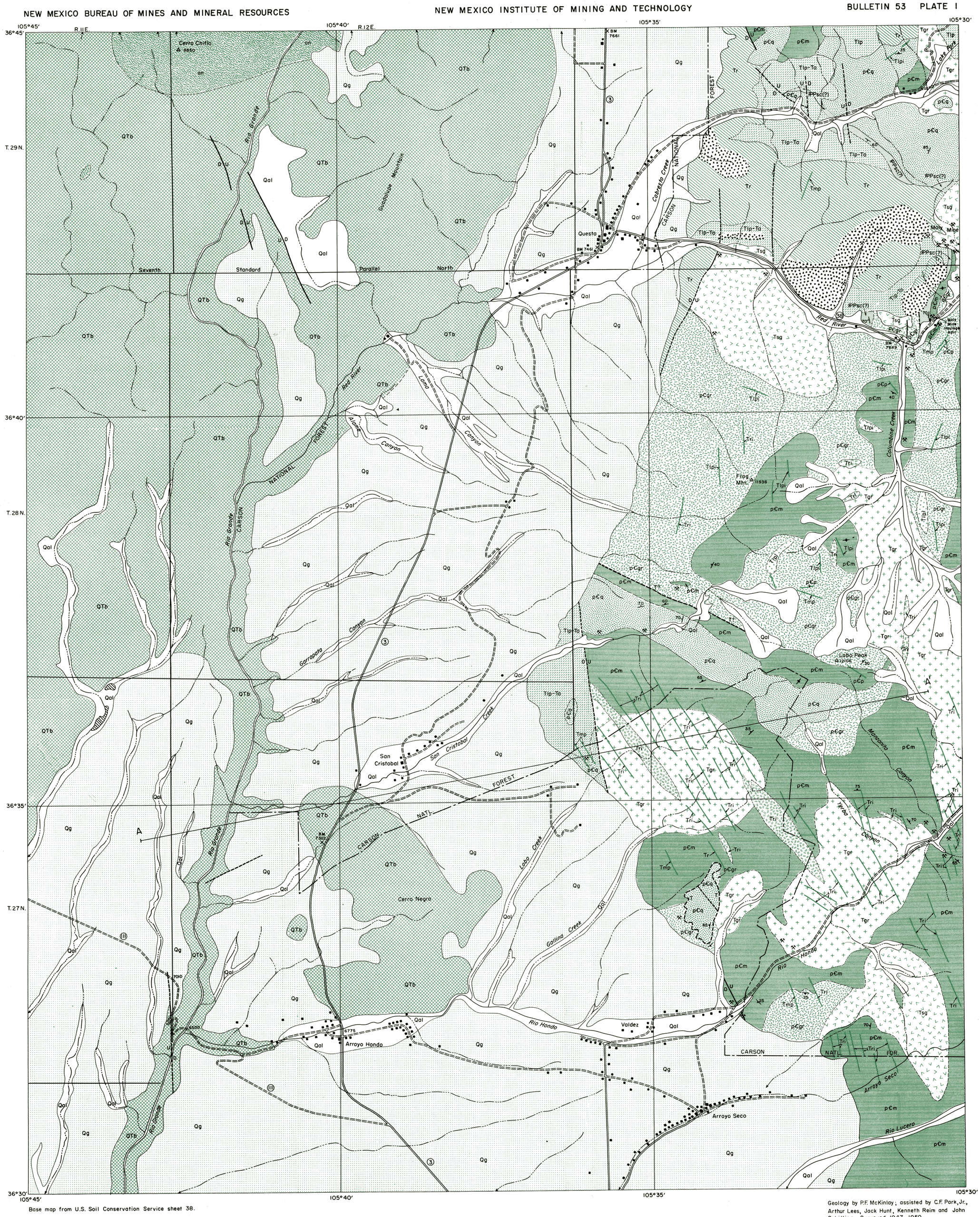


EXPLANATION

QUATERNARY

Qal — Valley alluvium
Stream gravel, talus, and glacial debris

Qg — Coarse fan gravels

an — Andesite
Gray porphyritic andesite

TERTIARY

QTb — Basalt
Dark gray basalt flows

ANGULAR UNCONFORMITY

Altered rock
Areas of hydrothermal alteration where the rock units were undifferentiated

