



41P02SE0005 0010A1 SEAGRAM

010

Diamond Drilling

Township of SEAGRAM

Report NO 10

Work performed by: Denison Mines Limited

| Claim NO | Hole NO | Footage | Date | Note |
|----------|---------|---------|--------|------|
| S 144758 | SM-69-1 | 1445.0' | Feb/69 | (1) |

TOTAL: 1 DIA 1445 FT

Notes:

(1) #113-69

DRILL HOLE LOG

PROPERTY McRae Uranium Claims
Seagram Twp.

HOLE NO. SM-69-1

LAT. 80' S.)

DIP 90°

HOLE STARTED Feb. 11/69

DEP. 600' W.) Pl-144758

AZIMUTH -

HOLE FINISHED Feb. 26/69

ELEV. _____

LOGGED BY R. Chouinard

LENGTH 1445' SIZE AX

| FOOTAGE | DESCRIPTION | SAMPLE NO. | LENGTH | From To | |
|------------|---|------------|--------|---------|--|
| | | | | | |
| 0-30.0 | Casing | | | | |
| 30.0-331.0 | GOWGANDA FORMATION Argillites and conglomerates. | | | | |
| | 30.0-50.0: <u>Argillite</u> . Very fine-grained, greenish dark grey, with several silty partings that are at 45° to c.a. Veinlets of feldspathic material are cross-cutting each other. A few qtz. veinlets are scattered along this section. | | | | |
| | 50.0-180.0: <u>Argillite</u> . Rather massive, medium green, with a few scattered pebbles of pinkish granite. A limited number of silty partings in the argillite and also a few sporadic black seams. Pyrite is present in coarse grains and in a limited amount for the first 100'. After 150.0' it is rather disseminated. Between 142.0 & 143.0 is the first appearance of the pinkish granite pebbles. After 166.0, these pebbles are consistently present and form about 10% of the rock. Their size vary from 1/8" to 2 1/2". In this zone, a bedding is picked up by scattered narrow black bands and is at 80° to c.a. | | | | |
| | 180.0-186.0: <u>Diabase</u> . Medium to coarse-grained, greenish dark grey intrusive rock that makes a sharp contact with the argillite, the contact being at moderately high angle with the bedding. This rock is composed of about 40% plagioclases and 60% mafic minerals, plus disseminated pyrite and pyrrhotite in a relatively low amount. | | | | |

SECRETARY
MINING DIV.
RECEIVED
MAY 9 1969
AM 7:30 PM

Raymond Chouinard

DRILL HOLE LOGPERTY Seagram Twp.HOLE NO. SM-69-1

DIP

HOLE STARTED

AZIMUTH

HOLE FINISHED

V. LOGGED BY

LENGTH SIZE

| NOTAGE | DESCRIPTION | SAMPLE NO. | LENGTH | | | | |
|------------------------|--|------------|--------|------|----|--|--|
| | | | | From | To | | |
| | <p>186.0-302.0: <u>Argillite</u>. As before the intrusive. Scattered pinkish granite pebbles (or cobble) from 1/8" to 9" in size. Some sulfides. From 206.0 to 214.0, interbedding of thin beds of medium-grained, dark grey grawacke. From 235.0 to 239.0, there is a conglomeratic section. The pebbles constitute about 45% of the rock. Argillitic matrix. Poorly defined bedding at 75° to c.a. Until the bottom contact, the pebbles form about 10% of the rock and after 286.0 the bedding is better defined.</p> <p>302.0-323.0: <u>Graywacke</u>. From medium to dark grey, heterogeneous, becoming medium-grained within a few inches at the top. Important micaceous groundmass; quantity of Qtz. in very variable. Poorly defined bedding, picked up by slightly darker bands, at 70° to c.a. A few scattered whitish Qtz. and quartzite (?) pebbles, greyish chert & argillite (?) pebbles, all from 1/8" to 1/4" in size. Sulfides disseminated in places.</p> <p>323.0-331.0: <u>Argillite</u>. Dark grey, rather massive with rare pebbles, rather around 325.0 and about the same type as in the rock above. A few black seams. Rather a gradational contact at the top while the contact at the bottom is sharp.</p> | | | | | | |
| 31.0-1361.0 | <p>MISSISSAGI FORMATION. Quartzites, minor graywackes.</p> | | | | | | |
| <i>Raymond Chomard</i> | | | | | | | |

DRILL HOLE LOG

PROPERTY Seagram Twp.

HOLE NO. SM-69-1

LAT.

DIP

HOLE STARTED

DEP.

AZIMUTH

HOLE FINISHED

ELEV.

