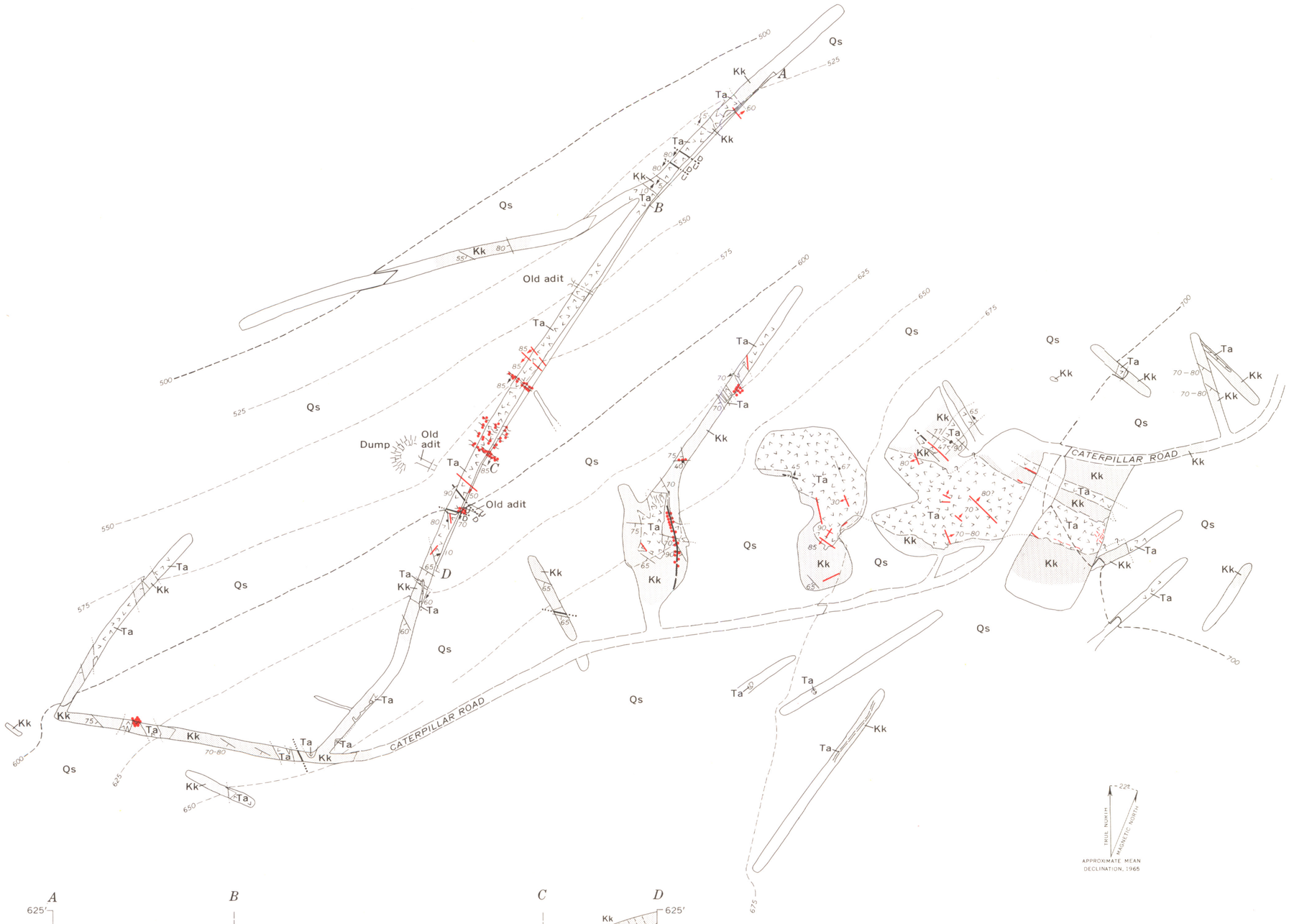

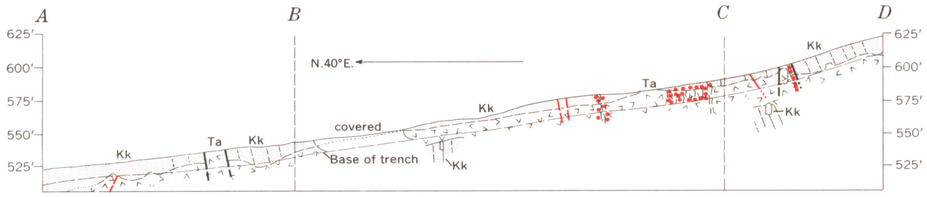

SECTION ALONG LINE A-B-C-D

View oriented as actually exposed in trench; geology projected to trench level

50 0 50 100 150 200 FEET

CONTOUR INTERVAL 25 FEET

ALTITUDES APPROXIMATE WITH DATUM AT MEAN SEA LEVEL

EXPLANATION

QUATERNARY

Qs — Surficial deposits

Principally windblown silt and frost-broken regolith covered by peat and tundra

TERTIARY(?)

Ta — Altered igneous rock

At surface generally moderately argillized; in deep trenches generally consists of light-olive-gray to light-greenish-gray fine-grained porphyritic diabase(?) containing specks of pyrite or pyrrhotite. Some bodies distinctly amygdaloidal

CRETACEOUS

Kk — Kuskokwim Group

Interbedded fine- to coarse-grained graywacke and black shale

Contact

Showing dip. Dashed where approximately located or inferred; dotted where concealed

Fault

Showing dip. Dashed where approximately located or inferred; dotted where concealed. U, upthrown side; D, downthrown side

Vertical fault

Dashed where approximately located

Fault zone

Showing dip

Closely spaced small fractures

Inclined — Vertical — Dip unknown

Strike and dip of beds

Inclined — Vertical

Strike and dip of joints

Ore veinlet

Showing dip. Consists of cinnabar and (or) stibnite in veinlet with gangue of quartz and (or) carbonate and clay minerals. Solid where continuous; dashed where discontinuous

Cinnabar veinlets

Generally in joints

Disseminated cinnabar

Dump

Caved prospect drift

Outline of prospect drift projected to section

Outline of surface trench or stripped area

Showing bedrock type where determinable in 1959. Blank areas in trenches indicate sloughed areas where bedrock type not determinable

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. —1965 —G64122

Base map from planetable survey by C.M. Taylor and C. L. Sainsbury, 1959

Geology by C. L. Sainsbury, 1959

GEOLOGIC MAP AND SECTION OF TRENCHES AT THE WILLIS PROPERTY SLEETMUTE AREA, ALASKA