

**TABLE 1A. DATA ON QUATERNARY FAULTS IN NEW MEXICO**

[Abbreviations: Mtn., Mountain; Mtns., Mountains; MRE, most recent surface-faulting event; ka, thousands of years ago; Ma, millions of years ago]

No.	Name of structure (fault or fold)	Primary 1° x 2° quadrangle	MRE	Slip rate category (mm/yr)	End-to-End Length (km)	Azimuth (average)	Fault type, dip direction
900	East Franklin Mtns. fault	El Paso	<15 ka	0.2-1.0	45.2	002°±27°	Normal, E
901	Hueco fault zone	El Paso	<750 ka	<0.2(?)	NA	353°±24°	Normal, E & W
2001	Gallina fault	Aztec	<1.6 Ma	<0.2	39.3	017°±28°	Normal, W & E
2002a	Nacimiento fault, northern section	Albuquerque	<1.6 Ma	<0.2	35.9	357°±21°	Reverse, normal?, E
2002b	Nacimiento fault, southern section	Albuquerque	<750 ka	<0.2	45.2	356°±13°	Reverse, normal, E & W
2003	Cañones fault	Aztec	<1.6 Ma	<0.2	29.4	029°±18°	Normal, E
2004	Lobato Mesa fault zone	Aztec	<1.6 Ma	<0.2	NA	009°±24°	Normal, W
2005	La Canada del Amagre fault zone	Aztec	<1.6 Ma	<0.2	NA	356°±15°	Normal>dextral, E
2006	Black Mesa fault zone	Aztec	<1.6 Ma	<0.2	18.6	038°±15°	Normal, vertical
2007a	Embudo fault zone, Pilar section	Raton	<130 ka	<0.2	38.7	060°±39°	Sinistral, vertical
2007b	Embudo fault zone, Hernandez section	Aztec	<1.6 Ma	<0.2	31.6	054°±8°	Sinistral?/normal?, vertical
2008	Pajarito fault zone	Albuquerque	<130 ka	<0.2	49.4	005°±34°	Normal, E
2009	Puye fault	Albuquerque	<130 ka	<0.2	NA	358°±19°	Normal, E
2010	Pojoaque fault	Albuquerque	<1.6 Ma	<0.2	NA	002°±18°	Normal, E & W
2011	Unnamed faults northeast of Alma	Clifton	<1.6 Ma	<0.2(?)	NA	347°±12°	Normal, W & E
2012	Mogollon fault zone	Clifton	<1.6 Ma	<0.2(?)	15.3	323°±18°	Normal, SW
2013	Mocking Bird Hill fault zone	Silver City	<750 ka	<0.2(?)	NA	018°±21°	Normal, W
2014	Unnamed fault south of Gila	Silver City	<750 ka	<0.2(?)	3.6	308°±8°	Normal, W & SW
2015	Mesita fault	Raton	<130 ka	<0.2	8.6	351° ± 24	Normal, W
2016	Sunshine Valley fault	Raton	<130 ka	<0.2(?)	14.1	004°±11°	Normal, E