LOGGED BY

LENGTH SIZE

| FOOTAGE | DESCRIPTION | | SAMPLE NO. | LENGTH | | | |
|---------|--------------|---|------------|--------|--|--|--|
| | From | To | | | | | |
| | 331.0-377.0: | <u>Quartzite</u> . Heterogeneous, medium to dark grey, poorly washed and poorly sorted. Impure, micaceous groundmass. A few narrow (up to 2") argillite beds are interlayered with the quartzite which may be from fine to coarse-grained. Numerous black seams and a few pebbly beds with quartz rounded pebbles up to 1/2". | | | | | |
| | 377.0-423.0: | <u>Quartzite</u> . Generally better washed and more uniform than above. Usually medium grey, medium-grained with a few pebbly beds, these rather concentrated between 390.0 and 395.0. Still a few argillite narrow bands. Scattered pyrite. Bedding at about 70° to c.a. | | | | | |
| | 423.0-424.0: | <u>Argillite</u> . Dark grey to black. with a poorly defined bedding. Rather a sharp contact at the top and gradational contact at the bottom. | | | | | |
| | 424.0-497.0: | <u>Quartzite</u> . Generally like the quartzite before the argillite above. Moderately uniform, medium grey, with a few pebbles beds. | | | | | |
| | 497.0-510.0: | <u>Quartzite</u> . Light grey with a creamy tinge, moderately well washed, rather fine-grained except for a few pebbly beds (pebbles up to 1/8"). | | | | | |
| | 510.0-574.0: | <u>Quartzite</u> . Rather dark grey, medium to coarse-grained, heterogeneous with a few dirty graywacke and argillaceous lenses. A few pebbly lenses, too. Moderately micaceous quartzite with an amount of feldspars varying between 0 and 10%. Sulfides (in cubic form) are disseminated through the rock. | | | | | |

Raymond Chouinard

DRILL HOLE LOG

PROPERTY Seagram Twp.

HOLE NO. SM-69-1

AT.

DIP

HOLE STARTED

EP. 1

AZIMUTH

HOLE FINISHED

LEV.

LOGGED BY

LENGTH SIZE

| FOOTAGE | DESCRIPTION | | SAMPLE NO. | LENGTH | | | | |
|---------|--------------|--|------------|--------|--|--|--|--|
| | From | To | | | | | | |
| | | <p>A few argillitic bands are interbedded, but they are usually narrow. Bedding is at 65° to. c.a.</p> | | | | | | |
| | 574.0-606.0: | <p><u>Quartzite</u>. Medium grey, medium-grained, usually poorly washed. A few argillitic lenses. Moderately well defined bedding at 75° to c.a.</p> | | | | | | |
| | 606.0-613.0: | <p><u>Graywacke</u>. Well bedded, the thickness of the beds varying from 4" to 6". Dark grey with greenish tinge, usually fine-grained, more or less uniform in composition (more or less micaceous groundmass) Sulfides.</p> | | | | | | |
| | 613.0-710.0: | <p><u>Quartzite/Graywacke</u>. Very heterogeneous rock composed of medium to coarse-grained, poorly washed, feldspathic, sometimes well-bedded quartzite interbedded with fine-grained, bedded or massive graywacke lenses which are usually about 10' wide while the quartzite lenses are 20 feet or more wide. Sulfides appear disseminated in both rocks. Bedding is at 75° to c.a.</p> | | | | | | |
| | 710.0-740.0: | <p><u>Quartzite</u>. More uniform, moderately well washed, still feldspathic, (about 5% feldspars) beginning medium-grained at the top and becoming coarser-grained towards the bottom. Becoming a little less well washed towards the bottom. Two pebbly beds (one foot wide) with quartz pebbles up to 1/2". Scattered black seams.</p> | | | | | | |
| | | | | | | | | |

Raymond Chouinard

DRILL HOLE LOGPROPERTY Seagram Twp.HOLE NO. SM-69-1

LAT.

DIP

HOLE STARTED

DEP.

AZIMUTH

HOLE FINISHED

ELEV.

LOGGED BY

LENGTH

SIZE

| FOOTAGE | DESCRIPTION | | SAMPLE NO. | LENGTH | | | |
|---------|---------------|---|------------|--------|--|--|--|
| | From | To | | | | | |
| | 740.0-805.0: | <u>Quartzite</u> . Very heterogeneous, from slightly to strongly feldspathic and varying from medium to coarse-grained in grain size. Bedding rather well defined, usually at about 60° to c. a. and the thickness of the beds ranges from 1/8" to 4'. Some beds are made of a very poorly washed quartzite. Some are made of a mod. well washed quartzite. Scattered sulfides and black seams. The change from one poorly washed bed to a mod. well washed is a gradational change. | | | | | |
| | 805.0-881.0: | <u>Quartzite</u> . Very poorly washed, dark grey quartzite; poorly sorted, from fine-grained to coarse-grained with a few pebbly beds. The quartz pebbles are up to 1/8" in size. A fairly defined bedding is at 60° to c.a. | | | | | |
| | 861.0-987.0: | <u>Quartzite/Graywacke</u> . Beds of quartzite, between 9" and 15' wide, from well washed to poorly washed, usually medium-grained, are interlayered with a few graywacke beds from 6" to 2' thick. The contact between all these different beds is considered as a gradational contact over a distance of a couple of inches. Some quartzite beds are feldspathic and rare pebbly beds are encountered within the quartzites. | | | | | |
| | 987.0-1013.0: | Fine-grained quartzite, dark grey, very poorly washed, rather | | | | | |

Raymond Chouinard

DRILL HOLE LOG

PROPERTY Seagram Twp.

