

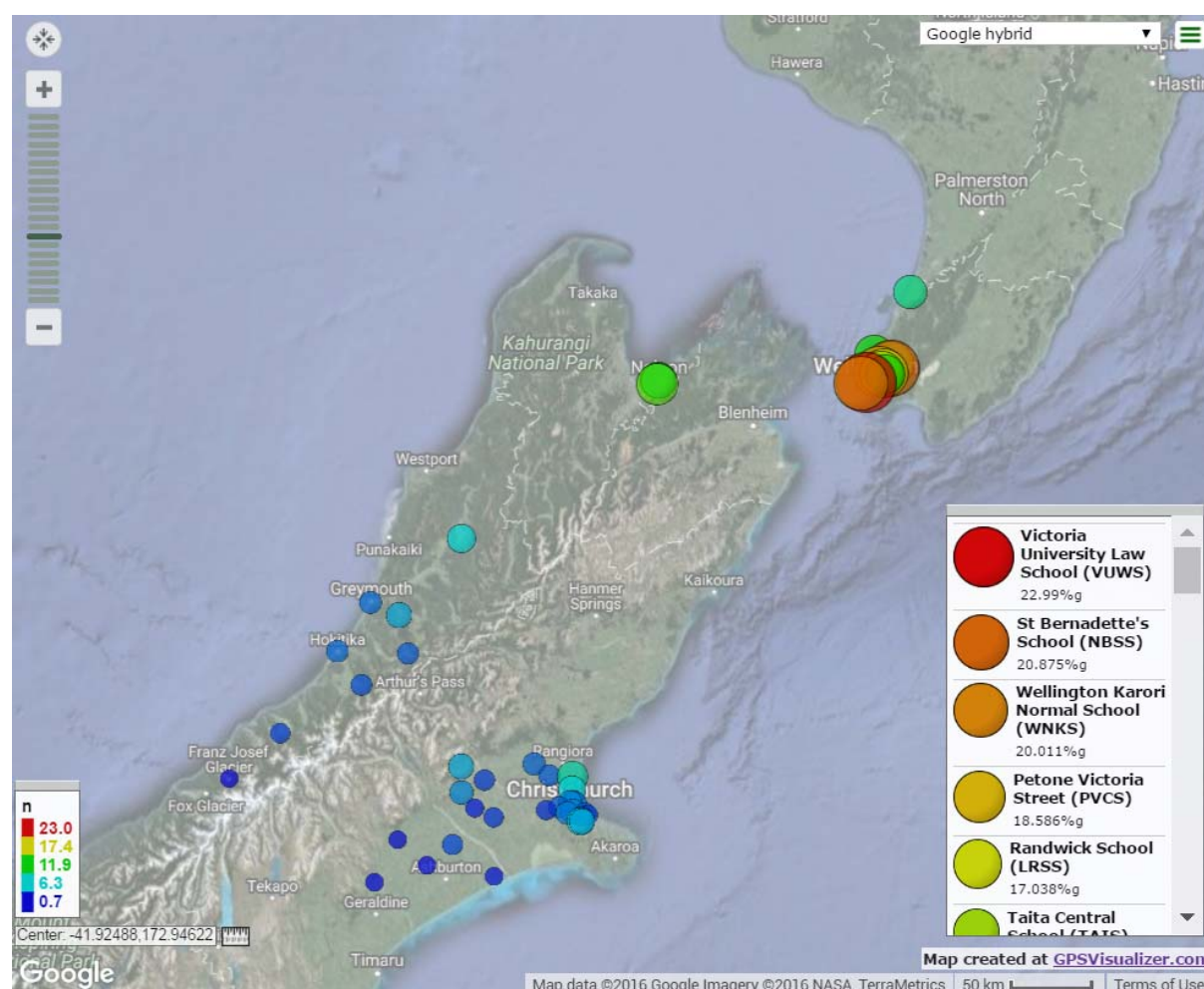
Earthquake information from the M7.5 Hanmer Springs Main Shock (14 Nov 2016)

