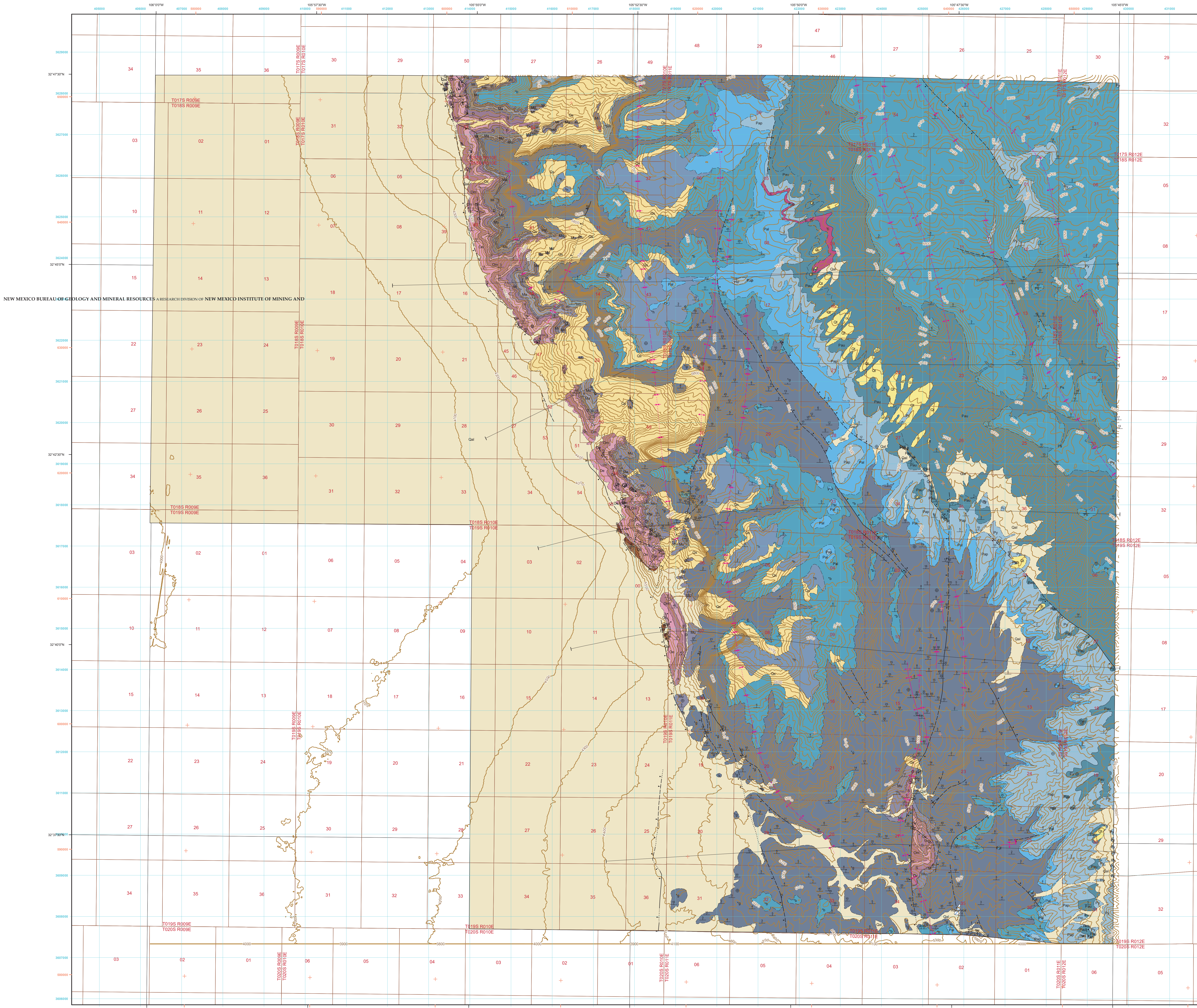


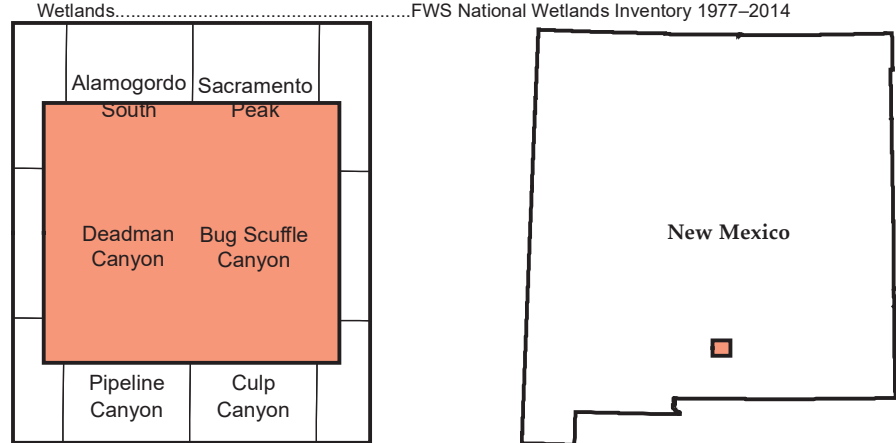
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Description of Map Units

MUMapUnitPolys		
Symbol		
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02-00-00-00-00—Heading02—Sedimentary—Sedimentary (Holocene-Precambrian)—Sedimentary (Holocene-Precambrian)		02-04-03-00-00—Unit—Ma—Arcante Member of the Lake Valley Formation (Mississippian)—Please Review Report for Full Unit Description
02-01-00-00-00—Heading03—Quaternary—Quaternary...		02-04-04-00-00—Unit—Mi—Lower Lake Valley Formation and Caballero Formation (Mississippian)—Please Review Report for Full Unit Description
02-01-01-00-00—Unit—Qs—Landslides,Talus, and Colluvium (Quaternary)—Please Review Report for Full Unit Description		02-05-00-00-00—Heading03—Devonian—Devonian—De...
02-01-02-00-00—Unit—Qal—Alluvium, Younger Terrace Deposits, and Spring Deposits (Quaternary)—Please Review Report for Full Unit Description		02-05-01-00-00—Unit—D—Ready Pay (7) MBR, of Percha Shale; Sly Gap, and Onate Formations (Devonian)—Please Review Report for Full Unit Description
02-01-03-00-00—Unit—Qt—Older Pediment Gravels (Quaternary)—Please Review Report for Full Unit Description		02-06-00-00-00—Unit—Silurian—Silurian—Silurian
02-02-00-00-00—Heading03—Permian—Permian—Per...		02-06-01-00-00—Unit—S—Fusselman Formation (Silurian)—Please Review Report for Full Unit Description
02-02-01-00-00—Unit—Ps—San Andres Formation (Permian)—Please Review Report for Full Unit Description		02-07-00-00-00—Heading03—Ordovician—Ordovician—...