HOLE NO. SM-69-1

T. _____ DIP _____

HOLE STARTED _____

P. _____ AZIMUTH _____

HOLE FINISHED _____

EV. _____ LOGGED BY _____

LENGTH _____ SIZE _____

| FOOTAGE | DESCRIPTION | | SAMPLE NO. | LENGTH | | | | |
|---------|--|---|------------|--------|--|--|--|--|
| | From | To | | | | | | |
| | | massive, slightly feldspathic. Rare veinlets of quartzo-feldspathic material. Fairly micaceous groundmass. | | | | | | |
| | 1013.0-1112.0: | <u>Quartzite</u> . Fine to medium-grained, greenish medium to dark grey, slightly feldspathic. Several scattered felsic veinlets. Poorly defined bedding at 60° to c.a. | | | | | | |
| | 1112.0-1152.0: | <u>Quartzite</u> . Medium to dark grey, medium-grained, moderately feldspathic, rather massive. About 5% black micas in this quartzite and also a fine-grained chloritic or sericitic material which might amount for 5% of the rock and which gives a greenish shade to the quartzite. Disseminated sulfides. (mainly pyrite). | | | | | | |
| | Poorly washed quartzite; massive; m.-gr. Check sample | 1141.0-1142.0 | 3169 | 1.0 | | | | |
| | Qtzite as above; sulfides; a few coarser-grained quartz grains. RAX3BG | 1142.0-1143.0 | 3170 | 1.0 | | | | |
| | Quartzite; poorly washed; sulfides; check sample | 1143.0-1144.0 | 3171 | 1.0 | | | | |
| | 1152.0-1162.5: | <u>Quartzite</u> . Very heterogeneous. Interbedding of finely bedded medium grey quartzite with fine-grained dark grey (with micaceous groundmass) or with a medium grey well washed feldspathic quartzite. Bedding at 50° to c.a. | | | | | | |

Raymond Chouinard

DRILL HOLE LOG

7

PROPERTY Seagram Twp.

HOLE NO. SM-69-1

LAT.

DIP

HOLE STARTED

DEP.

AZIMUTH

HOLE FINISHED

ELEV.

LOGGED BY

LENGTH SIZE

| FOOTAGE | DESCRIPTION | | SAMPLE NO. | LENGTH | | | |
|---------|---|---------------|------------|--------|--|--|--|
| | From | To | | | | | |
| | 1162.5-1304.0: <u>Quartzite</u> . Heterogeneous, generally poorly washed. Interbedding of different types of quartzites as above with the thickness of the beds varying from 1 foot to about 10 feet. From greenish medium grey to greenish dark grey, fine-grained to very coarse-grained, with some feldspathic beds. Sulfides appear in thin scattered beds and a few Qtz. pebbles are scattered in some beds. The size of the pebbles is usually up to 1/4". | | | | | | |
| | Fine-grained Qtzite; dark grey; massive; sulfides. Check sample | 1206.0-1207.0 | 3172 | 1.0 | | | |
| | Greenish dark grey Qtzite; fine-grained; pyrite, pyrrhotite and minor chalcopyrite are disseminated. No Qtz. pebbles. RAX2BG | 1207.0-1209.0 | 3173 | 2.0 | | | |
| | About the same. Check sample no. RA | 1209.0-1210.0 | 3174 | 1.0 | | | |
| | 1304.0-1331.0: <u>Conglomeratic quartzite</u> . A progressively increasing content of pebbles (up to 50%) from 1/4" (in size) at the top to 3/4" at the bottom. The angular to rounded pebbles are mainly Qtz. pebbles with a few chert and some angular greenstone pebbles. Greenish medium grey groundmass at the top grading into a dark grey dirty groundmass at the bottom. About 5% of disseminated pyrite in the matrix. Poorly defined bedding that is often contorted. | | | | | | |

Raymond Chouinard

DRILL HOLE LOG

PROPERTY Seagram Twp.

