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**Tabulated Results of the  
2003 National Coastal Community Survey**

by

**D. Johnston, G. Leonard, R. Bell, C. Stewart, M. Hickman,  
J.Thompson, J. Kerr & P. Glassey**

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D Johnston, G Leonard, J Kerr & P Glassey, Institute of Geological & Nuclear Sciences Limited, Lower Hutt

R Bell, National Institute of Water and Atmospheric Research, Hamilton

C Stewart, Private Consultant, Wellington

M Hickman, Ministry for the Environment, Wellington

J Thomson, Environment Waikato, Hamilton

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## CONTENTS

<b>KEYWORDS</b> .....	<b>II</b>
<b>ABSTRACT</b> .....	<b>II</b>
<b>1.0 INTRODUCTION</b> .....	<b>3</b>
1.1 Method.....	4
<b>2.0 RESULTS</b> .....	<b>6</b>
<b>3.0 HAZARD KNOWLEDGE AND EXPERIENCE</b> .....	<b>7</b>
<b>4.0 COASTAL EROSION</b> .....	<b>27</b>
<b>5.0 TSUNAMI</b> .....	<b>46</b>
<b>6.0 CLIFF EROSION</b> .....	<b>70</b>
<b>7.0 COMMUNITY ISSUES</b> .....	<b>74</b>
<b>8.0 DEMOGRAPHIC INFORMATION</b> .....	<b>110</b>
<b>9.0 ACKNOWLEDGEMENTS</b> .....	<b>118</b>

## **KEYWORDS**

coastal hazards, survey, tsunami, coastal erosion, cliff erosion, community consultation, climate change, risk, sea-level rise, coastal flooding

## **ABSTRACT**

From January to June 2003 a national survey was conducted to build a picture of the social dynamics at work in coastal communities in relation to coastal hazards. This report presents the method, and tabulates the 3548 responses to approximately 50 questions from 42 coastal New Zealand communities. No analysis is included.

## 1.0 INTRODUCTION

New Zealanders love the seaside experience and want to live close to the sea — sometimes too close. Low-lying coastal communities are vulnerable to a range of different natural hazards (e.g. coastal erosion, tsunami, coastal flooding, sea-level rise) that come with varying levels of risk to coastal property, and to life and limb. Use of planning instruments under the RMA, NZ Coastal Policy Statement and Plans by territorial authorities to limit coastal property development is invariably contentious with local property owners. Coastal science research in New Zealand is relatively young (post-1960s). This, combined with New Zealand's diversity of coastal systems and lack of environmental monitoring, means the underpinning science to support the planning decisions is still qualitative and hence open to debate within the science community. Such a lack of data places real pressures on scientists and engineers to deliver more quantitative assessments of risk, while property owners and territorial authorities struggle with uncertainties in the knowledge and differences of “opinions” amongst experts. This volatile mix is compounded by issues of liability and insurability, with territorial authorities resorting to a precautionary approach to cover the uncertainties (and hence appearing to be overly restrictive). Property owners sometimes argue that they know the local risks best, based on their experience to date, rather than a scientist from “out-of-town”. A further contributing factor is that sea-level rise due to global warming, with associated increases in stormy weather, is predicted to have increasingly severe impacts on coastal communities for the next few centuries at least.

To date little is known about how aware residents and visitors are of the risks of living at and visiting the coast. A previous small community perception survey of Brighton Spit residents undertaken by Jenny Ridgen (unpublished, Christchurch City Council) provides some hints of community perception of risk and attitudes towards scientists/engineers. Most residents believed they were aware of coastal hazards, but that they were generally safe. The survey also found that education (90%) and awareness programmes (72%) were seen as useful adjuncts to planning mechanisms. Most perceived that the risk to their properties was minimal, with some suspicious of the evaluations of the risk put forward by coastal scientists. The Council was seen by some as relying too heavily on the “experts” and had not taken into account the fact that the existing dwellings had survived intact thus far. The findings from that small survey provided some of the impetus to develop a wide survey of the concerns of a broad cross-section of coastal communities throughout New Zealand, particularly owners of beachfront properties or canal estates.

From January to June 2003 a large-scale national survey of coastal residents and visitors was undertaken to determine perceptions of, and preparedness for, coastal hazards (mainly tsunami and coastal erosion). The survey aim was to build up a picture of the social dynamics at work in coastal communities.

