

## **Datashare 47:**

# *Measuring and modeling fault density for CO<sub>2</sub> storage plume-fault encounter probability estimation*

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## **APPENDIX 1: FAULT POPULATION DATA**

The following table presents fault data from select oil and gas field structure maps in California Division of Oil, Gas and Geothermal Resources (DOGGR) (1998). Fault segment boundaries were selected at the mapped ends of faults, fault intersections, and along faults as needed to capture the throw profile. The latter were commonly selected at the location where a structure contour intersected a fault.

“Start” and “end” under “throw” refer to the apparent throw at the first end of a fault segment encountered as measurement proceeded along a fault and the last end, respectively. Consequently, where segments connect along a fault, the apparent throw at the end of one segment will be the same as the apparent throw at the start of the next segment.

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Bellevue	1	1	870	9	35	65	
Bellevue	1	2	1038	8	65	110	
Bellevue	1	3	732	6	110	165	
Bellevue	1	4	534	8	165	240	
Bellevue	1	5	656	6	240	295	
Bellevue	1	6	824	10	295	345	
Bellevue	1	7	778	8	345	380	
Bellevue	1	8	763	8	380	395	
Bellevue	1	9	763	9	395	330	
Bellevue	1	10	961	9	330	270	
Bellevue	1	11	1083	4	330	320	
Bellevue	1	12	1190	4	320	255	
Bellevue	1	13	870	0	255	165	
Bellevue	1	14	4059	179	165	125	
Bellevue	2	1	748	132	20	20	
Bellevue	2	2	2243	123	20	30	
Bellevue	2	3	626	123	30	75	
Bellevue	2	4	794	117	75	75	
Bellevue	2	5	977	114	75	60	
Bellevue	2	6	977	115	60	75	
Bellevue	2	7	687	108	75	60	
Bellevue	3	1	1862	140	10	40	
Bellevue	3	2	1877	139	40	45	
Bellevue	3	3	2960	141	45	45	
Bellevue	3	4	1801	140	45	15	
Bellevue West	1	1	2071	142			
Bellevue West	1	2	975	143			
Bellevue West	2	1	457	122	5	5	
Bellevue West	2	2	802	120	5	10	
Bellevue West	2	3	630	117	10	5	
Bellevue West	2	4	640	118	5	10	
Bellevue West	2	5	538	112	10	10	
Bellevue West	2	6	518	110	10	10	
Bellevue West	3	1	711	134	15	15	
Bellevue West	3	2	995	134	15	5	
Bellevue West	3	3	670	133	5	5	
Bellevue West	3	4	721	133	10	15	
Bellevue West	3	5	589	131	15	15	
Bellevue West	3	6	335	133	15	10	
Bellevue West	3	7	294	133	45	30	
Bellevue West	3	8	447	131	30	25	
Bellevue West	3	9	447	129	25	25	
Bellevue West	3	10	284	131	25	20	
Bellevue West	4	1	1472	70	20	15	
Bellevue West	4	2	762	68	15	10	
Bellevue West	4	3	741	70	10	15	
Bellevue West	4	4	914	68	15	10	
Bellevue West	4	5	599	67	25	20	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Bellevue West	4	6	883	67	85	65	
Bellevue West	4	7	1432	64	65	0	
Bellevue West	4	8	843	61	0	25	
Bellevue West	4	9	853	58	25	35	
Bellevue West	5	1	274	47	15	15	
Bellevue West	5	2	467	49	15	10	
Bellevue West	5	3	538	46	10	15	
Bellevue West	5	4	467	44	15	15	
Bellevue West	5	5	650	40	15	30	
Bellevue West	5	6	437	38	30	0	
Bellevue West	5	7	437	38	0	30	
Bellevue West	5	8	619	36	30		
Bellevue West	5	9	416	33			
Bellevue West	6	1	1371	141	35	60	
Bellevue West	6	2	762	143	60	75	
Bellevue West	6	3	640	141	75	15	
Bellevue West	7	1	1310	140	65	40	
Bellevue West	7	2	1706	140	40	15	
Bellevue West	7	3	213	140	30	30	
Calders Corner	1	1	3727	136			
Calders Corner	1	2	2065	134	270	205	
Calders Corner	1	3	2034	124	205	100	
Calders Corner	1	4	714	121	100	65	
Calders Corner	1	5	2423	114			
Calders Corner	2	1	3339	142			
Calders Corner	2	2	1600	142	355	365	
Calders Corner	2	3	699	142	365	365	
Calders Corner	2	4	1227	139	365	385	
Calders Corner	2	5	1072	140	385	390	
Calders Corner	2	6	901	141			
Calders Corner	3	1	1211	60	40	45	
Calders Corner	3	2	1367	56	45	45	
Calders Corner	3	3	2019	55	45	180	
Calders Corner	4	1	1103	61			
Calders Corner	4	2	2485	55			
Dyer Creek	1	1	9141	143	155	155	
Fruitvale	1	1	3400	155			
Fruitvale	1	2	680	166			
Fruitvale	1	3	3360	164	35	15	
Fruitvale	1	4	560	170	10	10	
Fruitvale	1	5	480	169	45	25	
Fruitvale	1	6	3000	168	30	40	
Fruitvale	2	1	2240	147			
