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Back Matter

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

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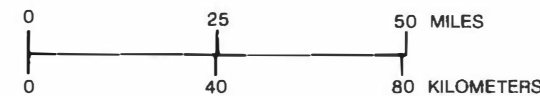
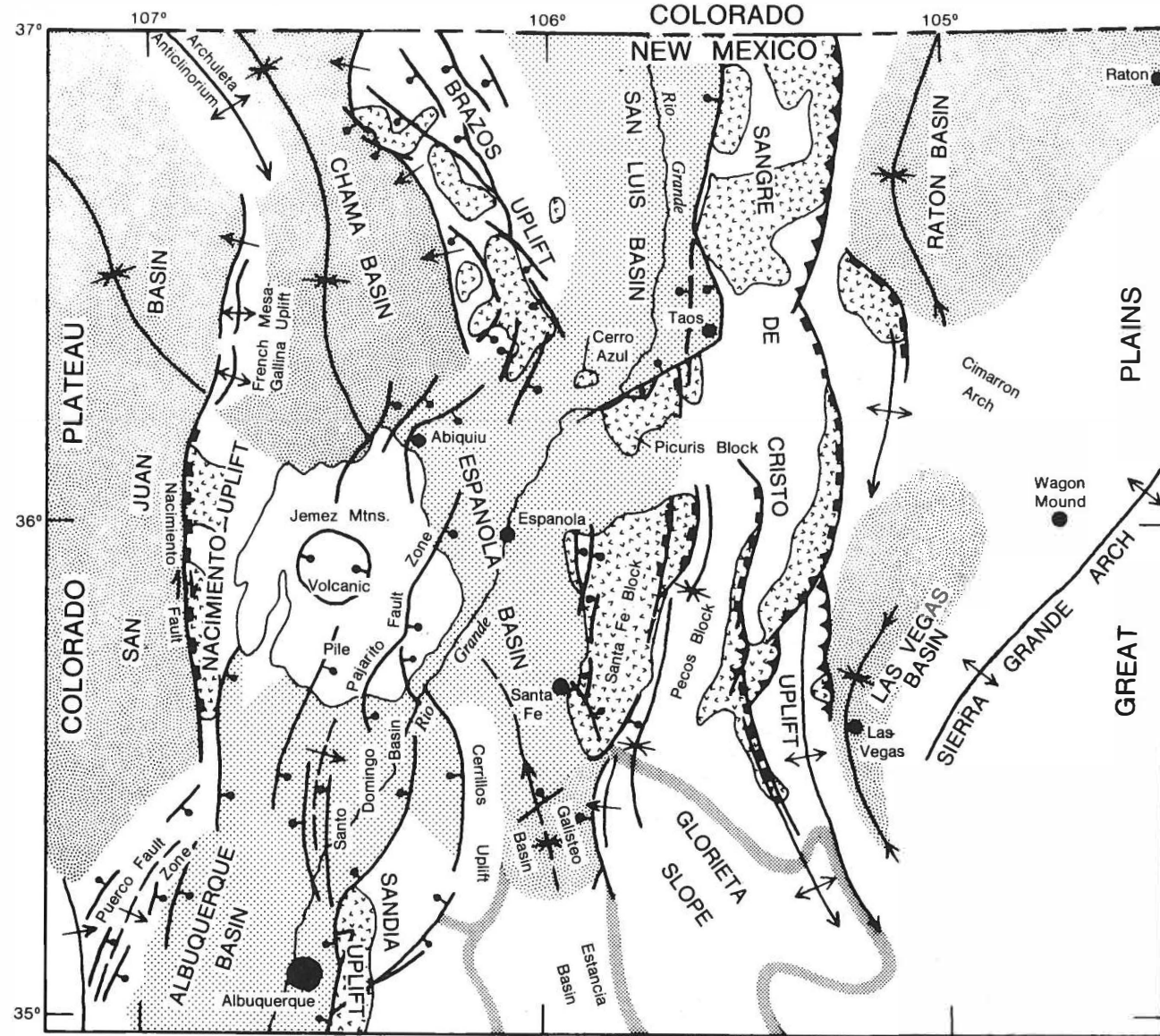
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STRATIGRAPHIC NOMENCLATURE CHART

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



EXPLANATION

- | | | | |
|--|---|--|--|
| | Basins of Rio Grande depression | | Normal fault--Bar and ball on downthrown side |
| | Laramide basins | | Reverse fault--Showing horizontal displacement. Block on upthrown side |
| | Principal outcrops of Precambrian rocks | | Thrust fault--Teeth on upthrown side |
| | Approximate boundary of tectonic elements where not delineated by above symbols | | 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).

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