by [Quincy Ma](#) & [Liam Wotherspoon](#), *The University of Auckland*

Earthquake detail

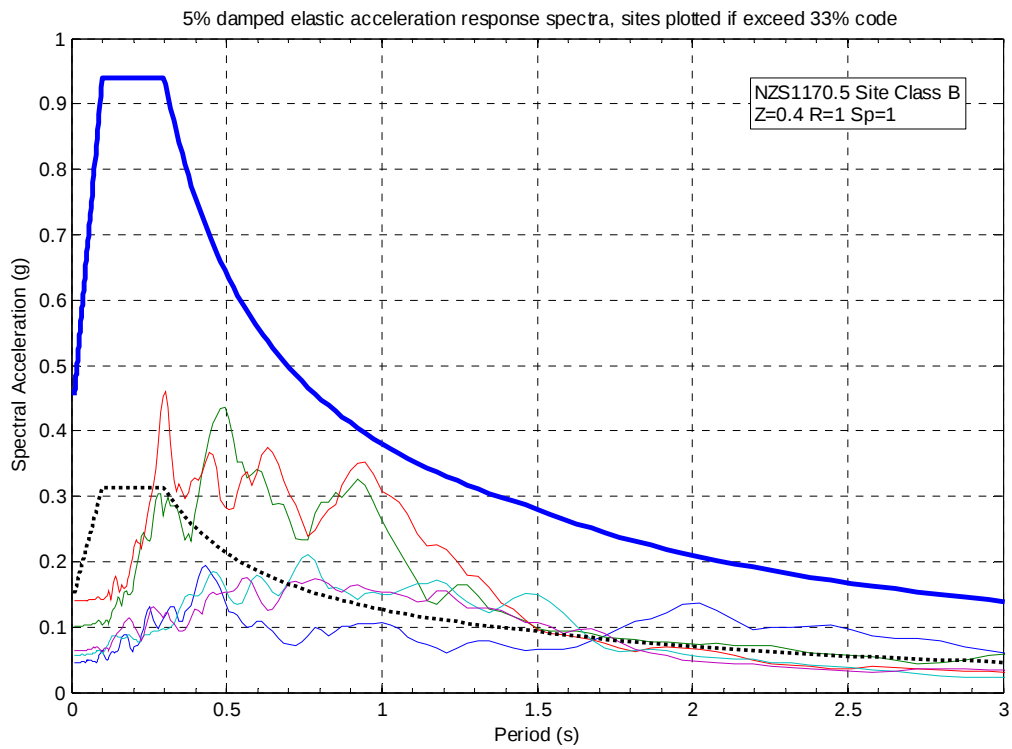
Public ID	2016p858000
Intensity 	severe
Universal Time	November 13 2016, 11:02:56
NZ Daylight Time	Mon, Nov 14 2016, 12:02:56 am
Depth	15 km
Magnitude	7.5
Location	15 km north-east of Culverden
Latitude, Longitude	-42.69, 173.02