Fruitvale	2	2	1360	146			
Fruitvale	3	1	1520	151	90	90	
Fruitvale	3	2	3440	145	95	85	
Fruitvale	4	1	3680	147	95	60	
Fruitvale	5	1	1240	108	55	50	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Fruitvale	5	2	3040	110	50	35	
Fruitvale	6	1	6160	143	50	35	
Fruitvale	7	1	3560	123	0	55	
Fruitvale	7	2	1960	130	40	45	
Fruitvale	7	3	1800	130	10	0	
Fruitvale	7	4	4480	132	0	5	
Fruitvale	7	5	1080	132	5	5	
Fruitvale	7	6	2960	134	20	20	
Fruitvale	7	7	1840	141	20	20	
Fruitvale	7	8	1880	155	20	20	
Fruitvale	8	1	2560	134	35	15	
Fruitvale	8	2	4280	134	30	30	
Fruitvale	8	3	5320	134	30	0	
Fruitvale	9	1	1680	164			
Fruitvale	9	2	2840	164	0	0	
Fruitvale	9	3	2520	164	0	5	
Fruitvale	9	4	2280	163	5	10	
Fruitvale	9	5	2120	162	10	0	
Fruitvale	9	6	3400	162	0	0	
Fruitvale	9	7	2840	162	0	0	
Fruitvale	10	1	4360	96	10	10	
Fruitvale	11	1	1040	76			
Fruitvale	12	1	2320	89			
Fruitvale	12	2	1760	86			
Fruitvale	12	3	480	87			
Fruitvale	12	4	960	83			
Fruitvale	13	1	3720	77			
Fruitvale	14	1	640	73	35	35	
Fruitvale	14	2	1160	73	35	40	
Fruitvale	14	3	1000	73	40	30	
Fruitvale	14	4	1240	73	30	35	
Fruitvale	14	5	880	73	35	25	
Fruitvale	15	1	920	70	35	35	
Fruitvale	15	2	1920	72	120	40	
Fruitvale	15	3	2880	71	40	5	
Fruitvale	16	1	680	70	115	115	
Fruitvale	16	2	1440	63	0	15	
Fruitvale	16	3	1360	65	50	40	
Fruitvale	16	4	1400	64	35	35	
Fruitvale	16	5	1480	64	35	25	
Fruitvale	16	6	1400	64	25	5	
Fruitvale	16	7	1160	65	5	0	
Fruitvale	17	1	3000	55			
Fruitvale	17	2	1600	56	45	50	
Fruitvale	17	3	920	53	50	55	
Fruitvale	17	4	1160	64	15	15	
Fruitvale	17	5	1600	64	35	25	
Fruitvale	17	6	800	58	25	20	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Fruitvale	17	7	1120	60	60	55	
Fruitvale	17	8	1360	60	55	30	
Fruitvale	17	9	1400	58	30	5	
Fruitvale	17	10	1040	59	40	55	
Fruitvale	18	1	3840	58	15	0	
Fruitvale	18	2	2200	60	0	20	
Fruitvale	18	3	1120	60	20	25	
Fruitvale	18	4	1200	63	25	0	
Fruitvale	18	5	1000	65	0	10	
Fruitvale	19	1	2840	54			
Fruitvale	19	2	1600	54	55	55	
Fruitvale	19	3	840	54	55	50	
Fruitvale	19	4	960	54	50	50	
Fruitvale	19	5	920	54	50	80	
Fruitvale	19	6	1120	55	45	55	
Fruitvale	19	7	1640	54	55	60	
Fruitvale	19	8	1240	53	60	50	
Fruitvale	19	9	720	55	50	40	
Fruitvale	19	10	960	53	40	0	
Fruitvale	20	1	3240	72			
Fruitvale	20	2	1280	72	135	100	
Fruitvale	20	3	1240	73	100	60	
Fruitvale	20	4	1560	72	60	15	
Fruitvale	20	5	1280	73	15	0	
Fruitvale	20	6	1000	70	0	0	
Fruitvale	21	1	920	41	0	5	
Fruitvale	21	2	1200	40	5	0	
Fruitvale	21	3	1000	39	0	0	
Fruitvale	22	1	1200	0			
Fruitvale	22	2	2080	3	35	35	
Fruitvale	22	4	1400	2	35	5	
Fruitvale	22	5	1160	3	5	0	
Fruitvale	22	6	560	3	0	0	
Fruitvale	23	1	480	38	0	45	
Fruitvale	23	2	1240	35	45	65	
Fruitvale	23	3	2560	36	65	20	
Fruitvale	23	4	2200	35			
Fruitvale	24	1	160	30	0	5	
Fruitvale	24	2	960	30	5	20	
Fruitvale	24	3	1040	30	20	35	
Fruitvale	24	4	1280	31	35	70	
Fruitvale	25	1	2480	10			
Fruitvale	25	2	1040	8	235	250	
Fruitvale	25	3	2720	0	125	110	
Fruitvale	25	4	1760	0	180	120	
Fruitvale	25	5	1280	0	120	105	
Fruitvale	25	6	2160	0	105	85	
Fruitvale	25	7	3120	0	65	10	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Fruitvale	25	8	2080	169	0	0	
Fruitvale	26	1	1440	24	125	85	
Fruitvale	26	2	1480	28	855	120	
Fruitvale	26	3	1360	27	120	165	
Fruitvale	26	4	1920	28			
Goosloo	1	1	6065	140			
Goosloo	1	2	1542	136	145	105	
Goosloo	1	3	1897	137	105	135	
Goosloo	1	4	1042	136	135	150	
Goosloo	1	5	1230	134	50	90	
Goosloo	1	6	1938	133	90	140	
Goosloo	1	7	2147	137	140	175	
Goosloo	1	8	1167	141			
Goosloo	1	9	2960	164			
Goosloo	2	1	1459	129			
Goosloo	2	2	1396	127			
Goosloo	2	3	1897	125	40	20	
Goosloo	2	4	2605	125	60	30	
Goosloo	2	5	2814	128	0	15	
Goosloo	2	6	1605	131	25	20	
Goosloo	2	7	1459	135			
Goosloo	3	1	2647	25	40	100	
Greeley	1	1	4284	146			Right lateral
Greeley	1	2	1419	148	80	130	Right lateral
Greeley	1	3	928	144	130	90	Right lateral
Greeley	1	4	682	145	90	70	Right lateral
Greeley	1	5	2756	144	70	50	Right lateral
Greeley	1	6	1555	143	50	40	Right lateral
