Data Repository Table 1: New Mexico Fault Localities

Locality Information						Fault Information							
				Bedding				Avg. Slickenline			Avg. Ideal Sigma 1		
Loc. #	Lat.	Long.	Unit*	Strike	Dip	Sub-set	N	Trend	Plg	E1	Trend	Plg	E1
n1	35.545	106.830	Traz	105	7	all	14	208	17	0.93	219	17	0.96
n2	35.553	106.832	Traz	125	7	all	14	(no slickenlines, bisector 62-10)					
n3	35.561	106.832	Traz	99	8	all	7	199	8	0.91	210	10	0.97
n6	35.506	106.812	Kd	55	16	all	30	230	5	0.81	229	5	0.85
n7	35.506	106.812	Kd	120	22	all	13	256	17	0.90	264	13	0.95
n8	35.506	106.812	Kd	75	22	all	14	85	9	0.84	84	6	0.91
n9	35.550	106.822	Traz	43	19	all	24	40	9	0.84	44	2	0.96
n10	35.555	106.837	Jm	330	45	all	22	70	11	0.75	75	12	0.85
n11	35.562	106.835	Traz	143	25	all	43	76	0	0.71	76	16	0.85
n12	35.559	106.835	Traz	143	20	all	12	49	9	0.69	57	10	0.95
n13	35.548	106.823	Traz	82	10	all	12	219	15	0.92	223	15	0.95
n14	35.506	106.812	Kd	78	12	all	63	(no slickenlines, bisector 256-0)					
n15	35.735	106.878	Kd	180	15	all	23	260	15	0.85	77	2	0.93
n16	35.733	106.875	Kd	174	50	all	10	249	47	0.75	250	18	0.70
n17	35.723	106.875	Kd	282	7	all	26	39	6	0.85	46	8	0.88
n19	35.726	106.887	Kd	292	11	all	10	238	7	0.90	251	1	0.97
n20	36.006	106.855	Traz	175	5	all	5	86	16	0.95	60	11	0.96
n21	35.999	106.882	Traz	175	10	all	21	239	12	0.90	243	2	0.92
n22	35.993	106.887	Traz	175	15	all	15	224	17	0.86	222	6	0.79
n23	36.230	106.852	Traz	230	40	all	29	60	12	0.93	50	9	0.86
n24	35.714	106.923	Kd	206	10	all	36	284	11	0.94	259	10	0.93
n25	35.983	106.922	Trp	182	17	all	21	259	27	0.85	258	5	0.86
n26	35.981	106.920	Kd	14	133	all	23	261	38	0.82	244	16	0.84
n27	35.722	106.922	Jm	12	5	all	32	247	1	0.99	267	7	0.96
n28	35.729	106.907	Jm	12	5	all	32	243	8	0.93	257	4	0.94
n39	36.227	106.872	Kd	278	50	all	21	75	13	0.81	66	20	0.82
n40	35.987	106.900	Kd	175	22	all	15	68	21	0.57	81	10	0.79
81	35.057	107.789	Kd	18	15	1	50	81	11	0.83	83	8	0.97
82	35.988	106.853	Jm	82	19	1	51	243	3	0.88	246	5	0.94
83	35.988	106.958	Jm	120	4	all	29	49	1	0.92	225	6	0.96
84	36.000	106.907	Jm	40	8	all	40	83	8	0.80	73	7	0.91
g1	36.256	106.405	Traz	260	7	all	31	212	3	0.77	217	1	0.93
g2	36.249	106.403	Trc	260	7	all	5	227	25	0.95	51	1	0.93
g3	36.242	106.426	Traz	0	0	all	28	241	20	0.89	52	0	0.89
g4	36.340	106.443	Kd	0	0	all	44	72	5	0.85	76	2	0.80
						1	27				272	2	0.95
						2	17				45	9	0.92
g5	36.358	106.493	Kd	0	0	all	12	278	6	0.86	270	6	0.95
g6	36.353	106.489	Jm	0	0	all	9	250	5	0.85	257	3	0.92
g7	36.400	106.493	Kd	0	0	all	15	71	15	0.91	254	3	0.97
86	36.667	106.717	Kd	312	4	all	106	69	2	0.77	54	2	0.82
89	36.586	106.732	Kd	290	12	all	31	265	8	0.91	258	5	0.89
p1	35.460	105.670	Pg	82	5	2	30	357	4	0.85	16	0	0.95
p2	35.462	105.648	Pg	82	5	2	9	227	5	0.89	212	5	0.98
p3	35.497	105.697	Trsr	145	12	2	10	182	12	0.65	192	3	0.84
p4	35.552	105.823	Trsr	148	31	all	32	237	26	0.84	235	20	0.81
						1	17				256	14	0.91