## 1.1 Method

For any major community survey, careful thought must be given to the aims of the survey, the length and ease of use of survey forms, the style and unambiguous wording of the questions, and the logistics of survey (delivery, receipt, collation and data entry). Critical elements built into the design of the National Coastal Survey (2003) were as follows:

- Selling the vision that such a large national undertaking was possible through collaborations and partnerships;
- Collaborations between two crown research institutes (GNS and NIWA) were complemented by valuable input into the survey design by an environmental economist and social scientists from Environment Waikato;
- Partnerships with regional councils and territorial authorities were a key component of the success of the community surveys. These agencies provided additional funding, added endorsements to cover letters, helped select appropriate coastal communities, and provided additional site-specific questions in addition to the core content of the questionnaire.
- Beach resorts were surveyed during the peak summer holiday period when both residents and visitors have more leisure time to fill in survey forms.

The major objectives of the questionnaire were: (1) to assess perceptions of coastal risk in the context of other risks; (2) to assess levels of preparedness for emergencies; and (3) to assess views on management options and willingness to pay for the mitigation of coastal hazards. Specific questions were drawn up to address these objectives, and at this stage, the draft questionnaire was subjected to a wide-ranging consultation process. The final questionnaire contained nearly 50 questions covering perceived threats from a range of natural hazards, specific awareness of and preparedness for tsunami, perceptions of coastal erosion and mitigation strategies, general emergency preparedness, willingness to pay for coastal management options, and socioeconomic information about respondents.

Over 9000 questionnaires were delivered in 42 coastal communities from Riverton in the far south of the South Island to Waipu Cove in the Northland region of the North Island (Tables 1 and 2). Survey numbers and location were recorded to allow batches to be identified within a general geographical area, and thus be correlated to hazard zones and community characteristics. A visitors' survey was also distributed at beaches to target non-residents. The visitors' survey was based on a subset of questions from the residents' survey. Visitors were randomly selected from people present on the beach/coast, and from tent sites and vehicles. All visitor responses were returned by mail and there could, therefore, be no followup to increase the visitor return rate.

**Table 1** Location, delivery date and return rates for the residents' survey (up until June 2003).

<b>Residents</b>				
<b>Location</b>	<b>Date delivered</b>	<b>No. delivered</b>	<b>No. returned</b>	<b>Return rate</b>
<b>Phase 1</b>				
Langs Beach	7 January	119	43	36.1%
Waipu Cove	7 January	46	11	23.9%
Omaha	9 January	300	107	35.7%
Whangamata	10 January	300	111	37.0%
Waihi Beach	10 January	300	125	41.7%
Cooks Beach	11 January	200	93	46.5%
Whitianga	11 January	300	94	31.3%
Papamoa	12 January	300	103	34.3%
Mount Maunganui	12 January	300	135	45.0%
Pukehina	13 January	200	73	36.5%
Maketu	13 January	50	22	44.0%
Coastlands	14 January	100	50	50.0%
Ohope	14 January	300	134	44.7%
Wainui	14 January	200	97	48.5%
Westshore	15 January	300	126	42.0%
Haumoana	15 January	100	49	49.0%
Te Awanga	16 January	100	57	58.0%
<b>Phase 2</b>				
Riversdale	6 February	50	17	34.0%
Castlepoint	6 February	50	23	46.0%
Akitio	7 February	51	27	52.9%
St Clair	9 February	300	138	46.0%
Oamaru	7 February	300	80	26.7%
Riverton	11 February	200	48	24.0%
New Brighton	12 February	150	56	37.3%
South Shore	12 February	150	78	52.0%
Sumner	13 February	150	52	34.7%
Kaikoura	15 February	100	36	36.0%
Waitarere	17 February	200	79	39.5%
Foxton Beach	18 February	200	77	38.5%
Castlecliff	18 February	200	81	40.5%
Lyll Bay	19 February	100	45	45.0%
Eastbourne	18 February	100	50	50.0%
Seatoun	21 February	100	48	48.0%
Raumati	18 February	300	167	55.7%
Te Horo	18 February	100	40	40.0%
<b>Phase 3</b>				
Oahura	1 May	200	104	52.0%
Milford	25 May	200	80	40.0%
Sunny Hills	3 June	200	71	35.5%
Sunnybrae	3 June	200	37	18.5%
Tamaki	3 June	200	52	26.0%
Torbay	25 May	200	78	39.0%
<b>Total</b>		<b>7516</b>	<b>2995</b>	<b>39.8%</b>



