



31F06SE9559 11 GRIFFITH

### Diamond Drilling

Township of Griffith

Report NO: 11

Work performed by: North American Molybdenum Corp.

Claim NO	Hole NO	Footage	Date	Note
N $\frac{1}{2}$ Lot 31, Con IV	TK 1			Cross-sections only. Drilling performed 1939-40.
	4			
	6			
	8			
	9			
	15			
	19			
	20			
	21			
	25			
	31			
	34			
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53				

#### Notes:

Received from Dr. Satterly's files 1970.

Includes property report by H. C. Horwood (1940).



## NORTH AMERICAN MOLYBDENUM CORPORATION (Spain)

by

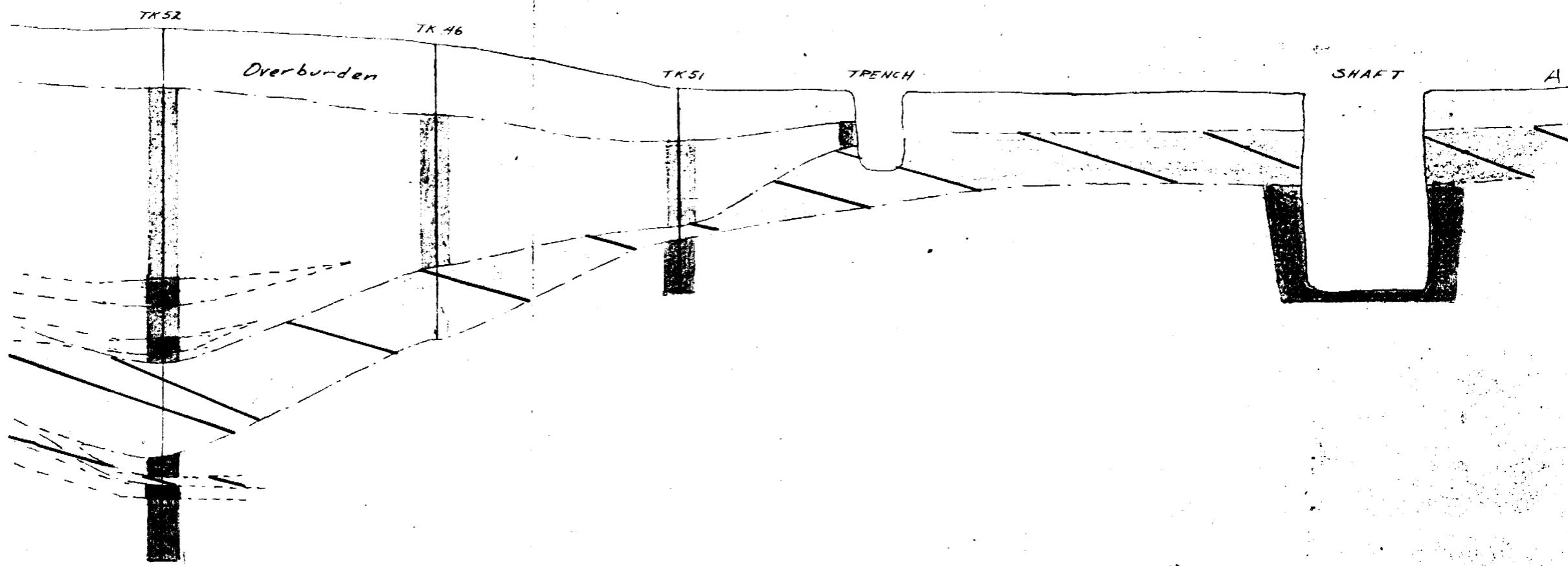
H. C. Horwood (1940)

