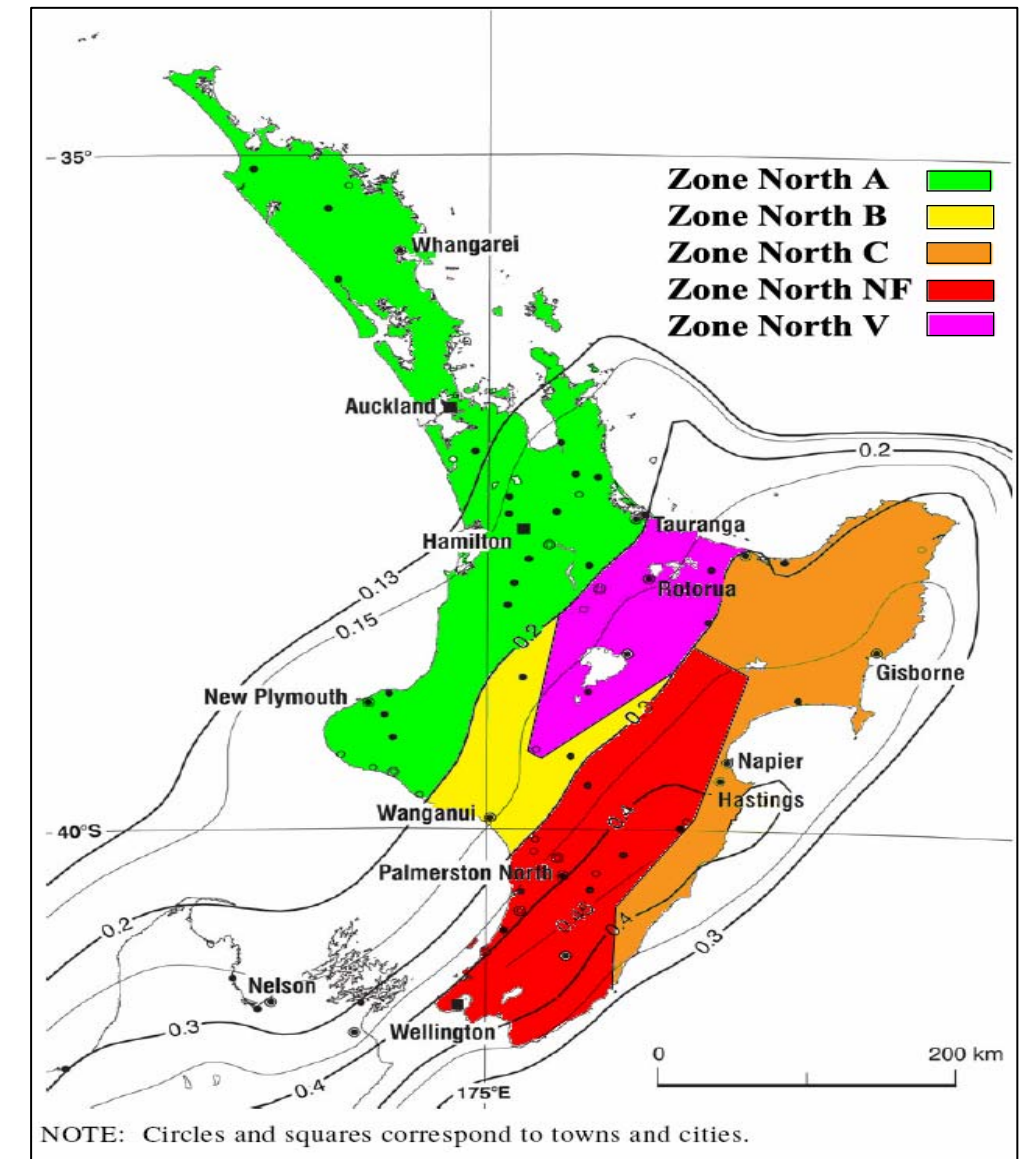


Default Suites of Records for Time-History Analysis in New Zealand
North Island
Shallow soil*