Horizontal PGAs

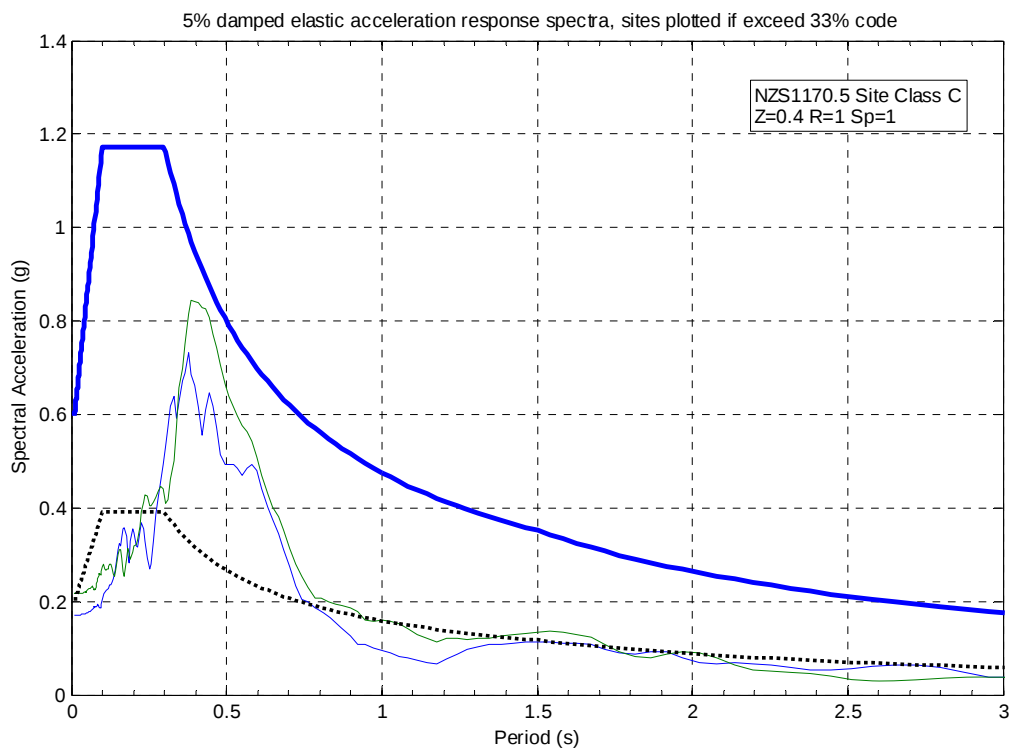


The following plots present the 5% Damped Elastic acceleration response spectra of the recorded ground motion.