**Table 2** Location, delivery date and return rates for the visitors' survey.

<b>Visitors</b>				
<b>Location</b>	<b>Date delivered</b>	<b>No. delivered</b>	<b>No. returned</b>	<b>Return rate</b>
<b>Phase 1</b>				
Langs Beach	7 January	30	13	43.3%
Waipu Cove	8 January	200	71	35.5%
Omaha	9 January	19	7	36.8%
Whangamata	10 January	178	35	19.7%
Waihi Beach	10 January	151	25	16.6%
Cooks Beach	11 January	87	32	36.8%
Whitianga	11 January	182	52	28.6%
Papamoa	12 January	200	77	38.5%
Mount				
Maunganui	13 January	200	75	37.5%
Pukehina	13 January	110	31	28.2%
Ohope	14 January	200	91	45.5%
Wainui	14 January	32	4	12.5%
Te Awanga	16 January	35	20	57.1%
<b>Phase 2</b>				
New Brighton	14 February	25	10	40.0%
Kaikoura	16 February	50	10	20.0%
<b>Total</b>		<b>1699</b>	<b>553</b>	<b>32.5%</b>

## 2.0 RESULTS

The survey results provide national and local data on coastal hazard risk perception. Preliminary analysis is in progress and the following sections of this report present an overview of the results.

### 3.0 HAZARD KNOWLEDGE AND EXPERIENCE

**Table 3** The **two** natural hazards the respondent thinks are most likely to affect their community ('affect this community' for visitor respondents).

Flooding (river or sea)	n	%	Storm or cyclone with high winds	n	%
Langs Beach	42	23.3	Langs Beach	42	81.0
Waipu Cove	11	36.4	Waipu Cove	11	63.6
Omaha	107	12.1	Omaha	107	87.8
Whangamata	111	17.1	Whangamata	111	78.4
Waihi Beach	125	18.4	Waihi Beach	125	70.4
Cooks Beach	93	45.2	Cooks Beach	93	64.5
Whitianga	96	69.1	Whitianga	96	52.1
Papamoa	103	5.8	Papamoa	103	71.8
Mount Maunganui	135	3.7	Mount Maunganui	135	79.3
Pukehina	73	8.3	Pukehina	83	82.1
Maketu	22	9.1	Maketu	22	59.1
Coastlands	50	8.0	Coastlands	50	72.0
Ohope	134	9.7	Ohope	134	63.4
Wainui	97	2.1	Wainui	97	62.9
Westshore	126	11.1	Westshore	126	47.6
Haumoana	49	65.3	Haumoana	49	36.7
Te Awanga	57	78.9	Te Awanga	57	22.8
Riversdale	17	5.9	Riversdale	17	41.2
Castlepoint	23	4.3	Castlepoint	23	65.2
Akitio	27	33.3	Akitio	27	41.8
Oamaru	80	23.8	Oamaru	80	25.0
Riverton	48	64.6	Riverton	48	60.4
New Brighton	56	23.2	New Brighton	56	60.7
South Shore	78	37.2	South Shore	78	34.6
Sumner	52	57.7	Sumner	52	32.7
Kaikoura	36	77.8	Kaikoura	36	41.7
Waitarere	79	8.9	Waitarere	79	53.2
Foxton Beach	77	39.0	Foxton Beach	77	45.5
Castlecliff	81	14.8	Castlecliff	81	70.4
Lyall Bay	45	8.9	Lyall Bay	45	66.7
Eastbourne	50	6.0	Eastbourne	50	48.0
Seatoun	48	18.8	Seatoun	48	54.2
Raumati	167	12.0	Raumati	167	49.1
Te Horo	40	75.0	Te Horo	40	52.5
Oakura	104	19.2	Oakura	104	71.1
Milford	80	28.8	Milford	80	66.3
Sunny Hills	71	18.3	Sunny Hills	71	70.4
Sunnybrae	37	24.3	Sunnybrae	37	62.2
Tamaki	52	21.2	Tamaki	52	55.8
Torbay	78	15.4	Torbay	78	75.4
St Clair	138	21.7	St Clair	138	37.6
Visitors	n	%	Visitors	n	%
Langs Beach	13	46.2	Langs Beach	13	70.5
Waipu Cove	71	8.7	Waipu Cove	71	89.9
Omaha	7	28.6	Omaha	7	57.1
Whangamata	35	41.2	Whangamata	35	71.1
Waihi Beach	25	25.0	Waihi Beach	25	58.3
Cooks Beach	32	62.5	Cooks Beach	32	59.4
Whitianga	52	65.4	Whitianga	52	58.1
Papamoa	77	14.5	Papamoa	77	81.5
Mount Maunganui	75	13.3	Mount Maunganui	75	69.7
Pukehina	31	23.3	Pukehina	31	63.8
Ohope	91	13.2	Ohope	91	62.8
Wainui	4	0.0	Wainui	4	50.0
Te Awanga	20	75.0	Te Awanga	20	25.0
New Brighton	10	40.0	New Brighton	10	62.2
Kaikoura	10	10.0	Kaikoura	10	60.0