						2	15				211	23	0.95
p5	35.578	105.794	Psc	355	13	all	38	81	5	0.79	267	1	0.87
						1	32				273	0	0.94
						2	4				216	2	0.93
p6	35.544	105.739	Pg	50	9	all	41	38	6	0.82	42	6	0.82
						1	11				53	5	0.83
						2	8				27	7	0.91
p7	35.541	105.752	Trsr	104	14	1	14	270	8	0.78	260	6	0.96
p8	35.552	105.758	Pg	165	10	all	32	236	6	0.66	254	5	0.73
						1	20				266	2	0.95
						2	9				199	16	0.96
p9	35.464	105.887	Tdt	242	21	all	26	142	6	0.72	327	13	0.69
						1	16				314	9	0.89
						2	9				10	18	0.79
p10	35.592	105.777	Psc	85	17	1	48	269	2	0.81	264	3	0.95
p11	35.555	105.820	Pg	202	15	all	35	244	2	0.55	206	11	0.57
						1	9				87	10	0.68
						2	20				196	13	0.73
p12	35.567	105.800	Psc	355	10	all	48	244	4	0.66	246	2	0.72
						1	35				253	0	0.93
						2	13				179	13	0.88
p13	35.511	105.842	Trsr	162	3	1	21	78	0	0.88	82	0	0.95
p14	35.507	105.852	Pg	176	20	all	18	351	4	0.61	209	5	0.71
						1	8				240	15	0.97
						2	10				4	6	0.88
p15	35.506	105.845	Trsr	200	15	1	8	256	14	0.91	258	12	0.92
p16	35.506	105.839	Trsr	210	10	all	22	256	10	0.70	260	7	0.67
						1	13				271	10	0.93
						2	7				17	7	0.88
p17	35.529	105.838	Trsr	18	30	3	28	244	38	0.57	256	11	0.52
p18	35.528	105.839	Pg	19	41	3	21	285	17	0.69	288	4	0.73
p19	35.518	105.828	Pg	51	14	1	20	95	10	0.77	92	4	0.88
p20	35.525	105.839	Pg	22	30	3	27	156	66	0.70	200	78	0.82
p21	35.409	105.951	Tg	0	0	2	8	37	9	0.76	38	4	0.92
p22	35.409	105.941	Tg	304	6	2	30	202	6	0.96	208	3	0.96
p23	35.414	105.600	Pg	335	4	all	26	21	2	0.81	14	1	0.93
						1	2				234	4	0.99
						2	24				12	2	0.97
p24	35.400	105.318	Pg	344	8	all	41	222	7	0.64	209	8	0.73
						1	13				253	3	0.93
						2	26				192	9	0.92
p25	35.416	105.307	Pg	195	15	all	53	39	2	0.77	40	3	0.85
						1	13				73	4	0.90
						2	40				31	3	0.93
p26	35.506	105.261	Pg	322	56	3	24	56	21	0.81	65	6	0.73
p27	35.398	105.556	Pg	135	3	all	25	(no slickenlines, bisector 13-4)					
p28	35.317	106.394	Pg	29	18	all	34	236	3	0.83	228	1	0.82
						1	18				64	3	0.88
						2	11				203	10	0.94
p29	35.354	106.387	Pg	324	33	all	20	236	1	0.60	230	5	0.67
						1	12				249	6	0.87
						2	8				10	1	0.83

p30	35.283	105.445	Pg	16	22	all	12	(normal faults)					
p31	35.257	105.375	Pg	65	6	2	24	228	6	0.92	210	7	0.93
p32	35.370	105.373	Pg	75	4	2	18	46	3	0.81	39	3	0.91
p33	35.349	105.303	Pg	0	0	2	20	203	6	0.88	29	7	0.94
p34	35.464	106.208	Kd	350	12	2	34	189	0	0.80	18	3	0.93
p35	35.460	106.211	Kd	350	12	all	34	29	10	0.79	20	5	0.74
						1	13				61	14	0.97
						2	21				181	0	0.95
p36	35.040	105.949	Pg	0	0	2	47	3	6	0.75	2	5	0.95
p37	35.402	105.983	Tg	230	27	2	32	224	2	0.78	42	0	0.89
p39	35.444	105.887	Trsr	74	30	all	32	42	0	0.89	173	11	0.55
						1	13				106	7	0.90
						2	18				189	8	0.88
p40	35.525	105.251	Kd	31	13	all	53	33	5	0.75	26	3	0.70
						1	15				86	10	0.83
						2	38				17	2	0.89
p41	35.560	105.242	Kd	0	33	all	21	135	27	0.63	121	22	0.57
						1	12				114	22	0.90
						2	7				204	7	0.91
p42	35.562	105.275	Pg	12	44	3	7	125	36	0.76	103	42	0.86
p43	35.597	105.211	Kn	226	7	2	23	234	4	0.82	219	3	0.96
p44	35.467	105.166	Kd	0	0	2	20	185	1	0.90	183	1	0.97
p45	35.900	105.234	Kd	354	24	1	22	101	21	0.88	97	22	0.84
85	36.438	104.511	dike			2	26	184	2	0.90	192	3	0.94
810	36.355	105.599	breccia			2	31	179	14	0.86	191	17	0.91
822	35.966	105.290	Psc	15	38	1	35	288	3	0.81	105	8	0.82
823	34.998	105.563	Pg	318	5	2	21	7	3	0.88	16	2	0.97

*Key to Lithologic abbreviations:

Tg = Tertiary Galisteo Fm.
Tdt = Tertiary Diamond Tail Fm.
Kd = Cretaceous Dakota Group
Jm = Jurassic Morrison Fm.
Traz = Triassic Aqua Zarca Fm.
Trsr = Triassic Santa Rosa Fm.
Trc = Triassic Chinle Fm.
Pg = Permian Glorieta Fm.
Psc = Permian Sangre de Cristo Fm.