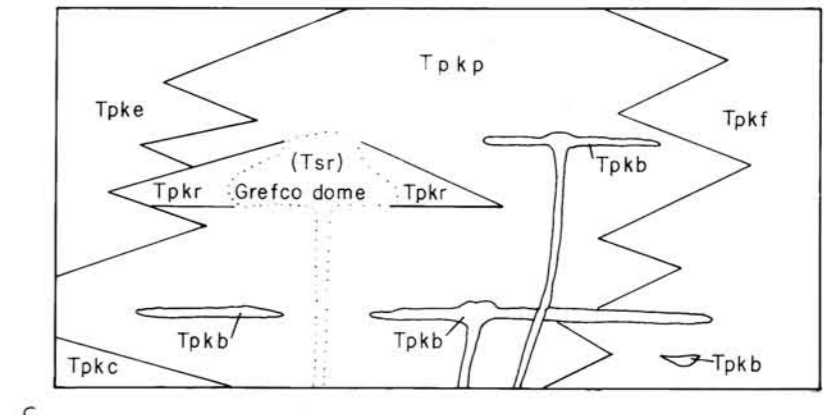


facies and basalt flows

- Tsif Fluvial sands of ancestral Rio Grande and tributaries
- Tslo Overbank mud-silt of ancestral floodplain
- Tsfp Piedmont-slope and alluvial-fan gravels
- Tsfc Ancient landslide mega-breccia and colluvium
- Tsbh Basalt flows of Sedillo Hill (4.0 ± 0.3 m.y.)
- Tbsh Basaltic pyroclastics consisting of agglomerates



Tpkc Mudstone, claystone, siltstone and gypsum, playa/alluvial flat

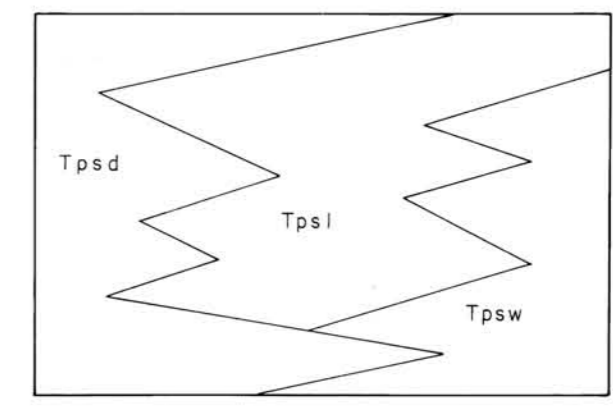
Tpkf Sandstone and conglomeratic sandstone, fluvial (braided channel)

Tpkc Fanglomerates near Evergreen

Tpkx Rhyolite-vitrophyre-rich conglomerates and conglomeratic sandstones around the Grecco 'perline' mine, includes other small outcrops of rhyolitic sandstones and conglomerates locally derived from Socorro Peak Rhyolite lavas

Tpkb Basalt flows, lower flows near Kelley Ranch (3.1 ± 0.5 m.y.), upper flows near Pound Ranch (vent areas unknown)

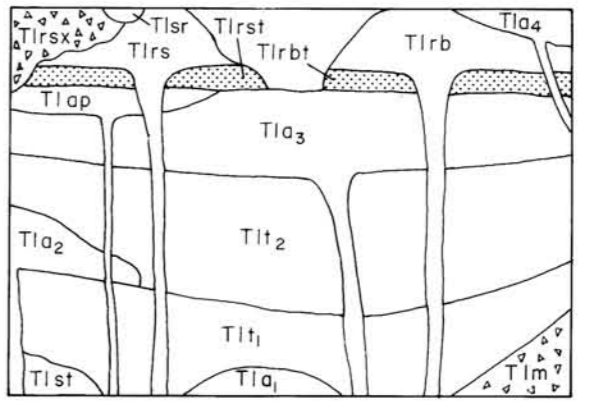
Tpkc Basal muddy conglomerates and sandy conglomerates, locally derived from reworking Tpsd, possibly equivalent to Tplb or Tplru



Tpsd Lahars and fanglomerates shed from resurgent dome area of the Socorro Cañadron

Tpsi Lacustrine and alluvial-flat mudstone, siltstone and sandstone near most axes

Tpsw Fanglomerate and sandstone shed from cinder walls



Tlir Sandstone, red rhyolitic channel

Tlrx Rhyolite breccia and flows near Highway Sixty

Tlra Bedded and welded tufts associated with Tlir (28.6 ± 1.1 m.y.)