2017a	Southern Sangre de Cristo fault, San Pedro Mesa section	Trinidad	<130 ka	<0.2(?)	NA	011° ±10	Normal, W
2017b	Southern Sangre de Cristo fault, Urraca section	Raton	<15 ka	<0.2(?)	NA	003°±45°	Normal, W
2017c	Southern Sangre de Cristo fault, Questa section	Raton	<15 ka	<0.2(?)	NA	006°±27°	Normal, W
2017d	Southern Sangre de Cristo fault, Hondo section	Raton	<15 ka	<0.2(?)	NA	330°±37°	Normal, W
2017e	Southern Sangre de Cristo fault, Cañon section	Raton	<15 ka	<0.2(?)	NA	021°±22°	Normal, W
2018	Valle Vidal fault	Raton	<15 ka	0.2-1.0(?)	7.3	007°±14°	Normal, W
2019	Red River fault	Raton	<130 ka	<0.2	NA	337°±15°	Normal, E

2020	Las Tablas fault	Raton	<1.6 Ma	<0.2	14.4	341°±13°	Normal, W
2021	Stong fault	Raton	<1.6 Ma	<0.2	8.1	335°±12°	Normal, E
2022	Los Cordovas fault	Raton	<1.6 Ma	<0.2	NA	355°±17°	Normal, W
2023	Picuris-Pecos fault	Santa Fe	<1.6 Ma	<0.2	98.2	016°±14°	Normal, vertical
2024	Nambe fault	Santa Fe	<1.6 Ma	<0.2	NA	356°±27°	Sinistral?/normal ?, W & E
2025	Lang Canyon fault	Douglas	<750 ka	<0.2(?)	0.6	019°±14°	Normal, W
2026	Rendija Canyon fault	Albuquerque	<130 ka	<0.2	11.1	001°±11°	Normal, W
2027	Guaje Mountain fault	Albuquerque	<15 ka	<0.2	10.7	002°±11°	Normal, W
2028	Sawyer Canyon fault	Albuquerque	<130 ka	<0.2	8.4	349°±17°	Normal, E
2029a	Jemez-San Ysidro fault, Jemez section	Albuquerque	<1.6 Ma	<0.2	24.1	040°±14°	Normal, E to W
2029b	Jemez-San Ysidro fault, San Ysidro section	Albuquerque	<750 ka	<0.2	33.6	358°±20°	Normal, E
2030a	San Felipe fault, Santa Ana section	Albuquerque	<1.6 Ma	<0.2(?)	NA	004°±18°	Normal, E
2030b	San Felipe fault, Algodones section	Albuquerque	<1.6 Ma	<0.2(?)	NA	353°±15°	Normal, W
2031	San Francisco fault	Albuquerque	<1.6 Ma	<0.2(?)	25.7	033°±31°	Normal, W
2032	La Bajada fault	Albuquerque	<1.6 Ma	<0.2(?)	40.3	351°±26°	Normal, W
2033a	Tijeras-Cañoncito fault, Galisteo section	Albuquerque	<1.6 Ma	0.2-1.0(?)	37.1	049°±42°	Sinistral, vertical
2033b	Tijeras-Cañoncito fault, Canyon section	Albuquerque	<130 ka	0.2-1.0(?)	42.4	043°±12°	Sinistral, vertical