Forest or bush fire	n	%
Langs Beach	42	0
Waipu Cove	11	0
Omaha	107	0
Whangamata	111	4.5
Waihi Beach	125	4.0
Cooks Beach	93	1.1
Whitianga	96	0
Papamoa	103	0
Mount Maunganui	135	4.5
Pukehina	73	0
Maketu	22	0
Coastlands	50	4.0
Ohope	134	0
Wainui	97	0
Westshore	126	0
Haumoana	49	0
Te Awanga	57	0
Riversdale	17	5.9
Castlepoint	23	8.7
Akitio	27	0
Oamaru	80	3.8
Riverton	48	6.3
New Brighton	56	1.8
South Shore	78	6.4
Sumner	52	5.8
Kaikoura	36	0
Waitarere	79	58.2
Foxton Beach	77	14.3
Castlecliff	81	6.2
Lyall Bay	45	0
Eastbourne	50	56.0
Seatoun	48	2.1
Raumati	167	1.8
Te Horo	40	2.5
Oakura	104	0
Milford	80	0
Sunny Hills	71	0
Sunnybrae	37	5.4
Tamaki	52	1.9
Torbay	78	0
St Clair	138	0.7
Visitors	n	%
Langs Beach	13	0.0
Waipu Cove	71	1.4
Omaha	7	0.0
Whangamata	35	2.9
Waihi Beach	25	0.0
Cooks Beach	32	0.0
Whitianga	52	2.0
Papamoa	77	0.0
Mount Maunganui	75	13.5
Pukehina	31	0.0
Ohope	91	4.5
Wainui	4	0.0
Te Awanga	20	0.0
New Brighton	10	0.0
Kaikoura	10	42.2

Earthquake	n	%
Langs Beach	42	0
Waipu Cove	11	0
Omaha	107	0
Whangamata	111	4.5
Waihi Beach	125	4.0
Cooks Beach	93	0
Whitianga	96	0
Papamoa	103	19.4
Mount Maunganui	135	11.1
Pukehina	73	14.1
Maketu	22	36.3
Coastlands	50	30.0
Ohope	134	34.3
Wainui	97	16.5
Westshore	126	30.9
Haumoana	49	10.2
Te Awanga	57	12.3
Riversdale	17	11.8
Castlepoint	23	4.3
Akitio	27	3.7
Oamaru	80	13.8
Riverton	48	8.3
New Brighton	56	14.3
South Shore	78	2.6
Sumner	52	30.8
Kaikoura	36	22.2
Waitarere	79	16.5
Foxton Beach	77	20.8
Castlecliff	81	34.5
Lyall Bay	45	40.0
Eastbourne	50	44.0
Seatoun	48	52.1
Raumati	167	38.3
Te Horo	40	22.5
Oakura	104	5.8
Milford	80	16.3
Sunny Hills	71	26.7
Sunnybrae	37	10.8
Tamaki	52	13.4
Torbay	78	2.6
St Clair	138	14.5
Visitors	n	%
Langs Beach	13	0.0
Waipu Cove	71	0.0
Omaha	7	0.0
Whangamata	35	0.0
Waihi Beach	25	0.0
Cooks Beach	32	3.1
Whitianga	52	2.0
Papamoa	77	6.5
Mount Maunganui	75	10.9
Pukehina	31	17.1
Ohope	91	17.9
Wainui	4	0.0
Te Awanga	20	15.0
New Brighton	10	0.0
Kaikoura	10	11.1

Ash fall from a volcanic eruption	n	%
Langs Beach	42	0
Waipu Cove	11	0
Omaha	107	0
Whangamata	111	1.8
Waihi Beach	125	2.4
Cooks Beach	93	0
Whitianga	96	0
Papamoa	103	9.8
Mount Maunganui	135	2.2
Pukehina	73	5.7
Maketu	22	9.0
Coastlands	50	8.0
Ohope	134	8.9
Wainui	97	1.0
Westshore	126	0
Haumoana	49	0
Te Awanga	57	0
Riversdale	17	0
Castlepoint	23	0
Akitio	27	0
Oamaru	80	1.3
Riverton	48	2.1
New Brighton	56	1.8
South Shore	78	0
Sumner	52	0
Kaikoura	36	0
Waitarere	79	1.3
Foxton Beach	77	0
Castlecliff	81	1.2
Lyll Bay	45	0
Eastbourne	50	0
Seatoun	48	0
Raumati	167	0
Te Horo	40	0
Oakura	104	4.8
Milford	80	10.0
Sunny Hills	71	7.0
Sunnybrae	37	5.4
Tamaki	52	5.7
Torbay	78	2.6
St Clair	138	0.7
Visitors	n	%
Langs Beach	13	0.0
Waipu Cove	71	0.0
Omaha	7	0.0
Whangamata	35	0.0
Waihi Beach	25	4.2
Cooks Beach	32	0.0
Whitianga	52	0.0
Papamoa	77	1.3
Mount Maunganui	75	2.7
Pukehina	31	17.4
Ohope	91	5.5
Wainui	4	0.0
Te Awanga	20	0.0
New Brighton	10	0.0
Kaikoura	10	0.0

