

W.A. No.

NAME REX SPARK, SMUGGLER

SUBJECT REPORTS

PROPERTY FILE

8251021-07

MINISTRY OF MINES AND PETROLEUM RESOURCES		
Rec'd JUL 3 1978		
VST		

RADIATION SURVEY OF PROPOSED BIRCH ISLAND PROJECT OF
CONSOLIDATED REXSPAR MINERALS AND CHEMICALS LIMITED
BIRCH ISLAND, BRITISH COLUMBIA

PROPERTY FILE
 82M021

ASSISTANT DEPUTY MINISTER
 MINERAL RESOURCES

1511

REC'D SEP 2 1978

REFERRED TO	DATE	INITIAL
D.M.		
E. & P.		
GEOL.		
INSP.		
TITLES		
FILE		

Radiation Survey of Proposed Birch Island Project of
Consolidated Rexspar Minerals and Chemicals Limited
Birch Island, British Columbia

In company with Mr. Ron Ripley and Bert Haywood, residents in the Birch Island area, a radiation survey was made about the proposed Birch Island Project of Consolidated Rexspar Minerals and Chemicals Limited on May 30, 1978. The equipment used was as follows:-

Air samples were taken with a H & H Custom Work diaphragm air pump with pulsation damper. The pump was calibrated at a flow rate of 8.8 liters per minute using a wet test meter. A Sartorius membrane filter, 25 mm in diameter with a 0.8 micron pore size was used to collect the sample. A Tri-Met Instruments Ltd., Model TM372A alpha counter equipped with a foil type open zinc sulphide detector was used to evaluate the radiation. A certified AM-241 alpha standard was used to calibrate the instrument before and after the sampling project. The Atomic Energy Control Regulations, Registration SOR/78-58, 16 January, 1978, Schedule 11, Maximum Permissible Doses and Exposures, Table Column II. Any Other Person, limit the radiation exposure in the home or in other non-occupational situations as follows: "the maximum permissible annual average concentration of radon daughters attributable to the operation of a nuclear facility shall be 0.02 W.L. (work level)." There were no concentrations found above this limit in the ambient air about the proposed site.

Following are the results of the survey:-

RADIATION SURVEY OF PROPOSED BIRCH ISLAND PROJECT

MAY 30, 1978

Sample No.	Time of Sample	Time of Reading (Δt)	Sampling Time (Min)	Counting Time (Min)	Number of Counts	Average Count	Location	W.L.
1	10:57	11:47 (50)	15	5	2	1,980	DDH alongside road. Hole caved 18" from collar. Pump sealed to hole.	0.05
2	12:48	1:38 (50)	5	0.1	5	424	10 ft. inside portal. "BD Zone"	1.
3	1:09	1:59 (50)	10	1 5	1 1	321 1,700	DDH in middle of road 200' above portal. "A" Zone, Pump sealed to hole.	0.06 0.07
4	2:03	2:53 (50)	15	1 5	3 2	104 631	Old log core shack ¼ mile from U/G samples.	0.01 0.02
5	2:21	3:11 (50)	10	1	5	83	10' inside portal of 100' adit 200 yds. from core shack. Old Camp (Silver Mine Adit)	0.02
6	3:02	3:52 (50)	10	1	5	2,844	10' inside portal at top of mountain, access blocked by cave 100' from entrance. "A" Zone	0.56
7	3:27	4:17 (50)	10	1 5	3 1	24 139	DDH 400' above portal at top of mtn. Open hole; pump sealed to hole.	0.005 0.005
8	3:55	4:45 (50)	10	5	2	63	DDH 75-1 S.E. face of mtn. below road. Hole caved 1' down. Pump open to atm.	0.003

Sample No.	Time of Sample	Time of Reading (Δt)	Sampling Time (Min)	Counting Time (Min)	Number of Counts	Average Count	Location	W.L.
9	4:09	4:59 (50)	10	5	1	43	DDH 76-B-2 100' from DDH 75-1. Hole open. Pump open to atm.	0.002
10	4:26	5:16 (50)	15	5	2	39	Within 3 ft. radius of DDH 76-B-2 collar. (3 locations/5 min. each)	0.001
11	4:44	5:34 (50)	15	5	1	32	Within 2 ft. radius of DDH - 75-1. (3 locations/5 min. each)	0.001
12	5:57	6:42 (45)	15	5	1	14	Isolated corner of core shack in proposed tailings pond area.	0.0003
13	6:15	6:50 (35)	15	5	2	12	Background sample. Open air sample in proposed tailings site.	0.0003
14	8:19	9:09 (50)	15	5	3	7	Background sample. Little Fort Hotel parking lot.	0.0002
15	9:55	10:45 (50)	15	5	3	10	Background sample. Sagebrush Motel parking lot - Kamloops.	0.0003
16	-	-	-	5	3	11	Background sample. Blank filter calibration.	

SUMMARY OF BIRCH ISLAND RADIATION SURVEY MAY 30/78

(All Results in Working Levels)

DDH Pump Sealed to Hole	DDH Pump Open to Hole	DDH Vicinity -within 3 ft. of Open DDH	Inside old Core Shacks	Open Air Samples	10 Ft. Inside Accessible Portals
.05	.003	.001	.02	.0003	1.6
.07	.002	.001	.0003	.0002	.02
.005				.0003	.56
AVERAGES					
.04	.0025	.001	.012	.0003	.73

Underground

The adit entrance to the underground workings at the three adit locations had at one time been closed off to prevent inadvertent access by unauthorized persons. The fencing had been partially removed by persons unknown so that entry is possible by any person. This condition must be immediately corrected to prevent access to any of the underground workings by unauthorized persons.

The BD zone underground workings are all dead ends. This means that the only ventilation possible would be by convection due to temperature variance between the mine workings air and the ambient outside atmosphere. This means of air movement decreases in direct ratio with the length of the underground workings and temperature variance between the underground and ambient atmosphere temperature. There would only be minimal air movement from the underground workings proper to the outside atmosphere. The immediate portal area would be flushed by surface breezes. The high underground radon daughter concentrations can be attributed to the minimal air circulation and the long period of underground working dormancy. The radon gas and daughters that reach the outside atmosphere are very quickly diluted by natural air currents to levels well below the established permissible limits.

Following are the results obtained in the BD zone underground workings together with a sketch showing the location of the samples:-

UNDERGROUND SAMPLES
Black Diamond Zone
RADIATION SURVEY OF PROPOSED BIRCH ISLAND PROJECT

MAY 30, 1978

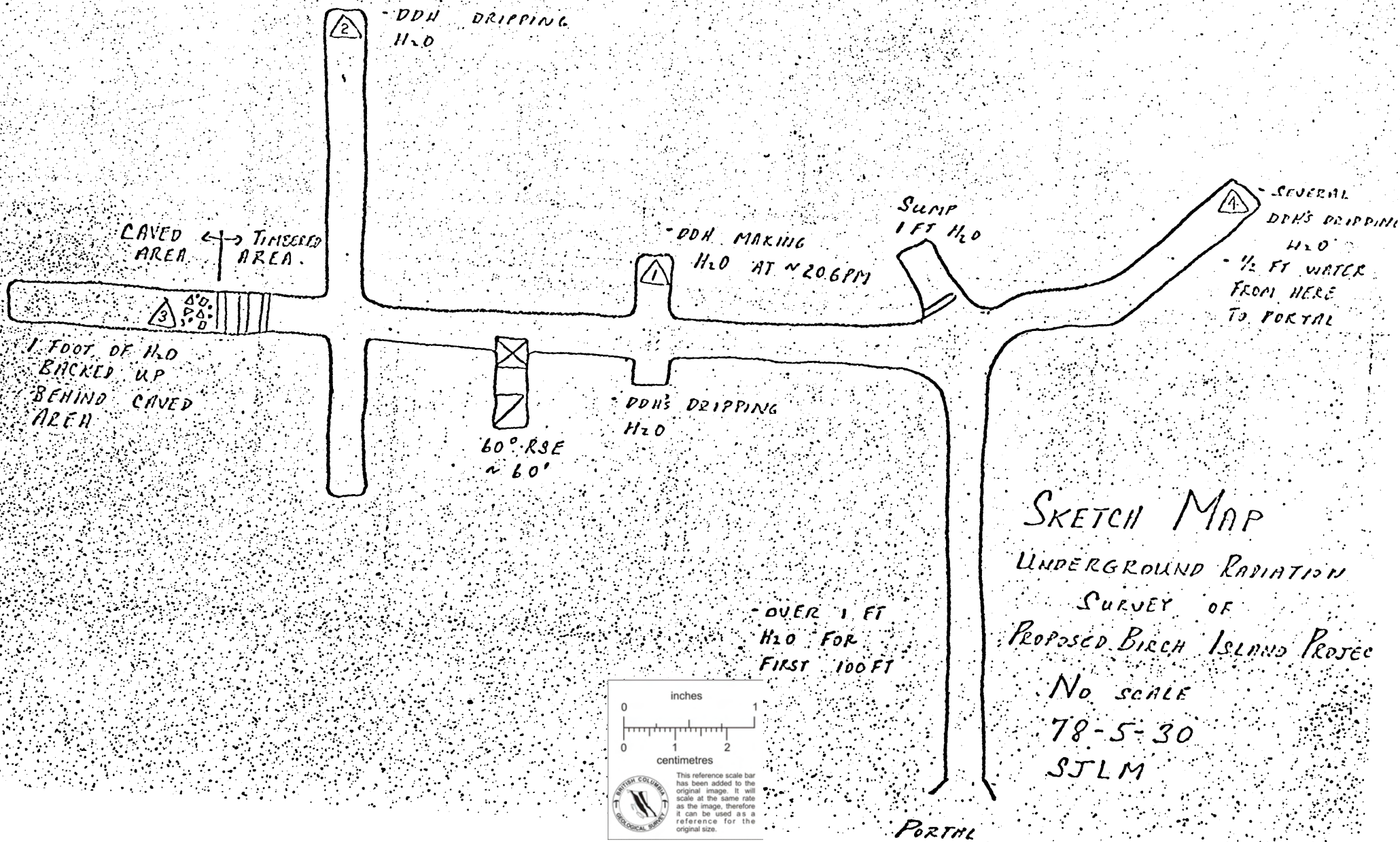
Sample No.	Time of Sample	Time of Reading (Δt)	Sampling Time (Min)	Counting Time (Min)	Number of Counts	Average Count	Location	W.L.
U/G 1	12:04	12:54 (50)	10	0.1	4	46,485	D.D. station 250' from portal. DDH making 20 gpm water.	91
U/G 2	12:15	1:05 (50)	5	0.1	5	43,370	Dead end of crosscut. DDH's dripping water.	168
U/G 3	12:25	1:15 (50)	5	0.1	5	35,380	100' from end of drift. Caved material dams 1 foot of water.	137
U/G 4	12:35	1:25 (50)	5	0.1	5	20,360	End of drift, opposite side of portal, DDH's dripping H ₂ O.	79

Average U/G Count

119

Consolidated Rexspar Minerals and Chemicals Limited has been ordered by the District Mines Inspector to effectively close all entrances to the underground workings to protect against inadvertent access by unauthorized personnel as per Section 12 (1) of the Mines Regulation Act.

