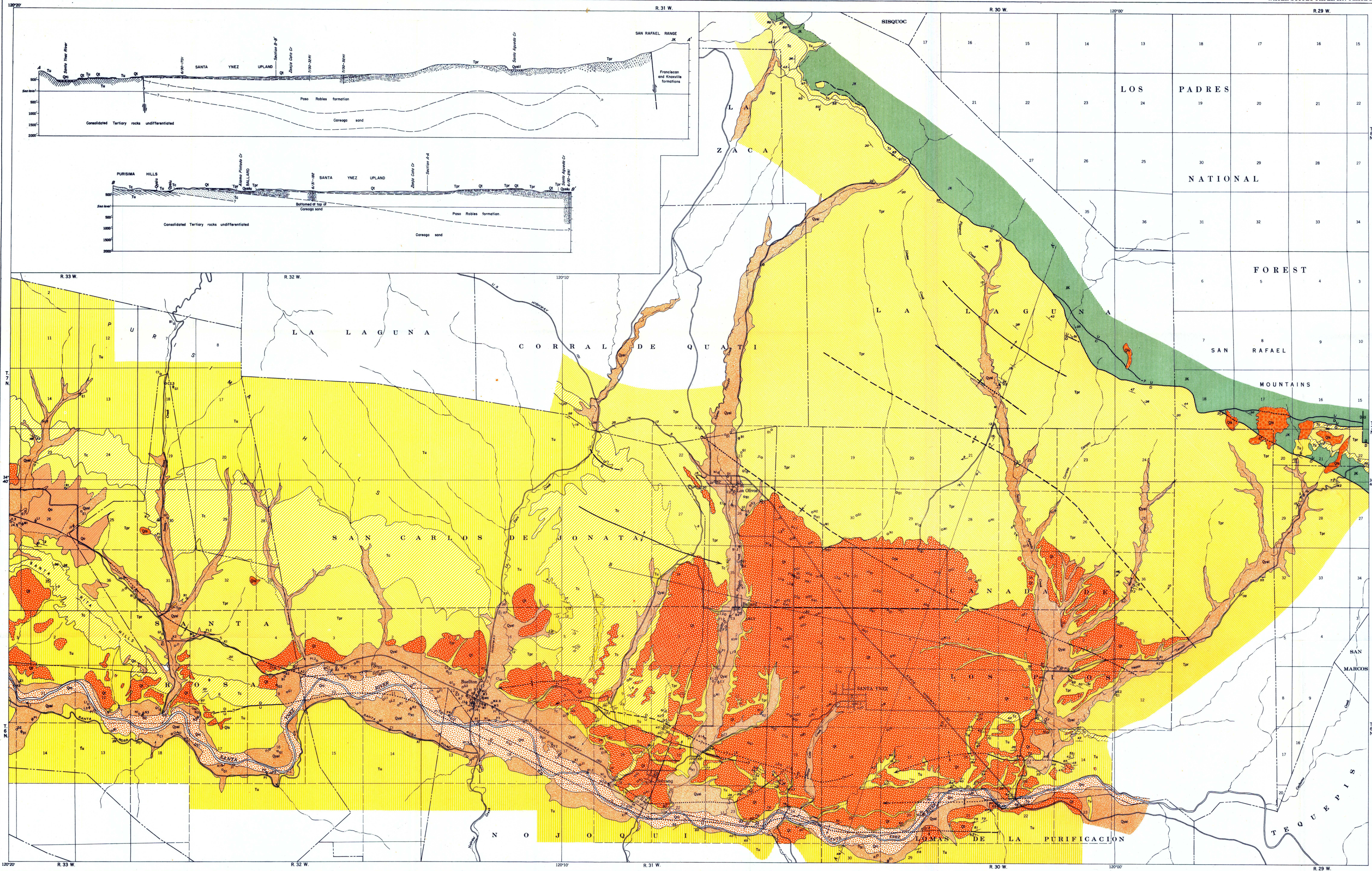




- EXPLANATION**
- River-channel deposits
 - Coarse sand and gravel in flood channel of Santa Ynez River. Permeable
 - Landslide
 - Younger alluvium
 - Unconsolidated clay, sand, and gravel beneath alluvial channel. Along Santa Ynez River, the alluvium is underlain by water-bearing sand. On sections, upper member of alluvium is shown as water-bearing sand, Q_u1.
 - Terrace deposits
 - Clay, sand, and gravel on benches along streams. A large body mostly of clay and silt beneath Santa Ynez upland yields some water to wells.
 - Gravelly sand
 - Clay, sand, and silt, some gravel. Essentially not tapped by wells. May contain perched water locally.
 - Paso Robles formation
 - Clay, sand, and gravel, largely poorly permeable. Supplies some water in numerous wells on Santa Ynez uplands.
 - Caranaga sand
 - Fine to medium fine sand, mostly saturated with water but virtually not tapped by water wells.
 - Consolidated Tertiary rocks, undifferentiated
 - Shale, sandstone, and conglomerate, some volcanic rocks. Includes Paso Robles, Monterey, Shinarump, Tertiary, and T₁ formations. Not water-bearing.
 - Franciscan and Knoxville formations
 - Altered basic volcanic rocks and shales, including shales and sandstones. Not water-bearing.
- Geologic Symbols**
- Fault
 - Dashed where approximately located, dotted where concealed, questioned where doubtful. U, upthrown side; D, downthrown side.
 - Contact
 - Dashed where approximately located, dotted where concealed.
 - Axis of anticline, showing crest line and direction of plunge.
 - Dashed where approximately located, dotted where concealed.
 - Axis of syncline, showing position of trough and direction of plunge.
 - Dashed where approximately located, dotted where concealed.
 - Strike and dip of beds
 - Strike and dip of overturned beds
 - Strike of vertical beds
 - Horizontal beds
 - Approximate dip of beds, strike undetermined
 - Water well
 - Numbering system described in text
 - Abandoned water well

GEOLOGIC MAP AND SECTIONS OF THE CENTRAL PART OF THE SANTA YNEZ RIVER BASIN

Scale 1:48,000

1 0 5 Miles

Base from photomicroscopic maps by Fairchild Aerial Survey, Inc., from U. S. Geological Survey topographic sheets, and from Santa Ynez County official records. Broken land lines projected for reference only.

Base by G. A. LaRoque, Jr., G. P. Wertz, Jr., J. C. Fredericks, and Henry Wagoner. Geology by G. P. Wertz and J. E. Upson, in part after Woodring and others. Surveyed in 1941-44.

931006 O - 51 (IN POCKET)