HOLE NO. SM-69-1

AT. DIP

HOLE STARTED

SP. AZIMUTH

HOLE FINISHED

LEV. LOGGED BY

LENGTH SIZE

| FOOTAGE | DESCRIPTION | | SAMPLE NO. | LENGTH | | | | |
|---------------|--|---|------------|--------|--|--|--|--|
| | From | To | | | | | | |
| | 1331.0-1361.0: | Quartz pebble conglomerate. Well packed; with a few angular greenstones pebbles. Quartz pebbles (subrounded to well rounded) are 3/4" to 1 1/2" in size. Dirty matrix usually coarse-grained. Pyrite constitutes 10% to 15% of the rock. Very poorly defined bedding at about 500 to c.a. No RA has been recorded in this conglomerate. | | | | | | |
| | Pyritic quartz pebble conglomerate. | 1351.0-1353.0 | 3198 | 2.0 | | | | |
| | Same | 1354.0-1355.0 | 3199 | 1.0 | | | | |
| | Same | 1356.0-1357.0 | 3200 | 1.0 | | | | |
| | Same | 1357.0-1358.0 | 3087 | 1.0 | | | | |
| 1361.0-1445.0 | BASEMENT. Medium grey green, fine-grained volcanic rock, dacitic or andesitic type with breccia structure and possibly a flow structure determined by some sort of contorted seams. The first five feet are rather of a basal conglomerate: very abundant greenstone pebbles in a dirty quartzitic matrix. After these five feet it is the above described volcanic rock. Disseminated sulfides. Quartzofeldspathic veinlets. | | | | | | | |
| 1445.0 | E.O.H. | | | | | | | |

Raymond Chouinard

DRILL HOLE LOG

PROPERTY Seagram Twp.

HOLE NO. S-69-1

LAT.

DIP

HOLE STARTED

DEP.

AZIMUTH

HOLE FINISHED

ELEV.