T<2.5 sec

Zone	Record name	Date	M** (Mw)	D** (km)	H** (km)	Fault mechanism	Station's soil	Near-fault effect
North A	1 El Centro, Imperial Valley, USA	19-May-40	7	6	10	Strike-Slip	Deep Broad	No
	2 Delta, Imperial Valley, USA	15-Oct-79	6.5	22	10	Strike-Slip	Deep Broad	No
	3 Convict Creek, Mammoth Lakes, USA	25-May-80	5.9	6	16	Strike-Slip	Deep Narrow	No
	4 Bovino, Campano Lucano, Italy	23-Nov-80	6.9	45	16	Normal	Deep Broad	No
	5 OTE Bldg, Kalamata, Greece	13-Sep-86	6.2	10	8	Normal	Deep Narrow	No
	6 Matahina Dam D, Edgecumbe, NZ	2-Mar-87	6.6	16	10	Normal	Shallow	No
	7 CHY074, Chi-Chi, Taiwan	20-Sep-99	6.2	6	18	Strike-slip	Shallow	No
North B	1 El Centro, Imperial Valley, USA	19-May-40	7	6	10	Strike-Slip	Deep Broad	No
	2 Delta, Imperial Valley, USA	15-Oct-79	6.5	22	10	Strike-Slip	Deep Broad	No
	3 Calitri, Campano Lucano, Italy	23-Nov-80	6.9	13	16	Normal	Deep Broad	No
	4 Llolleo, Chile	3-Mar-85	7.8	23	33	Subduction	Rock	No
	5 La Union, Mexico	19-Sep-85	8.1	16	15	Subduction	Rock	No
	6 Matahina Dam D, Edgecumbe, NZ	2-Mar-87	6.6	16	10	Normal	Shallow	No
	7 HKD085, Hokkaido, Japan	26-Sep-03	8.3	46	33	Subduction	Rock	No
North C	1 El Centro, Imperial Valley, USA	19-May-40	7	6	10	Strike-Slip	Deep Broad	No
	2 Pacoima Dam, San Fernando, USA	9-Feb-71	6.6	2	13	Reverse	Rock	No
	3 Llolleo, Chile	3-Mar-85	7.8	23	33	Subduction	Rock	No
	4 La Union, Mexico	19-Sep-85	8.1	16	15	Subduction	Rock	No
	5 BRAN, Loma Prieta, USA	18-Oct-89	6.9	4	17	Reverse	Rock	No
	6 Joshua Tree, Landers, USA	28-Jun-92	7.3	11	5	Strike-Slip	Deep Narrow	No
	7 HKD085, Hokkaido, Japan	26-Sep-03	8.3	46	33	Subduction	Rock	No
North NF*	1 El Centro, Imperial Valley, USA	19-May-40	7	6	10	Strike-Slip	Deep Broad	No
	2 Tabas, Iran	16-Sep-78	7.4	2	5	Reverse	Rock	Yes
	3 Llolleo, Chile	3-Mar-85	7.8	23	33	Subduction	Rock	No
	4 La Union, Mexico	19-Sep-85	8.1	16	15	Subduction	Rock	No
	5 Lucerne, Landers, USA	28-Jun-92	7.3	44	5	Strike-Slip	Rock	Yes
	6 Izmit, Kocaeli, Turkey	17-Aug-99	7.5	4	15	Strike-Slip	Rock	Yes
	7 HKD085, Hokkaido, Japan	26-Sep-03	8.3	46	33	Subduction	Rock	No
North V	1 El Centro, Imperial Valley, USA	19-May-40	7	6	10	Strike-Slip	Deep Broad	No
	2 Managua, Nicaragua	23-Dec-72	6.2	4	10	Strike-Slip	Deep Broad	No
	3 Delta, Imperial Valley, USA	15-Oct-79	6.5	22	10	Strike-Slip	Deep Broad	No
	4 Convict Creek, Mammoth Lakes, USA	25-May-80	5.9	6	16	Strike-Slip	Deep Narrow	No
	5 Calitri, Campano Lucano, Italy	23-Nov-80	6.9	13	16	Normal	Deep Broad	No
	6 OTE Bldg, Kalamata, Greece	13-Sep-86	6.2	10	8	Normal	Deep Narrow	No
	7 Matahina Dam D, Edgecumbe, NZ	2-Mar-87	6.6	16	10	Normal	Shallow	No



*Soil Class C according to NZS 1170.5:2004.

** M = Magnitude; D = shortest distance from the surface projection of the source; H = Hypocentral depth

NOTE: NZS 1170.5:2004 states that when the site is near a major fault (Zone North NF), one third of the records shall consider near fault-effects.

