

## Coastal Hazards | Background Information

This page contains reports on coastal hazards. All of the information below has been put to the panel of independent experts who are reviewing the science behind the coastal hazard mapping undertaken to date. All documents are in PDF format and available for download or print from the links below.

### Reports for Independent Panel

The Panel met with technical experts and submitters in the first week of December 2013.

### Information from Experts

The following material was prepared by the submitters' and the Council's technical experts to inform the two days of expert meetings with the Panel in December 2013.

Bell, Dr Rob; 18 November 2013

[NIWA Letter: Review of Appendix A \(Sea Level Considerations\) in Kotuku Park Ltd. District Plan submission \(5 pages, 54Kb\)](#)

de Lange, Dr Willem; 4 December 2013

[Kāpiti Coast Coastal Hazard Assessment, Dr Willem de Lange \(44 pages, 1Mb\)](#)

Gordon, Angus; 2 April 2013

[Assessment of the Kāpiti Coast Erosion Hazard Assessment Report 2008 and 2012, updated by Dr Roger Shand \(43 pages, 1Mb\)](#)

Gordon, Angus; 8 January 2014

[Shoreline Evolution and Potential Future Behaviour of the Waikanae Inlet Eastern Shore - NZO113017 \(PDF, 23 pages, 2Mb\)](#)

Gordon, Angus; 3 December 2013

[Angus Gordon's response to Dr Rob Bell's comments on Appendix 1 \(5 pages, 72Kb\)](#)

Shand, Dr Roger; March 2008

[Kāpiti Coast Erosion Hazard Assessment Report Part 1: Open Coast \(80 pages, 2Mb\)](#)

[Kāpiti Coast Erosion Hazard Assessment Report Part 2: Inlets \(68 pages, 3Mb\)](#)

[Kāpiti Coast Erosion Hazard Assessment Report Part 3: Data-Base \(166 pages, 491Kb\)](#)

Shand, Dr Roger; August 2012

[Kapiti Coast Erosion Hazard Assessment - 2012 Update \(PDF, 105 pages, 4Mb\)](#)

Shand, Dr Roger; 18 December 2012

[Data and Computations for 2012 Erosion Hazard Update Assessment \(2 pages, 23Kb\)](#)

Shand, Dr Roger; 13 September 2013

[Erosion Hazard Reassessment: northern shoreline of Waimeha Inlet - September 2013 \(PDF, 9 pages, 377Kb\)](#)

Tortell, Phillip; 22 November 2013

[Philip Tortell Letter: Submission to Coastal Expert Panel \(3 pages, 48Kb\)](#)

Wilkinson, Dr Bryce; 4 December 2013

[Statement responding to general assertions relating to Dr Shand's 2012 report \(12 pages, 171Kb\)](#)

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### **Information from Submitters**

The following information was presented to the Panel in December 2013 by submitters of the Coastal Hazards chapter of the Proposed District Plan.

Alexander, Michael; 3 December 2013

[Aerial Photo of 43-49 Manly Street, November 2006 and 2013 \(2 pages, 971Kb\)](#)

Allin, Joan; 3 December 2013

[The Science and The Law - Joan Allin \(7 pages, 194Kb\)](#)

Allin, Joan; 3 December 2013

[Coastal Matters - Panel of Experts assisting in relation to Section 42A of the RMA: Remarks of Joan Allin \(30 pages, 324Kb\)](#)

- [Attachments: Maps etc - Joan Allin \(12 pages, 5Mb\)](#)

Beggs, Don; 3 December 2013

[Groves Road - Some History \(2 pages, 1Mb\)](#)

Buckett, R R; 3 December 2013

[R RBuckett: Re Kapiti Coast District Council Proposed District Plan Coastal Hazards Report Map 17C \(3 pages, 909Kb\)](#)

Callister, Paul; 3 December 2013  
Paul Callister - 88 The Parade (5 pages, 138Kb)

Cavaye, Rod; 3 December 2013  
Notes for verbal submission - R Cavaye (3 pages, 565Kb)

Frampton, Don; 3 December 2013  
Don Frampton - Presentation to the Coastal Panel (32 pages, 4Mb)

- Scanned images (4 pages, 3Mb)
- Kapiti Borough - scanned aerial photo (1 page, **19Mb**)

Katz, Peter; 3 December 2013  
Submission to KCDC prepared by Peter Katz (17 pages, 2Mb)

King, Peter; 3 December 2013  
Summary points for the panel to consider - P King (4 pages, 554Kb)

Maassen, John (North Otaki Beach Residents Group); 3 December 2013  
Presentation by North Otaki Beach Residents Group (NOBRG) to Expert Panel (50 pages, 3Mb)

- GWRC Letter: Management of Kāpiti Coast River and Stream Mouths (4 pages, 454Kb)

Mitchell, Chris; 3 December 2013  
Coastal Panel Meeting 3 December 2013 - C Mitchell (5 pages, 94Kb)

Moller, Bryce; 19 October 2013  
Consideration for the KCDC Coastal Expert Panel: Methods used by CSL specifically the Precautionary Approach - Bryce Moller (2 pages, 129Kb)