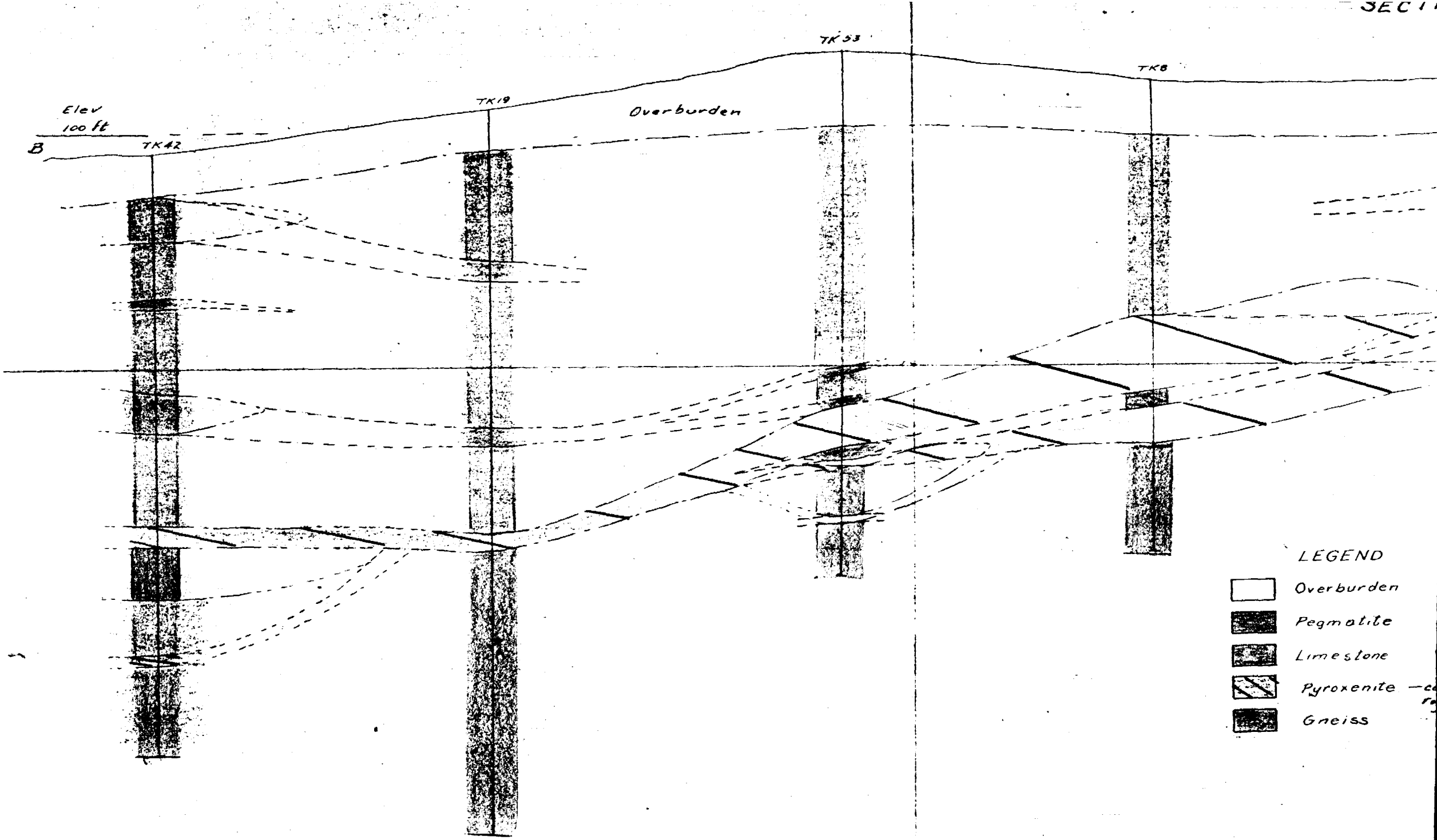
The North American Molybdenum Corporation, also known as the Spain property, did some stripping and trenching and considerable diamond-drilling in 1939 and in the spring of 1940. The drilling outlined a flat dipping zone of pyroxene limestone that contains some pyrite and some molybdenite. This zone appears to lie along the contact of an injected biotite gneiss formation and Grenville limestone. Both formations have been intruded by masses of pegmatite. It is believed that the mineralization is associated with the pegmatite. The zone outlined has an areal extent of about 200 feet by 55 feet, and an average thickness, as determined by diamond-drilling, of about 5 feet. Such a body should contain about 5,200 tons of material. As the flakes of molybdenum are large and erratically distributed in the pyroxene limestone it was not possible to ascertain the per cent molybdenite from the diamond-drill intersections.

The attitude of the molybdenite-bearing zone, its thickness, irregularities and interruptions in the zone due to rolls and dike-like masses of barren rock, the small tonnage outlined by diamond-drilling, and the present low price of molybdenite, all indicate that the deposit is not of commercial importance.






Early work and production is summarized by Bardley-Wilmot, pp. 101-102.