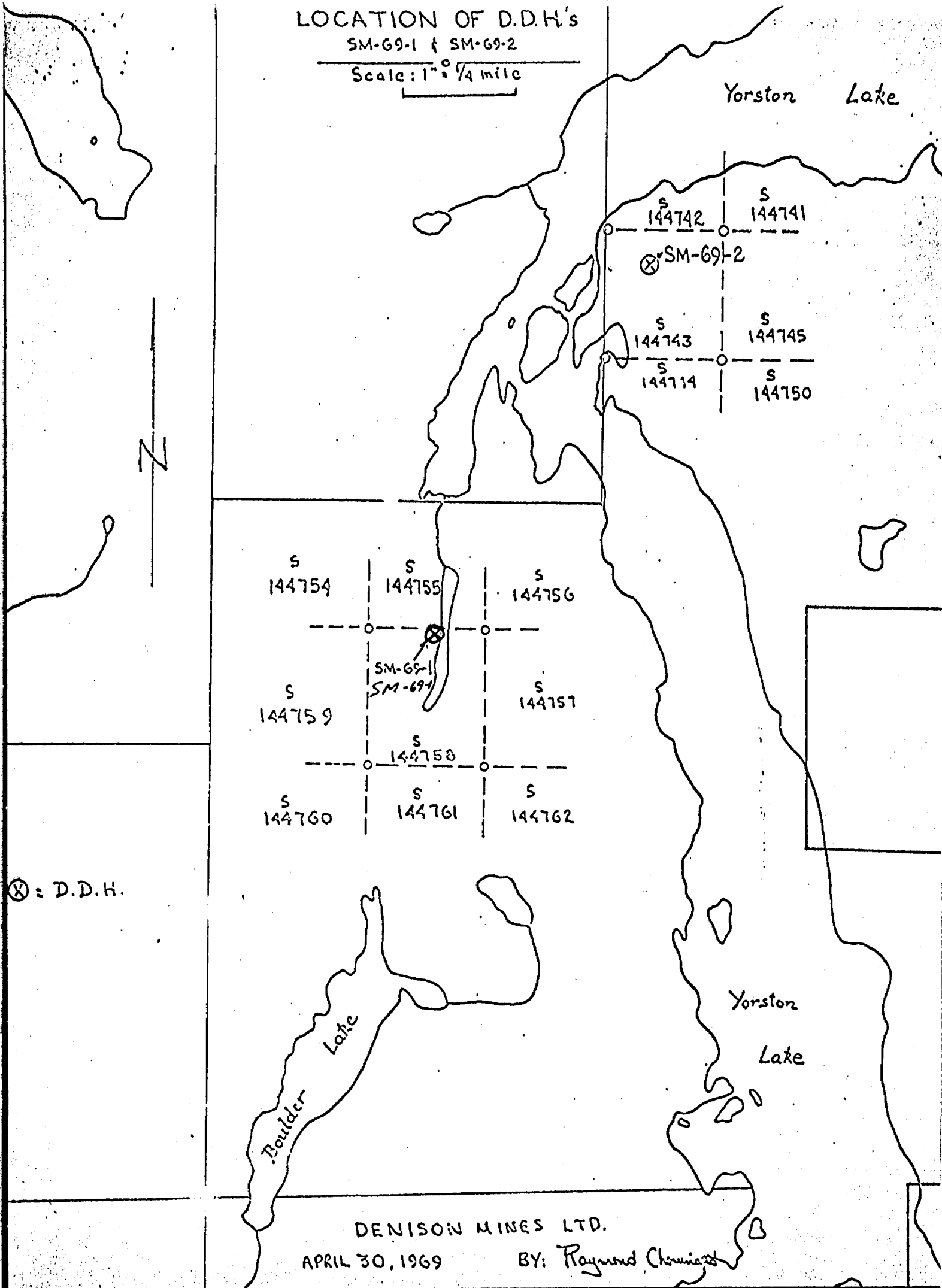
LOGGED BY

LENGTH SIZE

| FOOTAGE | DESCRIPTION | | SAMPLE NO. | LENGTH | | | |
|---------|----------------------|----------------------------|------------|---------------|--|--|--|
| | From | To | | | | | |
| | <u>Pariari Tests</u> | | | | | | |
| | At 400' | - Dip: 82° - Azimuth: 239° | | | | | |
| | 1000' | - 56° 268° | | | | | |
| | <u>Dip Tests</u> | | | | | | |
| | At 100' | - Dip: 89°00' | At 1000' | - Dip: 56°00' | | | |
| | 200' | 87°00' | 1100' | 52°00' | | | |
| | 300' | 83°00' | 1200' | 44°30' | | | |
| | 400' | 81°30' | 1300' | 39°00' | | | |
| | 500' | 79°00' | 1400' | 38°30' | | | |
| | 600' | 76°45' | | | | | |
| | 700' | 70°30' | | | | | |
| | 800' | 67°00' | | | | | |
| | 900' | 62°00' | | | | | |

LOCATION OF D.D.H.'s
SM-69-1 & SM-69-2

Scale: 1" = 1/4 mile

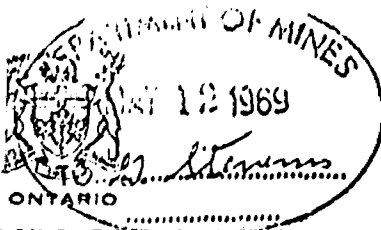


⊗ = D.D.H.

DENISON MINES LTD.
APRIL 30, 1969 BY: Raymond Chinnick



300



113

A separate form is required for each type of work to be recorded.

THE MINING ACT REPORT OF WORK

To the Recorder of Sudbury Mining Division

I, Denison Mines Limited A-23621
name of Recorded Holder Minor's Licence
20th Floor, 4 King Street West, Toronto 105, Ontario.

do hereby report the performance of 3011 days of Diamond Drilling type of work

not before reported to be applied on the following contiguous claims

Table with 6 columns: Claim No., Days, Claim No., Days, Claim No., Days. Contains claim numbers S-144743 to S-144767 and handwritten notes like '41 Turned', '40 See your', '40 Diamond'.

All the work was performed on Mining Claim (s) S-144743 & S-144758 (Total 75 Claims) (In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operati - Names and addresses of the men who performed the work and the dates and hours of their employment.
For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
For Compressed Air or Other Power Driven or Mechanical Equipment Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
For Geological and Geophysical Survey - The names and addresses of men employed as well as dates. Type of instrument used in the case of geophysical survey. Reports and maps in duplicate must be filed with the Minister within 60 days of recording.
For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

3011 feet of AX core drilling in two holes - SM-69-1 & SM-69-2

2 copies - Drill Logs & Sections
2 copies - Report of Work Forms

Drill owned and operated by Continental Diamond Drilling Co.,
P.O. Box - Drawer 250,
Rouyn, Quebec

Date May 6th, 1969

Signature of Raymond Chouinard

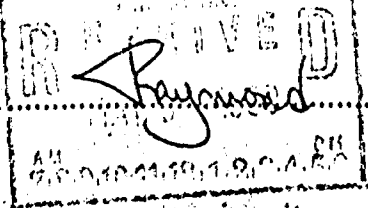
The Mining Act Certificate Verifying Report of Work

I, R. Chouinard
13 Cedar Place, Elliot Lake, Ontario.
(Post Office Address)

hereby certify:

- 1. That I have a personal and intimate knowledge of the facts set forth in the report of work annexed hereto, having performed the work or witnessed same during and/or after its completion.
2. That the annexed report is true.