△ - DENOTATION OF SPECIFIC
SAMPLE LOCATIONS
UNDERGROUND



CAVED AREA ← TIMBERED AREA

△ 2 - DDH DRIPPING H₂O

△ 1 - DDH MAKING H₂O AT ~20.6 PPM

SUMP 1 FT H₂O

△ A - SEVERAL DDH'S DRIPPING H₂O
- 1/2 FT WATER FROM HERE TO PORTAL

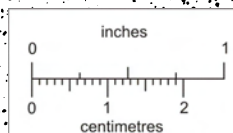
1 FOOT OF H₂O BACKED UP BEHIND CAVED AREA

60° RSE ~ 60'

DDH'S DRIPPING H₂O

- OVER 1 FT H₂O FOR FIRST 100 FT

SKETCH MAP
UNDERGROUND RADIATION
SURVEY OF
PROPOSED BIRCH ISLAND PROJECT
NO SCALE
78-5-30
SJLM

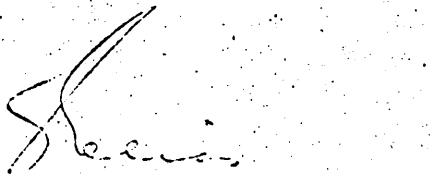


This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.



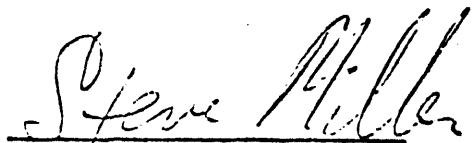
PORTAL

This report must be used in its complete form at all times.
No extracts, excerpts or quotes are to be used separately.



S. Elias, P. Eng.
Senior Inspector
Environmental Control

June 6, 1978



S. Miller, P. Eng.
Inspector
Environmental Control

17. Schedule II to the said Regulations is revoked and the following substituted therefor:

17. L'annexe II est ainsi remplacée:

***SCHEDULE II**

Maximum Permissible Doses and Exposures (1, 2)

TABLE I

Maximum Permissible Doses (3)

Column I Organ or Tissue	Column II Atomic Radiation Workers		Column III Female Atomic Radiation Workers of Reproductive Capacity		Column IV Any Other Person
	Rems per quarter of a year	Rems per year	Rems per quarter of a year	Rems per year	Rems per year
	Whole body, gonads, bone marrow	3	5	1.3(4)	5(4)
Bone, skin, thyroid	15	30	15	30	3(5)
Any tissue of hands, forearms, feet and ankles	38	75	38	75	7.5
Lungs (6) and other single organs or tissues	8	15	8	15	1.5

ANNEXE II

Doses et expositions maximales admissibles (1,2)

TABLEAU I

Doses (3)

Colonne I Organe ou tissu	Colonne II Travailleurs sous rayonnements		Colonne III Femmes affectées à des travaux sous rayonnements et en état de procréer		Colonne IV Toutes autres personnes
	Rems par trimestre	Rems par année	Rems par trimestre	Rems par année	Rems par année
	Tout le corps, gonades, moëlle des os	3	5	1.3(4)	5(4)
Os, peau, thyroïde	15	30	15	30	3(5)
Tout tissu des mains, avant-bras, pieds et chevilles	38	75	38	75	7.5
Poumons (6) et autres organes ou tissu pris isolément	8	15	8	15	1.5

TABLE 2

Maximum Permissible Exposures To Radon Daughters (6)

Column I Atomic Radiation Workers		Column II Any Other Person
WLM per quarter of a year	WLM per year	WLM per year (7)
2	4	0.4

TABLEAU 2

Exposition aux produits de filiation du radon (6)

Colonne I Travailleurs sous rayonnements		Colonne II Toutes autres personnes
WLM par trimestre	WLM par année	WLM par année (7)
2	4	0.4

NOTES TO SCHEDULE II

- (1) The maximum permissible doses and exposures specified in this Table do not apply to ionizing radiation
- (a) received by a patient in the course of medical diagnosis or treatment by a qualified medical practitioner; or
- (b) received by a person carrying out emergency procedures undertaken to avert danger to human life.
- (2) The Board may, under extraordinary circumstances, permit single or accumulated doses or exposures up to twice the annual maximum permissible doses or exposures for atomic radiation workers. Such variance will not be granted
- (a) if appropriate alternatives are available;
- (b) for irradiation of the whole body or abdomen of women of reproductive capacity; or
- (c) for irradiation of the whole body, gonads or bone marrow if the average dose received from age 18 years up to and including the current year exceeds 5 rems per year.
- (3) In determining the dose, the contribution from sources of ionizing radiation both inside and outside the body shall be included.
- (4) The dose to the abdomen shall not exceed 0.2 rem per two weeks, and if the person is known to be pregnant, the dose to the abdomen shall not exceed 1 rem during the remaining period of pregnancy.
- (5) The dose to the thyroid of a person under the age of 16 years shall not exceed 1.5 rems per year.
- (6) For exposures to radon daughters, the maximum permissible exposures (in working level months) apply instead of the maximum permissible doses for the lungs (in rems).
- (7) The WLM unit is not appropriate for exposures in the home or in other non-occupational situations. In such situations, the maximum permissible annual average concentration of radon daughters attributable to the operation of a nuclear facility shall be 0.02 WL."

NOTES À L'ANNEXE II

- (1) Les doses et les expositions maximales admissibles indiquées dans ce tableau ne s'appliquent pas aux rayonnements ionisants
- a) reçus par un patient lors d'un examen médical ou de soins donnés par un médecin compétent ou
- b) reçus par une personne exécutant des mesures d'urgence pour prévenir un danger pour la vie humaine.
- (2) La Commission peut, en des circonstances exceptionnelles, permettre qu'une dose ou une exposition atteigne le double du taux admissible par année pour les travailleurs sous rayonnements. Cette dérogation n'est pas accordée
- a) s'il existe d'autres solutions,
- b) pour l'irradiation de tout le corps ou de l'abdomen de femmes fécondes ou
- c) pour l'irradiation de tout le corps, des gonades ou de la moëlle des os, si la dose moyenne reçue depuis l'âge de 18 ans, jusqu'à et compris l'année en cours, dépasse 5 rems par année.
- (3) En déterminant cette dose, il faut tenir compte de l'apport des sources de rayonnements ionisants tant à l'intérieur qu'à l'extérieur du corps.
- (4) La dose reçue au niveau de l'abdomen ne peut dépasser 0,2 rem par période de deux semaines, toutefois, pour les femmes enceintes, cette dose ne peut dépasser 1 rem du moment de la connaissance de leur état jusqu'au terme de leur grossesse.
- (5) La dose reçue au niveau de la thyroïde d'une personne âgée de moins de 16 ans ne peut dépasser 1,5 rem par année.
- (6) Le taux d'exposition des poumons aux produits de filiation du radon est calculé selon l'exposition maximale admissible (calculée en WLM) plutôt que selon les doses maximales admissibles (calculées en rems).
- (7) Le tableau 2 ne s'applique pas aux expositions au foyer ou à l'extérieur du lieu du travail. Afin de limiter l'exposition qui pourrait exister, il faut se baser sur la concentration moyenne annuelle maximale de produits de filiation du radon attribuable à un établissement nucléaire. Cette concentration est alors d'au plus 0,02 WL.

SUMMARY

82M/12W
82M-21

During 1969, exploration and development work was carried out by Denison Mines Limited at the Rexspar property at Birch Island, B. C. The programme started in late April and continued throughout the year.

Surface exploration, including line cutting, geochemical soil sampling, induced polarization scintillometer and radon surveys and geological mapping was carried out. In August a programme of diamond drilling, using two machines got under way and was in progress at the year end. To date 24 holes for a total of 7035 feet were drilled on the exploration programme and five holes for another 675 feet were drilled in the fluorite zone.

Three new areas in the north east part of the property have been found to be underlain by the favourable uranium bearing pyrite mica formation. Intersections, which were below ore grade, assayed from .2 to 1.17 lbs. / ton across widths of 6 to 58 feet. The "F" zone is also considered a very favourable area though drill core recovery and results were disappointing.

A geochemical soil survey outlined a large and significant molybdenum anomaly. This anomaly occurs along the ridge of a hill. It covers the fluorite zone, but is mostly above and to the south of it. The location of the anomaly would indicate that the source is other than from the fluorite zone.