SECTION A - A

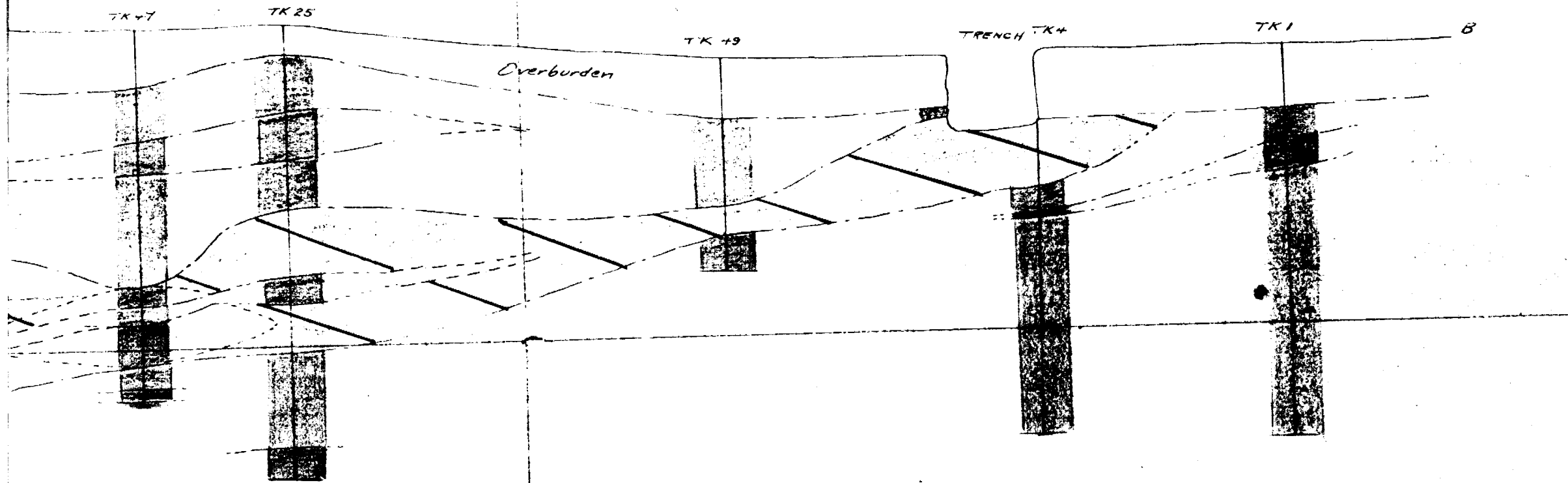




LEGEND

-  Overburden
-  Pegmatite
-  Limestone
-  Pyroxenite
-  Gneiss

CUTTON

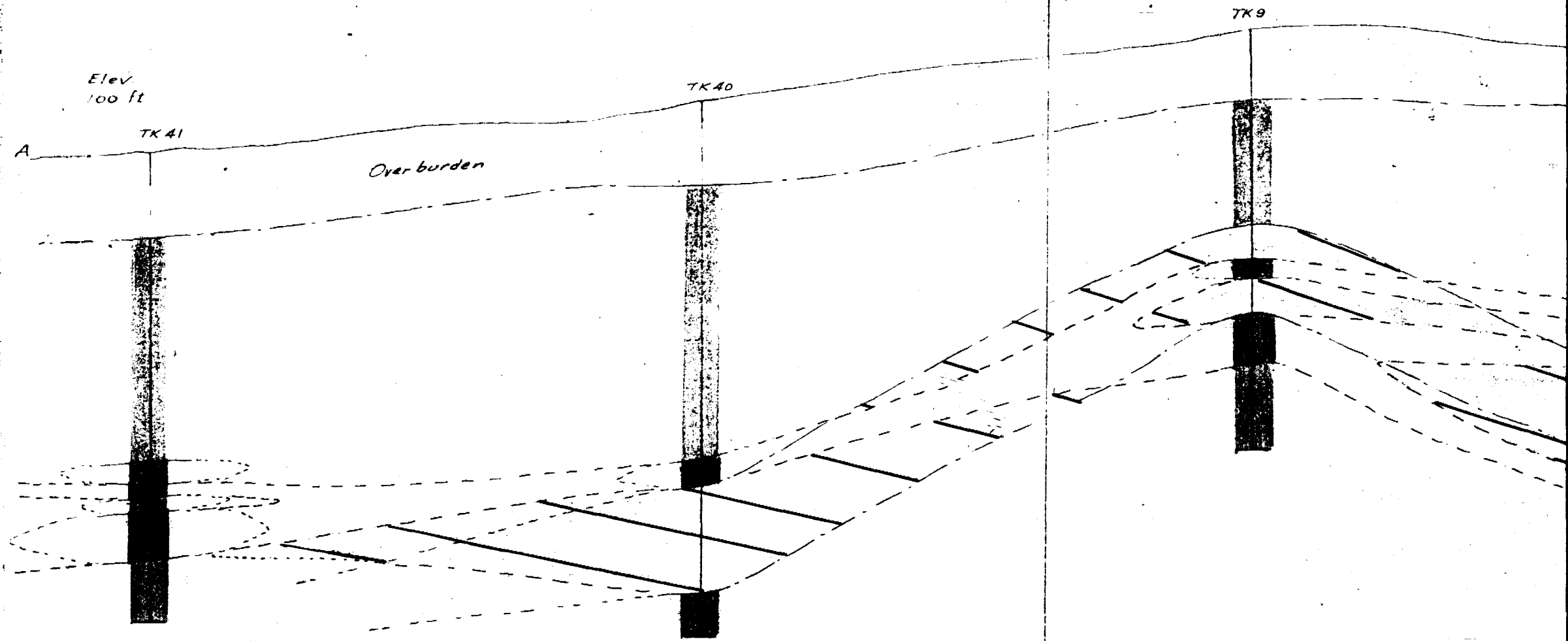


LONGITUDINAL SECTIONS  
OF  
ORE ZONE NO. 1  
NORTH AMERICAN MOLYBDENUM MINE

Scale 1 inch = 10 ft.

--- projection by H.C.H.

te - contains  $FeS_2$  and  $H_2S_2$ , and is regarded as the ore zone



