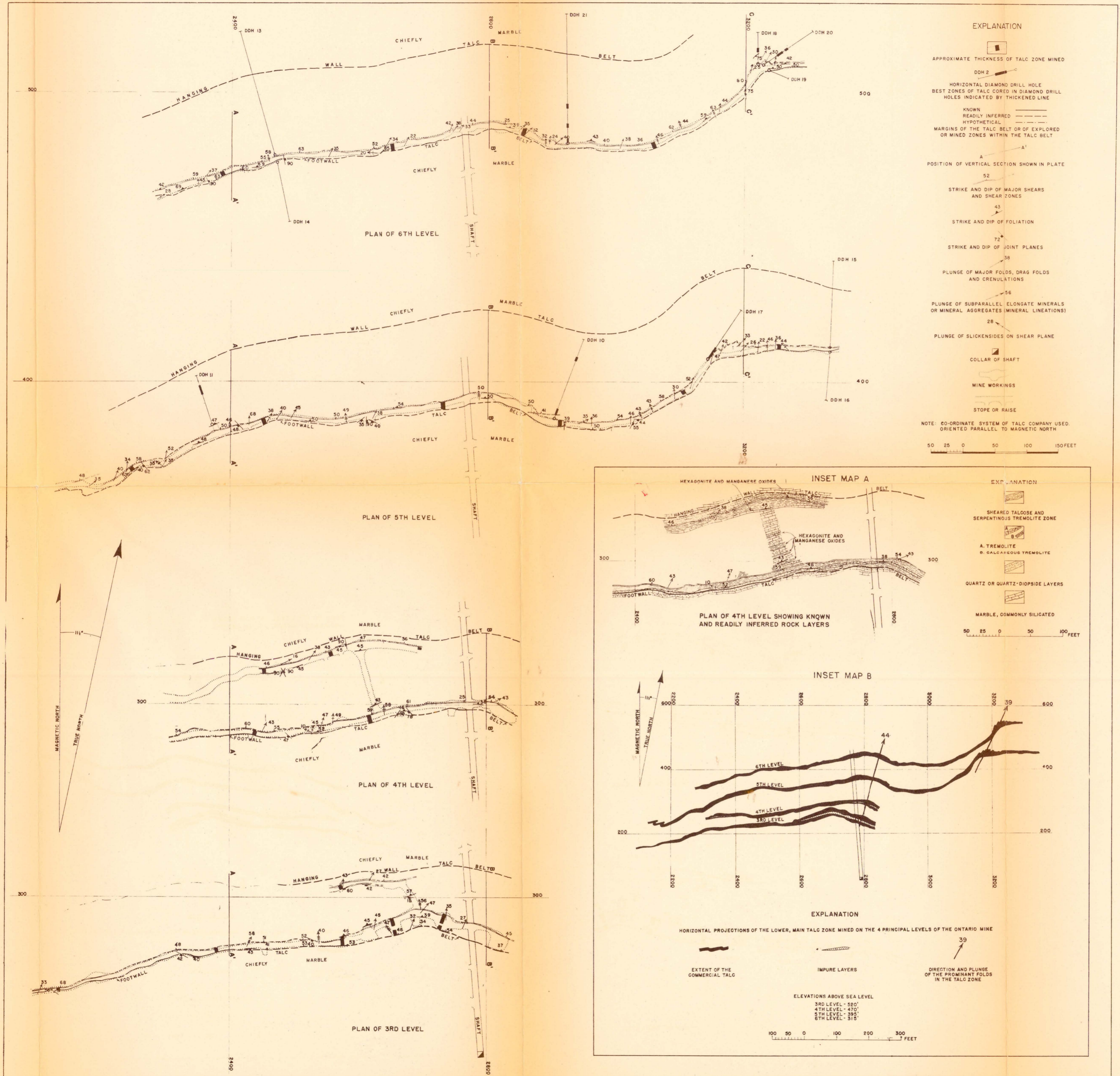


This map is preliminary and has not been edited for conformity with Geological Survey format and nomenclature.



EXPLANATION

- APPROXIMATE THICKNESS OF TALC ZONE MINED
 - DDH 2
 - HORIZONTAL DIAMOND DRILL HOLE
 - BEST ZONES OF TALC CORED IN DIAMOND DRILL HOLES INDICATED BY THICKENED LINE
 - KNOWN
 - READILY INFERRED
 - HYPOTHETICAL
 - MARGINS OF THE TALC BELT OR OF EXPLORED OR MINED ZONES WITHIN THE TALC BELT
 - POSITION OF VERTICAL SECTION SHOWN IN PLATE
 - STRIKE AND DIP OF MAJOR SHEARS AND SHEAR ZONES
 - STRIKE AND DIP OF FOLIATION
 - STRIKE AND DIP OF JOINT PLANES
 - PLUNGE OF MAJOR FOLDS, DRAG FOLDS AND CRENULATIONS
 - PLUNGE OF SUBPARALLEL ELONGATE MINERALS OR MINERAL AGGREGATES (MINERAL LINEATIONS)
 - PLUNGE OF SLICKENSIDES ON SHEAR PLANE
 - COLLAR OF SHAFT
 - MINE WORKINGS
 - STOPE OR RAISE
- NOTE: CO-ORDINATE SYSTEM OF TALC COMPANY USED. ORIENTED PARALLEL TO MAGNETIC NORTH
- 50 25 0 50 100 150 FEET

EXPLANATION

- SHEARED TALC AND SERPENTINOUS TREMOLITE ZONE
 - A. TREMOLITE
 - B. CALCAEUS TREMOLITE
 - QUARTZ OR QUARTZ-DIOPSIDE LAYERS
 - MARBLE, COMMONLY SILICATED
- 50 25 0 50 100 FEET

EXPLANATION

- HORIZONTAL PROJECTIONS OF THE LOWER, MAIN TALC ZONE MINED ON THE 4 PRINCIPAL LEVELS OF THE ONTARIO MINE
 - EXTENT OF THE COMMERCIAL TALC
 - IMPURE LAYERS
 - DIRECTION AND PLUNGE OF THE PROMINANT FOLDS IN THE TALC ZONE
- ELEVATIONS ABOVE SEA LEVEL
- 3RD LEVEL - 320'
4TH LEVEL - 470'
5TH LEVEL - 395'
6TH LEVEL - 515'
- 100 50 0 100 200 300 FEET

SUBSURFACE GEOLOGY OF THE ONTARIO MINE

FOWLER TOWNSHIP, ST. LAWRENCE COUNTY, NEW YORK

50 25 0 50 100 150 200 250 FEET

PLATE #30

GEOLOGY BY A. E. J. ENGEL, JUNE 1945

PLATE 30

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