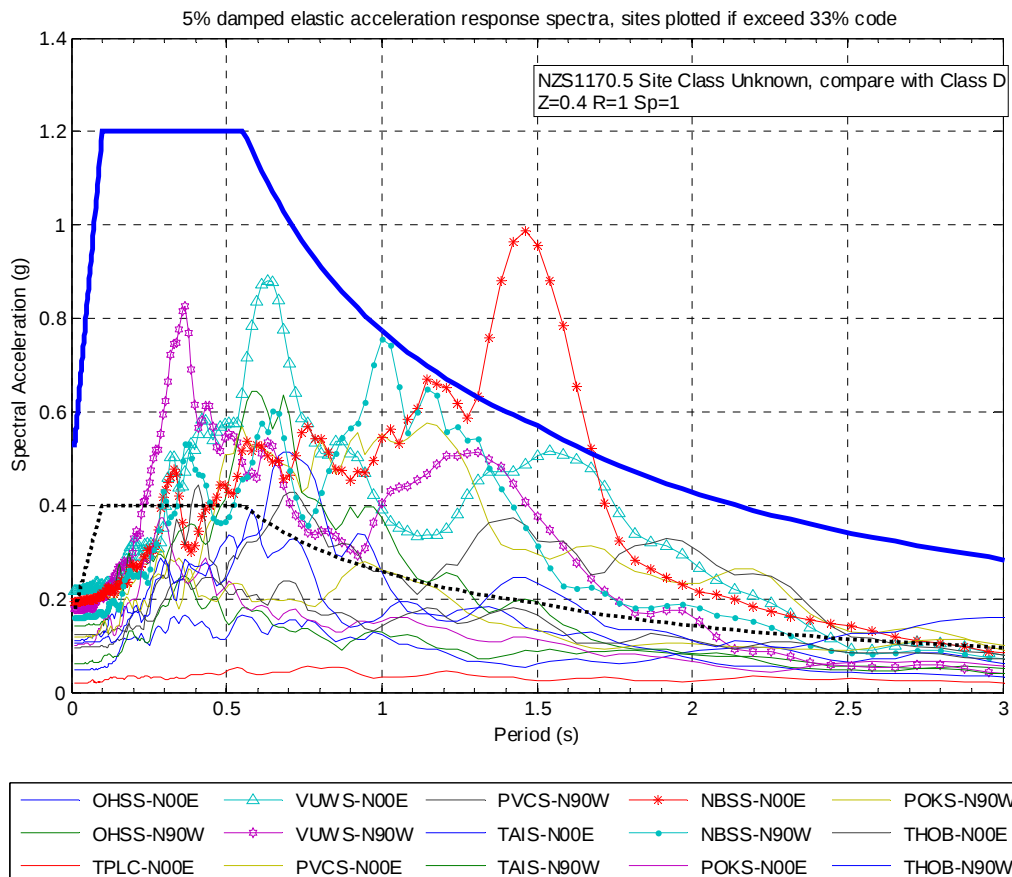
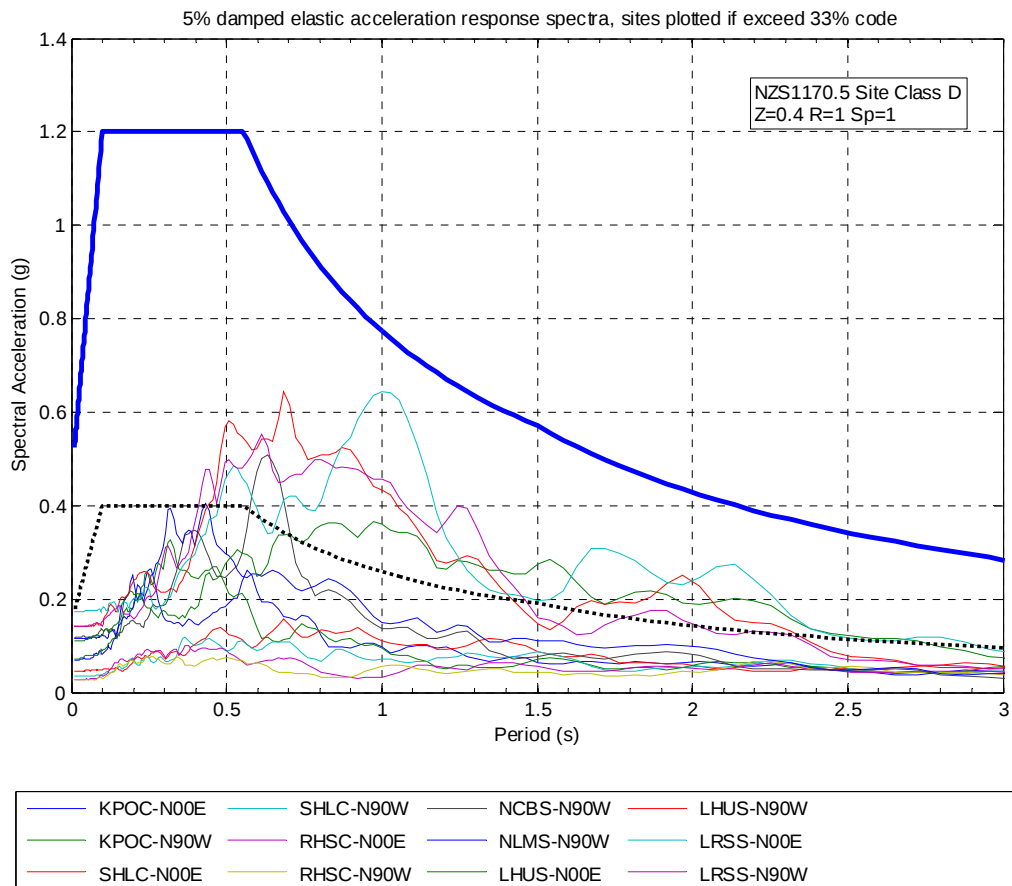
Solid blue lines represent the Code design spectrum and dotted line represents one-third of Code (nominal Earthquake Prone limit). Z, R and S_p assumptions are as per the legend.