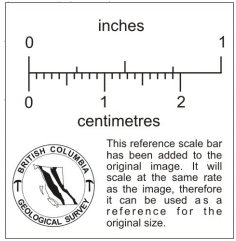
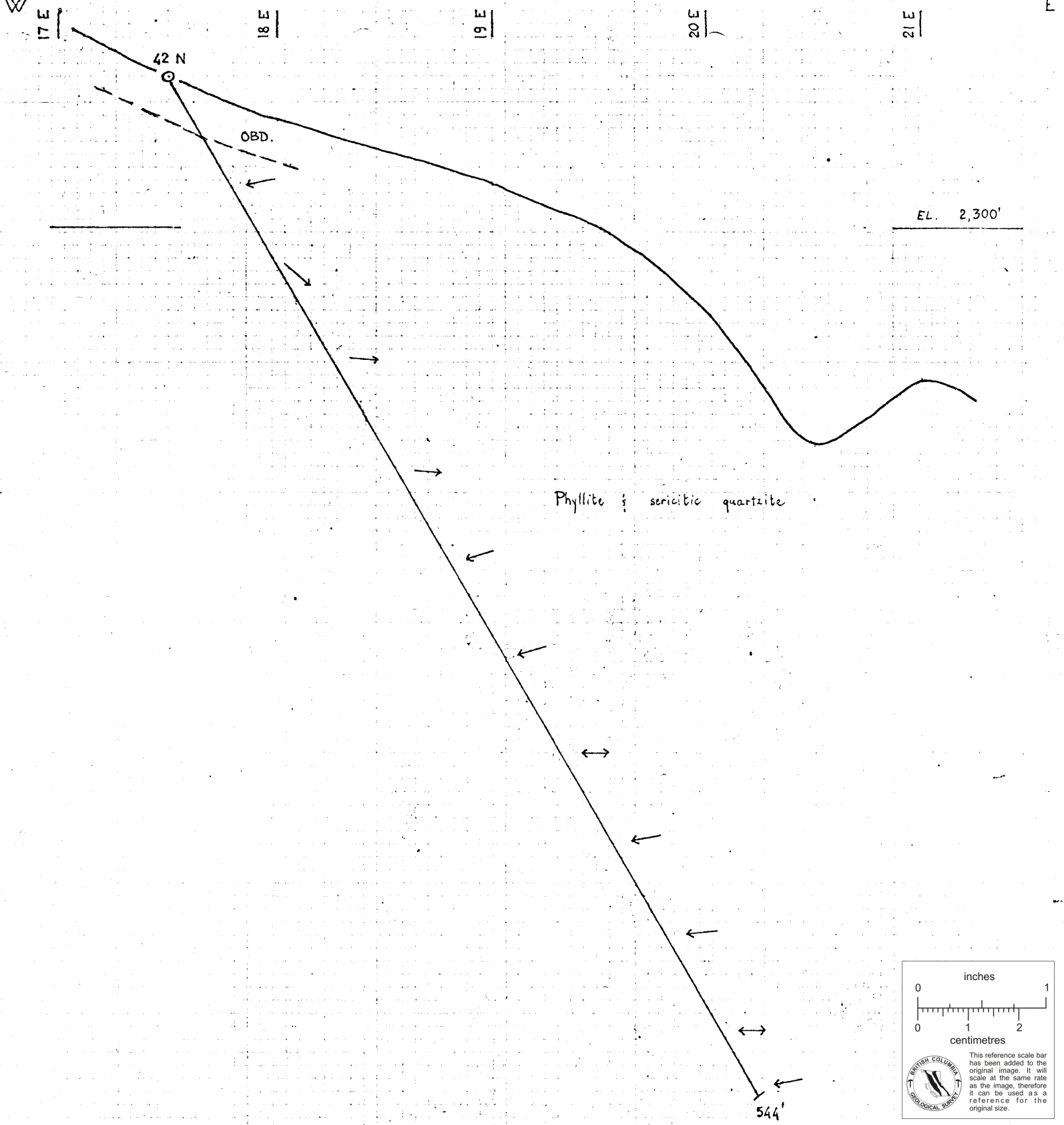
From recent drilling carried out on the fluorite zone, significant amounts of molybdenite and strontium have been indicated. The grade of the fluorite has been confirmed and the extent of the zone along strike has been increased.

A programme of grid drilling is required to fully evaluate the uranium bearing areas. Additional drill will be required as well to check other untested zones. A programme of tractor trenching is planned to investigate the areas of the molybdenum anomaly. On the fluorite zone, a programme of bulk sampling is being initiated. This work will be followed by appropriate metallurgical test work. If satisfactory results are obtained from the bulk sampling and metallurgical test work a feasibility study will be undertaken.

At this stage too many information gaps exist in favourable areas within the property to ignore the possible existence of other uranium or fluorite ore zones or an economic deposit of molybdenite mineralization. It is felt that additional exploration work is well warranted.

by:
P. Pisani
Geologist in Charge

January 29, 1970



DENISON MINES LTD.
 PROJECT REX
 VERTICAL X SECTION
 LOOKING NORTH
 HOLE DDH 69-1
 SCALE = 1" = 60'
 DEC. 1969.

S

17 N

18 N

19 N

N

21 E.

EL. 3,100'

CaF₂

MoS₂

U₃O₈

08D

Trachite

Pyrite - Mica

Trachite

.016	[.025
22'		.014
		.012
		.015
		.012

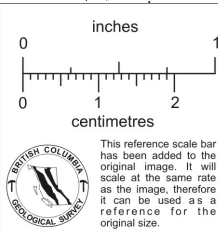
3.25
15.06

.113
10'

.007
.036
.020
.080
.037
.023
.075
.033
.014
[.143
-083
.010
.005
.038
.039
.007

.009
.009
.010
.051
.062
.067

350'



DENISON MINES LTD.

PROJECT REX

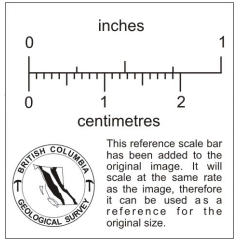
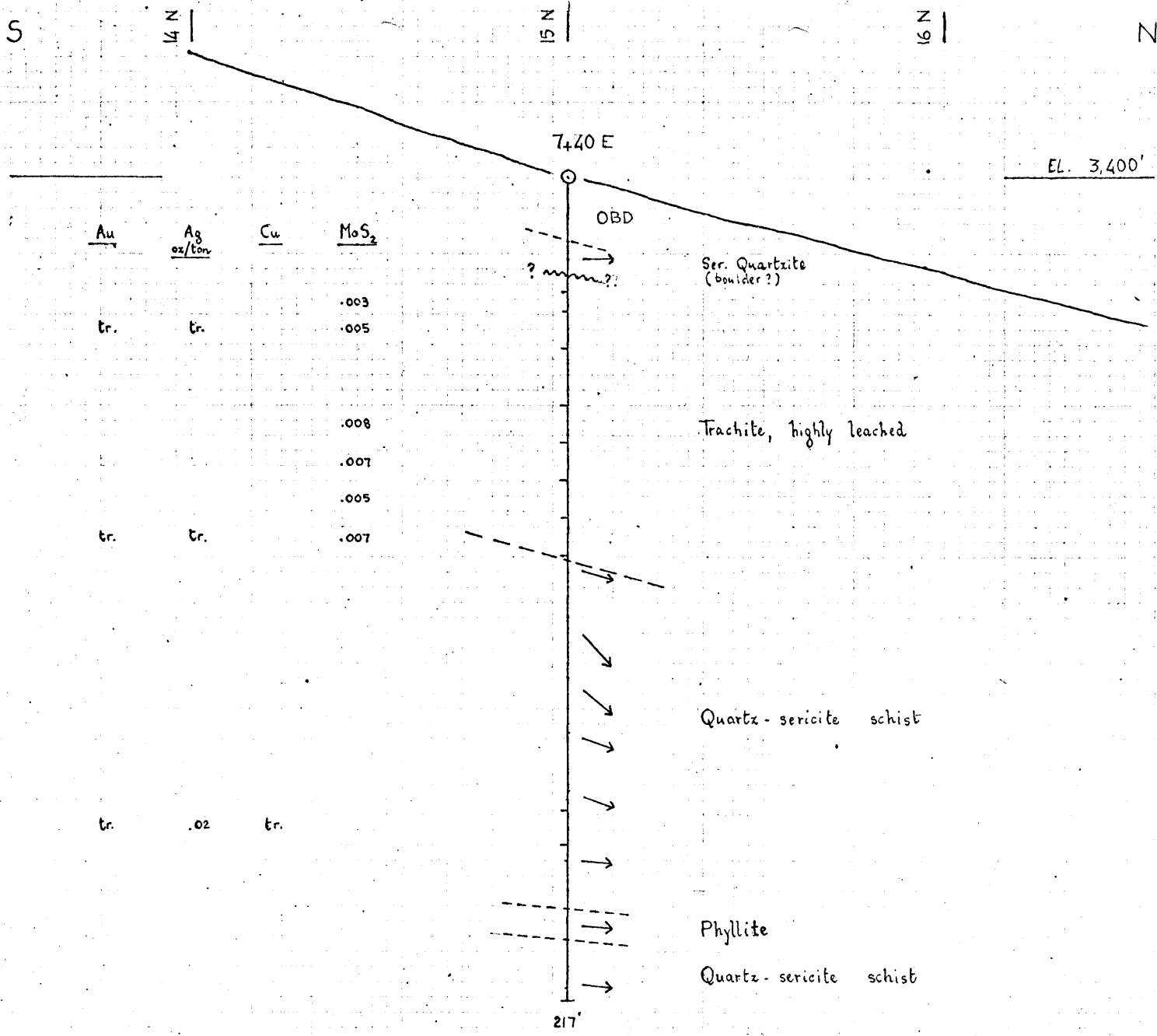
VERTICAL X SECTION

