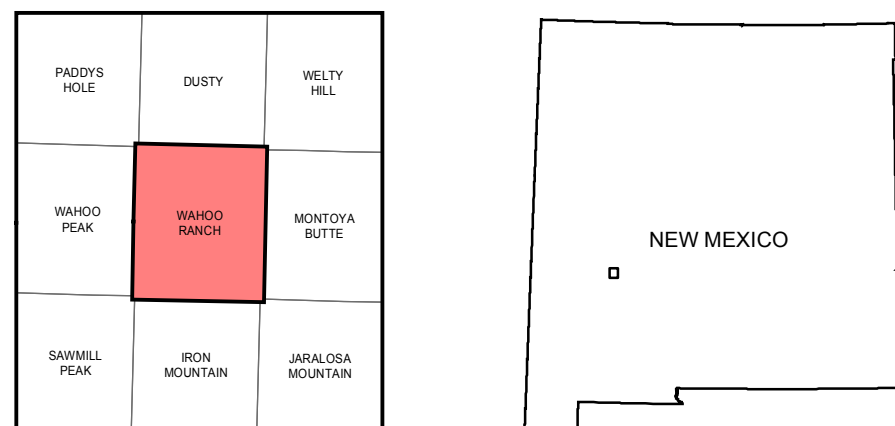


Base map from U.S. Geological Survey 2011, North American Datum of 1983. Reprojected to NAD27, UTM Zone 13S. Projection and 1000-meter grid: Universal Transverse Mercator, Zone 13S. Produced by the United States Geological Survey 10 000-foot ticks: New Mexico Coordinate System of 1983 (central and west zones)

Roads: ©2006-2010 Tele Atlas  
 Roads within US Forest Service Lands: FSTopo Data with limited Forest Service updates, 2009  
 Hydrography: National Hydrography Dataset, 2009  
 Contours: National Elevation Dataset, 2000

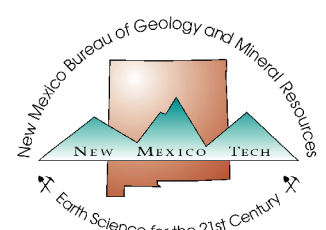


**QUADRANGLE LOCATION**

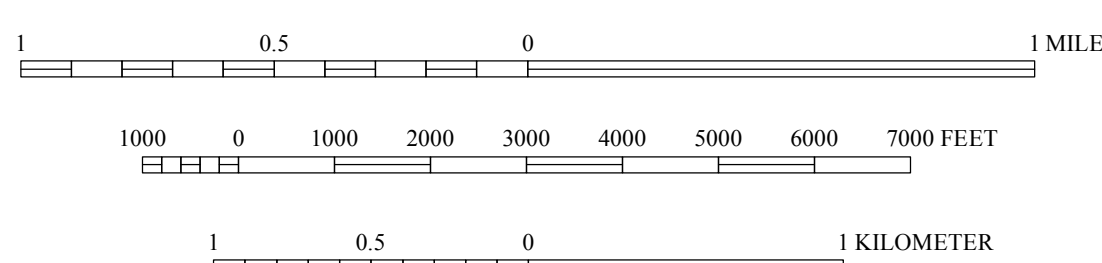
New Mexico Bureau of Geology and Mineral Resources  
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 [575] 835-5490

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

<http://geoinfo.nmt.edu>



1:24,000



CONTOUR INTERVAL 20 FEET  
 NORTH AMERICAN VERTICAL DATUM OF 1988

**New Mexico Bureau of Geology and Mineral Resources  
 Open-file Geologic Map 68**

Mapping of this quadrangle was funded by a matching-funds grant from the STATEMAP program of the National Cooperative Geologic Mapping Act, administered by the U. S. Geological Survey, and by the New Mexico Bureau of Geology and Mineral Resources, (L. Greer Price, Director and State Geologist, Dr. J. Michael Timmons, Geologic Mapping Program Manager).

**Geologic Map of the Wahoo Ranch  
 7.5-Minute Quadrangle, Socorro and  
 Catron Counties, New Mexico**

January, 2014

by  
**G. Robert Osburn<sup>1</sup> and Charles A. Ferguson<sup>2</sup>**

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This draft geologic map is preliminary and will undergo revision. It was produced from either scans of hand-drafted originals or from digitally drafted original maps and figures using a wide variety of software, and is currently in cartographic production. It is being distributed in this draft form as part of the bureau's Open-file map series (OFGM), due to high demand for current geologic map data in these areas where STATEMAP quadrangles are located, and it is the bureau's policy to disseminate geologic data to the public as soon as possible.

After this map has undergone scientific peer review, editing, and final cartographic production adhering to bureau map standards, it will be released in our Geologic Map (GM) series. This final version will receive a new GM number and will supersede this preliminary open-file geologic map.

**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 associated with recent development may not be shown.

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The map has not been reviewed according to New Mexico Bureau of Geology and Mineral Resources standards. The contents of the report and map should not be considered final and complete until reviewed and published by the New Mexico Bureau of Geology and Mineral Resources. The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the State of New Mexico, or the U.S. Government.