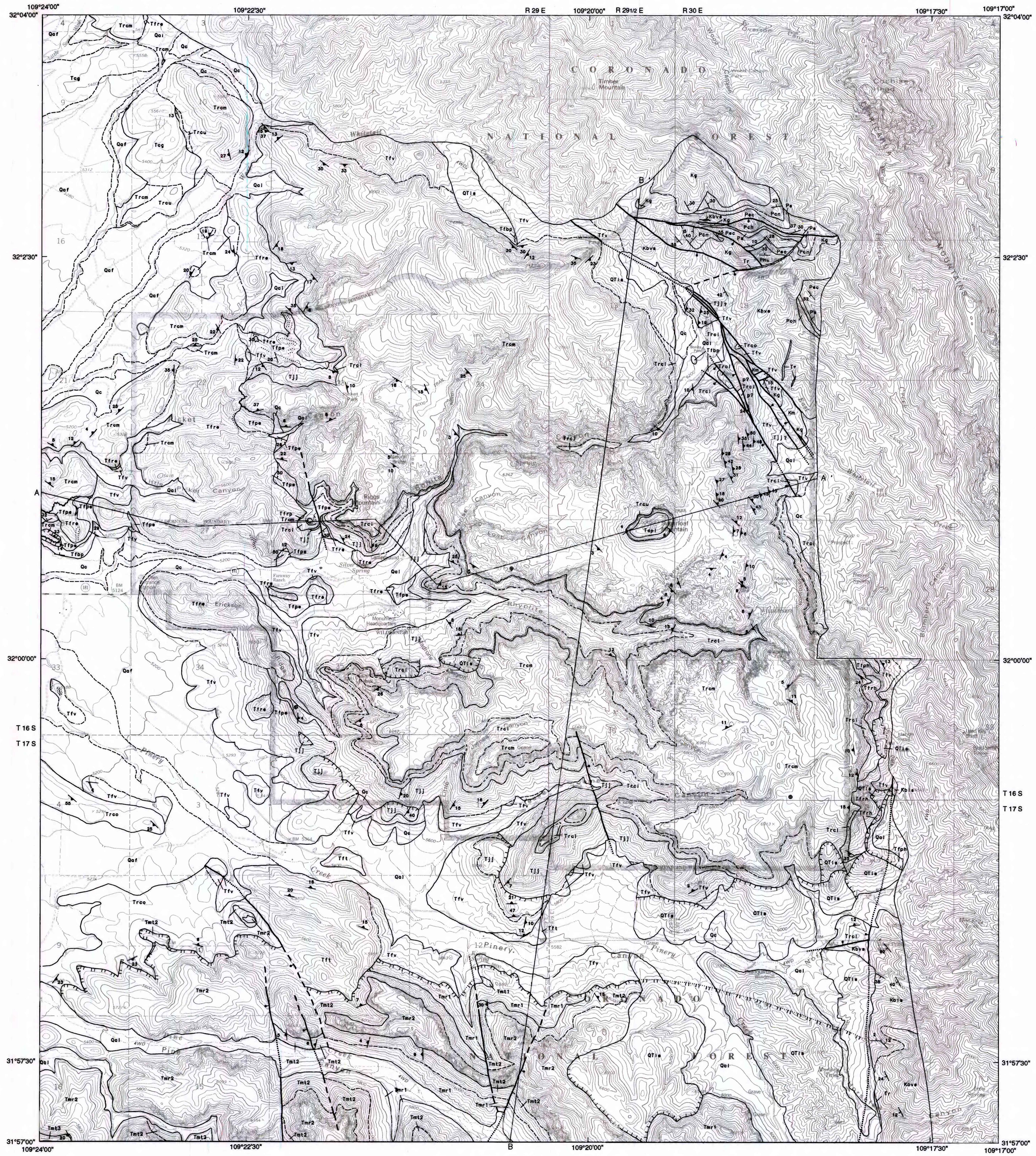
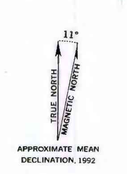
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT 93-590-A
PLATE 1





SCALE 1:24 000

1 ½ 0 1 MILE

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

EXPLANATION

Contact--Dashed where approximately located

Unconformity along caldera wall, between moat deposits, and underlying Rhyolite Canyon Tuff or Faraway Ranch Formation--Hachures on down dip side

High-angle fault--Dashed where approximately located; dotted where concealed. Ball and bar on downthrown side

Quaternary and Tertiary landslide scarp--Hachures on downthrown side

Strike and dip of foliation
Horizontal

Inclined

Strike and dip of bedding
Inclined

Quartz vein

Zones of silicification

Trend lines--Indicate bedding of pyroclastic flows or flow layering of rhyolite lava

CORRELATION OF MAP UNITS

AGE IN Ma

- Qal, Qaf, Qc; QTls — Holocene and Pleistocene — QUATERNARY
- Tcg — Oligocene — TERTIARY