Tlrb Rhyolite domes and flows near Blue Canyon

Tlrg Bedded and welded tufts associated with Tlir

Tlrd Andesite lavas, coarsely porphyritic (feeder dike, 22.8 ± 0.9 m.y.)

Tlre Andesite lavas, agglomerates, tufts and andesitic laharic breccia fine-to-medium-porphyritic

Tlrf Welded, rhyolitic lapilli tuff and tuff breccia with Lemitar Tuff

Tlrg Mafic lava (rhodocite?, andesite?) locally with small quartz phenocrysts, aphanitic to medium-porphyritic

Tlri Welded, rhyolitic, lithic-rich lapilli tuff with andesite clasts

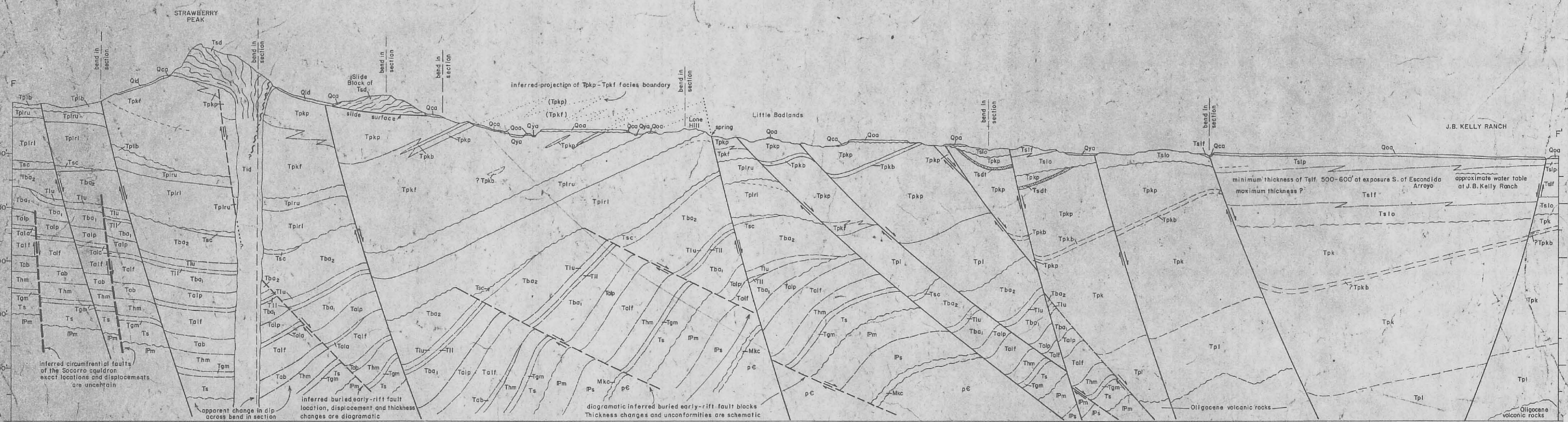