LOOKING WEST

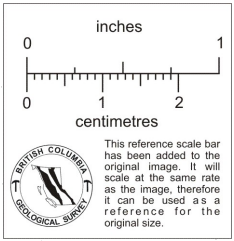
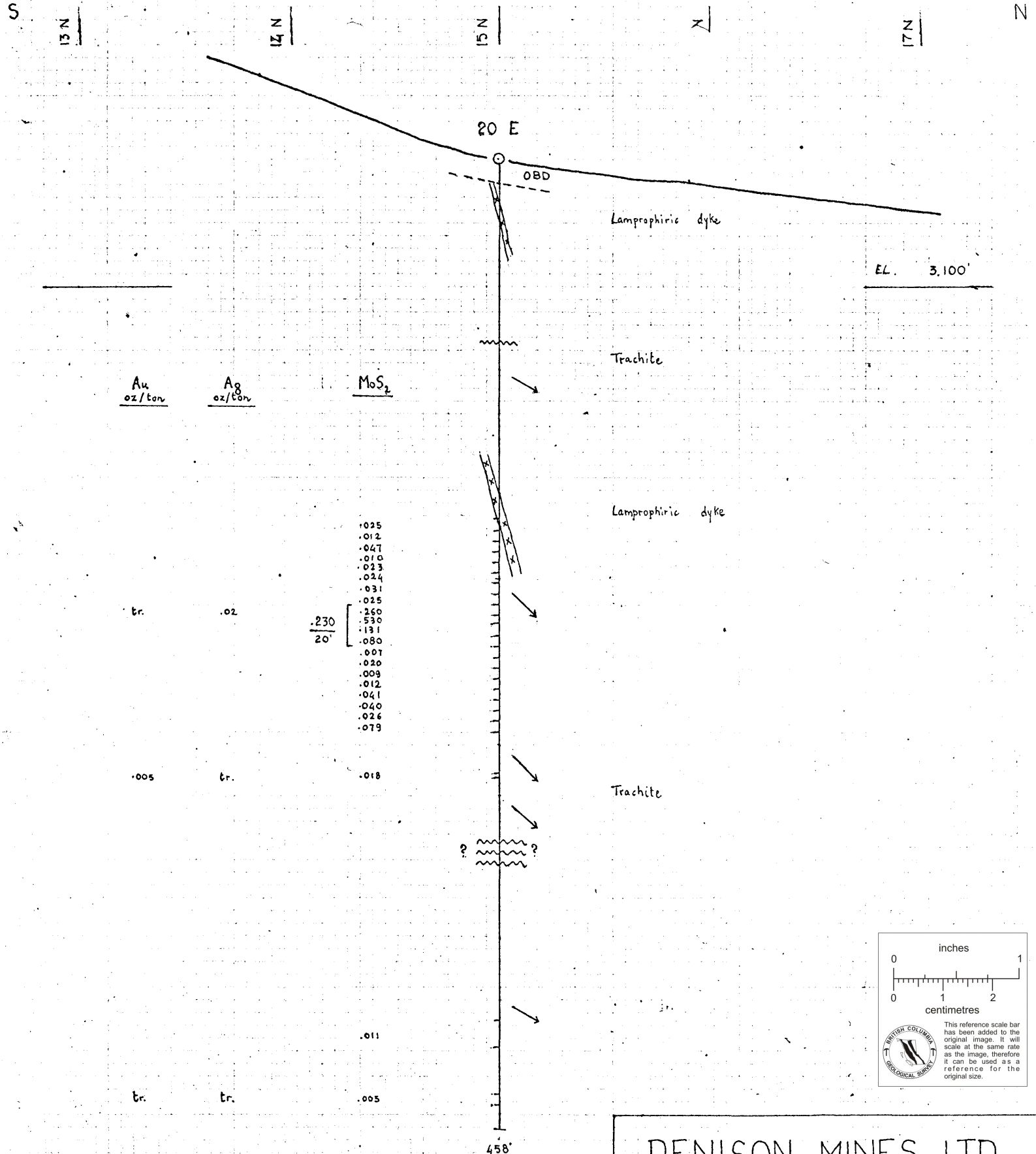
HOLE DDH 69-2

SCALE - 1" = 40'

DEC. 1969



DENISON MINES LTD.
 PROJECT REX
 VERTICAL X SECTION
 LOOKING WEST
 HOLE DDH 69-3
 SCALE = 1" = 40'
 DEC. 1969.



DENISON MINES LTD.
 PROJECT REX
 VERTICAL X SECTION
 LOOKING WEST
 HOLE DDH 69-4
 SCALE - 1" = 60'
 DEC. 1969.

S

14 N

15 N

16 N

N

EL. 3,300'

Au

Ag
oz/ton.

MoS₂

.008

tr.

.02

13 E

OBD. ?

Trachite

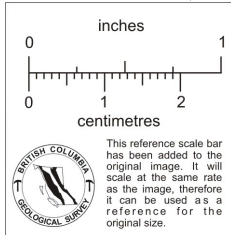
Trachite with 7' of non-radioactive P.M.

Trachite

Fault breccia?

Trachite

248'



DENISON MINES LTD.

PROJECT REX

VERTICAL X SECTION

LOOKING WEST

HOLE DDH 69-5

SCALE - 1" = 40'

DEC. 1969.

5

14 N

16 N

17 N

N

16 E

EL. 3,200'

MoS₂

OBD.

.010
 .002
 .003
 .001
 .001
 .006
 .007
 .002
 .002

Trachite

.020
 .005

Trachite, with 10' of non to slightly radioactive P.M.

Trachite

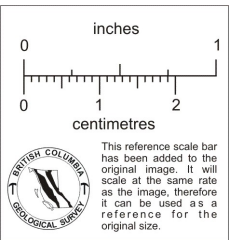
Trachite with lampr. dykes

Biotite schist with lampr. dykes

Schists fault breccia

Sericitic quartzite

534'



DENISON MINES LTD.

PROJECT REX

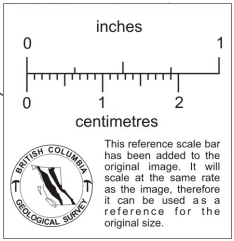
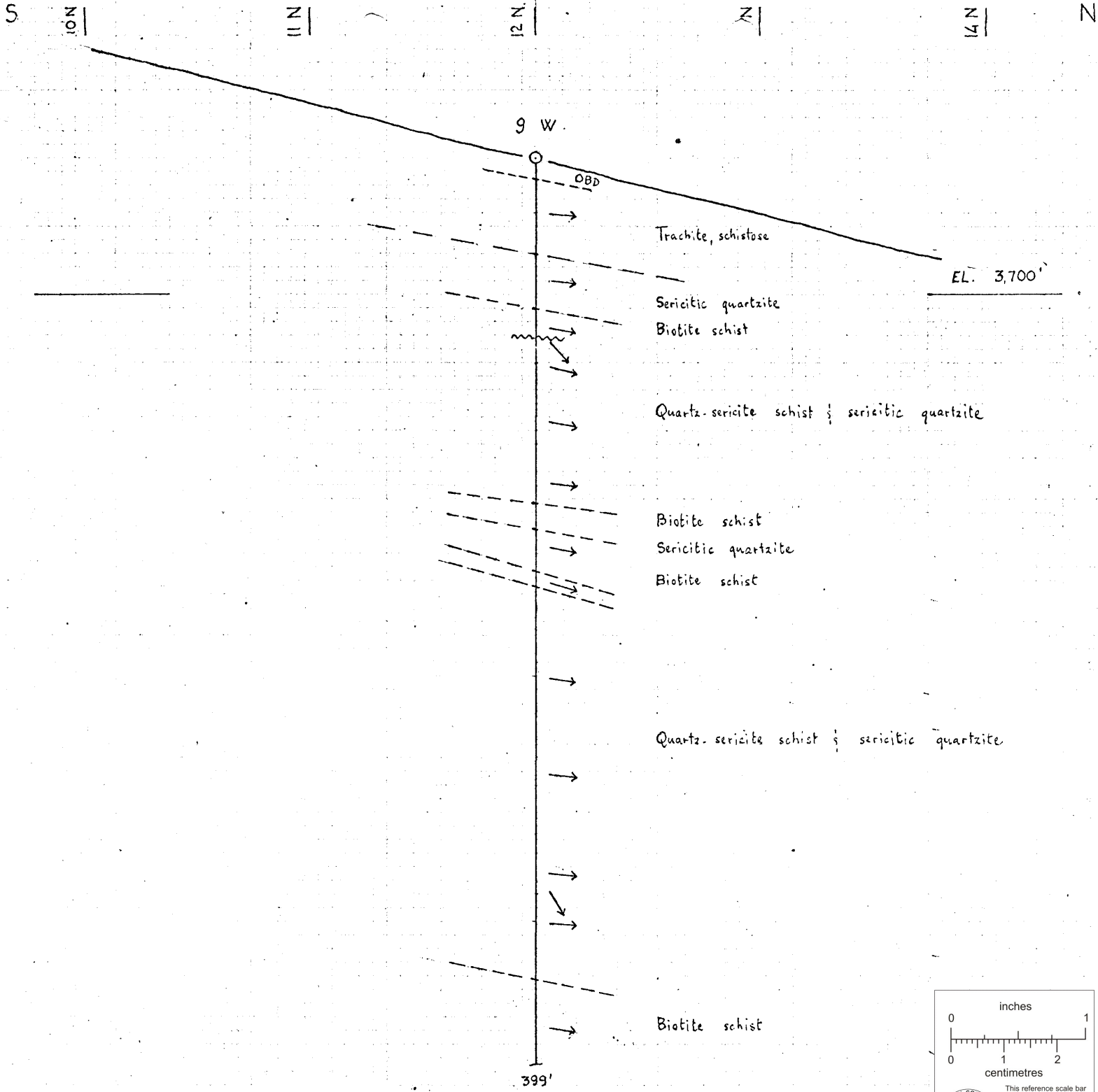
VERTICAL X SECTION