Tsunami (previously called tidal wave)	n	%
Langs Beach	42	14.0
Waipu Cove	11	0
Omaha	107	13.1
Whangamata	111	20.7
Waihi Beach	125	12.8
Cooks Beach	93	6.5
Whitianga	96	9.6
Papamoa	103	22.4
Mount Maunganui	135	22.3
Pukehina	73	17.3
Maketu	22	4.5
Coastlands	50	20.0
Ohope	134	8.2
Wainui	97	28.8
Westshore	126	22.2
Haumoana	49	8.1
Te Awanga	57	8.8
Riversdale	17	46.1
Castlepoint	23	4.3
Akitio	27	3.7
Oamaru	80	31.3
Riverton	48	16.7
New Brighton	56	26.8
South Shore	78	29.5
Sumner	52	30.8
Kaikoura	36	13.9
Waitarere	79	19.2
Foxton Beach	77	11.7
Castlecliff	81	11.1
Lyll Bay	45	35.6
Eastbourne	50	10.0
Seatoun	48	29.2
Raumati	167	8.4
Te Horo	40	15.0
Oakura	104	8.7
Milford	80	13.8
Sunny Hills	71	11.3
Sunnybrae	37	10.8
Tamaki	52	15.4
Torbay	78	2.6
St Clair	138	26.0
Visitors	n	%
Langs Beach	13	0.0
Waipu Cove	71	5.8
Omaha	7	14.3
Whangamata	35	12.1
Waihi Beach	25	33.3
Cooks Beach	32	3.1
Whitianga	52	3.9
Papamoa	77	14.3
Mount Maunganui	75	22.3
Pukehina	31	21.2
Ohope	91	15.5
Wainui	4	50.0
Te Awanga	20	15.0
New Brighton	10	20.0
Kaikoura	10	22.2

Coastal erosion (shoreline erosion)	n	%
Langs Beach	42	64.3
Waipu Cove	11	100
Omaha	107	84.1
Whangamata	111	66.7
Waihi Beach	125	84.0
Cooks Beach	93	80.7
Whitianga	96	66.0
Papamoia	103	66.9
Mount Maunganui	135	69.7
Pukehina	73	72.4
Maketu	22	72.7
Coastlands	50	56.0
Ohope	134	63.5
Wainui	97	81.5
Westshore	126	81.0
Haumoana	49	77.5
Te Awanga	57	68.4
Riversdale	17	88.2
Castlepoint	23	100
Akitio	27	85.2
Oamaru	80	83.8
Riverton	48	41.7
New Brighton	56	64.3
South Shore	78	82.1
Sumner	52	25.0
Kaikoura	36	38.9
Waitarere	79	35.4
Foxton Beach	77	68.8
Castlecliff	81	53.1
Lyll Bay	45	44.4
Eastbourne	50	26.0
Seatoun	48	39.6
Raumati	167	86.8
Te Horo	40	27.5
Oakura	104	83.6
Milford	80	56.3
Sunny Hills	71	53.5
Sunnybrae	37	54.1
Tamaki	52	71.2
Torbay	78	79.5
St Clair	138	86.2
Visitors	n	%
Langs Beach	13	83.3
Waipu Cove	71	94.2
Omaha	7	100.0
Whangamata	35	69.6
Waihi Beach	25	79.2
Cooks Beach	32	71.9
Whitianga	52	66.7
Papamoia	77	81.8
Mount Maunganui	75	66.1
Pukehina	31	57.1
Ohope	91	76.0
Wainui	4	100.0
Te Awanga	20	70.0
New Brighton	10	77.8
Kaikoura	10	32.2