2034	Bernalillo fault	Albuquerque	<750 ka	<0.2(?)	5.6	006°±14°	Normal, W
2035	Calabacillas fault	Albuquerque	<750 ka	<0.2(?)	40.2	007°±16°	Normal, E
2036	Rincon fault	Albuquerque	<15 ka	<0.2	12.2	013°±23°	Normal, W
2037	Sandia fault	Albuquerque	<750 ka	<0.2(?)	NA	003°±20°	Normal, W
2038	County Dump fault	Albuquerque	<130 ka	<0.2	35.3	005°±28°	Normal, E
2039	Sand Hill fault zone	Albuquerque	<1.6 Ma	<0.2(?)	35.6	006°±13°	Normal, E
2040	East Paradise fault zone	Albuquerque	<130 ka	<0.2	13.1	004°±15°	Normal, W
2041	Unnamed faults near Picuda Peak	Albuquerque	<1.6 Ma	<0.2(?)	NA	001°±19°	Normal, E & W
2042	West Paradise fault zone	Albuquerque	<750 ka	<0.2(?)	10.2	357°±12°	Normal, W
2043	Faults north of Placitas	Albuquerque	<750 ka	<0.2(?)	NA	010°±55°	Normal, NW
2044	Four Hills Ranch fault	Albuquerque	<750 ka	<0.2(?)	3.0	049°±11°	Normal(?), NW(?)
2045	Unnamed faults near Loma Barbon	Albuquerque	<1.6 Ma	<0.2(?)	NA	357°±21°	Normal, W & E
2046	Zia fault	Albuquerque	<750 ka	<0.2(?)	32.4	014°±14°	Normal, E
2047	Unnamed faults near Loma Colorado de Abajo	Albuquerque	<1.6 Ma	<0.2(?)	NA	348°±43°	Normal, W & N
2048	Unnamed faults near Star Heights	Albuquerque	<750 ka	<0.2(?)	NA	004°±24°	Normal, E>W
2049	Unnamed faults near Albuquerque Volcanoes	Albuquerque	<750 ka	<0.2(?)	NA	355°±18°	Normal, E & W
2050	El Oro fault	Santa Fe	<750 ka	<0.2(?)	26.9	010°±24°	Normal, W

2051a	Artillery Range fault, northern section	Las Cruces	<130 ka	<0.2(?)	21.8	006°±44°	Normal, E
2051b	Artillery Range fault, southern section	Las Cruces	<750 ka	<0.2(?)	15.7	324°±29°	Normal, E
2052a	Organ Mountains fault, Cox Ranch (northern) section	Las Cruces	<15 ka	0.2-1.0	18.3	356°±45°	Normal, E
2052b	Organ Mountains fault, southern section	Las Cruces	<1.6 Ma	<0.2	6.8	003°±5°	Normal, E(?)
2053a	San Andres fault, northern section	Tularosa	<130 ka	<0.2(?)	25.7	025°±25°	Normal, E
2053b	San Andres fault, central section	Tularosa	<130 ka	<0.2(?)	50.6	353°±33°	Normal, E
2053c	San Andres fault, southern section	Las Cruces	<15 ka	<0.2(?)	37.3	359°±32°	Normal, E
2054a	Alamagordo fault, Three Rivers section	Tularosa	<15 ka	<0.2	34.7	347°±27°	Normal, W
2054b	Alamagordo fault, Sacramento Mtns. section	Carlsbad	<15 ka	<0.2	62.0	346°±21°	Normal, W
2054c	Alamagordo fault, McGregor section	Carlsbad	<130 ka	<0.2(?)	14.9	021°±28°	Normal, W
2055	Unnamed fault/monocline	Las Cruces	<750 ka	<0.2(?)	19.6	304°±27°	Normal, SW
2056a	Jornada Draw fault, northern section	Tularosa	<750 ka	<0.2	20.6	341°±16°	Normal, E
2056b	Jornada Draw fault, central section	Las Cruces	<1.6 Ma	<0.2(?)	25.5	343°±23°	Normal, NE
2056c	Jornada Draw fault (and monocline), southern section	Las Cruces	<750 ka	<0.2	18.3	309°±27°	Normal, NE
2057	Unnamed fold	Las Cruces	<15 ka	<0.2(?)	3.1	353°±7°	Anticline, E & W
2058	Guadalupe fault	Carlsbad	<15 ka	<0.2(?)	5.6	355°±10°	Normal, W
2059	Unnamed fault northeast of Longhorn Ranch	Santa Fe	<1.6 Ma	<0.2(?)	10.0	006°±38°	Normal, W