LOOKING WEST

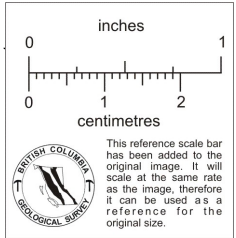
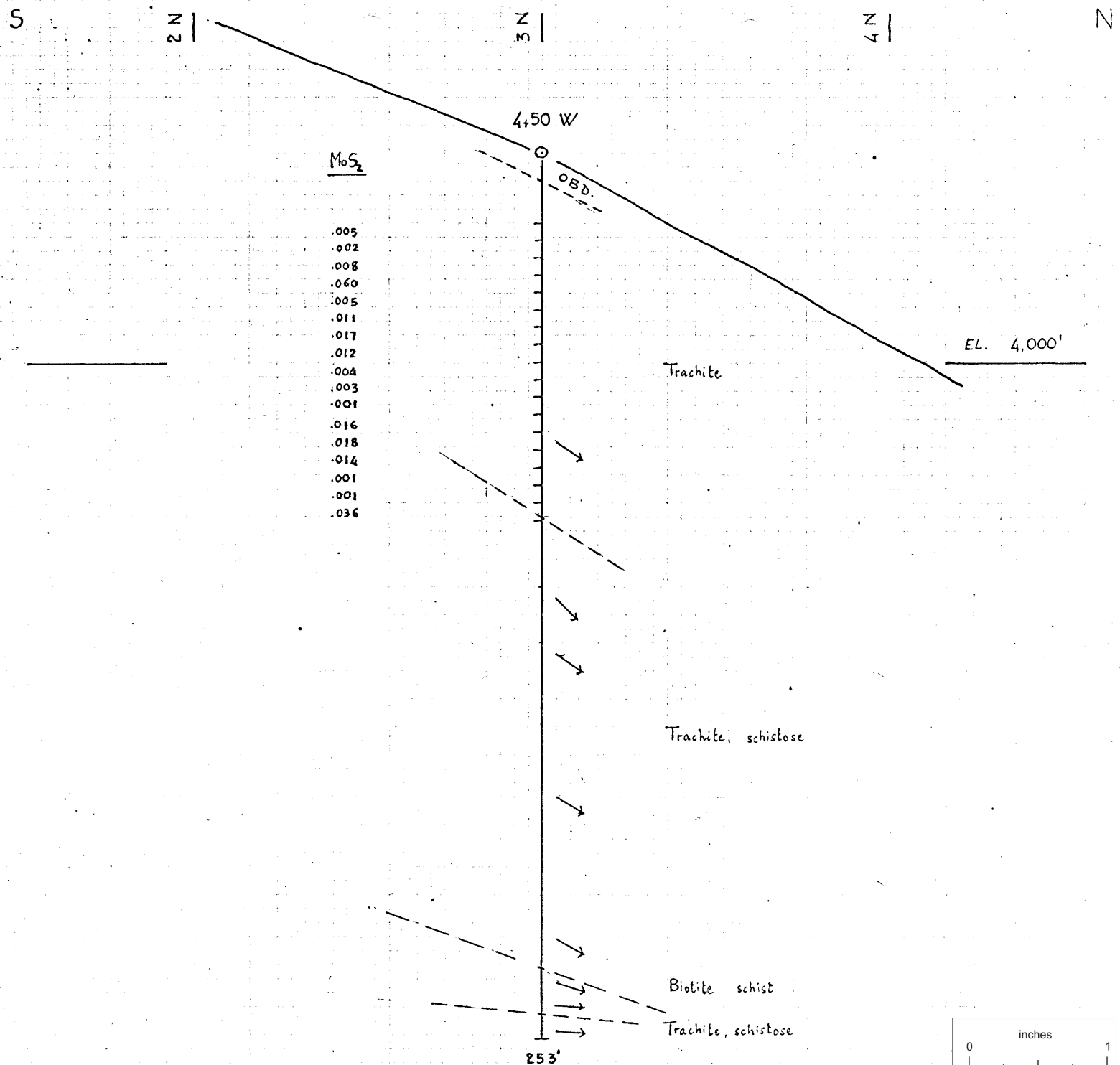
HOLE DDH 69-6

SCALE - 1" = 60'

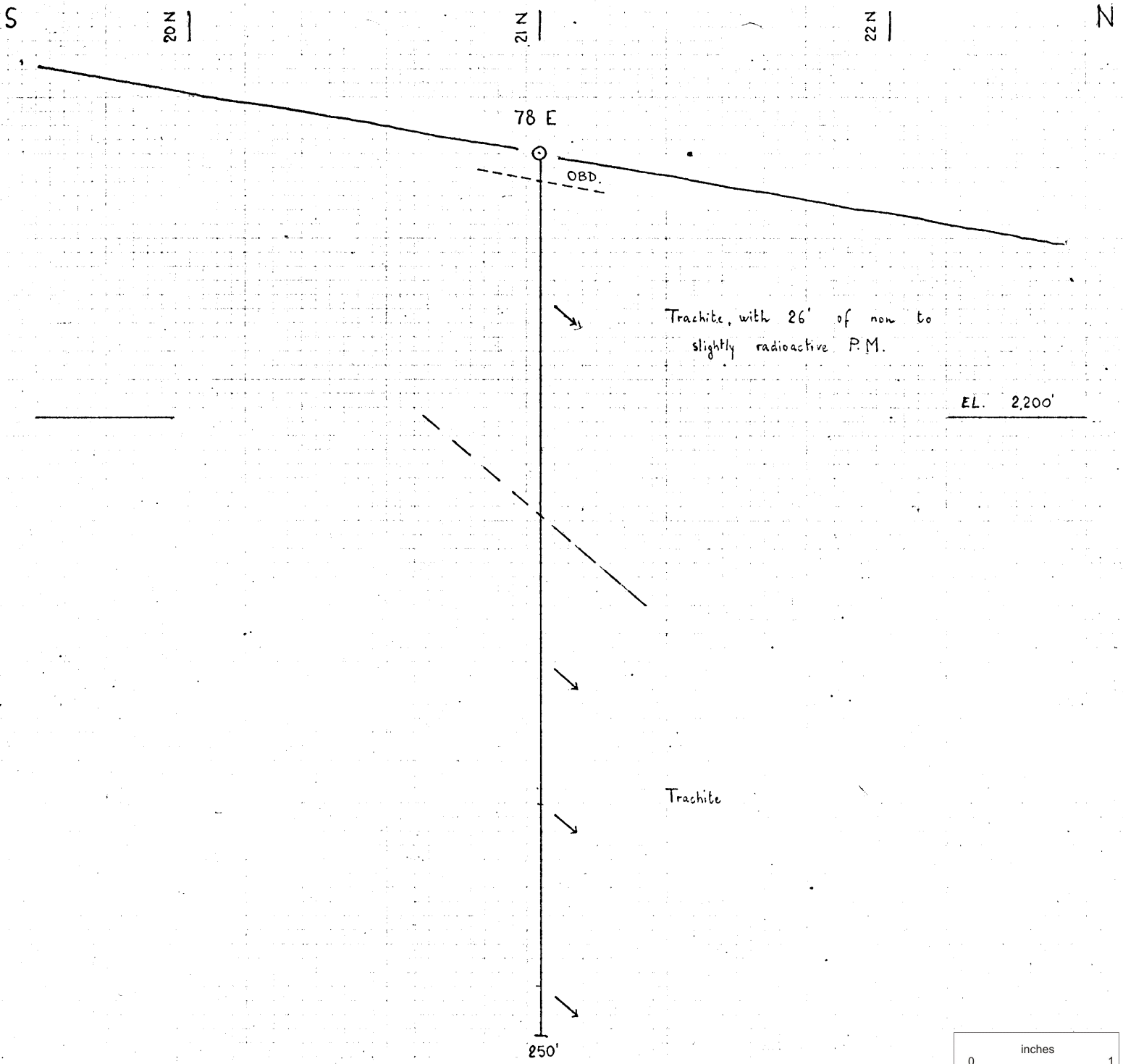
DEC. 1969.



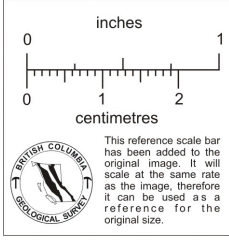
DENISON MINES LTD.
 PROJECT REX
 VERTICAL X SECTION
 LOOKING WEST
 HOLE DDH 69-7
 SCALE - 1" = 60'
 DEC. 1969.



DENISON MINES LTD.
 PROJECT REX
 VERTICAL X SECTION
 LOOKING WEST
 HOLE DDH 69-8
 SCALE - 1" = 40' DEC. 1969.



EL. 2200'



DENISON MINES LTD.
 PROJECT REX
 VERTICAL X SECTION
 LOOKING WEST
 HOLE DDH 69-9
 SCALE - 1" = 40' DEC. 1969.

S

4 S

3 S

2 S

N

0+50 E

OSD

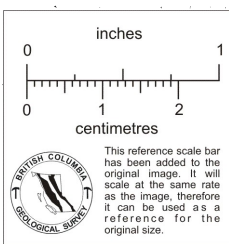
EL. 4,000'

Trachite

LOST CORE

LOST CORE

234



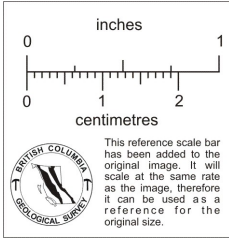
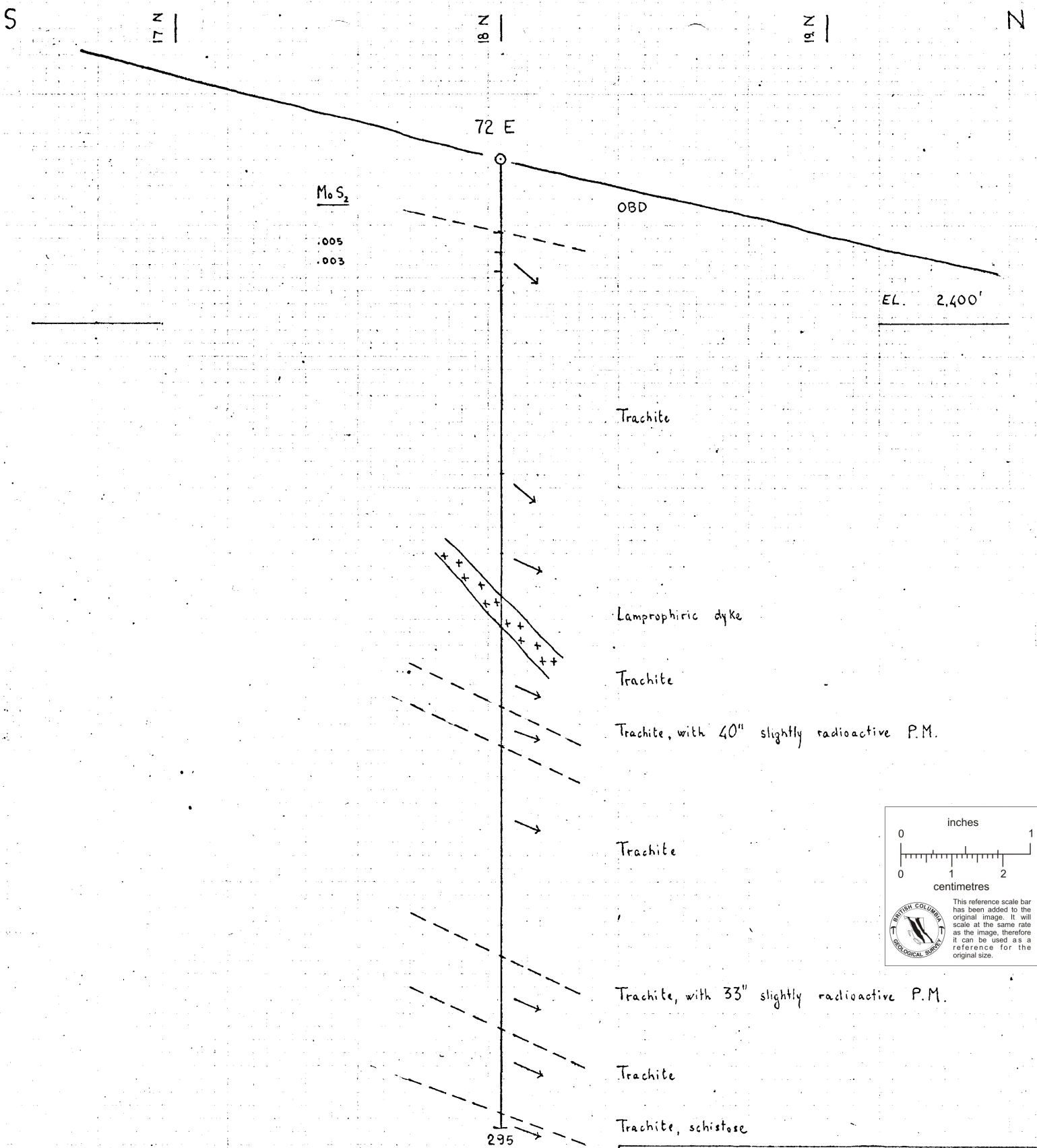
DENISON MINES LTD.
PROJECT REX

VERTICAL X SECTION
LOOKING WEST

HOLE DDH 69-10

SCALE - 1" = 40'

DEC. 1969.