Further Information: coya001@ec.acukland.ac.nz

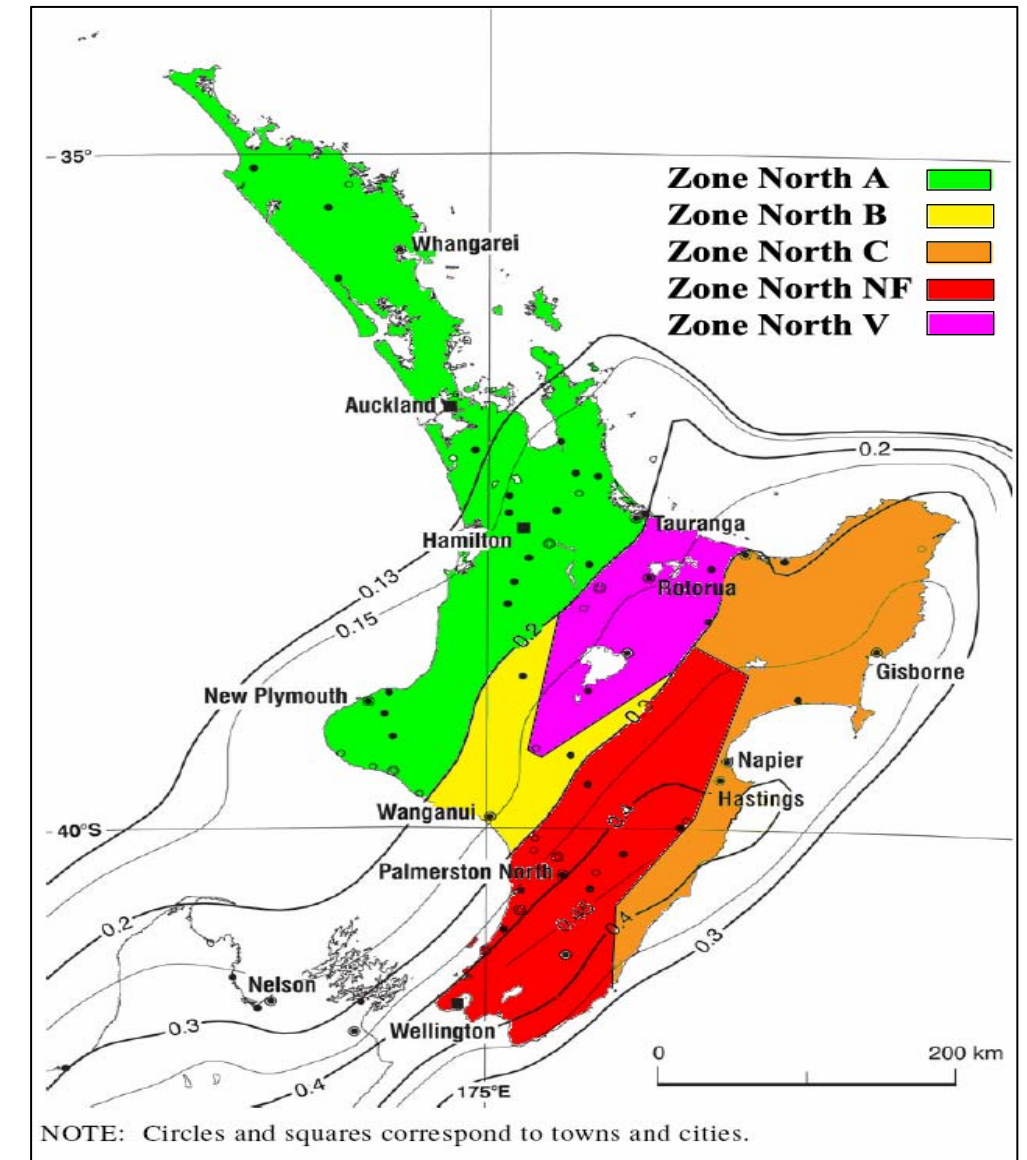
Default Suites of Records for Time-History Analysis in New Zealand