Paul, Larry; 3 December 2013  
Kapiti Coast Accretion - L Paul (4 pages, 870Kb)

Peterson, Richard; 18 November 2013  
Richard Peterson Email: Re Coastal Expert Panel, Program and Process (20 pages, 3Mb)

Reardon, John; 4 December 2013  
Summary of Oral Submission to Panel by John Reardon, Submitter 724 (5 pages, 61Kb)

- Appendix 1 River mouths (5 pages, 1Mb)

Rosier, Prof Johanna; 3 December 2013  
Statement of Professor Johanna Rosier to Expert Panel for NOBRG (3 pages, 49Kb)

Weir, Mike; 3 December 2013

[Submission by Mike Weir to KCDC Science Panel 3 December 2013 \(5 pages, 389Kb\)](#)

Wyatt, Warwick; 3 December 2013

[Submission to Panel of Independent Coastal Panel Experts - W Wyatt\) \(15 pages, 3Mb\)](#)

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### **Other information provided to the Panel**

The following information on coastal hazards relevant to the Kāpiti District was provided to the Panel to inform their deliberations.

Board of Enquiry; July 2009

[Proposed NZ Coastal Policy Statement 2008. Board of Enquiry report and recommendations July 2009. Volume 1 - Findings, recommendations and recommended NZCPS 2009. \(56 pages, 4Mb\)](#)

Board of Enquiry; July 2009

[Proposed NZ Coastal Policy Statement 2008. Board of Enquiry report and recommendations July 2009. Volume 2 - Working papers. \(44 pages, 4Mb\)](#)

Department of Conservation; 2010

[New Zealand Coastal Policy Statement 2010 \(30 pages, 497Kb\)](#)

- [NZCPS 2010 Implementation Guidance Introductory note \(8 pages, 212Kb\)](#)
- [NZCPS 2010 Guidance note Policy 3: Precautionary approach \(16 pages, 171Kb\)](#)

Focus Resource Management Group; 5 September 2011

[District Plan Review Coastal Hazard Provisions \(79 pages, 401Kb\)](#)

Gibb, J G and Depledge, D R; February 1980

[Coastal Erosion at Paekākāriki: Wellington's West Coast, 1980 \(24 pages, 1Mb\)](#)

Gibb, J G and Wilshere, D S; 21 September 1976

[Coastal Erosion - Kāpiti Coastline: Notes on the storm of Saturday 11 - Monday 13 September 1976 \(10 pages, 280Kb\)](#)

Gibb, Jeremy G; 1978

[The problem of Coastal Erosion along the Golden Coast Western Wellington, NZ \(22 pages, 999Kb\)](#)

Kāpiti Coast District Council; September 2012  
[Coastal Hazards on the Kapiti Coast](#) (22 pages, 191Kb)  
This powerpoint presentation is from the Districtwide Coastal Hazard Open Sessions held in September 2012.

Lumsden, J L (Consulting Engineer); March 2013  
[Kāpiti Coast Beach Profiles Monitoring Report, March 2013](#) (73 pages, 2Mb)

Lumsden, John; May 2003  
[Draft Report: Strategies for managing coastal erosion hazards on the Kāpiti Coast](#) (175 pages, 1Mb)

MetOcean Solutions Ltd; March 2007  
[Design Wave and Water Levels for the Kāpiti Coast, March 2007](#) (59 pages, 1Mb)

MetOcean Solutions Ltd; December 2010  
[Paekākāriki Beach - Summary of waves, currents and water levels](#) (27 pages, 2Mb)

Ministry for the Environment: Ramsay, D and Bell R (NIWA); 2nd edition July 2008  
[Coastal hazards and climate change: a guidance manual for Local Government in NZ](#) ( 129 pages, 3Mb)

NIWA; November 2011  
[Coastal adaptation to climate change: pathways to change - NIWA November 2011](#) (106 pages, 4Mb)

NIWA; December 2000  
[Kāpiti Coast Erosion Hazard Investigations: Waves, Tides, Storm Surge and Sea-level Rise](#) (56 pages, 3Mb)

Reinen-Hamill, Richard A and Shand, Tom D (Tonkin and Taylor Ltd)  
[Selection of appropriate hazard levels for coastal hazards mapping of variable shoreline types - Tonkin and Taylor](#) (6 pages, 735Kb)

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## **Other information**

The following information was also available to the Panel prior to the December 2013 meeting.

GNS Science; September 2012  
[Vertical land movement around the New Zealand coastline: implications for sea-level rise](#) (50 pages, 2 Mb)

Greater Wellington Regional Council  
[Wellington Region Storm Tide Modelling](#) (9 pages, 900Kb)

Hawkes Bay Regional Council; 4 April 2008  
[Coastal Hazard Zones - Valuation Report 2008](#) (59 pages, 5Mb)

National Institute of Water and Atmospheric Research Ltd (NIWA); June 2012  
[Sea-level variability and trends: Wellington Region](#) (74 pages, 5Mb)

NIWA - Dr Rob Bell  
[Sea-level rise - How are we tracking in the Wellington region and how will it affect coastal flooding?](#) (30 pages, 4Mb)

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### **Related Links**

[District Plan Review](#)  
[Council Plans, Policies and Strategies](#)