DENISON MINES LTD.
PROJECT REX

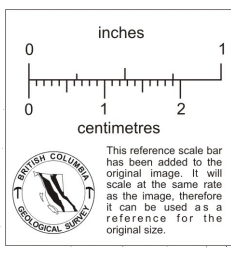
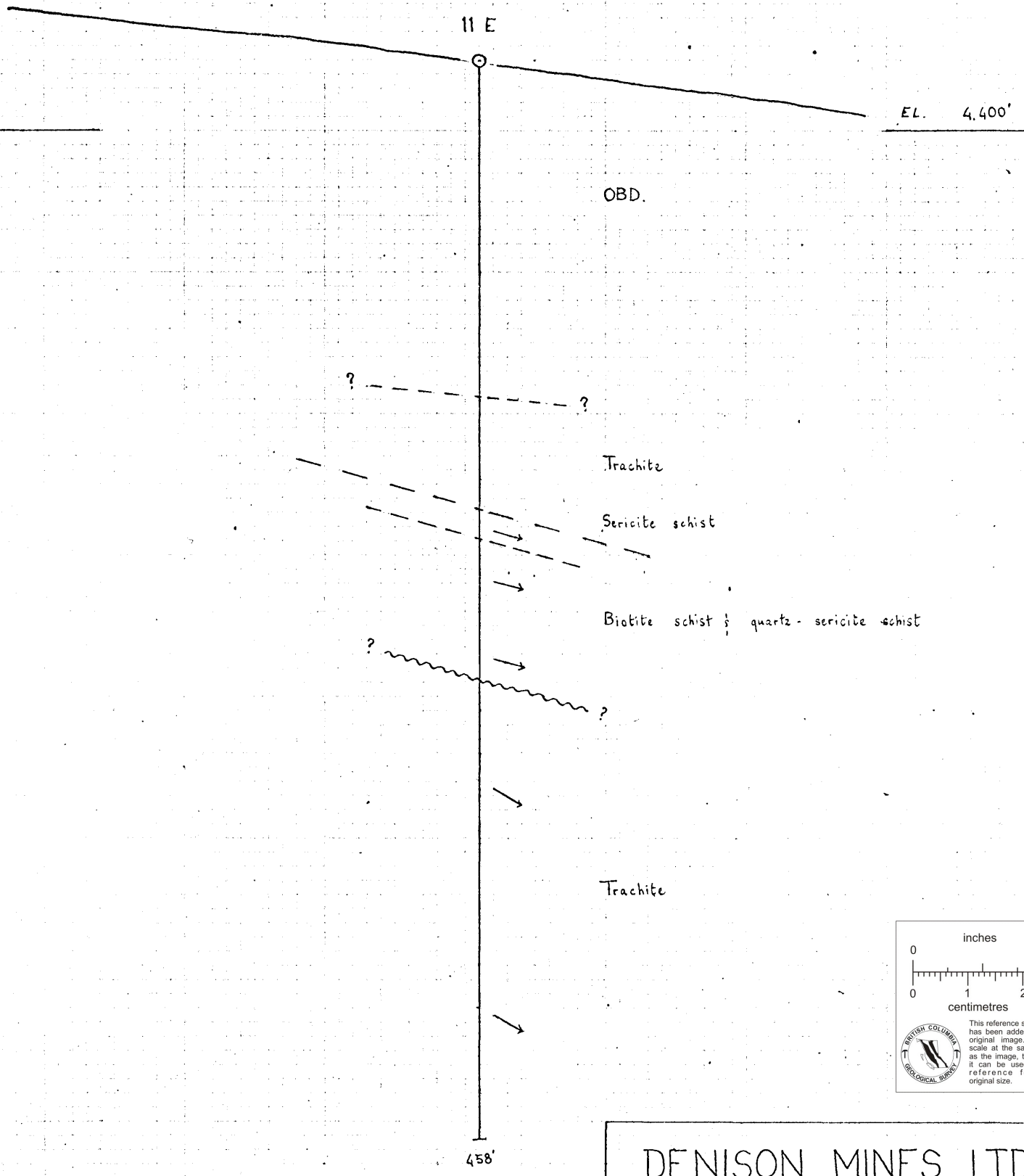
VERTICAL X SECTION
LOOKING WEST

HOLE DDH 69-II

SCALE -1" = 40'

DEC. 1969.

S 32 S 31 S 30 S B 28 S N



DENISON MINES LTD.
 PROJECT REX
 VERTICAL X SECTION
 LOOKING WEST
 HOLE DDH 69-12
 SCALE = 1" = 60' DEC. 1969.

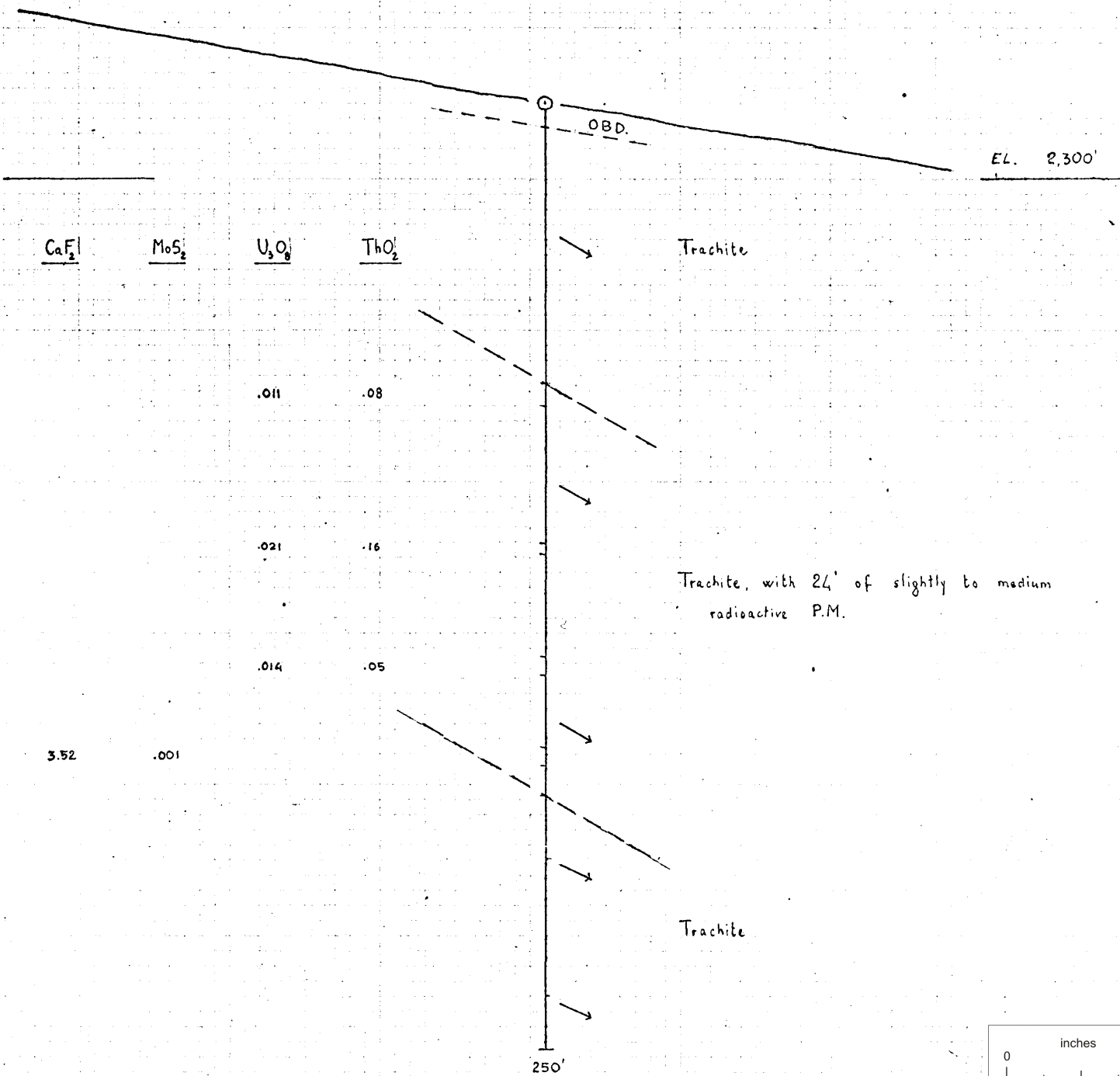
S

20 N

21 N

22 N

N



EL. 2,300'

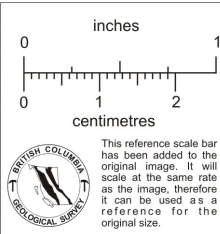
OBD.

Trachite

Trachite, with 24' of slightly to medium radioactive P.M.

Trachite

250'



DENISON MINES LTD.

PROJECT REX

VERTICAL X SECTION

LOOKING WEST

HOLE DDH 69-13

SCALE - 1" = 40'

DEC. 1969.

S

20 N

21 N

22 N

N

73 E

OBD.

Trachite

EL. 2,300'

MoS₂

U₃O₈

ThO₂

.003
 .003
 .004
 .001
 .001
 .001
 .003
 .004
 .001
 .002
 .001
 .005
 .002

.032

 .008
 .005
 .005

 .014
 .006

 .011
 .017

.09

 .018
 tr.
 .02

 .06
 .06

 .06
 .03

Trachite, with 30' of slightly to medium radioactive P.M.