Landslide	n	%
Langs Beach	42	16.3
Waipu Cove	11	0
Omaha	107	0
Whangamata	111	0.9
Waihi Beach	125	2.4
Cooks Beach	93	0
Whitianga	96	0
Papamoia	103	1.0
Mount Maunganui	135	1.5
Pukehina	73	0
Maketu	22	9.1
Coastlands	50	0
Ohope	134	6.0
Wainui	97	4.1
Westshore	126	1.6
Haumoana	49	0
Te Awanga	57	0
Riversdale	17	0
Castlepoint	23	8.7
Akitio	27	11.1
Oamaru	80	8.8
Riverton	48	0
New Brighton	56	1.8
South Shore	78	0
Sumner	52	11.5
Kaikoura	36	2.8
Waitarere	79	0
Foxton Beach	77	0
Castlecliff	81	0
Lyll Bay	45	0
Eastbourne	50	6.0
Seatoun	48	0
Raumati	167	0.6
Te Horo	40	0
Oakura	104	2.9
Milford	80	2.5
Sunny Hills	71	8.5
Sunnybrae	37	10.8
Tamaki	52	9.6
Torbay	78	16.7
St Clair	138	8.7
Visitors	n	%
Langs Beach	13	0.0
Waipu Cove	71	0.0
Omaha	7	0.0
Whangamata	35	3.0
Waihi Beach	25	0.0
Cooks Beach	32	0.0
Whitianga	52	2.0
Papamoia	77	0.0
Mount Maunganui	75	1.4
Pukehina	31	0.0
Ohope	91	4.5
Wainui	4	0.0
Te Awanga	20	0.0
New Brighton	10	0.0
Kaikoura	10	22.2

**Table 4** Period in which the respondent thinks the following hazards are likely to affect their area in the future (Ticked only one option for each hazard)

Flood	n	within the next year	within the next 10 years	within your lifetime	not within your lifetime
Langs Beach	41	19.5	36.6	17.1	26.8
Waipu Cove	11	0	40.0	60.0	0
Omaha	97	2.1	24.7	26.8	46.4
Whangamata	88	13.6	25.0	19.3	42.0
Waihi Beach	101	11.9	36.6	20.8	30.7
Cooks Beach	86	37.2	32.6	15.1	15.1
Whitianga	88	51.1	30.7	10.2	8.0
Papamoa	96	8.3	20.8	28.1	42.7
Mount Maunganui	116	0.9	20.7	26.7	51.7
Pukehina	62	6.5	24.2	25.8	43.5
Maketu	18	0	38.9	33.3	27.8
Coastlands	47	0	19.1	44.7	36.2
Ohope	115	2.6	30.4	36.5	30.4
Wainui	84	4.8	11.9	27.4	56.0
Westshore	108	6.5	28.7	31.5	33.3
Haumoana	84	33.3	41.7	14.6	10.4
Te Awanga	54	14.8	53.7	27.8	3.7
Riversdale	15	6.7	33.3	26.7	33.3
Castlepoint	17	0	47.1	23.5	29.4
Akitio	24	41.7	41.7	16.7	0
Oamaru	69	0	33.3	21.7	44.9
Riverton	44	18.2	25.0	29.5	27.3
New Brighton	51	7.8	39.2	27.5	25.5
South Shore	71	2.8	35.2	29.6	32.4
Sumner	48	2.1	41.7	41.7	14.6
Kaikoura	35	11.4	51.4	37.1	0
Waitarere	69	4.3	15.9	23.2	56.5
Foxton Beach	69	4.3	37.7	40.6	17.4
Castlecliff	74	4.1	24.3	32.4	39.2
Lyll Bay	40	2.5	32.5	25.0	40.0
Eastbourne	45	11.1	24.4	31.1	33.3
Seatoun	45	6.7	35.6	26.7	31.1
Raumati	153	5.9	37.9	27.5	28.8
Te Horo	37	13.5	59.5	18.9	8.1
Oakura	92	15.2	39.1	21.7	23.9
Milford	67	16.4	17.9	26.9	38.8
Sunny Hills	61	0	18.0	31.1	50.8
Sunnybrae	35	17.1	40.0	17.1	25.7
Tamaki	45	4.4	11.1	35.6	48.9
Torbay	68	17.6	27.9	23.5	30.9
St Clair	122	0.8	21.3	38.5	39.3
Visitors	n	%	%	%	%
Langs Beach	12	0	50.0	41.7	8.3
Waipu Cove	55	18.2	34.5	36.4	10.9
Omaha	6	0	83.3	16.7	0
Whangamata	30	30.0	36.7	6.7	73.3
Waihi Beach	21	9.5	47.6	28.6	14.3
Cooks Beach	31	41.9	45.2	12.9	0
Whitianga	50	50.0	36.0	12.0	2.0
Papamoa	65	4.6	35.4	29.2	30.8
Mount Maunganui	65	10.8	16.9	35.4	36.9
Pukehina	27	3.7	25.9	44.4	25.9
Ohope	88	3.4	38.6	33.0	25.0
Wainui	3	0	0	66.7	33.3
Te Awanga	18	22.2	72.2	5.6	0
New Brighton	10	0	50.0	50.0	0
Kaikoura	10	0	80.0	0	20.0