Elev.  
100 ft

TK41

A

Overburden

TK40

TK9

# SECTION D — D

TK 15









TK 31

TK 20

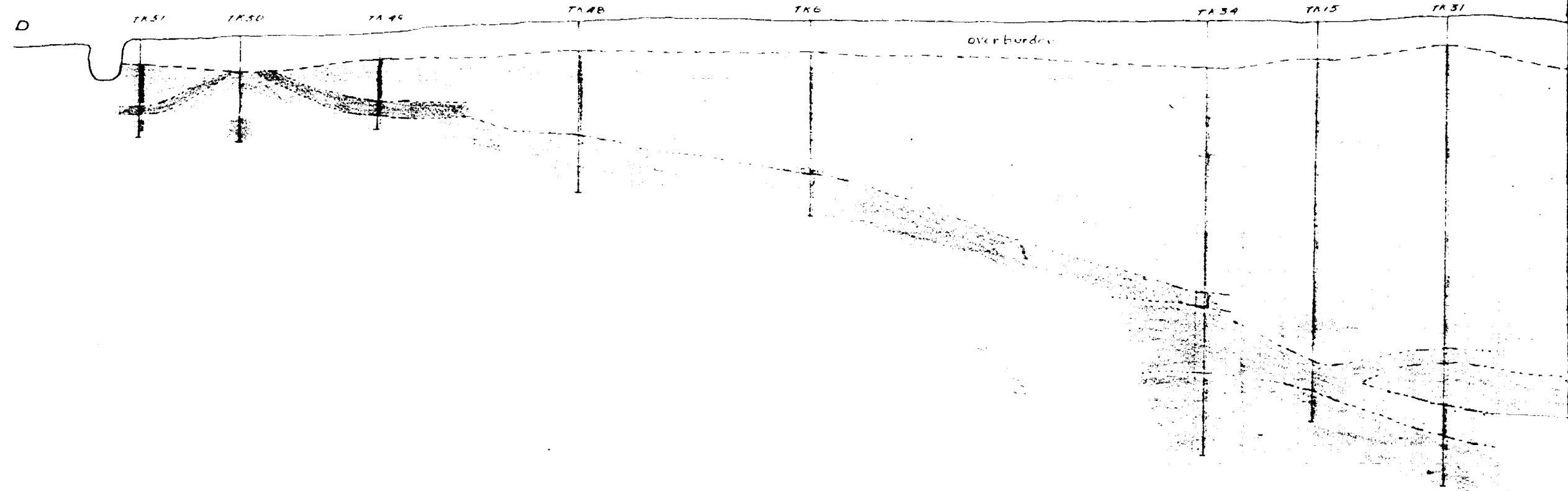
TK 21

overburden

## LEGEND

-  Overburden
-  Pegmatite
-  Pyroxenite molybdenite-bearing
-  Gneiss
-  Limestone
-  Boundary No 1 Ore Zone
-  Location of drill holes
-  Trench

