

GEOLOGIC MAP OF THE BUCK HILL QUADRANGLE, TEXAS
WITH STRUCTURE SECTIONS

Geology surveyed by M. A. Elms, 1936
and S. S. Goldich, 1940

EXPLANATION

Qal
Alluvium

Tsy
Syenite
(Alkalic microsyenite)

Tbb
Butcherknife basalt
(Dense, black analcime trachybasalt)

Tmmr
Mitchell Mesa rhyolite
(Pink rhyolite porphyry flow)

Tdt
Duff Formation
(Mainly light-colored rhyolitic tuff
with minor breccia and dark-
colored conglomerates)

Tcsb
Cottonwood Spring basalt
(Dense to vesicular and amygdaloidal
flows; trachyandesite to olivine basalt)

Tpt
Pruett formation
(Tuff, breccia, conglomerate, sandstone,
and fresh-water limestone with inter-
calated porphyritic flows; (Tpa) Potato
Hill andesite; (Tscb) Sheep Canyon basalt;
(Tct) Crossen trachyte)

Kbo
Boquillas formation
(Alternating flaggy limestone and shale
in lower part; thicker limestone and
shale in upper part)

Kbu
Buda limestone
(Massive limestone with middle marly unit)

Kgs
Grayson clay
(Clay shale with thin calcareous sand-
stone layers)

Kgt
Georgetown limestone
(Massive limestone; more thinly bedded
in upper part)

UNCONFORMITY

Normal fault
U, Upthrown side
D, Downthrown side

Inferred normal fault

Normal fault concealed by
alluvium; position marked
by scarp

Normal fault concealed by
alluvium

Strike and dip of beds

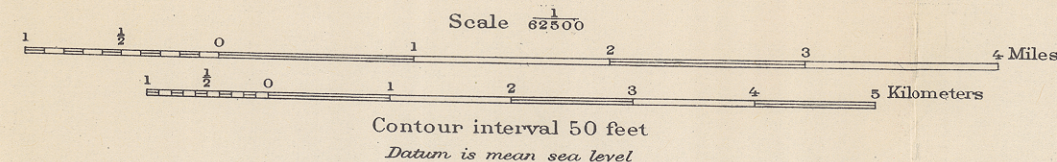
Fossil locality

Water well

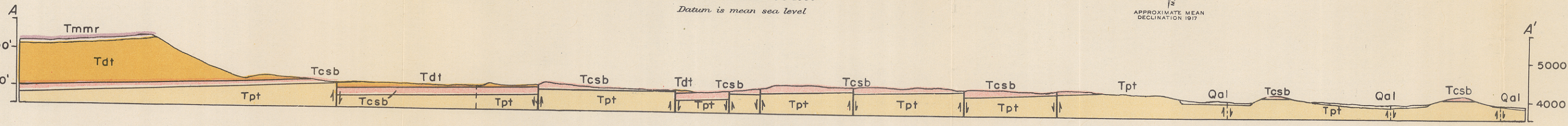
QUATERNARY

TERTIARY

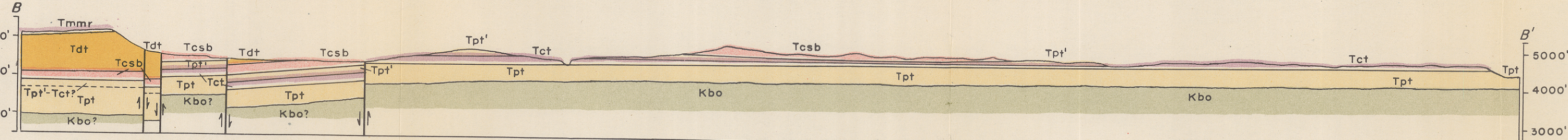
CRETACEOUS



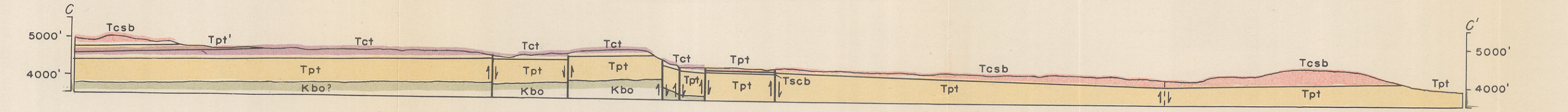
APPROXIMATE MEAN
DECLINATION 1917



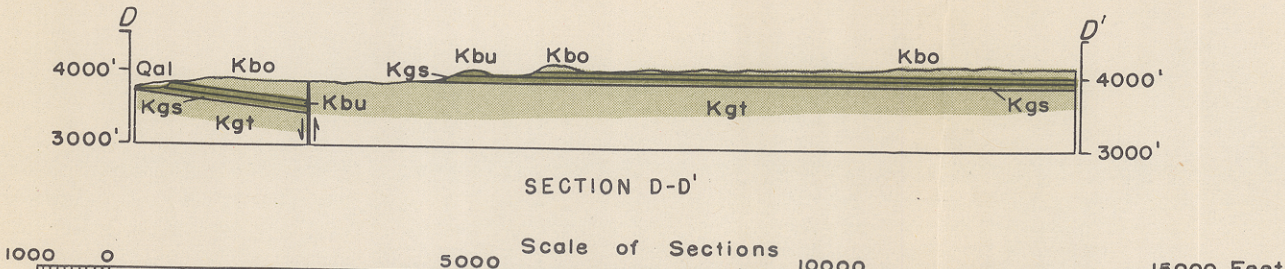
SECTION A-A'



SECTION B-B'



SECTION C-C'



SECTION D-D'