ARPS-N00E NELS-N00E NELS-N90W HSSS-N00E HSSS-N90W



WNKS-N00E WNKS-N90W



* 5% damped Response spectrum against NZS1170.5 elastic design spectrum

*Original data from: ftp://ftp.geonet.org.nz/strong/processed/Proc/2016/11_Nov/2016-11-13_110256/Vol2/ (ACCELERATION data (filtered 0.25 – 24.5 Hz))

14 November 2016

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New Zealand Earthquake Report

Magnitude 7.5, Mon, Nov 14 2016, 12:02:56 am (NZDT)

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Quake Details

Felt it?

Information about this earthquake and [historical location data](#)

Public ID	2016p858000
Intensity	severe
Universal Time	November 13 2016, 11:02:56
NZ Daylight Time	Mon, Nov 14 2016, 12:02:56 am
Depth	15 km
Magnitude	7.5
Location	15 km north-east of Culverden
Latitude, Longitude	-42.69, 173.02
Agency	WEL(GNS_Primary)
Type	earthquake
Status	reviewed
Quality	best

Quake Map

Interactive map showing quake location.



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Quake History

Location history for this earthquake:

Interval Since Event	Origin Time	Latitude	Longitude	Depth	Magnitude	Status	Quality
000 01:48:11	2016-11-13T11:02:56.346Z	-42.69	173.02	15	7.5	reviewed	best
000 00:06:21	2016-11-13T11:02:56.317Z	-42.63	172.99	16	6.6	reviewed	best
000 00:06:20	2016-11-13T11:02:56.794Z	-42.67	173.10	47	7.5	automatic	good
000 00:05:10	2016-11-13T11:02:56.794Z	-42.67	173.10	47	7.5	automatic	good
000 00:03:48	2016-11-13T11:02:56.806Z	-42.68	173.12	47	7.5	automatic	good
000 00:03:07	2016-11-13T11:02:56.753Z	-42.68	173.09	44	7.6	automatic	good
000 00:02:44	2016-11-13T11:02:56.753Z	-42.68	173.09	44	7.5	automatic	good
000 00:02:40	2016-11-13T11:02:56.753Z	-42.68	173.09	44	7.4	automatic	good
000 00:02:36	2016-11-13T11:02:56.753Z	-42.68	173.09	44	7.3	automatic	good
000 00:02:29	2016-11-13T11:02:56.540Z	-42.65	173.05	39	7.1	automatic	good
000 00:02:28	2016-11-13T11:02:56.753Z	-42.68	173.09	44	7.2	automatic	good
000 00:02:21	2016-11-13T11:02:56.753Z	-42.68	173.09	44	7.1	automatic	good
000 00:02:16	2016-11-13T11:02:56.753Z	-42.68	173.09	44	7.0	automatic	good
000 00:02:06	2016-11-13T11:02:56.753Z	-42.68	173.09	44	6.8	automatic	caution
000 00:02:05	2016-11-13T11:02:56.753Z	-42.68	173.09	44	6.7	automatic	caution
000 00:01:48	2016-11-13T11:02:56.753Z	-42.68	173.09	44	6.6	automatic	caution
000 00:01:36	2016-11-13T11:02:56.540Z	-42.65	173.05	39	6.6	automatic	caution
000 00:01:28	2016-11-13T11:02:56.540Z	-42.65	173.05	39	6.5	automatic	caution
000 00:01:02	2016-11-13T11:02:56.540Z	-42.65	173.05	39	6.4	automatic	caution
000 00:01:01	2016-11-13T11:02:56.093Z	-42.62	172.96	25	6.5	automatic	caution

• Earthquake information last modified: 2016-11-13T12:51:07.600Z (UT).
• Page last modified: 2016-11-13T13:52:03.820Z (UT).

Source: <http://www.geonet.org.nz/quakes/region/newzealand/2016p858000>



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