## **Quick Statistics**

Earthquake size and source: M8.9, near east coast of Honshu Japan

Time of earthquake: 1846 NZDT 11/03/2011

First estimated tsunami arrival time in NZ:

0623 NZDT 12/03/2011 (North Cape)



## NOTE:

- The stated threat leves may apply to any one of the series of waves generated by the event and not necessarily to the first wave. The first wave is not always the largest or highest and waves are likely to continue for many hours.
- 2. The threat levels suggest the largest wave at any coastal point inside the zone. Wave heights will vary within a zone.
- 3. The amplitudes do not include the tidal state (sea level) at the time the wave reaches the shore.
- 4. The estimate is for the maximum expected wave amplitude at shore. Runup can be up to twice as high on steep slopes onshore near the coast, i.e. a wave measuring 5m at shore can run up as high as 10m on-land near the shore.
- The colours used to illustrate threat levels do not relate to the colours used for evacuation zones (red, orange, yellow – see *Tsunami Evacuation Zones DGL08/08*, MCDEM).
- 6. The expected wave amplitudes (crest to sea level) at the shore are likely to be different to measurements given in PTWC bulletins. PTWC measurements are taken at sea level gauges in the open ocean or at coastal points offshore from New Zealand. MCDEM information represents the official threat estimates.



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