Greeley	1	7	3465	143	40	100	Right lateral
Greeley	1	8	12061	143			Right lateral
Greeley	2	1	3274	24			
Greeley	2	2	2565	14			
Greeley	2	3	2838	3			
Jasmin West	1	1	1200	162			
Jasmin West	1	2	1706	162	75	80	
Jasmin West	1	3	1020	162	80	70	
Jasmin West	1	4	1191	162	70	65	
Jasmin West	1	5	1309	162	65	70	
Jasmin West	1	6	614	162			
Kern Front	1	1	4718	133			
Kern Front	1	2	1377	141			
Kern Front	1	3	1722	153			
Kern Front	1	4	3030	164			
Kern Front	1	5	3857	176			
Kern Front	1	6	5751	1			
Kern Front	1	7	2720	14	95	70	
Kern Front	1	8	1240	29	70	50	
Kern Front	1	9	1240	28	50	20	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Kern Front	1	10	1894	39	20	0	
Kern Front	2	1	895	32	0	10	
Kern Front	2	2	1377	37	10	20	
Kern Front	2	3	2101	43	20	30	
Kern Front	3	1	2824	3			
Kern Front	3	2	2789	179	40	10	
Kern Front	3	3	2204	172	10	30	
Kern Front	3	4	1791	159	30	0	
Kern Front	4	1	826	59	0	25	
Kern Front	4	2	689	60	25	0	
Kern Front	5	1	2169	31			
Kern Front	5	2	1653	28	30	0	
Kern Front	5	3	2307	20	0	30	
Kern Front	5	4	1377	34	30	40	
Kern Front	5	5	1722	27	40	20	
Kern Front	5	6	895	19	20	0	
Kern Front	6	1	2479	43			
Kern Front	6	2	1756	52	85	120	
Kern Front	6	3	1102	36	120	120	
Kern Front	6	4	1756	26	120	70	
Kern Front	6	5	2893	28	70	20	
Kern Front	6	6	1963	48	20	0	
Kern Front	7	1	1997	50	0	5	
Kern Front	7	2	1515	42	5	5	
Kern Front	7	3	1653	43	5	5	
Kern Front	7	4	1240	51	5	0	
Kern Front	8	1	2238	29			
Kern Front	8	2	4201	20			
Kern Front	8	3	2169	8			
Kern Front	8	4	2101	176			
Kern Front	8	5	1756	165			
Kern Front	8	6	2101	157			
Kern River	1	1	3174	170			
Kern River	1	2	2527	175			
Kern River	1	3	2106	89			
Kern River	1	4	1684	7			
Kern River	1	5	1846	20			
Kern River	2	1	1749	138			
Kern River	2	2	2462	144			
Kern River	3	1	1846	136			
Kern River	3	2	2106	137			
Kern River	4	1	3401	70	100	85	
Kern River	4	2	4470	74			
Kern River	5	1	2235	104			China fault zone
Kern River	5	2	3920	100			China fault zone
Kern River	5	3	1814	97			China fault zone
Kern River	5	4	2494	91	60	100	China fault zone
Kern River	5	5	2786	94	100	135	China fault zone

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Kern River	5	6	2073	95	135	160	China fault zone
Kern River	5	7	2235	99	60	40	China fault zone
Kern River	5	8	2235	103			China fault zone
McClung	1	1	2335	69			
McClung	2	1	719	140	40	15	
McClung	2	2	609	140	15	60	
McClung	2	3	770	140	60	70	
McClung	2	4	1117	141	70	5	
McClung	2	5	1312	140	15	20	
McClung	2	6	1532	141	20	20	
McClung	2	7	1591	140	20	20	
McClung	3	1	1100	141	80	45	
McClung	3	2	1650	140	45	65	
McClung	3	3	85	140	80	80	
McClung	3	4	618	141	45	25	
McClung	3	5	643	140	25	15	
McClung	3	6	1159	140	15	15	
McClung	3	7	1134	139	15	15	
McClung	3	8	1345	140	15	30	
McClung	4	1	626	59	10	45	
McClung	5	1	762	47	15	10	
McClung	5	2	542	45	10	15	
McClung	5	3	1168	43	15	20	
McClung	5	4	440	40			
Mount Poso	1	1	2459	144	130	130	
Mount Poso	1	2	2317	147	130	130	
Mount Poso	1	3	2128	149	80	75	
Mount Poso	1	4	2932	150	75	65	
Mount Poso	2	1	2317	97	20	20	
Mount Poso	2	2	1560	106	20	10	
Mount Poso	2	3	1702	115	10	5	
Mount Poso	2	4	1749	124	5	25	
Mount Poso	2	5	1277	127	25	30	
Mount Poso	2	6	1324	132	30	40	
Mount Poso	3	1	2033	141	80	80	
Mount Poso	3	2	1277	144	80	75	
Mount Poso	3	3	2459	145	65	75	
Mount Poso	3	4	1608	145	125	100	
Mount Poso	3	5	4303	146	125	140	
Mount Poso	3	6	2080	162	220	205	
Mount Poso	3	7	567	167	240	240	
Mount Poso	3	8	662	168	250	250	
Mount Poso	3	9	993	4	265	230	
Mount Poso	3	10	2411	166	230	170	
Mount Poso	3	11	1135	152	170	140	
Mount Poso	3	12	2695	118	220	240	
Mount Poso	3	13	993	164	410	410	
Mount Poso	3	14	993	175	410	405	



Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Mount Poso	3	15	3121	156	405	400	
Mount Poso	3	16	1749	143	400	405	
Mount Poso	3	17	1371	156	405	405	
Mount Poso	3	18	1135	168	405	410	
Mount Poso	3	19	1513	175	410	415	
Mount Poso	3	20	615	160	415	415	
Mount Poso	3	21	1040	135	120	110	
Mount Poso	3	22	662	131	110	105	