Dated May 6, 1969



Signature Chouinard

5. 144.75

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

| <u>Claim No.</u> | <u>Days</u> | <u>Claim No.</u> | <u>Days</u> | <u>Claim No.</u> | <u>Days</u> |
|------------------|-------------|-----------------------|-------------|-----------------------|-------------|
| S- 144768 | 40 | S- 144788 | 40 | S- 144811 " | 40 |
| 144769 | 40 | 144789 | 40 | 144812 " | 40 |
| 144770 | 40 | 144790 | 40 | 144813 " | 40 |
| 144772 | 40 | 144792 | 40 | 144814 " | 40 |
| 144773 | 40 | 144793 <i>Demoree</i> | 40 | 144815 " | 40 |
| 144774 | 40 | 144794 " | 40 | 144816 " | 40 |
| 144775 | 40 | 144795 " | 40 | 144817 <i>Gurrier</i> | 40 |
| 144776 | 40 | 144799 <i>Clary</i> | 40 | 144818 " | 40 |
| 144777 | 40 | 144800 " | 40 | 144826 " | 40 |
| 144778 | 40 | 144801 " | 40 | 144827 " | 40 |
| 144779 | 40 | 144802 " | 40 | 144828 " | 40 |
| 144780 | 40 | 144803 " | 40 | 144829 " | 40 |
| 144781 | 40 | 144804 " | 40 | 144830 " | 40 |
| 144782 | 40 | 144805 " | 40 | 144831 " | 40 |
| 144783 | 40 | 144806 " | 40 | 144832 " | 40 |
| 144784 | 40 | 144807 " | 40 | 144833 " | 40 |
| 144785 | 40 | 144808 " | 40 | 144834 " | 40 |
| 144786 | 40 | 144809 " | 40 | 145146 <i>Suzanne</i> | 40 |
| 144787 | 40 | 144810 " | 40 | 145147 " | 40 |

SOBBURY
 MAILING DIV.
R E C E I V E D
 MAY 9 1969
 AM 7 20 10 11 12 1 2 3 4 5 6 7 8 9 10 11 PM

RAYMOND CHOUINARD'S QUALIFICATIONS

B. Sc. (Geological Engineer)- 1964 - Ecole Polytechnique, Montreal.

Corporation of Engineers of Quebec; Junior Member since 1964.

1963-1967 - Field geologist during summer seasons with Quebec Dept. of Natural Resources.

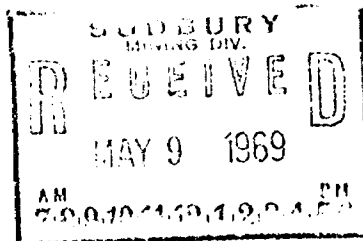
Since April 15, 1968, with Denison Mines (Exploration Division) as field geologist.

.....

I certify that the above qualifications are true.

Date: *May 2, 1969*

Signed: *Raymond Chouinard*
Raymond Chouinard



A



ONTARIO
DEPARTMENT OF MINES
Mining Lands Branch

PARLIAMENT BUILDINGS
TORONTO 2, ONTARIO

Tel. 416 365-6139

May 14, 1969.

Resident Geologist,
Ont. Dept. Mines,
1349 LaSalle Blvd.
SUDBURY, Ontario.

Dear Sir:

Enclosed is diamond drill core logs and maps, submitted by Denison Mines Limited for Seagram Township et al., to the Mining Recorder at Sudbury.

Please add these to your files.

Yours very truly,

G. T. Stevens,
Research Officer.

GTS/fv

Dundee Twp.

Acadia Twp.

SEAGRAM TWP.

1" = 40 CHAINS

DENISON MINES LTD.

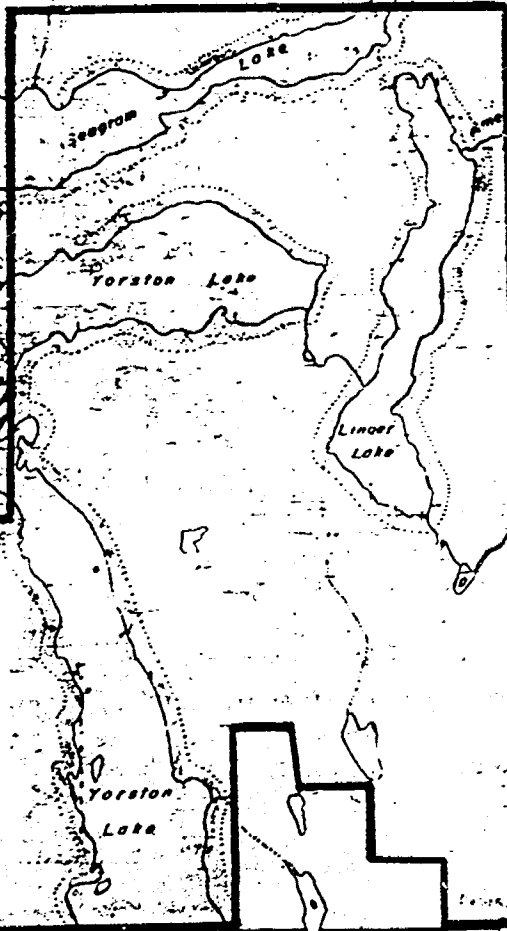
Res. O.F.B.

Pineforth Lake

Pineforth

Twinkle Lake

Dehli Twp.

