Back Matter

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

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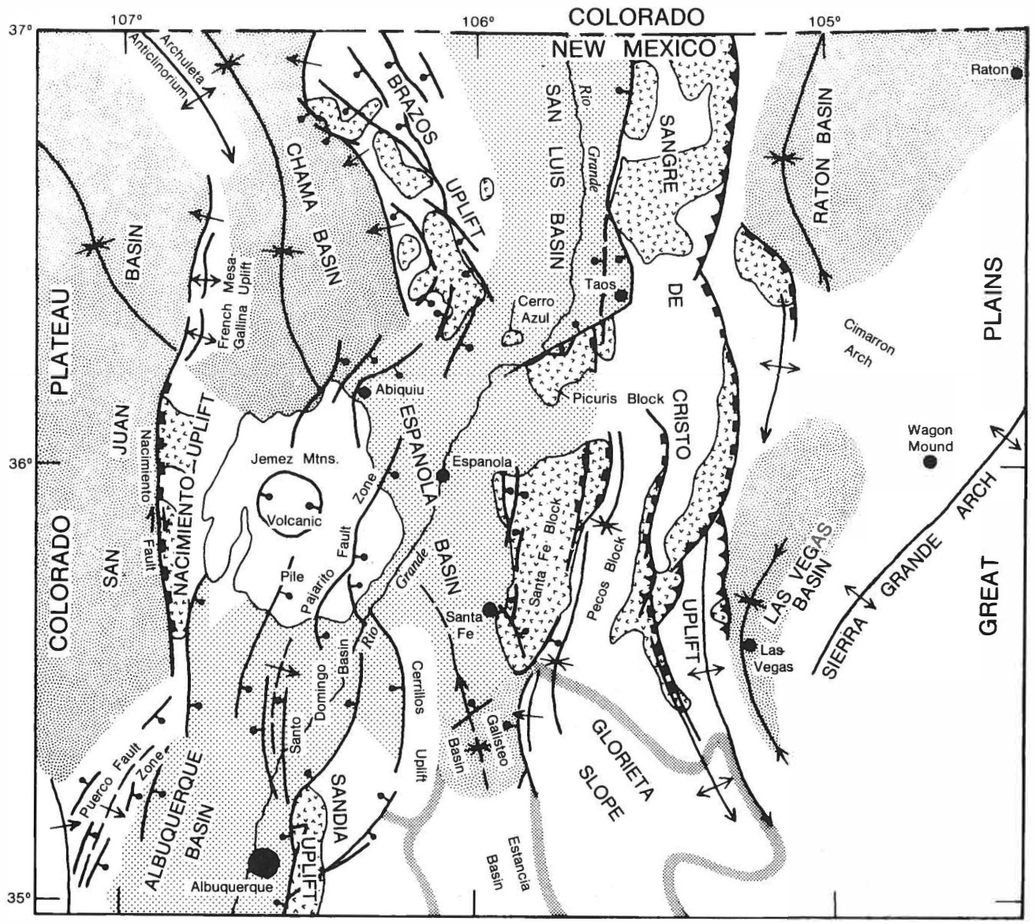

EXPLANATION

- Basins of Rio Grande depression
- Laramide basins
- Principal outcrops of Precambrian rocks
- Approximate boundary of tectonic elements where not delineated by above symbols
- Normal fault--Bar and ball on downthrown side
- Reverse fault--Showing horizontal displacement. Block on upthrown side
- Thrust fault--Teeth on upthrown side
- Syncline--Showing direction of plunge
- Anticline--Showing direction of plunge
- Monocline or anticlinal bend

Map of the major tectonic elements of north-central New Mexico (from Baltz, 1978).

