

TABLE A2. FAULT STRANDS VERTICAL DISPLACEMENT AND ALONG-STRIKE SLIP DISTRIBUTION CALCULATIONS FOR THE POUTU FAULT

Fault slip (m)	Fault	Age (ka)	X_coordinate	Y_coordinate	Distance (m)	Cumulative distance (m)	20-40 ka slip interpolation (m)	Total along-strike slip (m)
10	1a	20	1831516	5657328	0	0	15	
6	5a	20	1827842	5657424	96	96	9	
12	2a	20	1830915	5657645	221	317	18	
15	3a	20	1830588	5657851	206	523	23	
3	4a	20	1829877	5657894	43	566	5	
50	5a	200	1828402	5658057	163	729	8	
10	1a	20	1831635	5658118	61	790	15	
3	3b	20	1830391	5658138	20	810	5	
1	4a	3	1829999	5658226	88	898	10	
3	3b	20	1830288	5658239	13	911	5	111
9	2a	20	1831349	5658308	69	980	14	
5	4a	20	1830101	5658433	125	1105	8	
6	3a	20	1831237	5658498	65	1170	9	
14	1a	40.5	1831910	5658502	4	1174	10	
5	5a	20	1829419	5658575	73	1247	8	
5	4b	20	1829940	5658680	105	1352	8	
13	3b	20	1831052	5658791	111	1463	20	
5	5a	20	1829733	5658882	91	1554	8	
17	1a	20	1832252	5658926	44	1598	26	
6	4a	20	1830834	5659168	242	1840	9	117
1	1a	3	1832687	5659354	186	2026	10	
16	2b	20	1832211	5659427	73	2099	24	
10	3a	20	1831912	5659457	30	2129	15	
11	3b	20	1831462	5659533	76	2205	17	
71	6a	200	1828357	5659653	120	2325	11	
38	5a	128	1830550	5659703	50	2375	9	
12	4a	20	1831154	5659817	114	2489	18	
28	1a	60	1832959	5659818	1	2490	14	
4	2b	10	1832371	5659868	50	2540	12	
22	5a	60	1830633	5659982	114	2654	11	140
72	7a	200	1827521	5660007	25	2679	11	
29	2c	60	1832807	5660009	2	2681	15	
12	2b	60	1832454	5660154	145	2826	6	
25	1a	60	1833315	5660364	210	3036	13	
30	3b	60	1832330	5660428	64	3100	15	
12	2b	60	1832586	5660453	25	3125	6	
41	4a	97	1831505	5660523	70	3195	13	
24	2c	60	1833152	5660554	31	3226	12	
59	6a	200	1830149	5660594	40	3266	9	
27	6a	97	1830242	5660669	75	3341	8	107
3	6a	3	1830344	5660735	66	3407	30	
4	3b	60	1832526	5660774	39	3446	2	
8	3b	60	1832431	5660787	13	3459	4	
49	4a	97	1831732	5660885	98	3557	15	
8	1a	12	1833744	5661325	440	3997	20	
7	3b	12	1832899	5661383	58	4055	18	
6	4a	12	1832460	5661538	155	4210	15	
25	1a	60	1834141	5662052	514	4724	13	
25	1b	60	1834056	5662100	48	4772	13	
12	2c	15	1833640	5662144	44	4816	24	153
12	1b	15	1833989	5662196	52	4868	24	
10	2c	15	1833814	5662221	25	4893	20	
5	3b	15	1833527	5662360	139	5032	10	
5	3b	15	1833453	5662425	65	5097	10	
8	3b	15	1833245	5662537	112	5209	16	
28	4a	60	1832764	5662797	260	5469	14	
20	1b	15	1834326	5662839	42	5511	40	
25	1b	15	1834523	5663141	302	5813	50	
22	6b	15	1832619	5663150	9	5822	44	

10	2c	15	1834358	5663185	35	5857	20	248
10	6b	15	1833661	5663439	254	6111	20	
12	6c	15	1833526	5663591	152	6263	24	
38	1b	60	1834925	5663593	2	6265	19	
29	6b	60	1833997	5663634	41	6306	15	
8	6d	15	1833277	5663791	157	6463	16	
28	6c	60	1833843	5663839	48	6511	14	
60	6d	60	1833703	5664065	226	6737	30	
60	7b	110	1831413	5664074	9	6746	16	
25	7b	60	1831527	5664230	156	6902	13	
10	6e	60	1833411	5664445	215	7117	5	171
30	1b	60	1835928	5664545	100	7217	15	
28	6d	60	1834273	5664590	45	7262	14	
30	7c	60	1833461	5664743	153	7415	15	
10	7b	60	1832424	5664890	147	7562	5	
50	7b	110	1832530	5665108	218	7780	14	
22	1b	36.1	1836125	5665116	8	7788	18	
18	7b	20	1832881	5665334	218	8006	27	
15	7d	20	1834099	5665593	259	8265	23	
10	7d	60	1833964	5665616	23	8288	5	
35	7d	60	1834332	5665659	43	8331	18	153
10	7d	20	1834640	5665756	97	8428	15	
10	7b	60	1833839	5665850	94	8522	5	
25	7d	100	1835047	5666058	208	8730	8	
35	7b	60	1834448	5666154	96	8826	18	
4	8a	20	1834547	5666417	263	9089	6	
5	8b	20	1834385	5666568	151	9240	8	
6	8c	20	1834171	5666844	276	9516	9	
15	8d	20	1833855	5667028	184	9700	23	
32	8a	60	1835155	5667207	179	9879	16	
13	7b	17.7	1836044	5667273	66	9945	22	128
15	8d	100	1834741	5667460	187	10132	5	
54	8a	100	1835519	5667677	217	10349	16	
60	7c	100	1837151	5668111	434	10783	18	
50	10a	100	1835392	5668936	825	11608	15	
10	11a	100	1835033	5668943	7	11615	3	
56	9a	100	1836095	5668983	40	11655	17	
14	11a	60	1835262	5669147	164	11819	7	
5	11a	60	1835208	5669201	54	11873	3	
8	11b	60	1835119	5669327	126	11999	4	
25	11a	60	1835509	5669459	132	12131	13	100
12	7c	17.7	1838000	5669463	4	12135	20	
2	9a	17.7	1836730	5669863	400	12535	3	
8	12a	12	1835526	5669974	111	12646	20	
16	7b	17.7	1837751	5670032	58	12704	27	
4	11a	10	1836018	5670095	63	12767	12	
9	12a	17.7	1835743	5670138	43	12810	15	
10	10b	17.7	1836338	5670208	70	12880	17	
10	10a	17.7	1836916	5670336	128	13008	17	

Note : Along-strike fault slip distribution for the Waihi Fault in the Tongariro Graben, New Zealand. Colours represent different ages: blue for 0-20 ka, red for 20-40 ka, green for 40-60 ka, purple for 60-100 ka and black for >100 ka.