Tmp — Monzonite porphyry
Dikes of gray to dark green monzonite porphyry

Tertiary igneous complex
Tsg, *pink soda (albite-rich) granite dikes and stocks*
Tr, *gray to light-pink rhyolite tuffs, breccias and flows*
Tri, *rhyolite dikes*
Tgr, *cream to light-pink porphyritic granite dikes and stocks*
Tlp and Tlpi, Latir Peak formation,
Tlp, *light-gray to reddish andesite and latite porphyry flows or sills (?)*
Tlpi, *gray andesite and latite porphyry dikes*
Ta, *red, purple to green andesite flows, sills (?), breccias and tuffs*

UNCONFORMITY

PENNSYLVANIAN PERMIAN (?)

IPPsc(?) — Sangre de Cristo(?) formation
Red arkosic shale, sandstone, and conglomerate

ANGULAR UNCONFORMITY

PRECAMBRIAN

pЄp — Pegmatites
White to pink in color, usually composed of quartz, microcline, orthoclase, and some muscovite with small amounts of garnet and magnetite

pЄgr — Granite
Pink to cream microcline-rich granite and granite gneiss, includes pegmatite material and some migmatite

Metamorphic rocks
pЄq, Cabresto (?) quartzite, *gray to cream massive quartzite, in places layers of mica gneiss and graphite mica gneiss*
pЄm, *Undifferentiated amphibolite schist and gneiss, mica schist and gneiss, quartzite and migmatites*

Dike

Contact
Dashed where approximately located, dotted where concealed

High angle fault
U, *upthrown side*; D, *downthrown side*

Thrust fault
T, *upper plate*

Strike and dip of beds

Strike and dip of foliation

Strike of vertical foliation

Dry lake

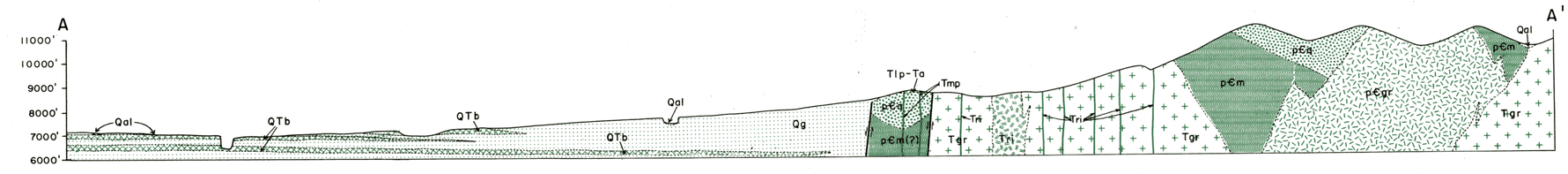
Intermittent stream

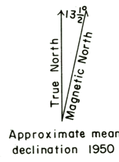
Perennial stream

Road

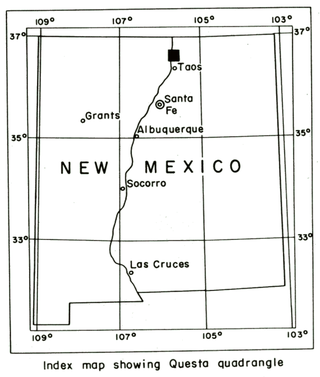
Mines or prospects

Buildings





Approximate mean declination 1950



Index map showing Questa quadrangle

GEOLOGIC MAP AND SECTION OF QUESTA QUADRANGLE, NEW MEXICO

Scale $\frac{1}{48000}$

1 0 1 2 3 miles

NMBGMR Map 434