

TABLE A1. FAULT STRANDS VERTICAL DISPLACEMENT AND ALONG-STRIKE SLIP DISTRIBUTION CALCULATIONS FOR THE WAIHI 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)
32	2a	60	1820514	5654749	958	958	16	
10	2a	20	1820817	5655707	98	1056	15	
14	4a	20	1821884	5655805	351	1407	21	
25	6a	60	1823480	5656156	93	1500	13	
8	4a	10.6	1822235	5656249	404	1904	23	
7	4a?	20	1822369	5656653	352	2256	11	
10	5a	20	1822983	5657005	193	2449	15	
5	4a?	20	1822658	5657198	790	3239	8	
4	4a?	20	1823205	5657988	149	3388	6	
67	6a	200	1824654	5658137	200	3588	10	138
6	5a	20	1823952	5658337	698	4286	9	
10	3a	35	1822820	5659035	135	4421	10	
32	2a	70	1822070	5659170	425	4846	14	
17	3a	20	1823071	5659595	51	4897	26	
5	2a	20	1822356	5659646	211	5108	8	
0	2a	2	1822429	5659857	45	5153	10	
4	1b	20	1821913	5659902	116	5269	6	
3	1a	20	1821582	5660018	136	5405	5	
8	3a	20	1823266	5660154	181	5586	12	
55	5a	200	1824692	5660335	135	5721	8	99
22	6b	200	1825262	5660470	9	5730	3	
25	5a	60	1824751	5660479	283	6013	13	
2	6b	2	1825231	5660762	157	6170	30	
13	3a	30	1823624	5660919	335	6505	13	
2	1b	20	1822534	5661254	41	6546	3	
43	5a	200	1825204	5661295	37	6583	6	
2	1a	20	1822428	5661332	395	6978	3	
7	3a	20	1823853	5661727	74	7052	11	
10	2a	20	1823629	5661801	61	7113	15	
7	2a	20	1823474	5661862	113	7226	11	107
10	2a	20	1823246	5661975	218	7444	15	
12	2a	30	1823730	5662193	115	7559	12	
12	2a	30	1823531	5662308	196	7755	12	
10	2a	25	1823887	5662504	213	7968	12	
35	5a	190	1825306	5662717	65	8033	6	
16	3b	25	1824735	5662782	143	8176	19	
15	5a	190	1825407	5662925	67	8243	2	
20	5a	190	1825365	5662992	100	8343	3	
37	5a	190	1825429	5663092	246	8589	6	
15	3b	25	1824909	5663338	123	8712	18	105
1	3b	3	1824945	5663461	892	9604	10	
3	2a	20.7	1824752	5664353	73	9677	4	
5	3b	21.9	1825089	5664426	141	9818	7	
15	3b	21.9	1825505	5664567	29	9847	21	
12	4b	22.8	1825830	5664596	23	9870	16	
10	3b	53	1825269	5664619	49	9919	6	
13	4c	31	1826052	5664668	6	9925	13	
2	2a	3	1824943	5664674	86	10011	20	
3	3b	3	1825521	5664760	262	10273	30	
70	5a	59	1826771	5665022	30	10303	36	162
6	2a	52.6	1825261	5665052	102	10405	3	
5	4b	53	1825811	5665154	3	10408	3	
37	3b	52.6	1825499	5665157	84	10492	21	
65	5a	59	1826856	5665241	101	10593	33	
8	4c	53	1826176	5665342	92	10685	5	
40	5a	40	1826953	5665434	225	10910	30	
40	3b	52.6	1825656	5665659	144	11054	23	
16	4c	52.6	1826464	5665803	30	11084	9	
17	4b	52.6	1826125	5665833	102	11186	10	
20	4b	52.6	1826193	5665935	25	11211	11	148

44	5a	40	1827191	5665960	175	11386	33	
19	5b	25	1827004	5666135	76	11462	23	
30	3b	59	1825939	5666211	113	11575	15	
36	6b	40	1827634	5666324	143	11718	27	
16	4c	25	1826653	5666467	494	12212	19	
32	3b	59	1826136	5666961	6	12218	16	
16	4c	25	1826903	5666967	149	12367	19	
4	4	12	1828939	5667116	216	12583	10	
11	6b	12	1827804	5667332	20	12603	28	
30	3b	59	1826337	5667352	254	12857	15	205
22	1c	59	1825866	5667606	81	12938	11	
15	4	25	1829408	5667687	203	13141	18	
25	6b	12	1827959	5667890	66	13207	63	
28	7a	40	1828488	5667956	344	13551	21	
3	1c	12	1825941	5668300	31	13582	8	
5	3b	12	1826642	5668331	365	13947	13	
20	6b	12	1828231	5668696	54	14001	50	
5	7a	12	1828494	5668750	10	14011	13	
5	4d	12	1827612	5668760	481	14492	13	
6	3b	12	1826974	5669241	174	14666	15	223
2	4d	15	1827674	5669415	433	15099	4	
2	3	1	1830193	5669848	54	15153	40	
45	6b	40	1828135	5669902	484	15637	34	
6	3	12	1830392	5670386	103	15740	15	
10	7a	12	1828799	5670489	381	16121	25	
43	4d	40	1827449	5670870	5	16126	32	
8	3	12	1830779	5670875	11	16137	20	
2	2	1	1830100	5670886	11	16148	40	
30	6b	40	1828495	5670897	428	16576	23	
40	4d	40	1827430	5671325	292	16868	30	263
28	6b	40	1828631	5671617	57	16925	21	
5	2	18	1830576	5671674	202	17127	8	
4	2	12	1830907	5671876	284	17411	10	
1	3	2	1831562	5672160	9	17420	15	
45	3b	40	1827686	5672169	396	17816	34	
28	6b	40	1828906	5672565	199	18015	21	
14	3	25	1831878	5672764	578	18593	17	
7	1d	17.7	1827446	5673342	192	18785	12	
45	6b	40	1828773	5673534	67	18852	34	
15	1	25	1830813	5673601	445	19297	18	190
13	3	25	1832346	5674046	564	19861	16	
37	3b	40.5	1828725	5674610	427	20288	27	
62	3b	85	1828878	5675037	79	20367	22	
15	1d	36.1	1828537	5675116	577	20944	12	
73	1d	85	1829032	5675693	134	21078	26	
5	3b	17.7	1829359	5675827	144	21222	8	
1	1	3	1832319	5675971	178	21400	10	
61	3b	85	1829624	5676149	199	21599	22	
1	7b	3	1831756	5676348	503	22102	10	
5	1d	18	1829490	5676851	59	22161	8	162
4	1e	18	1829245	5676910	319	22480	7	
6	1e	17.7	1829275	5677229	-5677229	-5654749	10	

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.