NEW MEXICO BUREAU OF GEOLOGY AND MINERAL RESOURCES

Geologic Map of the Southern Taos Valley, Taos County, New Mexico

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Plate 1

TRUE NORTH
MAGNETIC NORTH 8° 43'
Approximate mean declination, 2014

1:24,000

0 0.1 0.2 0.3 0.4 0.5 1 mile
0 0.1 0.2 0.3 0.4 0.5 1 kilometers

Contour Interval 40 Feet
National Geodetic Vertical Datum of 1929

1927 North American datum, UTM projection -- zone 13N
2000-meter Universal Transverse Mercator grid, zone 13

Taos County
NEW MEXICO

Geologic units

Detailed map unit descriptions are in Appendix 1

- af — *Artificial fill and disturbed land*
- Qal — *Alluvium*
- Qe — *Eolian deposits*
- Qc — *Colluvium*
- Qls — *Landslides in Rio Grande gorge and tributaries*
- Qac Tp — *Alluvial and colluvial deposits*
- Qfy Qty — *Young alluvial-fan and stream terrace deposits*
- Qt6rp — *Alluvial-fan and stream terrace deposits of the Rio Pueblo de Taos and tributaries*
- Qf4 Qt4rp
- Qf3 Qt3rp
- Qf2 Qt2rp
- Qf1 Qt1rp
- Qtrg — *Stream terrace deposits of the Rio Grande*
- Qfu — *Alluvial fan deposits, undivided*
- Qfo Qto — *Alluvial fan and terrace deposits, undivided*
- Tsb — *Servilleta Basalt*
- QTl — *Lama formation*
- Tc — *Chamita Formation, undivided, Santa Fe Group*
- Tto — *Ojo Caliente Sandstone Member of Tesuque Formation, Santa Fe Group*
- Ttc — *Chama-El Rito Member of Tesuque Formation, Santa Fe Group*
- Tpt-Ttc — *Tuffaceous member of Picuris formation and/or Chama-El Rito Member of Tesuque Formation*
- Tplq — *Llano Quemado Breccia member of Picuris formation*
- Tpa — *Andesitic porphyry*
- Tpl — *Lower member of Picuris formation*
- IPu — *Sedimentary rocks of the Taos Trough*
- Mu — *Sedimentary rocks of the Arroyo Penasco Group*
- Ytpl — *Piedra Lumbre Formation, Trampas group*
- Ytp — *Pilar Formation, Trampas group*
- Xpeg — *Pegmatite*
- Xhr6 — *R6 schist member, Rinconada Formation*
- Xhr5 — *R5 quartzite member, Rinconada Formation*
- Xhr3 — *R3 quartzite member, Rinconada Formation*
- Xhr1/2 — *R1/R2 schist member, Rinconada Formation*
- Xho — *Ortega Formation, Hondo Group*
- Xmg — *Miranda granite*
- Xvg — *Glenwoody Formation*

Map symbols

- Contact, dashed where approximate, dotted where buried
- Fault, dashed where approximate, dotted where buried, queried where uncertain
- Fault, ball and bar on downthrown block
- Strike-slip fault, arrows show relative motion
- Thrust fault, sawteeth on upper plate
- Anticline, dashed where approximate, dotted where buried
- Syncline
- U D Fault showing local offset, U = upthrown block; D = downthrown block
- Inclined bedding, showing strike and dip
- Overturned bedding, showing strike and dip
- Inclined bedding where top direction of beds is known from local features
- Inclined metamorphic or tectonic foliation, showing strike and dip
- Small, minor inclined joint
- Lineation on fault surface
- Approximate plunge direction
- Inclined slickenline, groove or striation on fault surface
- Direction of downslope movement of landslide
- Cross section line
- Well with site ID
- Spring with site ID
- breccia *Mixed fault breccia*
- Southern extent of Servilleta Basalt

24K Quad Index Map

Tres Orejas	Los Cordovas	Taos	Pueblo Peak
Carson	Taos SW	Ranchos de Taos	Shady Brook
Trampas	Peñasco	Tres Ritos	Cerro Vista