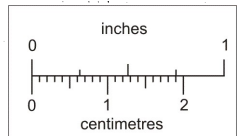
Trachite

Rhyolite-mica

Trachite

.002

312'



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

DENISON MINES LTD.

PROJECT REX

VERTICAL X SECTION

LOOKING WEST

HOLE DDH 69-14

SCALE - 1" = 40'

DEC. 1969.

S | Z | 12 N | 13 N | N

57 E.

EL. 2,800'

PbS MoS₂ U₃O₈ ThO₂

OBD.

Trachite

Trachite, with 22' of slightly to highly radioactive P.M.

Trachite

.048 .30
 $\frac{.058}{9'}$ [$\frac{.084}{.033}$] $\frac{.17}{9'}$ [$\frac{.27}{.07}$]

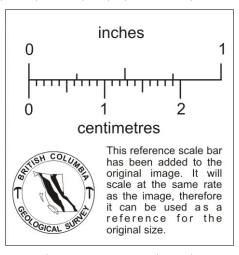
.060 .14
 .019 .11
 .019 .06
 .029 .05

.011 .15

.01 .015
 .05 .012

.010
 .008
 .030

309'



DENISON MINES LTD.
 PROJECT REX
 VERTICAL X SECTION
 LOOKING WEST
 HOLE DDH 69-15
 SCALE - 1" = 40'
 DEC. 1969.

S

31 S

30 S

29 S

N

3 E

EL. 4,500'

Sn

Pb

MoS₂

FF
FF
FF
FF
FF

.40

.25

.05

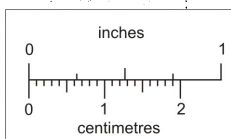
$\frac{.026}{65'}$

- .006
- .012
- .009
- .023
- .029
- .028
- .027
- .031
- .016
- .024
- .032
- .022
- .035
- .028
- .020
- .021
- .007
- .008
- .005
- .010



Trachite

268'



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PROJECT REX

VERTICAL X SECTION

LOOKING WEST

HOLE DDH 69-16

SCALE - 1" = 40'

DEC. 1969.

S

23N

24N

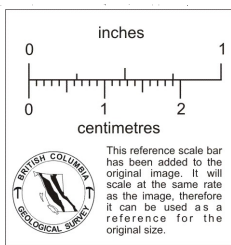
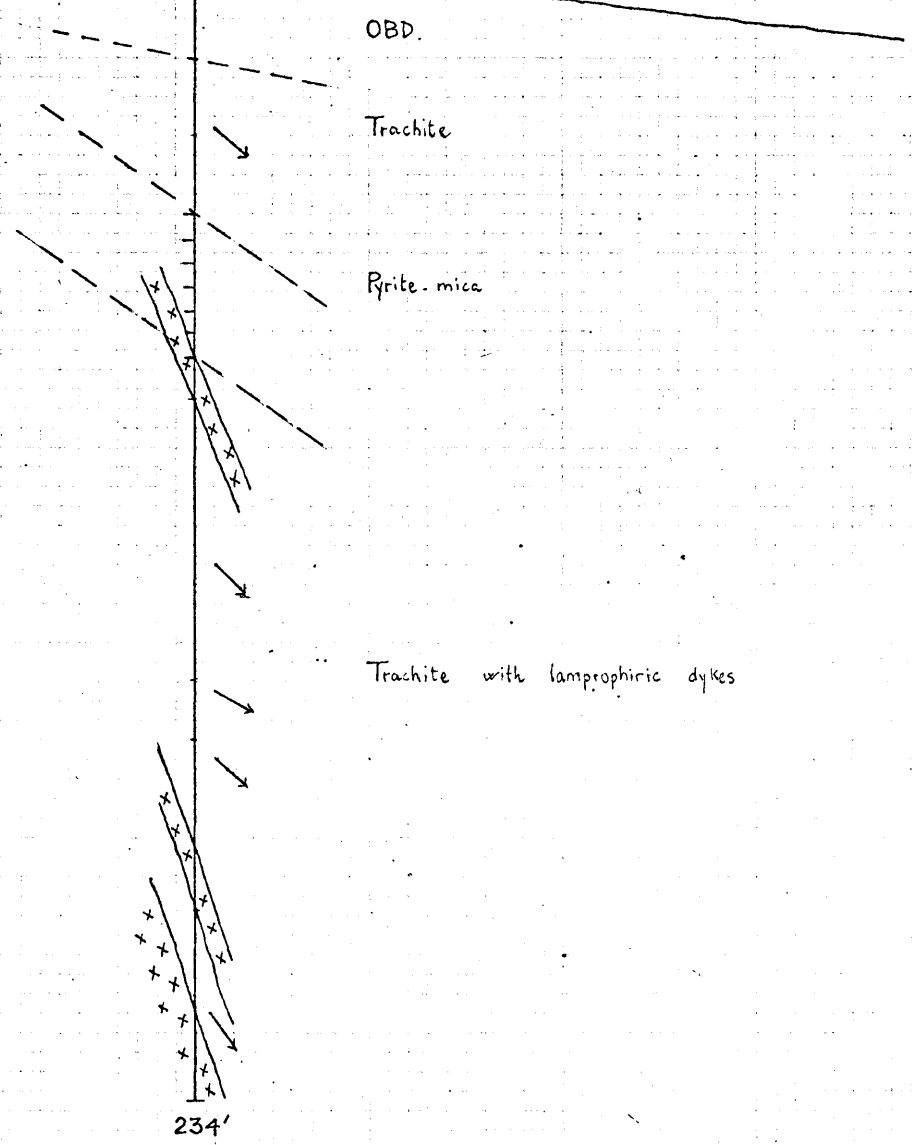
25N

N

EL. 2,800

37 E

	<u>U₃O₈</u>	<u>ThO₂</u>										
$\frac{.011}{20'}$	<table border="0"> <tr><td>.006</td></tr> <tr><td>.015</td></tr> <tr><td>.012</td></tr> <tr><td>.013</td></tr> <tr><td>.011</td></tr> </table>	.006	.015	.012	.013	.011	<table border="0"> <tr><td>.08</td></tr> <tr><td>.28</td></tr> <tr><td>.13</td></tr> <tr><td>.15</td></tr> <tr><td>.08</td></tr> </table>	.08	.28	.13	.15	.08
.006												
.015												
.012												
.013												
.011												
.08												
.28												
.13												
.15												
.08												



DENISON MINES LTD.

PROJECT REX

VERTICAL X SECTION

LOOKING WEST

HOLE DDH 69-17

SCALE - 1" = 40'

DEC. 1969.

S

20N

21N

22N

N

34E

OBD.

EL. 2,900'

U₃O₈

ThO₂

Trachite

Pyrite-mica

Trachite

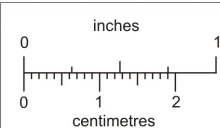
.008
.017
.020
.011
.010
.016
.015
.015
.020
.017
.023
.020
.009

$\frac{.016}{58'}$

.08

.08

224'



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DENISON MINES LTD.

PROJECT REX

VERTICAL X SECTION
LOOKING WEST

HOLE DDH 69-18

SCALE - 1" = 40'

DEC. 1969

S

2N

3N

4N

N

37E

OBD

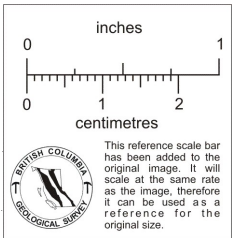
EL. 3,400'

Trachite with lamprophiric dykes

LOST CORE

Trachite with lamprophiric dykes

154'



DENISON MINES LTD.

PROJECT REX

VERTICAL X SECTION

LOOKING WEST

HOLE DDH 69-19

SCALE - 1" = 40'

DEC. 1969.

S

19S

18S

17S

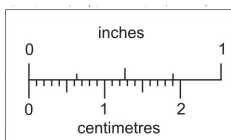
N

5+50E

EL. 4,200'

Trachite

249'



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PROJECT REX

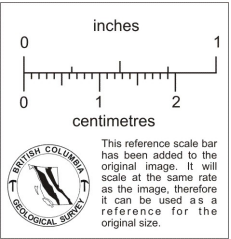
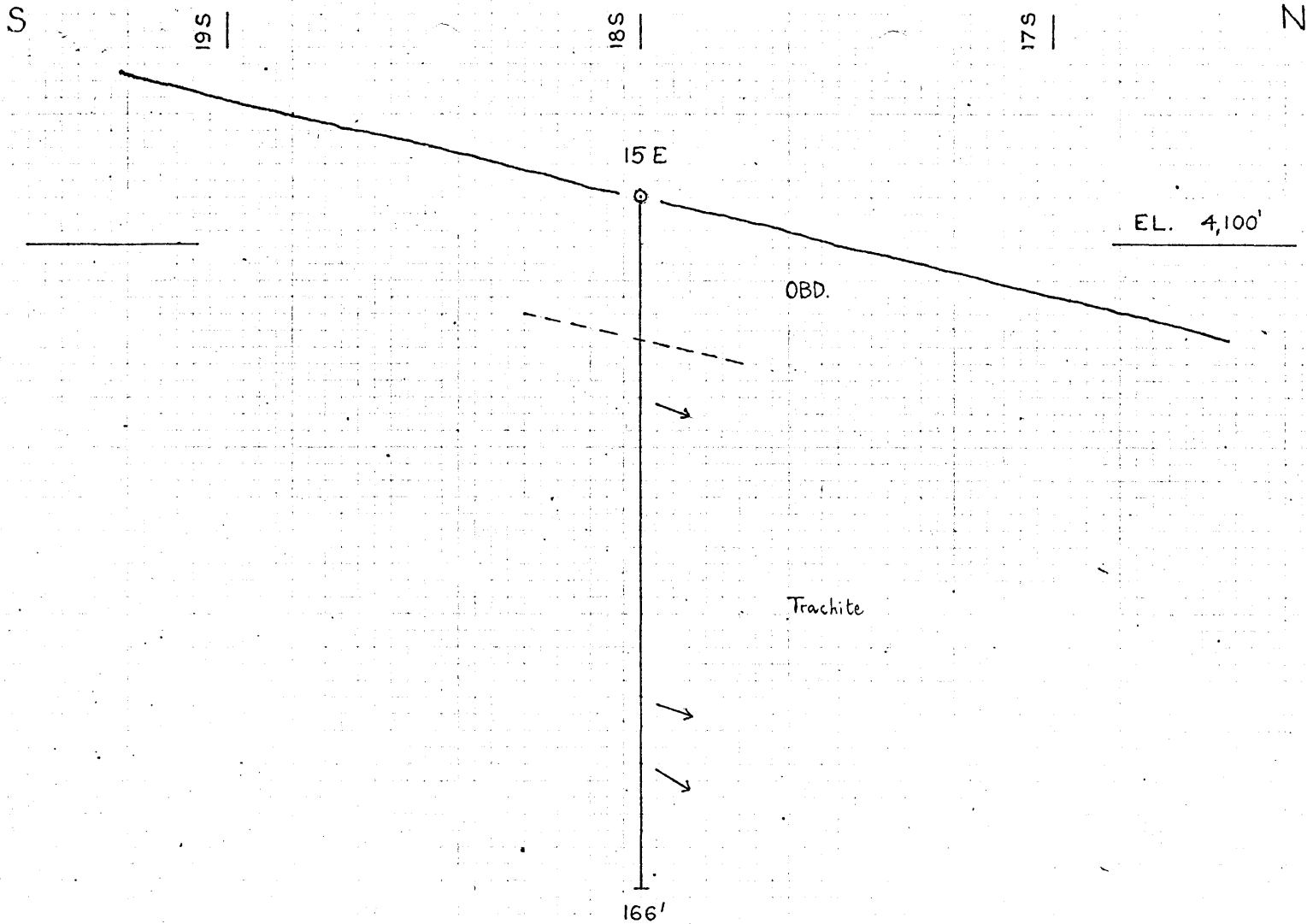
VERTICAL X SECTION