Mount Poso	3	23	3073	147	85	75	
Mount Poso	3	24	1939	148	75	80	
Mount Poso	3	25	5012	141	80	95	
Mount Poso	3	26	1749	139	95	95	
Mount Poso	3	27	2080	136	50	65	
Mount Poso	3	28	804	126	65	70	
Mount Poso	4	1	2553	126	55	55	
Mount Poso	4	2	1844	127	55	45	
Mount Poso	4	3	2742	127	15	75	
Mount Poso	4	4	1324	130	75	65	
Mount Poso	4	5	1608	133	55	35	
Mount Poso	4	6	1844	153	35	20	
Mount Poso	4	7	1040	134	20	10	
Mount Poso	4	8	1939	133	10	10	
Mount Poso	4	9	1277	129	20	5	
Mount Poso	4	10	2175	130	5	0	
Mount Poso	5	1	4208	179	60	60	
Mount Poso	6	1	2695	136	105	95	
Mount Poso	6	2	3499	136	120	105	
Mount Poso	7	1	1324	175	10	10	
Mount Poso	7	2	2222	179	195	215	
Mount Poso	8	1	1844	117	50	50	
Mount Poso	8	2	1371	110	50	40	
Mount Poso	8	3	1040	111	40	25	
Mount Poso	8	4	1182	119	25	5	
Mount Poso	8	5	1088	129	85	20	
Mount Poso	8	6	1797	144	20	20	
Mount Poso	8	7	1371	104	20	30	
Mount Poso	9	1	3357	157	90	40	
Mount Poso	9	2	473	154	50	50	
Mount Poso	9	3	1135	160	15	15	
Mount Poso	9	4	473	158	30	30	
Mount Poso	10	1	4114	0	45	70	
Mount Poso	10	2	1749	0	100	80	
Mount Poso	11	1	2837	117	70	100	
Mount Poso	12	1	1939	114	140	135	
Mount Poso	12	2	1466	114	50	65	
Mount Poso	12	3	1702	116	65	70	
Mount Poso	12	4	1891	116	70	80	
Mount Poso	13	1	615	163	15	20	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Mount Poso	13	2	1844	157	90	115	
Mount Poso	13	3	662	147	115	125	
Mount Poso	13	4	993	130	125	150	
Mount Poso	13	5	615	136	150	160	
Mount Poso	13	6	804	153	160	170	
Mount Poso	14	1	1277	108	70	90	
Mount Poso	14	2	1608	122	90	95	
Mount Poso	14	3	1088	131	95	95	
Mount Poso	14	4	1560	145	95	90	
Mount Poso	14	5	1324	155	90	100	
Mount Poso	14	6	1466	162	100	110	
Mount Poso	14	7	3877	168	110	140	
Mount Poso	14	8	1797	163	140	155	
Mount Poso	14	9	1277	157	155	165	
Mount Poso	14	10	3263	155	165	150	
Mount Poso	14	11	851	152	150	145	
Mount Poso	14	12	1891	141	145	130	
Mount Poso	14	13	2932	135	130	170	
Mount Poso	14	14	2884	140	170	165	
Mount Poso	14	15	1182	146	165	165	
Mount Poso	14	16	2175	148	165	140	
Mount Poso	14	17	3594	155	140	105	
Mount Poso	14	18	898	156	35	30	
Mount Poso	14	19	2459	158	40	45	
Mount Poso	14	20	3546	162	45	55	
Mount Poso	15	1	1277	113	130	100	
Mount Poso	15	2	1891	120	100	85	
Mount Poso	15	3	2128	126	85	95	
Mount Poso	16	1	2742	157	50	55	
Mount Poso	16	2	993	147	40	20	
Mount Poso	16	3	2270	144	175	150	
Mount Poso	16	4	4114	145	125	85	
Mount Poso	16	5	3263	146	85	75	
Mount Poso	16	6	2175	148	75	65	
Mount Poso	16	7	4870	152	65	110	
Mount Poso	16	8	5059	151	110	130	
Mount Poso	16	9	4587	152	130	150	
Mount Poso	16	10	4681	152	150	175	
Mount Poso	16	11	1702	153			
Mount Poso	16	12	2506	158			
Mount Poso	17	1	1939	117	155	130	
Mount Poso	17	2	1608	133	130	70	
Mount Poso	17	3	3215	147	70	50	
Mount Poso	17	4	2080	136	50	65	
Mount Poso	17	5	2175	131	65	120	
Mount Poso	17	6	946	131	120	130	
Mount Poso	18	1	2884	145	0	10	
Mount Poso	18	2	2932	145	10	0	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Mount Poso	18	3	804	150	0	15	
Mount Poso	18	4	1891	154	15	45	
Mount Poso	18	5	1088	146	45	65	
Mount Poso	18	6	946	138	65	90	
Mount Poso	18	7	1324	135	90	120	
Mount Poso	18	8	1419	142	120	130	
Mount Poso	18	9	1419	148	0	0	
Mount Poso	19	1	615	0	55	50	
Mount Poso	19	2	1277	0	50	40	
Mount Poso	20	1	4303	148	0	35	
Mount Poso	20	2	2222	152	35	40	
Mount Poso	20	3	1419	140	40	40	
Mount Poso	20	4	1371	133	40	55	
Mount Poso	20	5	2033	124	55	65	
Mount Poso	20	6	2222	129	65	60	
Mount Poso	20	7	1513	142	30	30	
Mount Poso	20	8	1891	152	30	50	
Mount Poso	20	9	2411	157	255	240	
Mount Poso	20	10	6478	164	240	170	
Mount Poso	20	11	4634	163	115	115	
Mount Poso	21	1	378	98	35	35	
Mount Poso	21	2	2601	99	95	100	
Mount Poso	21	3	615	102	75	80	
Mount Poso	21	4	2506	110	130	90	
Mount Poso	21	5	1513	119	90	80	
Mount Poso	21	6	1229	129	120	65	
Mount Poso	21	7	3026	131	65	105	
Mount Poso	21	8	3121	138	105	105	
Mount Poso	21	9	3688	145	105	95	
Mount Poso	21	10	3641	144	95	90	
Mount Poso	21a	1	1229	123	0	15	