GIS Support: Mark Mansell and Brigitte Felix

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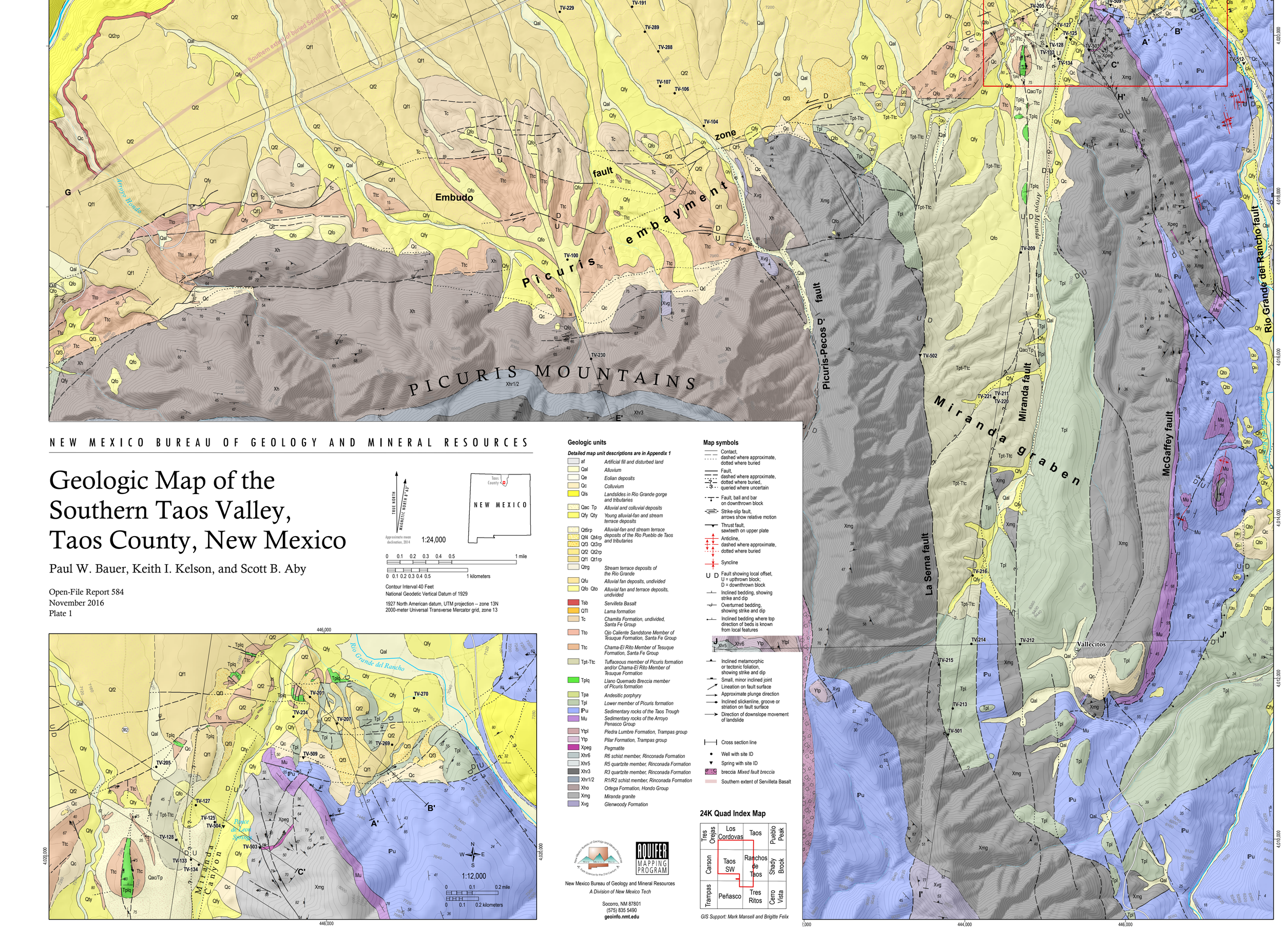
AQUIFER MAPPING PROGRAM