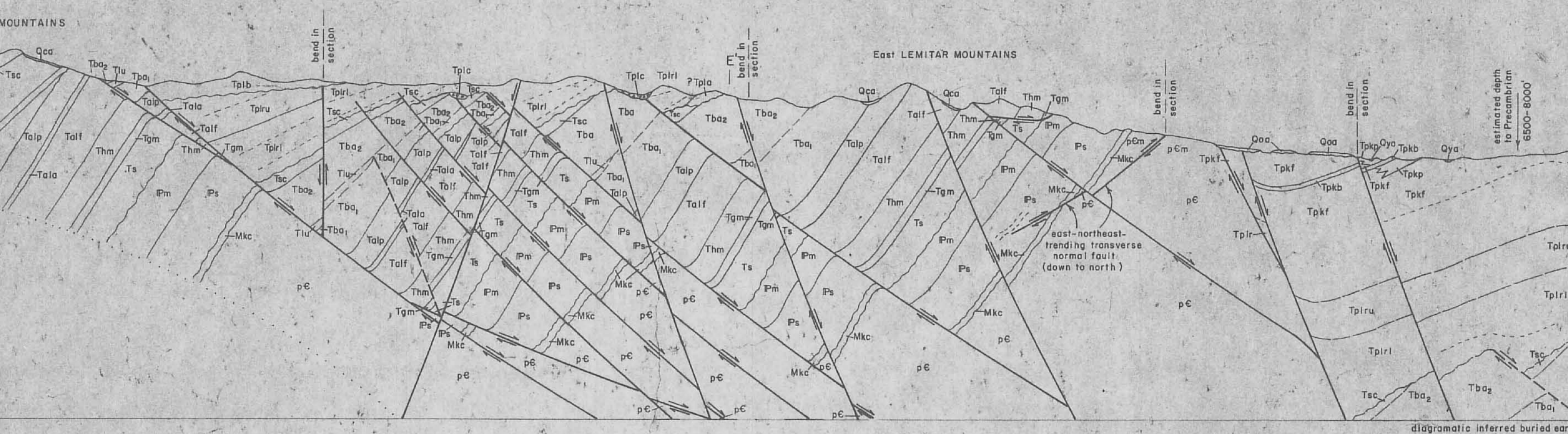
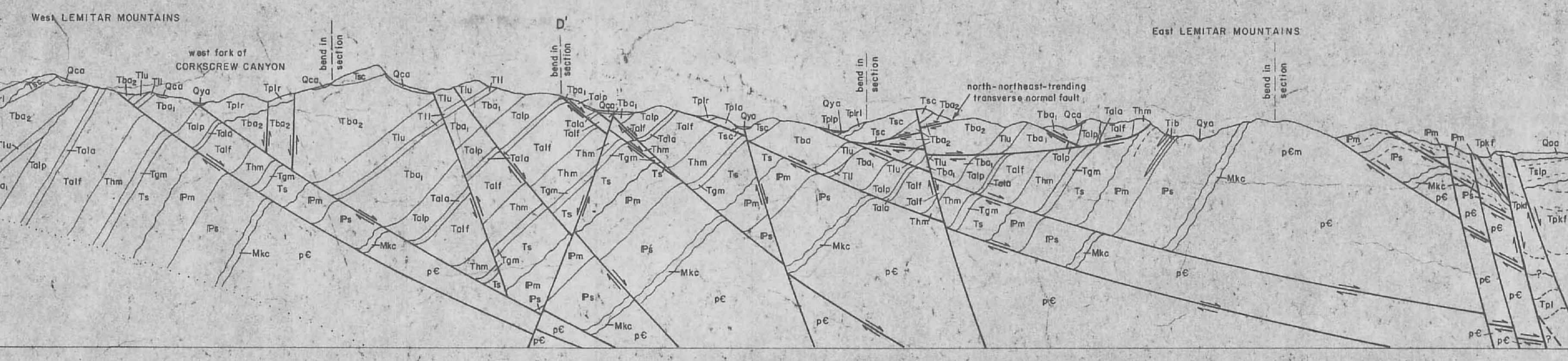
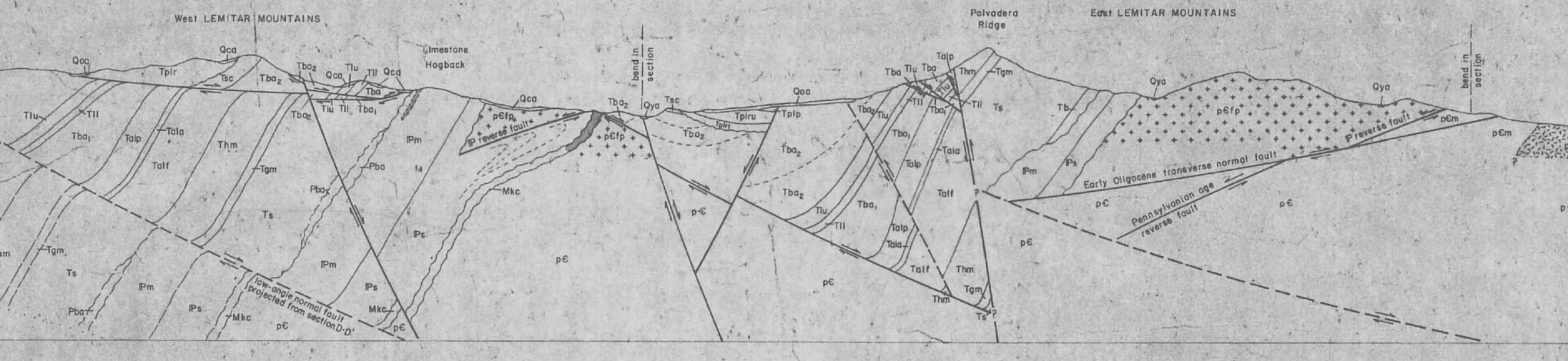
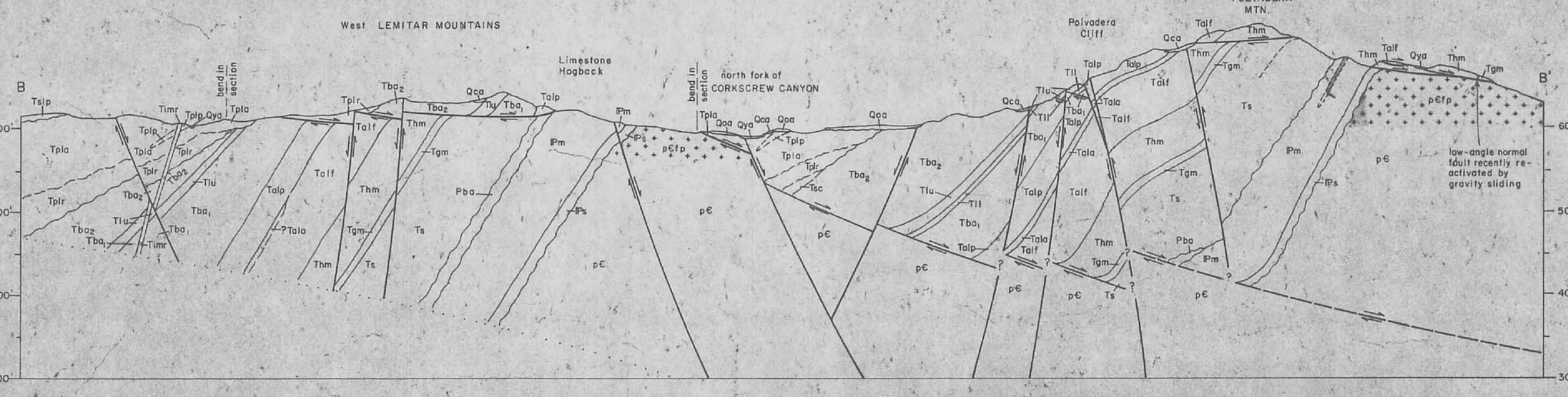
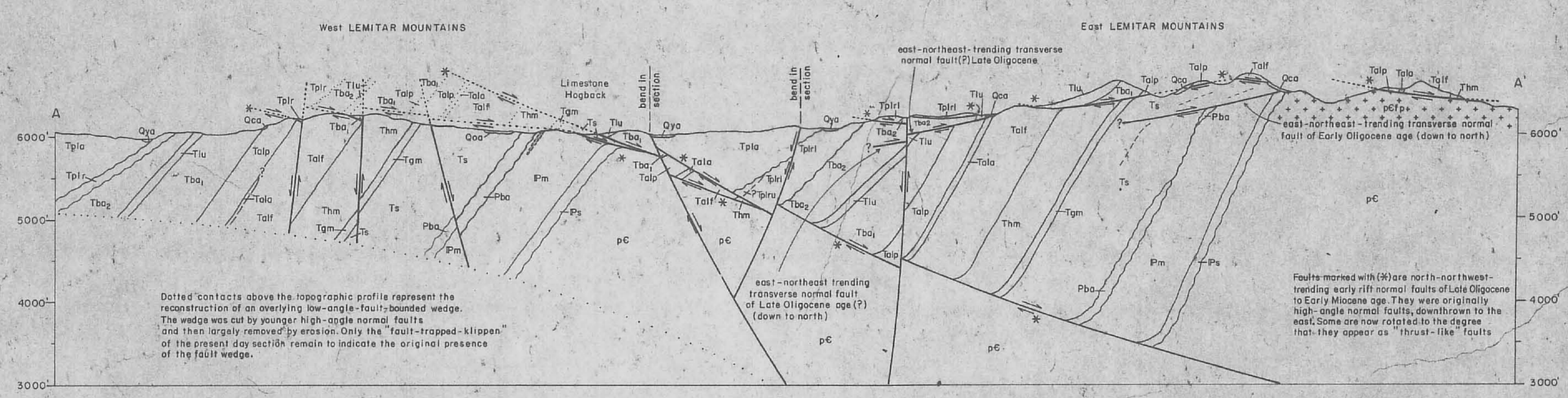
Tlri Andesite lava, aphanitic to medium-porphyritic, with minor 'spears-like' conglomerates at top