Mount Poso	21a	2	2411	128	15	50	
Mount Poso	21a	3	2459	134	50	45	
Mount Poso	21a	4	2080	139	45	30	
Mount Poso	22	1	1182	104	10	10	
Mount Poso	22	2	1324	110	10	10	
Mount Poso	22	3	1466	120	45	25	
Mount Poso	22	4	1655	120	25	15	
Mount Poso	22	5	1891	129	15	15	
Mount Poso	22	6	1797	135	15	30	
Mount Poso	22	7	2222	140	230	220	
Mount Poso	22	8	662	145	220	190	
Mount Poso	22	9	3641	142	190	185	
Mount Poso	22	10	3404	141	185	190	
Mount Poso	22	11	3073	140	345	350	
Mount Poso	22	12	3925	138	350	350	
Mount Poso	23	1	898	172	70	70	
Mount Poso	23	2	662	163	70	70	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Mount Poso	23	3	47	151	200	200	
Mount Poso	23	4	1419	148	300	300	
Mount Poso	23	5	1513	142	300	300	
Mount Poso	23	6	2411	139	300	295	
Mount Poso	23	7	4066	139	405	430	
Mount Poso	23	8	3073	139	430	430	
Mount Poso	24	1	1608	165	105	110	
Mount Poso	24	2	5390	168	110	120	
Mount Poso	24	3	1513	155	120	120	
Mount Poso	24	4	1844	147	120	125	
Mount Poso	24	5	1749	143	125	110	
Mount Poso	24	6	1229	152	110	105	
Mount Poso	24	7	1797	159	105	90	
Mount Poso	24	8	1371	160	90	70	
Mount Poso	24	9	1182	149	70	50	
Mount Poso	24	10	946	141	50	35	
Mount Poso	24	11	757	128	35	25	
Mount Poso	24	12	1229	116	80	55	
Mount Poso	24	13	1277	110	55	25	
Mount Poso	24	14	1844	115	25	30	
Mount Poso	24	15	1513	130	30	30	
Mount Poso	24	16	1371	139	30	35	
Mount Poso	24	17	1749	154	35	35	
Mount Poso	24	18	1466	163	5	5	
Mount Poso	24	19	1608	170	5	0	
Mount Poso	24	20	2648	1	0	0	
Mount Poso	25	1	1277	133	0	45	
Mount Poso	25	2	898	133	45	45	
Mount Poso	25	3	567	133	45	25	
Mount Poso	25	4	1560	133	25	0	
Mount Poso	26	1	520	172	25	25	
Mount Poso	26	2	1182	163	25	20	
Mount Poso	26	3	1088	156	20	15	
Mount Poso	26	4	1229	151	15	20	
Mount Poso	26	5	1277	148	20	20	
Mount Poso	26	6	2601	145	20	0	
Mount Poso	27	1	1513	128	235	255	
Mount Poso	27	2	993	131	255	240	
Mount Poso	28	1	3215	164	155	140	
Mount Poso	28	2	2884	167	140	130	
Mount Poso	29	1	2979	1	295	285	
Mount Poso	29	2	2553	0	285	230	
Mount Poso	29	3	2742	179	290	170	
Mount Poso	29	4	2411	177	255	235	
Mount Poso	29	5	3546	173	245	230	
Mount Poso	29	6	2175	168	230	175	
Mount Poso	30	1	378	120	45	45	
Mount Poso	30	2	1040	126	45	30	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Mount Poso	30	3	993	131	30	20	
Mount Poso	30	4	804	139	20	20	
Mount Poso	30	5	1040	148	20	15	
Mount Poso	30	6	993	160	70	90	
Mount Poso	31	1	615	141	55	55	
Mount Poso	31	2	2033	145	55	60	
Mount Poso	31	3	1702	151	60	60	
Mount Poso	31	4	1182	158	60	75	
Mount Poso	31	5	1040	168	75	85	
Mount Poso	32	1	1371	1	55	85	
Mount Poso	32	2	567	165	85	90	
Mount Poso	32	3	2411	158	90	125	
Mount Poso	32	4	1371	163	125	140	
Mount Poso	32	5	1560	166	95	110	
Mount Poso	32	6	1702	173	110	125	
Mount Poso	33	1	2175	14	110	105	
Mount Poso	33	2	1608	15	105	105	
Mount Poso	33a	1	3452	157	115	115	
Mount Poso	33a	2	2506	154	115	110	
Mount Poso	34	1	1749	177	45	30	
Mount Poso	34	2	1749	174	30	15	
Mount Poso	34	3	1419	172	15	5	
Mount Poso	34	4	1655	170	105	75	
Mount Poso	35	1	189	59	50	50	
Mount Poso	35	2	1419	59	90	90	
Mount Poso	35	3	1324	58	90	85	
Mount Poso	35	4	1054	58	85	75	
Mount Poso	35	5	236	58	65	60	
Mount Poso	35	6	426	58	20	25	
Mount Poso	36	1	1466	79	30	0	
Mount Poso	36	2	1891	79	105	185	
Mount Poso	37	1	851	60	0	20	
Mount Poso	37	2	1371	57	20	25	
Mount Poso	37	3	1324	60	25	15	
Mount Poso	37	4	1513	61	15	15	
Mount Poso	38	1	1797	43	75	70	
Mount Poso	38	2	804	42	70	50	
Mount Poso	38	3	2080	43	50	50	
Mount Poso	39	1	1040	119			
Mount Poso	40	1	757	117			
Mount Poso	41	1	2317	5	0	0	
Mount Poso	42	1	757	95	80	85	
Mount Poso	42	2	2080	99	85	90	
Mount Poso	43	1	2317	61	65	65	
Mount Poso	44	1	520	97	0	5	
Mount Poso	44	2	2317	97	5	5	
Mount Poso	45	1	851	90	90	90	
Mount Poso	45	2	1277	90	90	85	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Mount Poso	45	3	1939	91	85	100	
Mount Poso	45	4	1135	90	50	50	
Mount Poso	45	5	1324	86	50	65	
Mount Poso	45	6	851	77	65	20	