STRATIGRAPHIC NOMENCLATURE CHART

O. J. Anderson, S. G. Lucas, F. E. Kottlowski, P. W. Bauer, D. W. Love, J. W. Hawley, G. S. Smith, F. J. Pazzaglia, and Aaron Cross

Era	Period		Española Basin – Abiquiu Embayment	Southern Sangre de Cristo – Santa Fe Area	Southeastern Sangre de Cristo & Las Vegas Area
Cenozoic	Quaternary	Recent	alluvium; terrace gravels	alluvium; terrace and landslide deposits	valley-fill alluvium; terrace and piedmont gravelly sand; 0.8 Ma basalt; 1.4 Ma basalt
		Pleistocene	Española Fm.; Bandelier Tuff		
	Tertiary	Pliocene	Santa Fe Group: Puye Fm.; Ancha Fm.; Chamita Fm.	Puye Fm.; Ancha Fm.; Cerros del Rio volcanics	
		Miocene	Lobato basalt; Tesuque Fm.; Abiquiu Fm.; Picuris Fm.	Tesuque Fm.; Abiquiu Fm.	
		Oligocene	Conejos Fm.	Espinaso Fm.	
		Eocene	Blanco Basin/El Rito Fms.	Galisteo Fm.	
		Paleocene			
Mesozoic	Cretaceous	Upper	Lewis Shale; Mesaverde Gp.: Cliff House Ss., Menefee Fm., Point Lookout Ss.; Mancos Shale*; Dakota Fm.	Mesaverde Gp.; Mancos Shale*; Dakota Fm.	Pierre Shale; Niobrara Fm.: Carlile Shale, Greenhorn Fm., Graneros Shale; Dakota Gp.: Romeroville Ss., Pajarito Fm., Mesa Rica Ss.
		Lower			
	Jurassic	Upper	Morrison Fm.: Brushy Basin Mbr., Salt Wash Mbr.	Morrison Fm.: Brushy Basin Mbr., Salt Wash Mbr.	Morrison Fm.: Brushy Basin Mbr., Salt Wash Mbr.
		Middle	San Rafael Group: Bluff Sandstone; Summerville Fm.; Todilto Fm.: Tonque Arroyo Mbr., Luciano Mesa Mbr.; Entrada Fm.	San Rafael Group: Upper San Rafael Group; Todilto Fm.: Tonque Arroyo Mbr., Luciano Mesa Mbr.; Entrada Fm.	San Rafael Group: Summerville Fm.; Todilto Fm.: Tonque Arroyo Mbr., Luciano Mesa Mbr.; Entrada Fm.
	Triassic	Upper	Chinle Group: Rock Point Fm.; Petrified Forest Fm.; Poleo Fm.; Salitral Fm.; Agua Zarca Fm.	Chinle Group: Petrified Forest Fm.; Agua Zarca Fm.	Chinle Group: Redonda Fm.; Bull Canyon Fm.; Trujillo Fm.; Garita Creek Fm.; Santa Rosa Fm.
		Middle & Lower		Moenkopi Fm.	Moenkopi Fm.
Paleozoic	Permian	Guadalupian		San Andres Fm.; Glorieta Ss.	Artesia Gp.: Artesia Fm.; San Andres Fm.; Glorieta Ss.
		Leonardian	Cutler Fm.	Yeso Fm.	Yeso Fm.
		Wolfcampian		Sangre de Cristo Fm.	Sangre de Cristo Fm.
	Pennsylvanian	Upper	Madera Fm.; Alamitos Fm.	Alamitos Fm.	Alamitos Fm.; Madera Fm.
		Middle	La Pasada Fm.	La Pasada Fm.	La Pasada Fm.
		Lower	Sandia Fm.		Sandia Fm.
	Mississippian		Arroyo Peñasco Gp.	Arroyo Penasco Group: Tererro Fm.; Espiritu Santo Fm.	Arroyo Penasco Group: Tererro Fm.; Espiritu Santo Fm.
Precambrian	Proterozoic	Middle	in subsurface only	granitic plutons (1.4 Ga)	granitic plutons (1.4 Ga)
		Early		granitic plutons (1.6 Ga); various supracrustal rocks; Thompson Peak complex (1.6 Ga)	granitic plutons (1.6 Ga); Hondo Group; Vadito Group (1.7 Ga); Pecos complex (1.72 Ga)

*Bridge Creek limestone beds