Tlri Tuftaceous sandstones and bedded tufts, light gray rhyolitic

Tlri Landslide mega-breccias and ancient colluvium with clasts of Tgm, Ts, Pm (minor sandstones near top)

GEOLOGIC CROSS SECTIONS OF THE LEMITAR MOUNTAINS, SOCORRO COUNTY, NEW MEXICO

by
Richard M. Chamberlin, 1978



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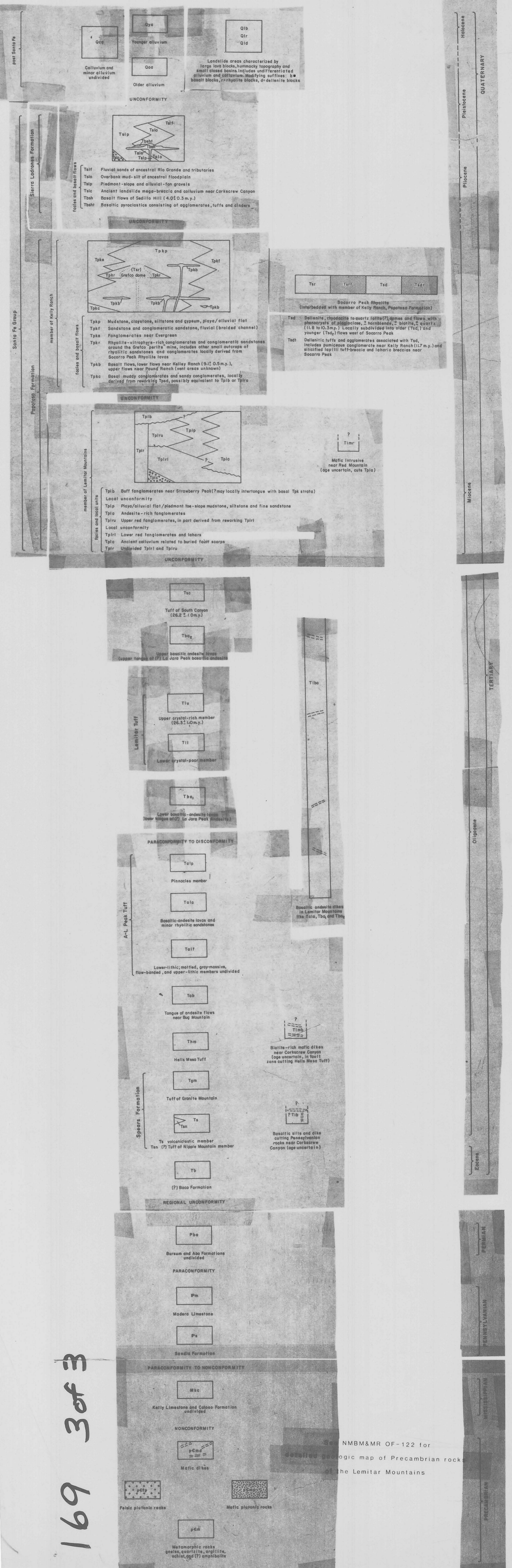
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GEOLOGIC MAP OF THE LEMITAR MOUNTAINS
SOCORRO COUNTY, NEW MEXICO
 by Richard M. Chamberlin, 1978

CORRELATION OF MAP UNITS

(See NMBM&MR OF-118 for detailed description of most map units)



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See NMBM&MR OF-122 for
 Correlation of Precambrian rocks
 of the Lemitar Mountains