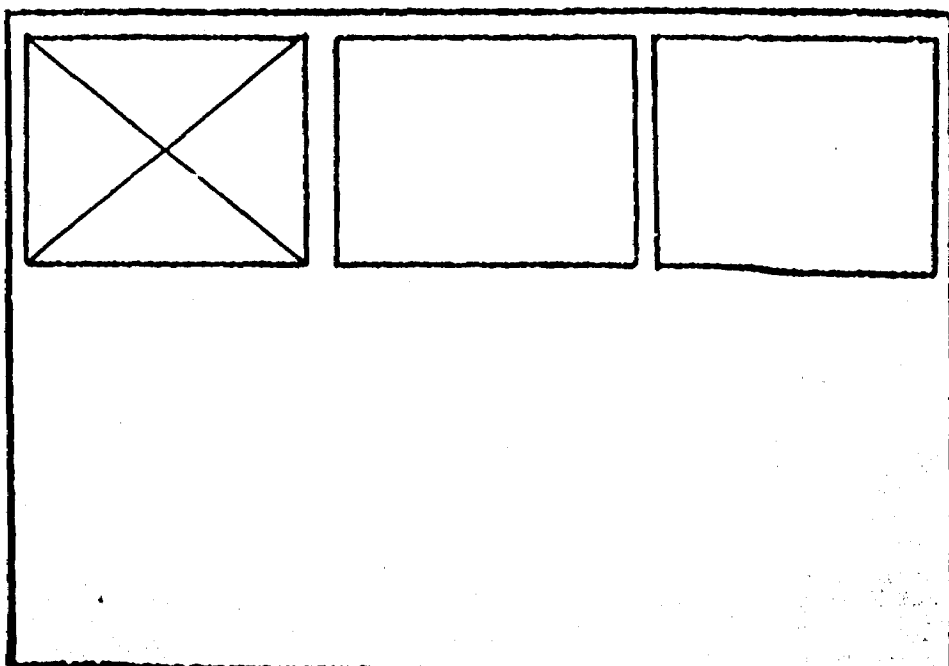


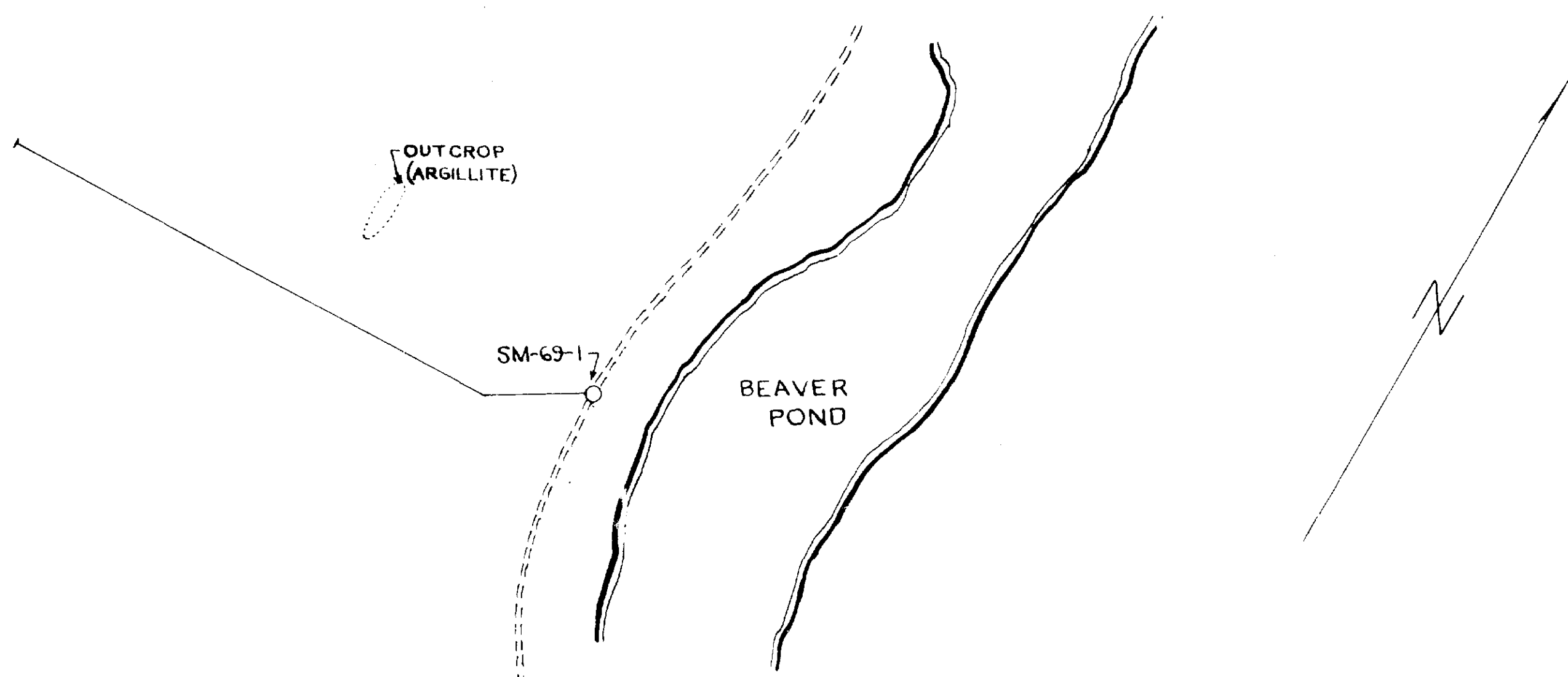
Clary Twp.