Mount Poso	45	7	1135	68	85	110	
Mount Poso	46	1	1608	76	15	40	
Mount Poso	46	2	473	74	40	35	
Mount Poso	46	3	3499	75	25	30	
Mount Poso	46	4	236	75	25	25	
Mount Poso	46	5	662	75	15	15	
Mount Poso	46	6	3404	75	25	25	
Mount Poso	47	1	1466	82	105	105	
Mount Poso	47	2	1844	80	175	195	
Mount Poso	47	3	2790	79	55	15	
Mount Poso	47	4	1844	78	15	5	
Mount Poso	47	5	804	76	20	30	
Mount Poso	48	1	1371	55	100	120	
Mount Poso	48	2	1466	58	65	60	
Mount Poso	48	3	1608	57	60	15	
Mount Poso	49	1	1182	54	0	20	
Mount Poso	49	2	709	54	20	0	
Mount Poso	50	1	2317	23	260	270	
Mount Poso	51	1	6147	98	100	100	
Mount Poso	52	1	1797	50	110	115	
Mount Poso	52	2	2601	51	115	115	
Mount Poso	53	1	520	60	0	25	
Mount Poso	53	2	1182	64	210	205	
Mount Poso	54	1	1088	60	110	120	
Mount Poso	54	2	2364	60	120	100	
Mount Poso	55	1	2459	35	85	120	
Mount Poso	55	2	2790	34	120	110	
Mount Poso	56	1	1466	64	55	55	
Mount Poso	57	1	2742	81	70	75	
Mount Poso	57	2	1797	84			
Mount Poso	58	1	1655	37	45	45	
Mount Poso	58	2	1844	44	45	45	
Mount Poso	58	3	1797	48	45	45	
Mount Poso	59	1	2648	71	660	660	
Mount Poso	59	2	2459	75	570	585	
Mount Poso	59	3	1655	78	630	625	
Mount Poso	59	4	1560	79	625	620	
Mount Poso	59	5	1135	84	620	615	
Mount Poso	59	6	1513	84	730	745	
Mount Poso	59	7	1891	88	745	765	
Mount Poso	59	8	2128	89	465	780	
Mount Poso	59	9	473	87	640	615	
Mount Poso	59	10	1182	86	455	470	
Mount Poso	59	11	1419	83	295	300	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Mount Poso	59	12	804	81	410	410	
Mount Poso	59	13	804	84	300	295	
Mount Poso	59	14	757	92	295	290	
Mount Poso	59	15	1371	99	290	295	
Mount Poso	59	16	1371	106	400	385	
Mount Poso	59	17	1844	114	385	365	
Mount Poso	59	18	1939	120	290	295	
Mount Poso	59	19	2222	121	295	300	
Mount Poso	60	1	1182	153	40	65	
Mount Poso	60	2	2175	162	175	160	
Mount Poso	61	1	1229	85	105	105	
Mount Poso	61	2	1466	75	105	100	
Mount Poso	62	1	1324	51	265	270	
Mount Poso	62	2	1277	55	270	275	
Mount Poso	62	3	1229	62	275	280	
Mount Poso	62	4	1324	71	280	300	
Mount Poso	63	1	1135	44	235	230	
Mount Poso	63	2	1324	44	230	220	
Mount Poso	63	3	1513	53	180	180	
Mount Poso	64	1	851	21	90	90	
Mount Poso	64	2	851	30	95	95	
Mount Poso	64	3	757	34	100	100	
Mount Poso	64	4	757	41	105	105	
Mount Poso	64	5	946	54	110	110	
Poso Creek	1	1	1068	118			
Poso Creek	1	2	1437	123			
Poso Creek	1	3	2358	129			
Poso Creek	1	4	847	125			
Poso Creek	1	5	2431	120	245	295	
Poso Creek	1	6	2247	123	295	330	
Poso Creek	1	7	1289	127	140	160	
Poso Creek	1	8	1768	127	160	225	
Poso Creek	1	9	1031	129	265	315	
Poso Creek	1	10	3684	126			
Poso Creek	2	1	1584	122			
Poso Creek	3	1	553	128			
Poso Creek	3	2	1510	133			
Poso Creek	3	3	921	122			
Poso Creek	4	1	1437	168	15	0	
Poso Creek	4	2	442	167	0	5	
Poso Creek	4	3	1289	164	5	25	
Poso Creek	4	4	1068	167			
Poso Creek	4	5	5489	160	20	15	
Poso Creek	4	6	626	169	15	15	
Poso Creek	4	7	553	173	15	10	
Poso Creek	4	8	663	178	10	5	
Poso Creek	4	9	921	5	5	0	
Poso Creek	5	1	1105	157	10	20	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Poso Creek	5	2	1695	155	20	0	
Poso Creek	5	3	1879	152	20	50	
Poso Creek	5	4	1510	147	50	60	
Poso Creek	5	5	1510	140	60	70	
Poso Creek	6	1	1695	177	260	230	
Poso Creek	6	2	2173	1	230	190	
Poso Creek	6	3	1584	5	190	165	
Poso Creek	6	4	1805	4	165	120	
Poso Creek	6	5	1252	178	120	85	
Poso Creek	6	6	1695	174	85	25	
Poso Creek	6	7	921	169	25	65	
Poso Creek	6	8	1363	166	65	50	
Poso Creek	6	9	1031	157	50	35	
Poso Creek	6	10	1326	149	35	20	
Poso Creek	6	11	553	160	20	15	
Poso Creek	6	12	295	169	15	20	
Poso Creek	6	13	1252	7	20	30	
Poso Creek	6	14	1068	6	30	0	
Poso Creek	6	15	1437	3	0	15	
Poso Creek	6	16	810	0	15	50	
Poso Creek	6	17	995	175	50	85	
Poso Creek	6	18	810	169	85	90	
Poso Creek	6	19	1547	163	90	105	
Poso Creek	6	20	1658	155	105	120	
Poso Creek	7	1	1473	175	40	30	
Poso Creek	7	2	1216	178	30	15	
Poso Creek	7	3	516	0	15	5	
Poso Creek	7	4	2284	0	5	95	
Poso Creek	7	5	4568	179	95	130	
Poso Creek	7	6	2836	175	130	120	