SECTION



PLAN AND CROSS SECTION  
AREA OF DRILLED  
ILLUSTRATING STRUCTURE  
NORTH AMERICAN MOLYBDENUM MINE

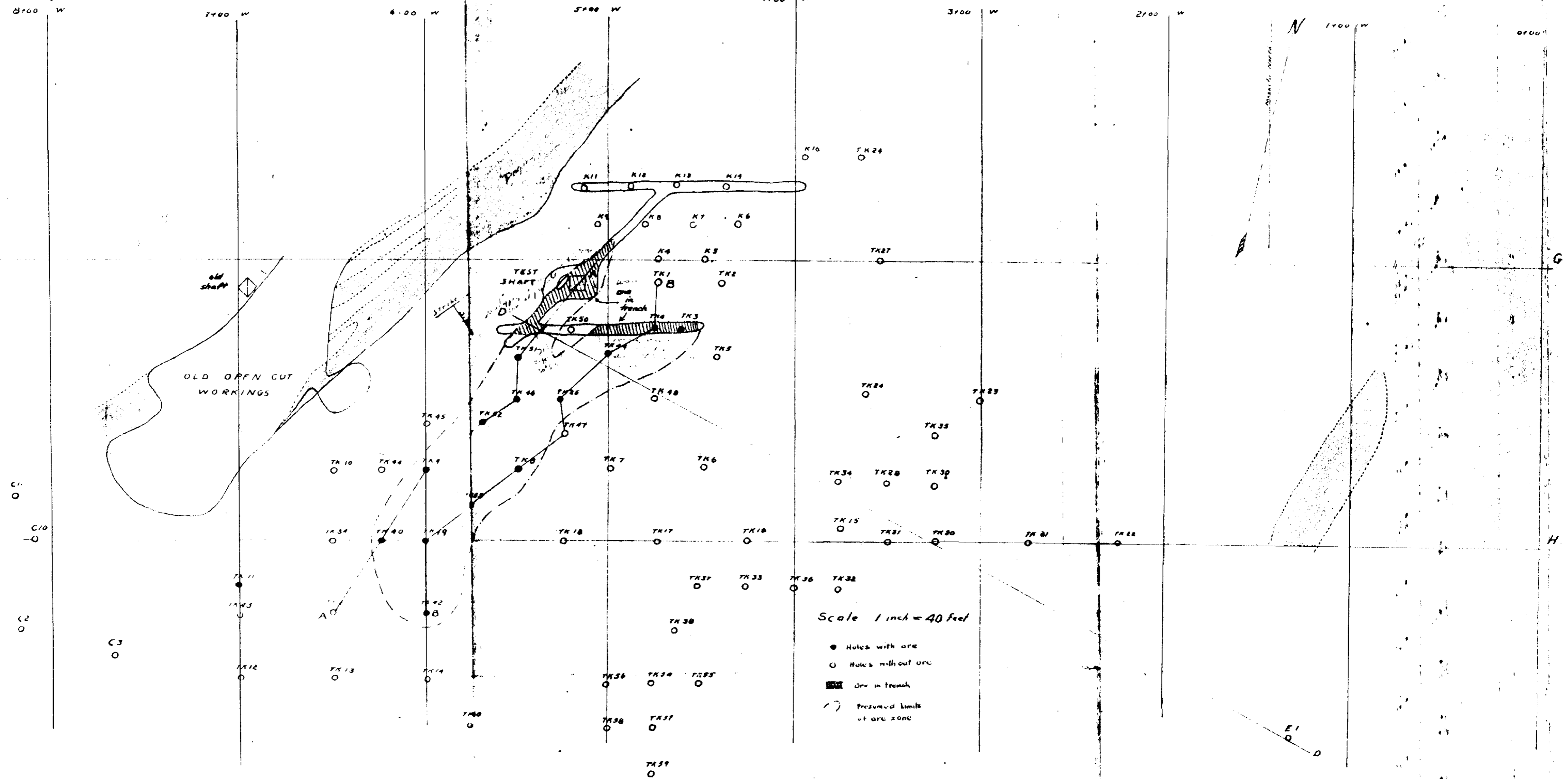
Scale 1 inch = 20 feet for cross section

ONTARIO DEPT. OF MINES  
J SATTERLY

TA 10  
0



PLAN



ONTARIO DEPT. OF MINES  
J. SATTERLY



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