SEE ACCOMPANYING
MAP(S) IDENTIFIED AS

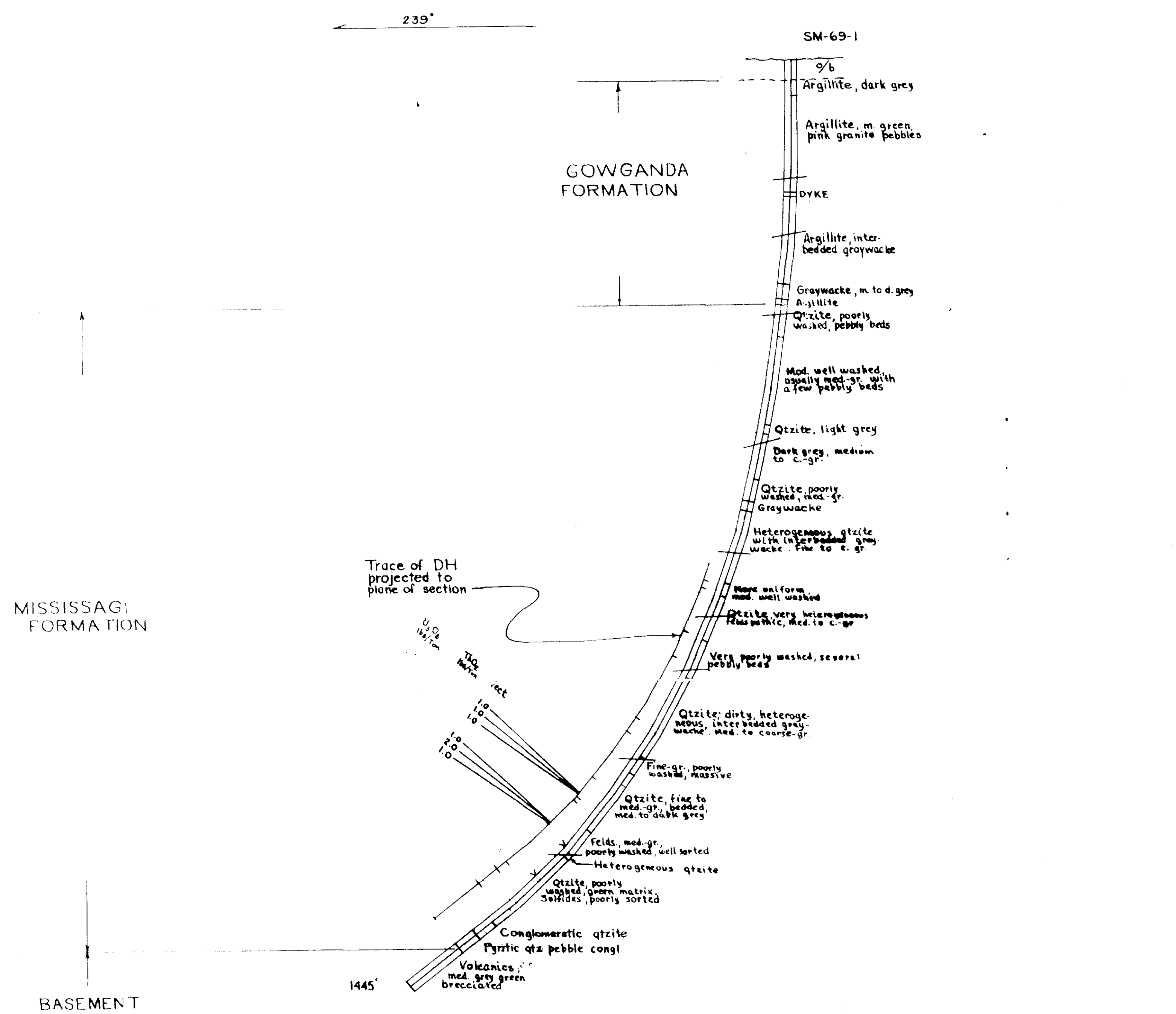
SEAGRAM - 0010 - A1, #1

LOCATED IN THE MAP
CHANNEL IN THE FOLLOWING
SEQUENCE (X)





PLAN
VERTICAL SECTION



| | | |
|--|-------------------|--------------------------|
| DENISON MINES LTD. | | |
| McRAE URANIUM CLAIMS SEAGRAM TWP, ONT. | | |
| VERTICAL CROSS SECTION | | |
| DDH SM-69-1 | | |
| Scale: 1" = 100' | Dwg. No. MCR-69/1 | Signed: Raymond Clelland |
| | Revised: | Date: 25-4-69 |