Storm or cyclone with high winds	n	within the next year	within the next 10 years	within your lifetime	not within your lifetime
Langs Beach	41	46.3	46.3	4.9	2.4
Waipu Cove	11	36.4	54.5	9.1	0
Omaha	106	33.0	51.9	14.2	0.9
Whangamata	107	44.9	31.8	20.6	2.8
Waihi Beach	115	33.9	47.8	13.0	5.2
Cooks Beach	87	41.4	41.4	14.9	2.3
Whitianga	87	60.9	26.4	10.3	2.3
Papamoa	97	38.1	42.3	18.6	1.0
Mount Maunganui	128	38.3	42.2	15.6	3.9
Pukehina	70	38.6	41.4	15.7	4.3
Maketu	20	20.0	65.0	5.0	10.0
Coastlands	48	29.2	52.1	16.7	2.1
Ohope	127	20.5	63.0	15.7	0.8
Wainui	89	32.6	52.8	13.5	1.1
Westshore	115	21.7	42.6	28.7	7.0
Haumoana	44	36.4	45.5	18.2	0
Te Awanga	54	24.1	51.9	20.4	3.7
Riversdale	16	37.5	43.8	18.8	0
Castlepoint	22	45.5	31.8	22.7	0
Akitio	23	30.4	69.6	0	0
Oamaru	67	14.9	35.8	26.9	22.4
Riverton	42	19.0	33.3	35.7	11.9
New Brighton	51	19.6	51.0	19.6	9.8
South Shore	74	17.6	48.6	20.3	13.5
Sumner	48	8.3	56.3	31.3	4.2
Kaikoura	34	23.5	44.1	26.5	5.9
Waitarere	72	22.2	41.7	23.6	12.5
Foxton Beach	74	21.6	41.9	27.0	9.5
Castlecliff	78	24.4	44.9	24.4	6.4
Lyllall Bay	44	45.5	25.0	25.0	4.5
Eastbourne	49	34.7	51.0	12.2	2.0
Seatoun	46	34.8	39.1	26.1	0
Raumati	161	18.0	63.4	15.5	3.1
Te Horo	34	17.6	61.8	17.6	2.9
Oakura	98	19.4	62.2	18.4	0
Milford	78	25.6	47.4	24.4	2.6
Sunny Hills	65	15.4	58.5	21.5	4.6
Sunnybrae	36	0	30.6	52.8	16.7
Tamaki	46	28.3	47.8	19.6	4.3
Torbay	73	45.2	45.2	5.5	4.1
St Clair	124	17.7	40.3	32.3	9.7
Visitors	n	%	%	%	%
Langs Beach	13	15.4	61.5	23.1	0
Waipu Cove	68	63.5	32.4	4.4	0
Omaha	7	42.9	57.1	0	0
Whangamata	31	35.5	51.6	12.9	0
Waihi Beach	21	9.5	71.4	14.3	4.8
Cooks Beach	30	46.7	50.0	3.3	0
Whitianga	51	47.1	45.1	7.8	0
Papamoa	74	43.2	43.2	12.2	1.4
Mount Maunganui	70	32.9	47.1	18.6	1.4
Pukehina	27	25.9	40.7	25.9	7.4
Ohope	90	41.1	48.9	6.7	3.3
Wainui	3	66.7	33.3	0	0
Te Awanga	16	18.8	56.3	25.0	0
New Brighton	9	44.4	33.3	22.2	0
Kaikoura	10	30.0	40.0	30.0	0