North Island

T<2.5 sec

Deep soil*

Zone	Record name	Date	M** (Mw)	D** (km)	H** (km)	Fault mechanism	Station's soil	Near-fault effect
North A	1 El Centro, Imperial Valley, USA	19-May-40	7	6	10	Strike-Slip	Deep Broad	No
	2 Delta, Imperial Valley, USA	15-Oct-79	6.5	22	10	Strike-Slip	Deep Broad	No
	Chihuahua, Victoria, Mexico	9-Jun-80	6.3	19	11	Strike-Slip	Deep Broad	No
	3 OTE Bldg, Corinthos, Greece	24-Feb-81	6.6	10	7	Normal	Deep Narrow	No
	4 OTE Bldg, Kalamata, Greece	13-Sep-86	6.2	10	8	Normal	Deep Narrow	No
	6 Westmorland, Superstition Hill, USA	24-Nov-87	6.5	13	9	Strike-Slip	Deep Broad	No
	7 CHY101, Chi-Chi, Taiwan	20-Sep-99	6.2	22	18	Strike-slip	Deep Broad	No
North B	1 El Centro, Imperial Valley, USA	19-May-40	7	6	10	Strike-Slip	Deep Broad	No
	2 Delta, Imperial Valley, USA	15-Oct-79	6.5	22	10	Strike-Slip	Deep Broad	No
	3 OTE Bldg, Corinthos, Greece	24-Feb-81	6.6	10	7	Normal	Deep Narrow	No
	4 Lolloo, Chile	3-Mar-85	7.8	23	33	Subduction	Rock	No
	5 Caleta de Campos, Mexico	19-Sep-85	8.1	0	15	Subduction		No
	6 Takarazu, Kobe, Japan	16-Jan-95	6.9	0	18	Strike-Slip	Deep Broad	No
	7 Gisborne, New Zealand	20-Dec-07	6.8	31	36	Normal	Deep	No
North C	1 El Centro, Imperial Valley	19-May-40	7	6	10	Strike-Slip	Deep Broad	No
	2 LA - Hollywood, San Fernando, USA	9-Feb-71	6.6	23	13	Reverse	Deep Broad	No
	3 Lolloo, Chile	3-Mar-85	7.8	23	33	Subduction	Rock	No
	4 Caleta de Campos, Mexico	19-Sep-85	8.1	0	15	Subduction		No
	5 Joshua Tree, Landers, USA	28-Jun-92	7.3	11	5	Strike-Slip	Deep Narrow	No
	6 Takarazu, Kobe, Japan	16-Jan-95	6.9	0	18	Strike-Slip	Deep Broad	No
	7 Gisborne, New Zealand	20-Dec-07	6.8	31	36	Normal	Deep	No
North NF*	1 El Centro, Imperial Valley	19-May-40	7	6	10	Strike-Slip	Deep Broad	No
	2 El Centro Array#6, Imperial Valley	15-Oct-79	6.5	0	10	Reverse	Deep Broad	Yes
	3 Lolloo, Chile	3-Mar-85	7.8	23	33	Subduction	Rock	No
	4 Caleta de Campos, Mexico	19-Sep-85	8.1	0	15	Subduction		No
	5 Joshua Tree, Landers, USA	28-Jun-92	7.3	11	5	Strike-Slip	Deep Narrow	No
	6 Sylmar Hospital, Northridge, USA	17-Jan-94	6.7	2	18	Reverse	Deep Broad	Yes
	7 Duzce, Turkey	12-Nov-99	7.2	0	10	Strike-Slip	Deep Broad	Yes
North V	1 El Centro, Imperial Valley, USA	19-May-40	7	6	10	Strike-Slip	Deep Broad	No
	2 Delta, Imperial Valley, USA	15-Oct-79	6.5	22	10	Strike-Slip	Deep Broad	No
	3 Calitri, Campano Lucano, Italy	23-Nov-80	6.9	13	16	Normal	Deep Broad	No
	4 OTE Bldg, Corinthos, Greece	24-Feb-81	6.6	10	7	Normal	Deep Narrow	No
	5 OTE Bldg, Kalamata, Greece	13-Sep-86	6.2	10	8	Normal	Deep Narrow	No
	6 Matahina Dam D, Edgecumbe, NZ	2-Mar-87	6.6	16	10	Normal	Shallow	No
	7 Erzincan, Turkey	13-Mar-92	6.7	0	9	Strike-Slip	Deep Broad	No



*Soil Class D according to NZS 1170.5:2004.

** M = Magnitude; D = shortest distance from the surface projection of the source; H = Hypocentral depth

NOTE: NZS 1170.5:2004 states that when the site is near a major fault (Zone North NF), one third of the records shall consider near fault-effects.

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