2060	Engle Lake fault	Tularosa	<750 ka	<0.2	9.2	347°±19°	Normal, E
2061	East Tonuco fault/fold	Las Cruces	<750 ka	<0.2	14.5	316°±34°	Normal, N & E
2062	Unnamed intrabasin faults	Las Cruces	<750 ka	<0.2(?)	NA	NA	Normal, W, N & E
2063	East Robledo fault	Las Cruces	<750 ka	<0.2(?)	NA	003°±27°	Normal, E
2064	West Robledo fault	Las Cruces	<1.6 Ma	<0.2	102.5	008°±25°	Normal, W
2065	Fitzgerald fault	Las Cruces	<750 ka	<0.2(?)	27.0	007°±22°	Normal, W
2066	East Potrillo fault	El Paso	<130 ka	<0.2	30.7	336°±24°	Normal, NE
2067	Mastodon fault	El Paso	<750 ka	<0.2	13.8	322°±18°	Normal, SW
2068	Unnamed fault southeast of Strauss	El Paso	<750 ka	<0.2	9.1	317°±40°	Normal, NE
2069	Unnamed fault north of Strauss	El Paso	<750 ka	<0.2	6.9	001°±8°	Normal, E
2070	Unnamed fault east of Black Mountain	Las Cruces	<1.6 Ma	<0.2	3.0	313°±8°	Normal, NE
2071	Mount Riley fault (zone)	El Paso	<1.6 Ma	<0.2(?)	35.9	327°±22°	Normal, SW
2072	Quebraditas fault (zone)	Santa Fe	<750 ka	<0.2	14.7	040°±33°	Normal, NW
2073	Camel Mountain fault	El Paso	<1.6 Ma	<0.2(?)	47.0	347°±33°	Normal, W
2074	Unnamed fault north of Eagles Nest	Las Cruces	<1.6 Ma	<0.2(?)	4.0	348°±19°	Not reported

2075	West Florida Mountains fault	Las Cruces	<130 ka	<0.2	19.8	014°±18°	Normal, W
2076	Unnamed faults north of Hermanas	El Paso	<1.6 Ma	<0.2(?)	NA	344°±9°	Normal, E
2077	Unnamed faults and folds of La Mesa	Las Cruces	<1.6 Ma	<0.2	NA	013°±19°	Normal, W & E
2078	Ward Tank fault	Las Cruces	<750 ka	<0.2	34.1	006°±16°	Normal, E
2079	Sierra Kemado fault	Las Cruces	<750 ka	<0.2	7.0	336°±24°	Normal, NE & SW
2080	Hackler Tank fault	Las Cruces	<750 ka	<0.2	8.7	331°±23°	Normal, NE & SW
2081	Sierra de las Uvas fault (zone)	Las Cruces	<750 ka	<0.2	18.0	052°±32°	Normal, NW & N
2082	Unnamed faults south of Placitas Arroyo	Las Cruces	<750 ka	<0.2(?)	5.8	083°±11	Normal, N
2083	East Rincon Hills fault	Las Cruces	<750 ka	<0.2	7.0	006°±20°	Normal, E
2084	Blue Mountain fault	Las Cruces	<750 ka	<0.2	14.9	046°±15°	Normal, NW
2085	Black Hills fault	Las Cruces	<1.6 Ma	<0.2(?)	8.2	340°±13°	Normal, W
2086	Derry fault	Las Cruces	<750 ka	<0.2(?)	8.2	300°±21°	Normal, SW
2087a	Red Hills fault, northern section	Las Cruces	<130 ka	<0.2(?)	7.6	004°±29°	Normal, W
2087b	Red Hills fault, southern section	Las Cruces	<750 ka	<0.2(?)	6.4	340°±25°	Normal, W
2088a	Caballo fault, Williamsburg section	Tularosa	<15 ka	<0.2	8.3	342°±20°	Normal, W
2088b	Caballo fault, central section	Las Cruces	<15 ka	<0.2	13.3	006°±19°	Normal, W
2089	Unnamed fold northwest of Rincon	Las Cruces	<1.6 Ma	<0.2(?)	5.3	312°±26°	Syncline, N & S
2090	Rimrock fault	Silver City	<130 ka	<0.2	7.8	335°±14°	Normal, SW
2091	Pearson Mesa faults	Silver City	<130 ka	<0.2	5.1	035°±24°	Normal, NW
2092	Washburn Ranch fault zone	Silver City	<15 ka	<0.2	12.0	340°±20°	Normal, E
2093	Animas Valley fault	Silver City	<15 ka	<0.2	20.4	009°±21°	Normal, W