Poso Creek	7	7	2100	178	120	115	
Poso Creek	7	8	2284	0	115	65	
Poso Creek	7	9	958	0	65	70	
Poso Creek	7	10	1879	2	70	40	
Poso Creek	7	11	1289	2	40	30	
Poso Creek	7	12	1142	0	30	20	
Poso Creek	7	13	2726	0	140	140	
Poso Creek	7	14	2947	178	140	140	
Poso Creek	7	15	884	178			
Poso Creek	8	1	2394	175			
Poso Creek	8	2	2652	177			
Poso Creek	8	3	2100	178			
Poso Creek	8	4	1805	179	20	15	
Poso Creek	8	5	2984	1	15	0	
Poso Creek	9	1	1473	160			
Poso Creek	9	2	2468	165			
Poso Creek	9	3	1216	166			
Poso Creek	9	4	1252	169			



Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Poso Creek	9	5	1547	172			
Poso Creek	9	6	1621	175			
Poso Creek	10	1	553	85	0	10	
Poso Creek	10	2	995	85	10	10	
Poso Creek	11	1	332	112	0	10	
Poso Creek	11	2	368	112	10	10	
Poso Creek	11	3	553	112	10	0	
Poso Creek: McVan	1	1	631	118			
Poso Creek: McVan	1	2	501	125			
Poso Creek: McVan	1	3	305	132			
Poso Creek: McVan	2	1	2885	146			
Poso Creek: McVan	3	1	4268	33			
Poso Creek: McVan	4	1	446	123			
Poso Creek: McVan	5	1	4072	31			
Poso Creek: McVan	6	1	631	122			
Poso Creek: McVan	6	2	664	131			
Poso Creek: McVan	6	3	1165	141			
Poso Creek: McVan	6	4	457	147			
Poso Creek: McVan	6	5	697	154			
Poso Creek: McVan	6	6	871	161			
Poso Creek: McVan	6	7	849	163			
Poso Creek: McVan	6	8	1100	166			
Poso Creek: McVan	6	9	1285	168			
Poso Creek: McVan	7	1	980	148	70	65	
Poso Creek: McVan	7	2	588	153	65	60	
Poso Creek: McVan	7	3	490	162	60	55	
Poso Creek: McVan	7	4	1176	174	55	50	
Poso Creek: McVan	7	5	762	175	50	100	
Poso Creek: McVan	7	6	1132	177	100	85	
Poso Creek: McVan	7	7	980	178			
Poso Creek: McVan	8	1	523	130			
Poso Creek: McVan	8	2	631	139			
Poso Creek: McVan	8	3	403	145			
Poso Creek: McVan	8	4	1012	148			
Poso Creek: McVan	8	5	708	155			
Poso Creek: McVan	9	1	599	165			
Poso Creek: McVan	9	2	1644	169			
Rio Bravo	1	1	386	6			
Rio Bravo	1	2	134	6	10	5	
Rio Bravo	1	3	252	6	5	0	
Rio Bravo	1	4	185	6	0	0	
Rio Bravo	1	5	168	6	0	5	
Rio Bravo	1	6	117	6	5	0	
Rio Bravo	1	7	117	6	0	5	
Rio Bravo	1	8	654	6	5	25	
Rio Bravo	1	9	302	4	25	10	
Rio Bravo	1	10	839	4	10	5	
Rio Bravo	1	11	1426	3	5	5	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Rio Bravo	1	12	755	2	5	0	
Rio Bravo	2	1	587	3			
Rio Bravo	2	2	252	3	70	115	
Rio Bravo	2	3	235	3	115	135	
Rio Bravo	2	4	218	3	135	135	
Rio Bravo	2	5	235	3	135	145	
Rio Bravo	2	6	268	3	145	135	
Rio Bravo	2	7	336	3	135	150	
Rio Bravo	2	8	319	3	150	150	
Rio Bravo	2	9	436	3	150	140	
Rio Bravo	2	10	520	3	140	90	
Rio Bravo	2	11	872	3	90	70	
Rio Bravo	2	12	621	0	70	40	
Rio Bravo	2	13	302	0	40	25	
Rio Bravo	2	14	721	0	25	20	
Rio Bravo	2	15	755	0	20	15	
Rio Bravo	2	16	788	0	15	0	
Rio Bravo	3	1	1527	146			
Rio Bravo	3	2	1241	148			
Rio Bravo	3	3	1409	151			
Rio Bravo	3	4	1963	152			
Rosedale	1	1	1201	2			
Rosedale	1	2	1327	3	90	60	
Rosedale	1	3	1255	2	60	40	
Rosedale	1	4	1381	3	40	50	
Rosedale	1	5	1829	2			
Rosedale	2	1	2349	166			Rosedale
Rosedale	2	2	717	169			Rosedale
Rosedale	2	3	251	172			Rosedale
Rosedale	2	4	1685	178	70	100	Rosedale
Rosedale	2	5	1112	178	100	60	Rosedale
Rosedale	2	6	1506	179	60	100	Rosedale
Rosedale	2	7	484	2	100	85	Rosedale
Rosedale	2	8	520	9	85	70	Rosedale
Rosedale	2	9	520	7	215	140	Rosedale
Rosedale	2	10	377	2	140	90	Rosedale
Rosedale	2	11	412	175	90	30	Rosedale
Rosedale	2	12	914	176			Rosedale
Rosedale	2	13	753	179			Rosedale
Rosedale	3	1	484	2			Bellevue
Rosedale	3	2	663	7			Bellevue
Rosedale	3	3	2994	13			Bellevue
Rosedale	3	4	502	21			Bellevue
Rosedale	3	5	556	30			Bellevue
Rosedale	3	6	269	28			Bellevue
Rosedale	3	7	520	23			Bellevue
Rosedale	3	8	1667	2			Bellevue
Rosedale	3	9	466	178			Bellevue

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Rosedale	3	10	645	171			Bellevue
Rosedale	3	11	645	165			Bellevue
Rosedale	3	12	4321	170			Bellevue
Rosedale	4	1	233	47	40	35	
Rosedale	4	2	610	47	35	25	
Rosedale	4	3	1649	47	25	10	
Rosedale	4	4	412	47	10	0	
Rosedale	5	1	2080	141	140	95	
Rosedale Ranch	1	1	396	158	30	35	
Rosedale Ranch	1	2	960	160	35	45	