02-02-02-00-00—Unit—Py—Yesso Formation and Honda MBR, of San Andres Formation (Permian)—Please Review Report for Full Unit Description		02-07-01-00-00—Unit—Oy—Valmont Dolomite (Ordovician)—Please Review Report for Full Unit Description
02-02-03-00-00—Unit—Pau—Upper Tongue of Abo Formation (Permian)—Please Review Report for Full Unit Description		02-07-02-00-00—Unit—Om—Montoya Formation (Ordovician)—Please Review Report for Full Unit Description
02-02-04-00-00—Unit—Pap—Pendejo Tongue of Hueco Formation (Permian)—Please Review Report for Full Unit Description		02-07-03-00-00—Unit—Oe—El Paso Formation (Ordovician)—Please Review Report for Full Unit Description
02-02-05-00-00—Unit—Pai—Lower Tongue of Abo Formation (Permian)—Please Review Report for Full Unit Description		02-07-04-00-00—Unit—Ob—Bliss Sandstone (Ordovician)—Please Review Report for Full Unit Description
02-03-00-00-00—Heading03—Pennsylvanian—Pennsylv...		02-08-00-00-00—Heading03—Precambrian—Precambria...
02-04-00-00-00—Heading03—Mississippian—Mississipp...		02-08-01-00-00—Unit—Q—Quartzose Sedimentary Rocks (Precambrian)—Please Review Report for Full Unit Description
02-04-01-00-00—Unit—Mu—Helms, Rancheria and Las Cruces (?) Formations (Mississippian)—Please Review Report for Full Unit Description		03-00-00-00-00—Heading02—Igneous—Igneous (Tertiary)—Igneous (Tertiary)
02-04-02-00-00—Unit—Md—Donna Ana Member of the Lake Valley Formation (Mississippian)—Please Review Report for Full Unit Description		03-01-00-00-00—Heading03—Tertiary—Tertiary—Tertiary
		03-01-01-00-00—Unit—Ti—Intrusives (Tertiary)—Please Review Report for Full Unit Description
		03-01-02-00-00—Unit—ei—Intrusives (Precambrian)—Please Review Report for Full Unit Description
		03-02-00-00-00—Heading03—Precambrian—Precambria...