ROCKS OF THE TURKEY CREEK CALDERA

Moat deposits

- Tmt3
- Tmr2
- Tmt2
- Tmr1* — 26.64±0.13, 26.93±0.17
- Tmt1
- Tdpl* — 26.84±0.13

Rhyolite Canyon Tuff

- Trcu* — 26.94±0.16
- Trcm — Trco
- Trcl* — 26.93±0.12

JESSE JAMES CANYON TUFF

- Tjj

FARAWAY RANCH FORMATION

- Tfre*, Tfpe, Tfrh, Tfph — 28.3±0.8, 28.6±2.0
- Tft* — 29.6±1.9
- Tfbp
- Tfv

DIKES AND SILLS

- Tr

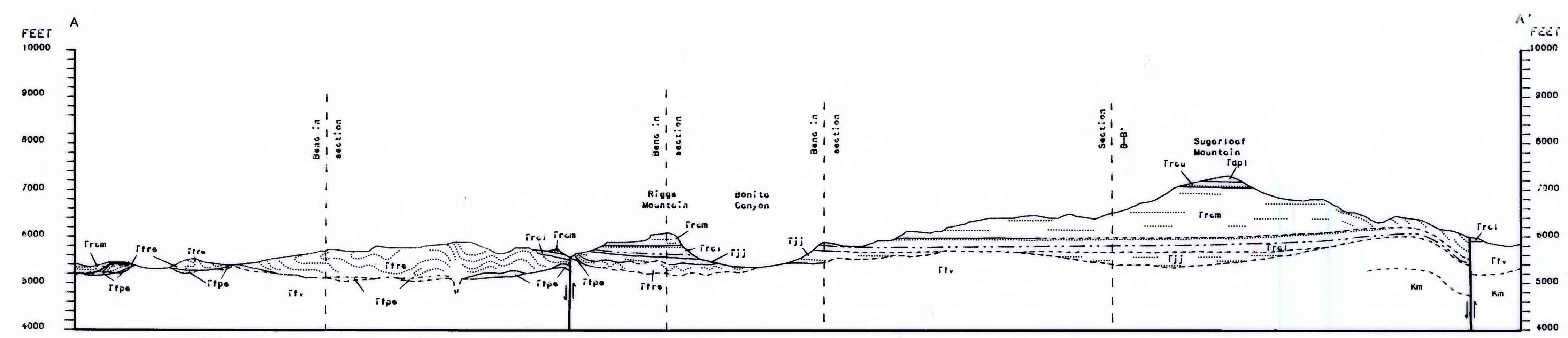
PRE-TERTIARY ROCKS

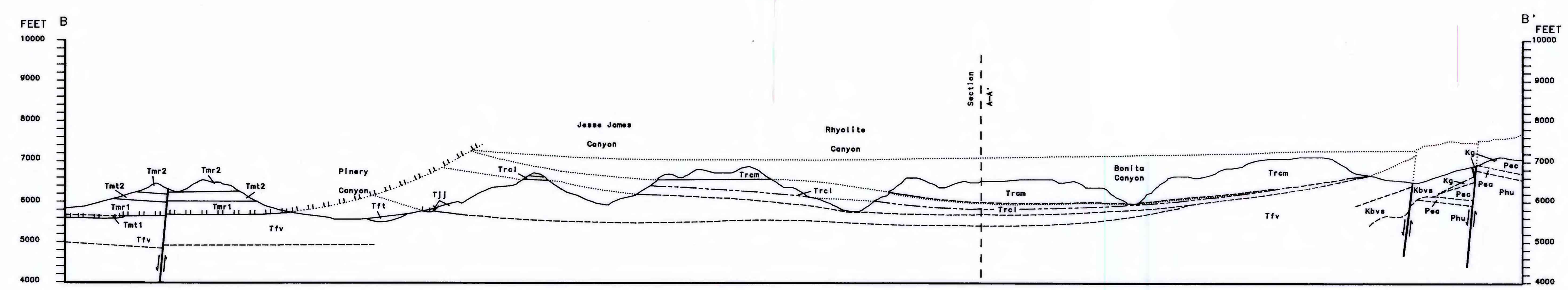
Bisbee Group

- Kbvs, Kbls, Km, Kg — CRETACEOUS

Paleozoic sedimentary rocks

- Pcn, Ps, Pec, Pea, Phu — PERMIAN





PRELIMINARY GEOLOGIC MAP OF CHIRICAHUA NATIONAL MONUMENT, COCHISE COUNTY, ARIZONA, WITH DIGITAL GEOLOGIC MAP DATA

By
Edward A. du Bray and John S. Pallister

1993

This map is preliminary and has not been reviewed for conformity with U. S. Geological Survey editorial standards or with the North American Stratigraphic Code. Any use of trade names is for descriptive purposes only and does not imply endorsement by U. S. Government.