Rosedale Ranch	1	3	1200	164	45	55	
Rosedale Ranch	1	4	2424	167	55	50	
Rosedale Ranch	2	1	768	1	30	30	
Rosedale Ranch	2	2	1044	5	30	30	
Rosedale Ranch	2	3	1116	9	30	30	
Rosedale Ranch	2	4	336	9	30	30	
Rosedale Ranch	2	5	636	14	25	25	
Rosedale Ranch	2	6	444	18	25	25	
Rosedale Ranch	2	7	2256	19	25	5	
Rosedale Ranch	2	8	828	20	5	0	
Rosedale Ranch	3	1	2988	164			
Rosedale Ranch	3	2	540	165			
Rosedale Ranch	3	3	444	170			
Rosedale Ranch	3	4	444	174			
Rosedale Ranch	3	5	1032	1			
Rosedale Ranch	3	6	960	4			
Rosedale Ranch	3	7	1260	5			
Rosedale Ranch	4	1	864	163			
Rosedale Ranch	4	2	720	159			
Rosedale Ranch	4	3	636	157			
Rosedale Ranch	4	4	528	159			
Rosedale Ranch	4	5	624	165			
Rosedale Ranch	4	6	720	176			
Rosedale Ranch	4	7	660	174			
Rosedale Ranch	4	8	720	177			
Rosedale Ranch	4	9	768	0			
Rosedale Ranch	4	10	744	2			
Rosedale Ranch	4	11	1092	4			
Rosedale Ranch	5	1	2280	167	40	25	
Rosedale Ranch	5	2	648	166	25	15	
Rosedale Ranch	5	3	420	169	15	5	
Rosedale Ranch	5	4	696	176	5	10	
Rosedale Ranch	5	5	708	1	10	10	
Rosedale Ranch	5	6	720	5	10	10	
Rosedale Ranch	5	7	984	7	10	10	
Rosedale Ranch	5	8	732	9	10	10	
Rosedale Ranch	5	9	924	14	10	10	
Rosedale Ranch	6	1	684	179			

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Rosedale Ranch	6	2	852	2			
Rosedale Ranch	6	3	708	1			
Rosedale Ranch	6	4	588	179			
Rosedale Ranch	6	5	684	177			
Rosedale Ranch	6	6	708	171			
Rosedale Ranch	6	7	720	167			
Rosedale Ranch	6	8	612	163			
Rosedale Ranch	6	9	660	158			
Rosedale Ranch	7	1	1008	39	0	20	
Rosedale Ranch	7	2	720	41	30	10	
Rosedale Ranch	7	3	204	41	10	0	
Rosedale Ranch	7	4	216	41	0	5	
Seventh Standard	1	1	614	169	330	330	
Seventh Standard	1	2	444	175	330	330	
Seventh Standard	1	3	2476	0	330	335	
Seventh Standard	1	4	936	2	335	335	
Seventh Standard	1	5	1909	0	335	335	
Shafter	1	1	1178	143	20	20	
Shafter	1	2	1217	146	20	0	
Shafter	1	3	2552	147	0	30	
Shafter	1	4	2100	152	30	60	
Shafter	1	5	2100	156	60	90	
Shafter	1	6	2983	160	90	90	
Shafter	1	7	2316	163	90	90	
Shafter	1	8	2611	165	90	90	
Shafter Southeast Gas	1	1	6046	148			
Shafter Southeast Gas	1	2	3015	148	11	3	
Shafter Southeast Gas	1	3	3553	147	20	20	
Shafter Southeast Gas	1	4	2119	147			
Shafter Southeast Gas	2	1	5476	17	20	20	
Shafter Southeast Gas	2	2	2004	16	20	17	
Strand	1	1	3710	55			
Strand	1	2	3869	54			
Strand	1	3	4825	52			
Strand	1	4	1775	51			
Strand	2	1	1206	62	0	10	
Strand	2	2	1525	62	10	10	
Strand	2	3	956	60	10	0	
Strand	2	4	341	59	0	5	
Strand	2	5	137	59	5	0	
Strand	2	6	569	59	0	20	
Strand	2	7	1320	59	20	25	
Strand	2	8	523	59	25	25	
Strand	3	1	2390	169	90	60	
Strand	3	2	2390	169	15	20	
Strand	3	3	660	169	20	0	
Strand	3	4	273	169	0	5	
Strand	3	5	432	165	40	60	

Field	Fault Number	Segment	Length (ft)	Strike (°Clockwise from North)	Throw at the Start of Segment (ft)	Throw at the End of Segment (ft)	Note
Strand	3	6	387	165	60	35	
Strand	3	7	387	165	35	20	
Strand	3	8	660	165	20	0	
Strand	3	9	614	165	0	5	
Strand	3	10	1593	165	5	10	
Strand	3	11	910	165	10	15	
Strand	3	12	2208	165	15	20	
Strand	3	13	1616	165	20	20	
Strand	4	1	728	58	50	70	
Strand	4	2	637	58	70	50	
Strand	4	3	1024	58	50	10	
Strand	5	1	6236	152			
Strand	5	2	1206	152	5	30	
Strand	5	3	3209	152	30	10	
Strand	5	4	1730	153	10	15	
Strand	5	5	2185	153	15	5	
Strand	6	1	933	69	45	20	
Strand	6	2	592	69	20	15	
Strand	6	3	387	69	15	25	
Strand	6	4	1138	69	25	40	
Strand	7	1	1001	73			
Strand	7	2	1388	68			
Strand	7	3	1457	63			
Strand	7	4	910	59			
Strand	7	5	205	59	10	0	
Strand	7	6	205	59	0	10	
Strand	7	7	546	57	10	5	
Strand	7	8	614	55	5	5	
Strand	7	9	1001	54			
Strand	7	10	933	50			
Strand	8	1	523	125	10	15	
Strand	8	2	660	125	15	55	
Strand	8	3	546	125	55	100	
Strand	8	4	592	125	100	125	
Strand	8	5	523	125	125	145	
Strand	9	1	1161	78	0	0	
Strand	9	2	774	84	0		
Strand	9	3	1297	76			
Strand	9	4	1525	71			
Strand	9	5	1752	65		10	
Strand	9	6	1183	63	10	10	
Strand	9	7	432	60	10	10	
Strand	9	8	910	59	10	35	
Strand	9	9	1115	59	35	105	