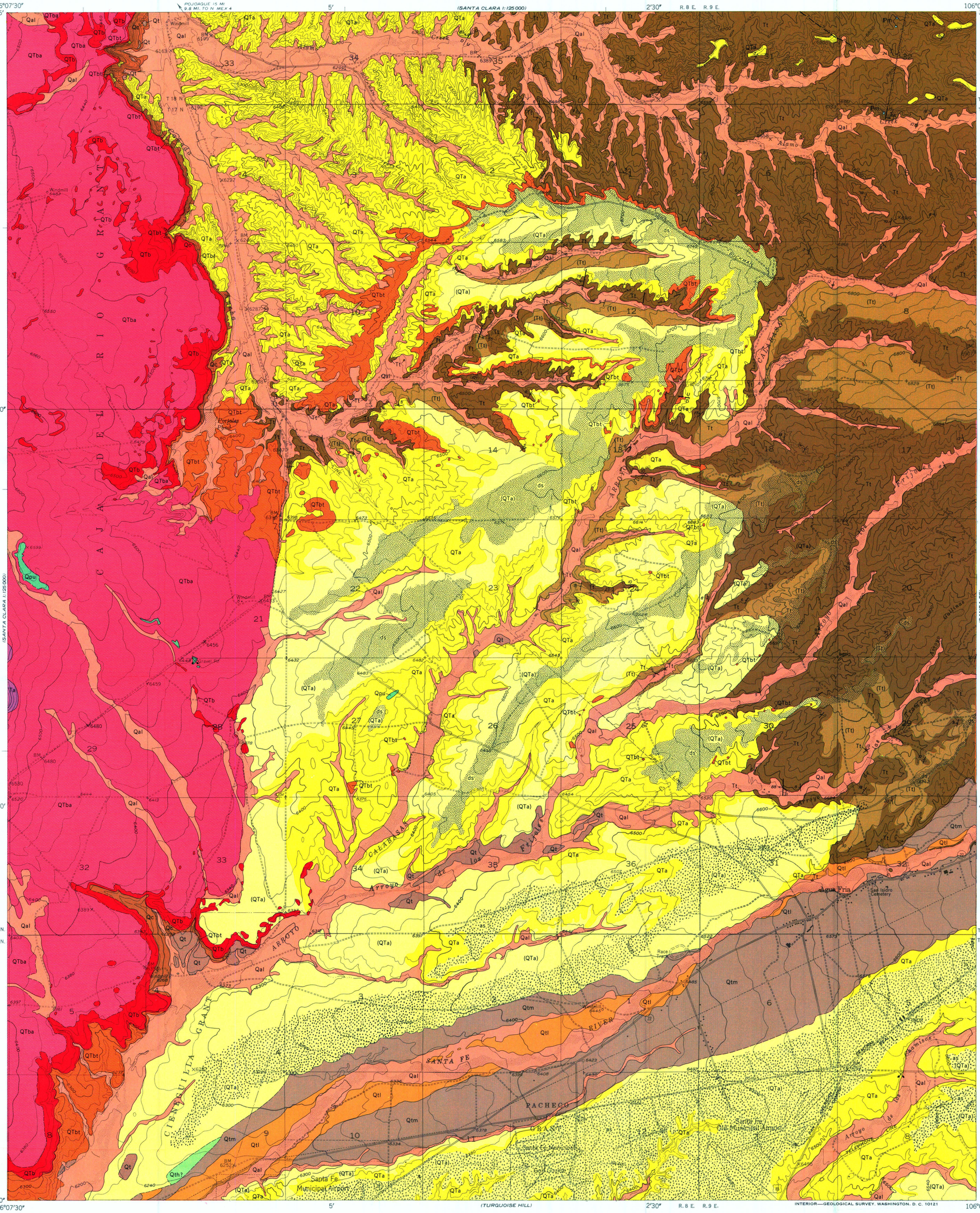
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER-SUPPLY PAPER 1525
PLATE 2



EXPLANATION

Qc — Cover
Slope wash, talus, and locally alluvium

Qal — Alluvium
Sand and gravel along arroyos; locally includes slope wash

Qt — Terrace deposits
Qth? Qtm Qtl
Sand and gravel. Low terrace, Qtl; middle terrace, Qtm; high terrace, Qth. Shown along Santa Fe River

Qpu — Pumice

Pleistocene to Recent — QUATERNARY

QTba — Alluvium on basalt
Slope wash and earlier alluvium on lava mesa

QTb — Basalt flows

QTbt — Basalt tuff
Thin-and even-bedded layers of lapilli and sand grains of basalt, 20–80 ft in thickness

Pleistocene(?)

QTa — Ancha formation
Silt, sand, and gravel, 0–300 ft in thickness. Parentheses around symbol and paler color indicate thin cover of reworked material

Pliocene or Pleistocene — Santa Fe group — TERTIARY OR QUATERNARY

UNCONFORMITY

Ta — Andesitic flows
Form higher levels of lava mesa, west of Santa Fe area proper

Middle(?) Miocene to lower Pliocene

Tt — Tesuque formation
Pinkish-tan silty to conglomeratic sand and sandstone. Parentheses around symbol and paler color indicate thin cover of reworked material

TERTIARY

UNCONFORMITY

Pm — Magdalena(?) group
Quartzite and conglomeratic quartzite in piles of large blocks

PENNSYLVANIAN — CARBONIFEROUS

PHYSIOGRAPHIC SURFACES

as — Airport surface

ds — Divide surface

Contact
Dashed where approximately located or concealed by reworked material

78 — Fault, showing dip

U / D — High-angle fault
Dashed where approximately located, dotted where concealed. U, upthrown side; D, downthrown side

Probable fault
Dashed where approximately located; dotted where concealed

10 — Strike and dip of beds

Sand, gravel, or pumice pit

Base map by Topographic Division
U. S. Geological Survey, 1952

Geology by Brewster Baldwin, assisted by Wayne Bundy, July 1951 to February 1952

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. 10121

APPROXIMATE MEAN DECLINATION, 1960
13° TRUE NORTH MAGNETIC NORTH

GEOLOGY OF THE AGUA FRIA QUADRANGLE, NEW MEXICO

SCALE 1:24 000

1 ½ 0 1 MILE

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL