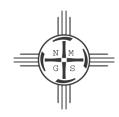
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Back Matter

(Usually includes a stratigraphic column and/or correlation chart.)

in:

Geology of the Taos Region, Brister, Brian; Bauer, Paul W.; Read, Adam S.; Lueth, Virgil W.; [eds.], New Mexico Geological Society 55th Annual Fall Field Conference Guidebook, 440 p. https://doi.org/10.56577/FFC-55

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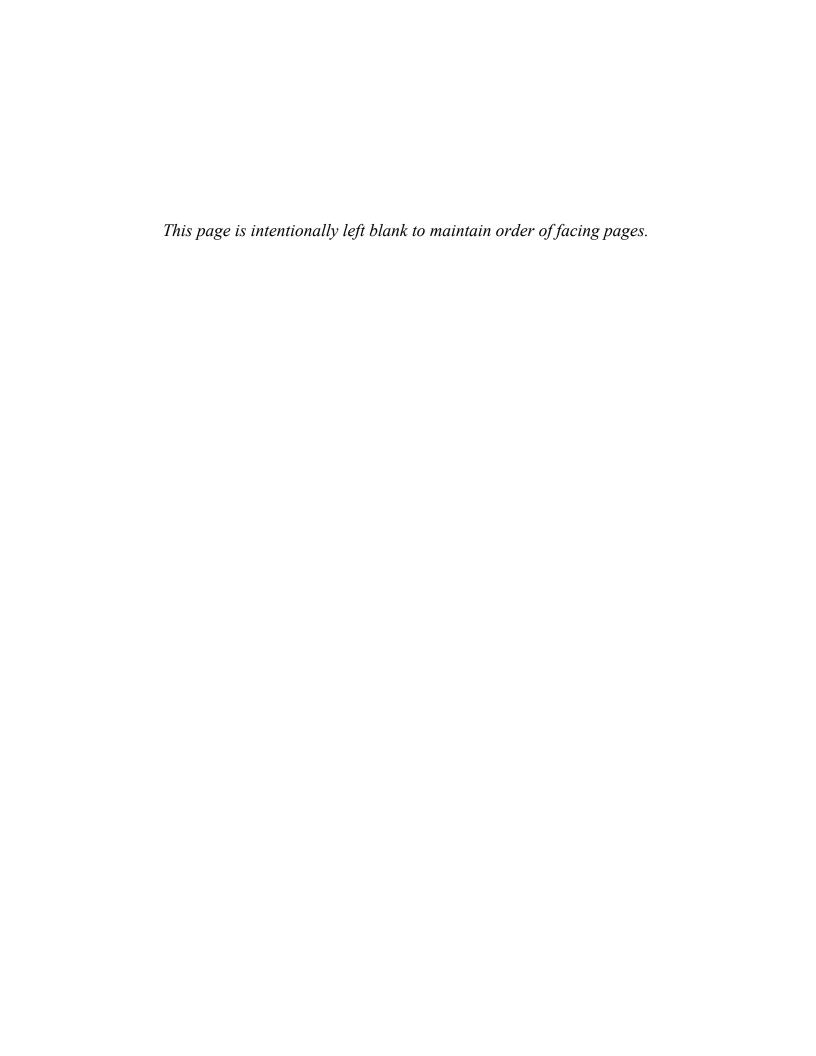
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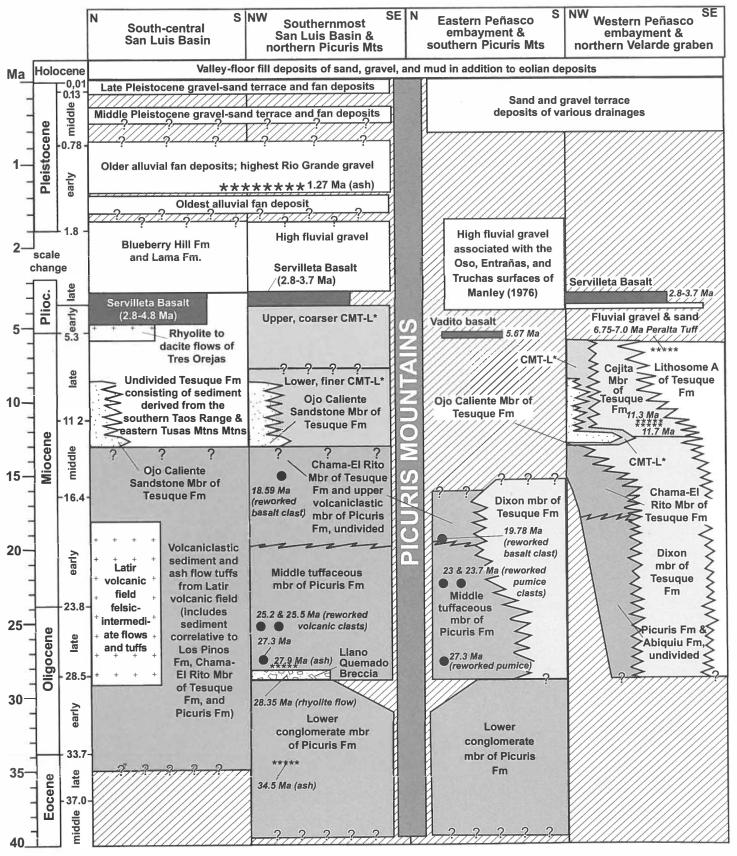
Taos Area Stratigraphy and Correlations for Proterozoic and Paleozoic

P.W. Bauer, K.E. Karlstrom, B.S. Kues, J.P. Dawson, M.T. Heizler, M.L. Williams, A.S. Read, D. Ulmer-Scholle

Paleozoic	Per-	Sangre de Cristo Formation						Ancestral Rocky Mtn Orogeny
	Penn- /Ivaniar							
	Pe	Flechado Formation						
	Mississippian			Tererro Formation		Cowles Member Mañuelitas Member		stral Roc
		Arroyo Peñas	Arroyo Peñasco Group				Turquillo Member Macho Member	
				Espiritu Santo Formation		Carbonate member Del Padre Sandstone Member		
	Proterozoic	Neoprot- erozoic	Diabase dikes?		Diabase dikes?		Diabase dikes?	1.0-0.96 Ga Ar-Ar muscovite (cooling through ~350C)
Mesoproterozoic		1.35-1.27 Ga Ar-Ar muscovite (cooling through ~350C)		1.35 -1.19 Ga Ar-Ar muscovite (cooling through ~350C)		1.3-1.29 Ga Ar-Ar hornblendes (cooling through ~500C before 1.3 Ga)		onism
		1.5-1.3 Ga Ar-Ar hornblende (cooling through ~500C)		1.40- 1.31 Ga Ar-Ar hornblendes (cooling through ~500C)		1.38 Ga U-Pb titanite (cooling through ~600-500C)		Intracratonic Tectonism
		1.44 Ga Penasco 1.48-1.32 Ga U-		1.43 Ga U-Pb metamorphic		1.42 Ga U-Pb metamorphic zircon growth		rator
		quartz monzonite, 1.4 Ga Petaca pegmatites	Pb metamorphic monazite growth	monazite growth		1.42 Ga Pegmatite of Jaroso Canyon		Intraci
		1.63-1.48 Ga regional stabilization of crust and tectonic lull. Rocks at approximately 10 km depth by 1.48 Ga.						
Paleoproterozoic		1.67 Ga Rana quartz monzonite, 1.68 Ga Puntiagudo granite, 1.68 Ga Guadalupita pluton		1.68 Ga Ar-Ar hornblende from Quartz diorite of Cimarron River (cooling through ~500C)		1.64 Ga Quartz monz. of Costilla Ck, 1.68 Ga Granodiorite of Jaracito Cn		eny
		Hondo Group (Piedra Lumbre, Pilar, Rinconada, and Ortega Fms)		Hondo Group? (quartzite and pelitic schist)		Hondo Group? (quartzite and pelitic schist)		Mazatzal Orogeny
		Vadito Group (1.70 Ga Burned Mtn Fm, Glenwoody Fm, Marqueñas Fm, Big Rock Fm, schist, amphibolite)	1.69 Ga Tres Piedras granite, 1.69 Ga Tusas granite, 1.7 Ga (Rb-Sr) Rio Brazos trondhjemite	Vadito Group? (layered gneiss; mafic, felsic, and pelitic gneiss, amphibolite)	1.70 Ga Granite of Eagle Nest, 1.7 Ga Quartz monzonite of Old Mike Peak	Vadito Group? (layered gneiss; mafic, felsic, and pelitic gneiss, amphibolite)		
				1.73 Ga Quartz monzonite of Columbine Creek		1.73 Ga Quartz monzonite of Columbine Creek		Yavapai Orogeny
				1.74 Ga Gold Hill metagabbro				Orog
		1.75 Ga Maquinita granodiorite		1.75 Ga Tonalite of Red River				ıpai
		Moppin Complex (>1.76 Ga mafic-dominated schist & gneiss)		Gold Hill Complex (1.765 Ga mafic to felsic gneiss)				Yava
		Picuris, Tusas & N	N. Rincon Mtns	S. Taos & Cimarron Ranges		N. Taos Range		

Cenozoic Stratigraphy of Region near Taos and Picuris Mountains

Daniel Koning, Scott Aby, Gary Smith, Keith Kelson, and Paul Bauer



^{*} CMT-L = Informal Cieneguilla member of Tesuque Fm as proposed by Leininger (1982) and extended by Koning et al. (this volume), not to be confused with the Cieneguilla Basanite southwest of Santa Fe. This name is problematic and will probably be revised in future work.