LOOKING WEST

HOLE DDH 69-20

SCALE - 1" = 40"

DEC. 1969.



DENISON MINES LTD.
 PROJECT REX
 VERTICAL X SECTION
 LOOKING WEST
 HOLE DDH 69-21
 SCALE - 1" = 40' DEC. 1969.

S

25S

24S

23S

N

24 W

EL. 3,800'

OBD.

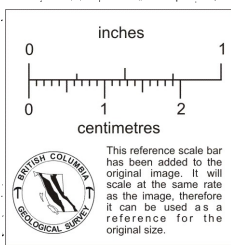
Trachite, blocky, oxidized

Trachite & quartz-sericite schist

Quartz-sericite schist

Biotite schist

178'



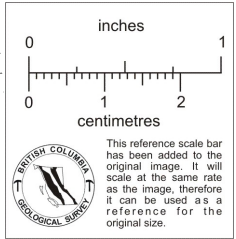
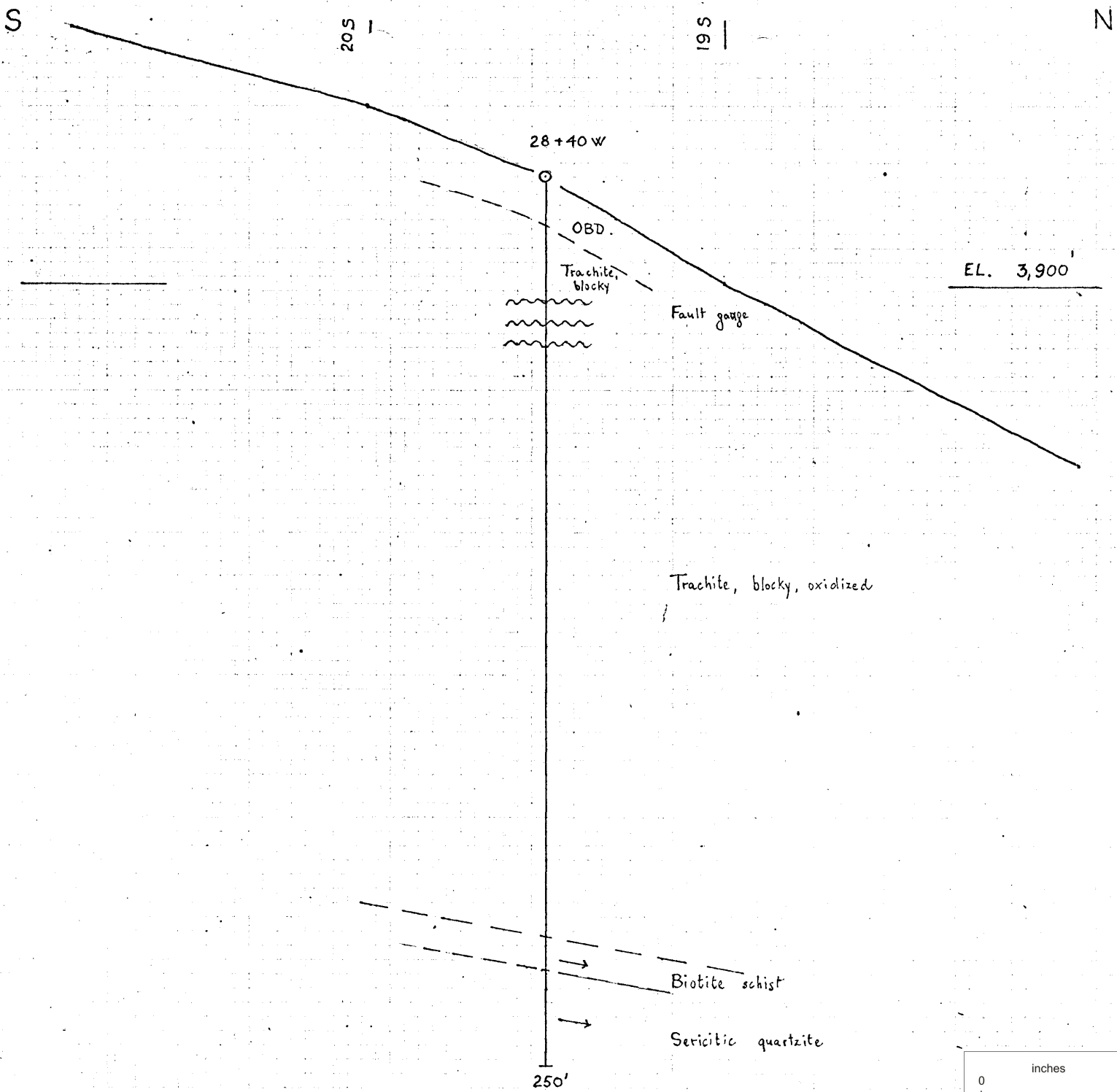
DENISON MINES LTD.
PROJECT REX

VERTICAL X SECTION
LOOKING WEST

HOLE DDH 69-22

SCALE - 1" = 40'

DEC. 1969



DENISON MINES LTD.
 PROJECT REX
 VERTICAL X SECTION
 LOOKING WEST
 HOLE DDH 69-23
 SCALE - 1" = 40'
 DEC. 1969.

-W

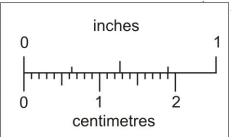
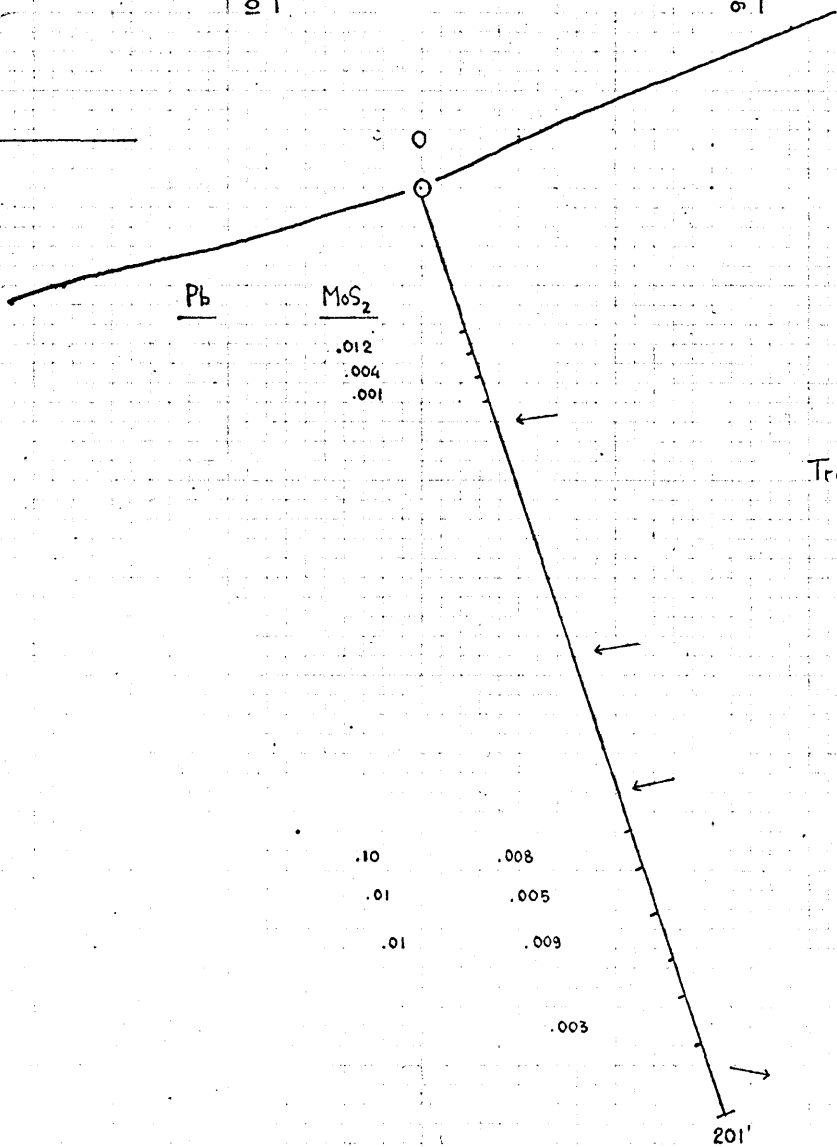
10 W

9 W

8 W

E

EL. 4,100'



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PROJECT REX

VERTICAL X SECTION
LOOKING NORTH

HOLE DDH 69-24

SCALE - 1" = 40'

DEC. 1969.