Base map from U.S. Geological Survey 1961
 North American Datum of 1927 (NAD27)
 Projection and 1,000-meter grid: Universal Transverse Mercator, Zone 12S, shown in blue.
 50,000-foot scale. New Mexico Coordinate System of 1927 (Central zone), shown in red.

Roads: U.S. Census Bureau, 2012–2016
 Names: GNIS, 2013
 Hydrography: National Hydrography Dataset, 2014
 Contours: 1:250,000 6.2-m Digital Terrain Model, 2006
 Boundaries: FWS National Wetlands Inventory, 1977–2014

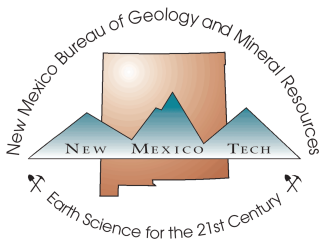


Quadrangle Location

New Mexico Bureau of Geology and Mineral Resources
New Mexico Tech
801 Leroy Place
Socorro, New Mexico
505-833-4100

[575] 835-5490

This and other STATEMAP quadrangles are available for free download in both PDF and ArcGIS formats at:



Digital layout and cartography by the NMBGMR Map Production Group
Phil L. Miller, Amy L. Dunn, and Andi Knight

Geologic Map of the Sacramento Mountains
Escarpment Bulletin 35 , Otero County, New
Mexico

1961

by
Lloyd C. Pray

State Bureau of Mines and Mineral Resources
New Mexico Institute of Mining and
Technology, Campus Station, Socorro, NM,

DRAFT

Comments to Map Users

A geologic map displays information on the distribution, nature, orientation, and age relationships of rock and deposits and the occurrence of structural features. Geologic and fault contacts are irregular surfaces that form boundaries between different types or ages of units. Data depicted on this geologic quadrangle map may be based on any of the following: reconnaissance field geologic mapping, compilation of published and unpublished work, and photogeologic interpretation. Locations of contacts are not surveyed, but are plotted by interpretation of the position of a given contact onto a topographic base map; therefore, the accuracy of contact locations depends on the scale of mapping and the interpretation of the geologist(s). Any enlargement of this map could cause misunderstanding in the detail of mapping and may result in erroneous interpretations. Site specific conditions should be verified by detailed surface mapping or subsurface exploration. Topographic and cultural changes may not be shown due to recent development.

Cross sections are constructed based upon the interpretations of the author made from geologic mapping and available geophysical and subsurface (drillhole) data. Cross sections should be used as an aid to understanding the general geologic framework of the map area, and not be the sole source of information for use in locating or decision wells, buildings, roads, or other man-made structures.

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