2094a	Gold Hill fault zone, northern section	Silver City	<130 ka	<0.2	10.2	333°±36°	Normal, SW
2094b	Gold Hill fault zone, southern section	Silver City	<750 ka	<0.2(?)	15.6	303°±14°	Normal, S
2095	Gray Ranch fault zone	Douglas	<130 ka	<0.2	NA	353°±18°	Normal, E
2096	Gillespie Mountain fault	Douglas	<130 ka	<0.2	21.6	014°±26°	Normal, W
2097	Unnamed faults west of the Pyramid Mountains	Silver City	<130 ka	<0.2(?)	16.5	357°±14°	Normal, W
2098	Foothills fault	Las Cruces	<1.6 Ma	<0.2(?)	7.1	342°±19°	Normal, W
2099	Central fault	Las Cruces	<1.6 Ma	<0.2(?)	3.3	343°±32°	Normal, W
2100	Hot Springs fault	Tularosa	<1.6 Ma	<0.2(?)	28.4	024°±23°	Normal, NW
2101	Mud Springs fault	Tularosa	<750 ka	<0.2(?)	19.6	359°±24°	Normal, W
2102	Walnut Springs fault	Tularosa	<1.6 Ma	<0.2(?)	20.8	004°±12°	Normal, W
2103	Palomas Creek fault zone	Tularosa	<750 ka	<0.2(?)	NA	002°±20°	Normal, E & W
2104	Cuchillo Negro fault zone	Tularosa	<130 ka	<0.2(?)	NA	010°±14°	Normal, E & W

2105	Unnamed faults west of Caballo Reservoir	Las Cruces	<750 ka	<0.2(?)	NA	010°±21°	Normal, W & E
2106	Unnamed faults west of Elephant Butte Reservoir	Tularosa	<750 ka	<0.2(?)	NA	019°±9°	Normal, E & W
2107	Milligan Gulch fault zone	Tularosa	<750 ka	<0.2(?)	NA	001°±16°	Normal, E & W
2108a	Socorro Canyon fault zone, northern section	Socorro	<750 ka	<0.2(?)	22.5	356°±28°	Normal, E
2108b	Socorro Canyon fault zone, southern section	Tularosa	<130 ka	<0.2	26.1	341°±22°	Normal, E & W (minor)
2109a	La Jencia fault, northern section	Socorro	<130 ka	<0.2	14.0	005°±24°	Normal, E
2109b	La Jencia fault, southern section	Socorro	<15 ka	<0.2	20.2	324°±19°	Normal, NE
2110	West Joyita fault zone	Socorro	<1.6 Ma	<0.2(?)	48.0	350°±24°	Normal, W
2111	Cliff fault	Socorro	<130 ka	<0.2(?)	19.3	002°±8°	Normal, W
2112	Loma Blanca fault	Socorro	<130 ka	<0.2(?)	22.7	359°±17°	Normal, E
2113	Loma Pelada fault	Socorro	<130 ka	<0.2(?)	24.3	352°±21°	Normal, E
2114	Coyote Springs fault	Socorro	<15 ka	<0.2(?)	16.9	338°±27°	Normal, E & NE
2115	Unnamed intrabasin faults west of Rio Puerco	Socorro	<750 ka	<0.2(?)	NA	353°±14°	Normal, E & W
2116	Sabinal fault	Socorro	<130 ka	<0.2(?)	19.6	350°±8°	Normal, W
2117	Unnamed faults on the Llano de Manzano	Socorro	<750 ka	<0.2(?)	NA	019°±19°	Normal, E & W (minor)
2118	Los Pinos fault	Socorro	<1.6 Ma	<0.2(?)	18.4	032°±12°	Normal, NW
2119	Manzano fault	Socorro	<750 ka	<0.2(?)	54.1	008°±25°	Normal, W
2120	Hubble Spring fault	Socorro	<130 ka	<0.2(?)	NA	003°±33°	Normal, W
2121	Intrabasin faults on the Llano de Albuquerque	Socorro	<750 ka	<0.2(?)	NA	002°±18°	Normal, E & W
2122	Cat Mesa fault	Socorro	<750 ka	<0.2(?)	20.0	001°±16°	Normal, E
2123	Santa Fe fault	Socorro	<1.6 Ma	<0.2(?)	29.6	004°±13°	Normal, E
2124	Unnamed fault west of Mountainair	Socorro	<130 ka	<0.2	14.2	024°±11°	Normal, NW
2125	VLA faults	Socorro	<130 ka	<0.2	14.6	NA	Normal, W & E
2126	Unnamed faults northeast of Datil	Socorro	<750 ka	<0.2	NA	024°±16°	Normal, E & SE
