

National Tsunami Risk Management Programme

2005-2014

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Ministry of Civil Defence
& Emergency Management
Te Rākau Whakamarumarū

Trigger 1: South-East Asia Tsunami, Dec 2004

- Triggered questions about NZ Tsunami Hazard and our Preparedness for it
- Govt directed MCDEM to report on above
- GNS Science commissioned to develop two reports, published in 2005:
 - Review of Tsunami Hazard and Risk in New Zealand (focussed only on distant & regional sources, & major metropolitan centres)
 - Preparedness Report



Trigger 2: Gisborne 'tsunami' May 2006

- MOU with media established
- Processes adjusted; Thresholds established
- Tsunami Working Group established
- Exercise Pacific Wave (Chile scenario)



Tsunami WG Agreed

Development of:

- Consistent Messages
- A Signage Standard
- Evacuation Zone Mapping Guideline
- Coastal threat modelling
- A National Tsunami Warning Plan



2008

MCDEM published:

- Tsunami brochure
- Tsunami Signage Standard
- Tsunami Evacuation Zones Guidelines
- National Tsunami Advisory & Warning Plan

Threat level concept established

Introduced Regional seminars



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2009

- Public Alerting Options Assessment
- Regional Seminars

2010

- Enhanced Coastal threat modelling
- Tsunami Experts Panel established
- National Tsunami Advisory & Warning Plan updated
- Regional seminars
- Exercise Tangaroa
- “When Minutes Count” DVD



2011

- WG decided next priority is Update of 2005 hazard assessment. To include:
 - Local sources
 - Regional sources
- GNS commissioned



2012

- Requests for Tsunami Sirens Standard
- WG considered, developed position on use of sirens for tsunami warnings – communicated by Director
- Minister asked to re-consider...



2013

- Hazard review published
- Tsunami sirens standard commissioned
- Regional Seminars

2014

- Tsunami Sirens Standard published
- National Tsunami Advisory & Warning Plan updated (to reflect new PTWC products)



Next considerations?

- Update Evacuation Zones Guideline (mapping methodology)
- Coastal run-up mapping
- Land use planning guidelines
- Vertical evacuation- structural design guidelines/standard
- Tsunami warning - operational model

