

Earthquake Report: 2016.11.13 M 7.8 Kaikoura, New Zealand

Nov. 2016 Earthquake M ≥ 2.5

4.0 - 4.3

4.4 - 4.7

4.8 - 5.4

5.5 - 6.5

6.6 - 7.8

1950-2016 Earthquake M ≥ 5.5

5.5 - 5.7

5.8 - 6.1

6.2 - 6.5

6.6 - 7.1

7.2 - 7.8

TAN1613 Earthquake Response Core

TAN1613 Core Stations

Coastline (1,500)

Active Fault (250k)

INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
Shaking	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
Damage	None	None	None	Very slight	Light	Moderate	Moderate/heavy	Heavy	Very heavy
Peak Acc	<0.17	0.17-1.4	1.4-3.9	3.9-9.2	9.2-18	18-34	34-65	65-124	>124
Peak Vel	<0.1	0.1-1.1	1.1-3.4	3.4-8.1	8.1-16	16-31	31-60	60-116	>116

Peak Acc = Peak ground acceleration (g), Peak Vel = Peak ground velocity (cm/s)

Normal Fault

Thrust Fault

Strike-Slip Fault

Top View

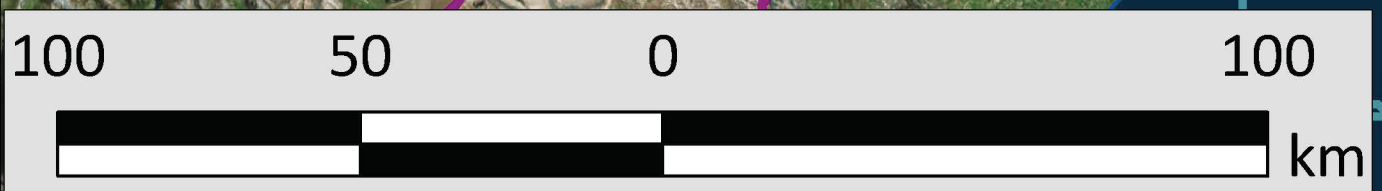
Side View

Side View

2016.11.13
M 7.8

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Bathymetry Data: 250 m:
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