2127	Unnamed faults at North Lake	Socorro	<750 ka	<0.2(?)	NA	312°±10°	Normal, NE & SW
2128	Coyote fault	Socorro	<750 ka	<0.2(?)	10.6	003°±43°	Normal, W
2129	Cedar Lake and Antelope faults	Tularosa	<750 ka	<0.2(?)	6.4	325°±8°	Normal, NE
2130	Black Hill fault	Tularosa	<130 ka	<0.2(?)	14.4	002°±21°	Normal, E
2131	Unnamed faults along San Mateo Mountains	Tularosa	<750 ka	<0.2(?)	41.1	000°±19°	Normal, W
2132	Unnamed faults west of Bosque del Apache	Tularosa	<1.6 Ma	<0.2(?)	NA	053°±15°	Normal, SE & NW
2133	Fra Cristobal fault zone	Tularosa	<750 ka	<0.2(?)	21.8	000°±12°	Normal, E
2134	Unnamed faults on Cuchillo Plain	Tularosa	<1.6 Ma	<0.2(?)	NA	352°±15°	Normal, E & W
2135	McCormick Ranch faults	Socorro	<750 ka	<0.2(?)	NA	006°±29°	Normal, E & W

2136	Hickman fault	St. Johns	<1.6 Ma	<0.2(?)	9.0	022°±16°	Normal, W
2137	Unnamed fault east of Mangas	St. Johns	<1.6 Ma	<0.2(?)	2.9	335°±12°	Normal, SW
2138	Red Hill faults	St. Johns	<1.6 Ma	<0.2(?)	14.9	024°±12°	Normal, SE & NW
2139	Unnamed fault west of Hatch	Las Cruces	<1.6 Ma	<0.2(?)	4.8	302°±16°	Normal, SW
2140	Cebollita Mesa fault	Socorro	<15 ka	<0.2(?)	13.3	003°±18°	Normal, W
2141	Hachita Valley fault	Douglas	<750 ka	<0.2(?)	22.5	004°±10°	Normal, E
2142	Faults near Cochiti Pueblo	Albuquerque	<1.6 Ma	<0.2(?)	NA	345°±18°	Normal, E & W
2143a	Unnamed faults of the Valles caldera	Albuquerque	<1.6 Ma	<0.2(?)	NA	NA	Normal
2143b	Unnamed faults of the Toledo caldera	Albuquerque	<1.6 Ma	<0.2(?)	NA	NA	Normal
2143c	Unnamed faults along the Valles and Toledo caldera walls	Albuquerque	<1.6 Ma	<0.2(?)	NA	NA	Normal
2143d	Unnamed faults related to resurgent dome of the Valles caldera	Albuquerque	<1.6 Ma	<0.2(?)	NA	NA	Normal

**TABLE 1B. DATA ON SUSPECT AND DISCOUNTED FAULTS IN NEW MEXICO**  
[No. 0000 designates an unnumbered structure. The letter S indicates a feature that is of suspect origin, whereas the letter D indicates a discounted (non-tectonic or pre-Quaternary) feature]

NO.	NAME OF STRUCTURE (FAULT OR FOLD)	PRIMARY 1°x2° QUADRANGLE	REASON FOR EXCLUSION
0000S	Continental Divide fault (suspect)	St. Johns	May be of non-tectonic (volcanic) origin
0000S	Unnamed faults of El Malpais lava field (suspect)	St. Johns	May be of non-tectonic (volcanic) origin
0000S	Unnamed fault of Bonita Canyon (suspect)	St. Johns	May be of non-tectonic (volcanic) origin
0000D	Barrera fault (discounted)	Carslbad	Pre-Quaternary (>1.6 Ma)
0000D	Dan Valley fault (discounted)	Gallup	Pre-Quaternary (>1.6 Ma)
0000D	Jaralosa Draw fault (discounted)	St. Johns	Not a fault
0000D	Malpais fault (discounted)	El Paso	Pre-Quaternary (>1.6 Ma)
0000D	Mangas fault (discounted)	Silver City	Pre-Quaternary (>1.6 Ma)
0000D	Moreno Hill fault (discounted)	St. Johns	Pre-Quaternary (>1.6 Ma)
0000D	Nutria monocline (discounted)	Gallup	Pre-Quaternary (>1.6 Ma)
0000D	Vaughn fault (discounted)	Fort Sumner	Pre-Quaternary (>1.6 Ma) and may be of non-tectonic (solution collapse) origin