98.0' | 91.0' - 97.0' Coarse spodumene up to 30%. Average about 25% |
| N ^o 7 | -45° | 59.6' - 75.0' | 66.0' - 72.5' ²⁰¹⁴ Low. spodumene (10%?), partly altered to green muscovite |

N^o 8 ? - 60° Hole incomplete

Note

Logs of D.D.H. #3 to D.D.H. #8 are not
typed yet.

J. Leeb

44125

Samples for D.D.H. #3 to #7

D.D.H. #3

Footages

Sample #7

230.0' - 238.5'

D.D.H. #4

#8

274.0' - 284.0'

#9

284.0' - 293.0'

D.D.H. #5

#10

369.0' - 379.0'

#11

379.0' - 385.5'

D.D.H. #6

#12

86.0' - 91.0'

#13

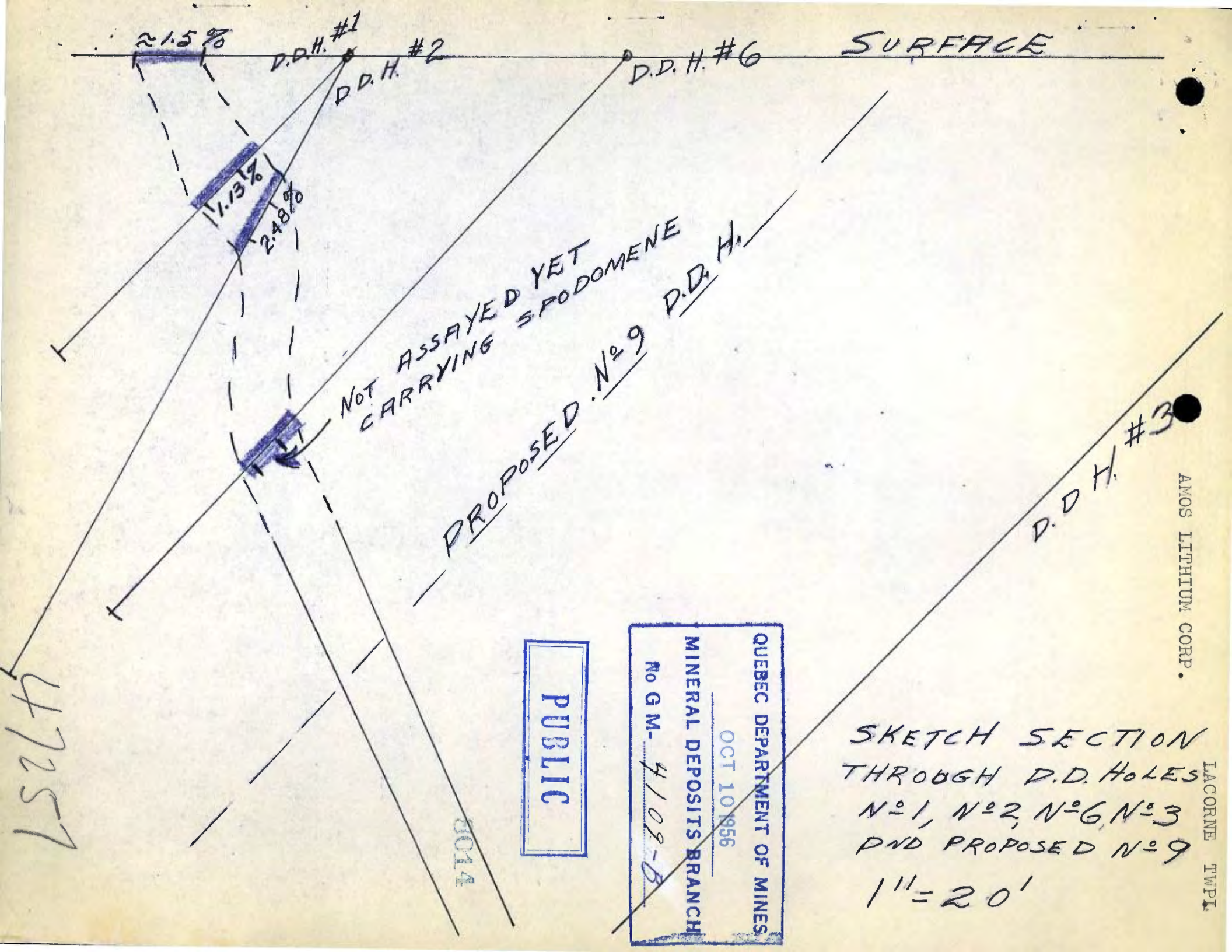
91.0' - 98.0' ~~=====~~

D.D.H. #7

#14

59.5' - 75.0'

B. J. [Signature]
4/25/51



SURFACE

D.D.H. #1
D.D.H. #2

D.D.H. #6

21.5%

11.13%

2.48%

NOT ASSAYED YET
CARRYING SPODOMENE

PROPOSED No. 9 D.D.H.

D.D.H. #3

AMOS LITHIUM CORP.

PUBLIC

QUEBEC DEPARTMENT OF MINES
OCT 10 1956
MINERAL DEPOSITS BRANCH
No G.M. 4109-B

SKETCH SECTION
THROUGH D.D. HOLES
No. 1, No. 2, No. 6, No. 3
AND PROPOSED No. 9

1" = 20'

LACORNE TWPI

47257

3014

GRANITE

25% SPODUMENE

BARREN PEGMATITE

GRANITE

LAKE BAILLARGE

D.D.H. #16
-45°

D.D.H. #15
-45°, 291'

8014



AMOS LITHIUM CORP.
SKETCH OF D.D. HOLES
N^o 3 SHOWING
SCALE 1" = 20' A.L.

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DEC. 7/1955