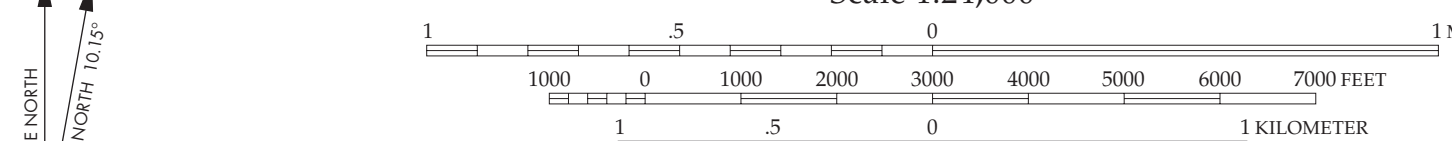
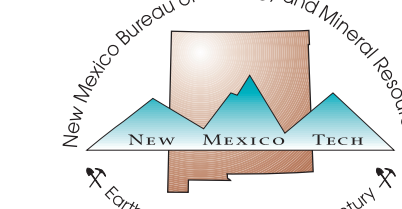


Based on U.S. Geological Survey, Caballo, 1985; Raymond et al., 1927 North American datum; Apache Gap, personal notes 1985; Transverse Mountain geology, 1927 North American datum; 1:50,000 scale based on New Mexico coordinate system, zone 10, 1,000 meters; Generalized Transverse Mountain geol. rks., sheet 1, shown in black; Geology of Williams, Seager and Gray, U.S. Geol. Surv., 1960; 1:50,000 scale; Dredging and Report by R. J. Taylor; Edited by C. Lee, Cartographic review by Adria Beck; Image geo-referenced by James Gilford



UNIT DESCRIPTIONS

- UNIT DESCRIPTIONS
RIO GRANDE VALLEY
Ov1 Younger valley fill alluvium
Ov2 Younger valley fill fluvial deposits
Ov3 Older valley fill alluvium
Ov4 Older valley fill fluvial deposits
Ov5 Interfingering Ovs and Ov4
Ov6 Undifferentiated Ovs and Ov4
JOHNS VALLEY AND EASTERN SLOPE OF CABALLO MOUNTAINS
Ov7 Younger piedmont-slope alluvium
Ov8 Older piedmont-slope alluvium
Ov9 Undifferentiated Ovs and Ov8
CABALLO MOUNTAINS AND RED HILLS
Ov10 Palomas Formation, upper proximal piedmont-slope facies
Ov11 Palomas Formation, upper proximal piedmont-slope facies
Ov12 Palomas Formation, transitional facies
Ov13 Palomas Formation, fluvial and associated facies
Ov14 Palomas Formation, fluvial and associated facies

- Ov15 Palomas Formation, lower proximal piedmont-slope facies
Ov16 Palomas Formation, distal piedmont-slope facies
Ov17 Alluvial facies
Ov18 Rio Grande Formation, conglomerate facies
Ov19 Hooper Ranch Formation
Ov20 Thurman Formation
Ov21 Dikes
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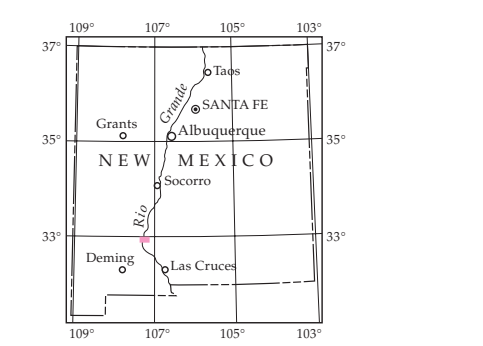
Geology of Caballo and Apache Gap quadrangles, Sierra County, New Mexico

by William R. Seager and Greg H. Mack, 2005

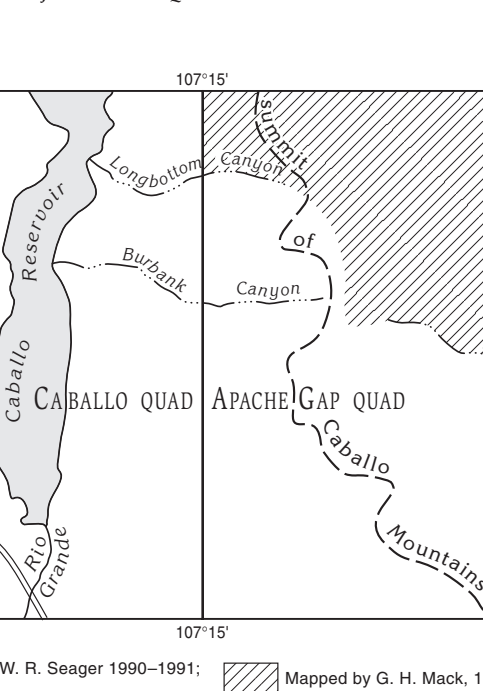
Department of Geological Sciences, New Mexico State University, Las Cruces, New Mexico 88003

MAP SYMBOLS

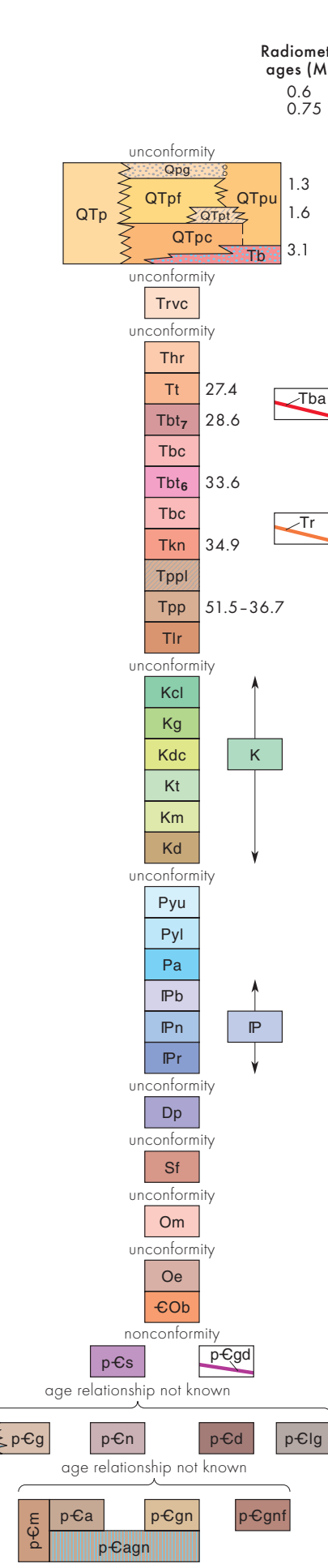
- Geologic contact
Uplapse limit of fluvial facies of the Palomas Formation
Normal fault
Thrust fault
Steeply fault
Antiformal hinge
Synclinal hinge
Overturned anticlinal hinge
Monoclonal flexure
Strike and dip of bedding
Strike and dip of overturned bedding
Arrow showing trend and amount of apparent dip of bedding
Horizontal bedding
Vertical bedding
Strike and dip of metamorphic foliation
Strike and dip of metamorphic foliation; arrow shows trend and plunge of lineation
Vertical foliation in metamorphic rocks
Landslide mass (fragmented), showing breakaway scarps
Torewa block landslide
Line of cross section



ADJOINING QUADRANGLE NAMES table with 10 columns and 10 rows.



CORRELATION OF UNITS



Geological period and age information: Lower Pleistocene, Pleistocene, Pliocene, Miocene to upper Oligocene, Oligocene, Eocene, Upper Cretaceous, Permian, Devonian, Ordovician and Cambrian, Precambrian.