Forest or bush fire	n	within the next year	within the next 10 years	within your lifetime	not within your lifetime
Langs Beach	40	2.5	17.5	30.0	50.0
Waipu Cove	8	0	25.0	37.5	37.5
Omaha	93	0	7.5	12.9	79.6
Whangamata	90	2.2	32.2	21.1	44.4
Waihi Beach	100	0	10.0	31.0	59.0
Cooks Beach	77	1.1	15.6	31.2	51.9
Whitianga	81	1.2	22.2	37.0	39.5
Papamoa	93	3.2	15.1	17.2	64.5
Mount Maunganui	110	6.4	20.9	13.6	59.1
Pukehina	63	0	3.2	14.3	82.5
Maketu	18	0	33.3	11.1	55.6
Coastlands	46	6.5	21.7	26.1	45.7
Ohope	110	2.7	16.4	26.4	54.5
Wainui	81	0	4.9	16.0	79.0
Westshore	105	0	2.9	8.6	88.6
Haumoana	40	2.5	2.5	15.0	80.0
Te Awanga	52	0	13.5	13.5	73.1
Riversdale	15	0	13.3	26.7	60.0
Castlepoint	17	11.8	35.3	17.6	35.3
Akitio	23	4.3	43.5	43.5	8.7
Oamaru	71	5.6	18.3	29.6	46.5
Riverton	33	3.0	12.1	27.3	57.6
New Brighton	48	14.6	20.8	16.7	47.9
South Shore	70	7.1	35.7	17.1	40.0
Sumner	48	4.2	14.6	31.3	50.0
Kaikoura	32	0	21.9	34.4	43.8
Waitarere	71	8.5	50.7	31.0	9.9
Foxton Beach	70	8.6	28.6	30.0	32.9
Castlecliff	70	5.7	25.7	28.6	40.0
Lyllall Bay	39	0	20.5	20.5	59.0
Eastbourne	47	27.7	61.7	8.5	2.1
Seatoun	45	2.2	11.1	20.0	66.7
Raumati	149	4.7	19.5	18.1	57.7
Te Horo	33	6.1	15.2	18.2	60.6
Oakura	88	2.3	6.8	21.6	69.3
Milford	67	0	4.5	14.9	80.6
Sunny Hills	56	0	5.4	5.4	89.3
Sunnybrae	34	2.9	41.2	8.8	47.1
Tamaki	45	2.2	2.2	22.2	73.3
Torbay	67	1.5	11.9	17.9	68.7
St Clair	118	1.7	8.5	10.2	79.7
Visitors	n	%	%	%	%
Langs Beach	12	0	16.7	58.3	25.0
Waipu Cove	55	5.5	23.6	30.9	40.0
Omaha	7	0	42.9	14.3	42.9
Whangamata	27	3.7	55.6	22.2	18.5
Waihi Beach	18	0	5.6	38.9	55.6
Cooks Beach	29	3.4	27.6	31.0	37.9
Whitianga	47	4.3	44.7	25.5	25.5
Papamoa	67	3.0	16.4	29.9	50.7
Mount Maunganui	65	7.7	43.1	20.0	29.2
Pukehina	26	3.8	0	19.2	76.9
Ohope	86	3.5	31.4	38.4	26.7
Wainui	3	0	33.3	33.3	33.3
Te Awanga	15	6.7	0	20.0	73.3
New Brighton	9	0	11.1	55.6	33.3
Kaikoura	10	40.0	20.0	10.0	30.0



Earthquake	n	within the next year	within the next 10 years	within your lifetime	not within your lifetime
Langs Beach	40	0	0	15.0	85.0
Waipu Cove	8	0	0	12.5	87.5
Omaha	92	0	2.2	14.1	83.7
Whangamata	89	3.4	13.5	34.8	48.3
Waihi Beach	96	3.1	11.5	37.5	47.9
Cooks Beach	76	1.3	10.5	28.9	59.2
Whitianga	81	1.2	28.4	38.3	32.1
Papamoa	94	6.4	51.1	35.1	7.4
Mount Maunganui	114	7.9	36.0	36.0	20.2
Pukehina	64	7.8	23.4	46.9	21.9
Maketu	18	16.7	44.4	38.9	0
Coastlands	44	9.1	36.4	43.2	11.4
Ohope	113	10.6	40.7	38.9	9.7
Wainui	86	10.5	33.7	41.9	14.0
Westshore	109	10.1	27.5	42.2	20.2
Haumoana	43	16.3	27.9	44.2	11.6
Te Awanga	55	10.9	32.7	45.5	10.9
Riversdale	15	6.7	66.7	20.0	6.7
Castlepoint	18	0	33.3	50.0	16.7
Akitio	23	8.7	34.8	39.1	17.4
Oamaru	70	5.7	25.7	35.7	32.9
Riverton	34	2.9	20.6	17.6	58.8
New Brighton	51	5.9	25.5	47.1	21.6
South Shore	70	1.4	25.7	47.1	25.7
Sumner	48	2.1	31.3	50.0	16.7
Kaikoura	32	9.4	34.4	37.5	18.8
Waitarere	69	15.9	31.9	30.4	21.7
Foxton Beach	71	21.1	25.4	36.6	16.9
Castlecliff	71	15.5	35.2	35.2	14.1
Lyll Bay	43	18.6	41.9	34.9	4.7
Eastbourne	45	4.4	53.3	35.6	6.7
Seatoun	46	17.4	43.5	34.8	4.3
Raumati	156	18.6	40.4	32.7	8.3
Te Horo	34	11.8	41.2	41.2	5.9
Oakura	91	6.6	30.8	42.9	19.8
Milford	70	0	8.6	31.4	60.0
Sunny Hills	58	0	13.8	41.4	44.8
Sunnybrae	34	0	11.8	41.2	47.1
Tamaki	47	0	17.0	27.7	55.3
Torbay	69	1.4	8.7	33.3	56.5
St Clair	118	4.2	25.4	52.5	17.8
Visitors	n	%	%	%	%
Langs Beach	12	0	8.3	33.3	58.3
Waipu Cove	55	0	5.5	21.8	72.7
Omaha	7	0	42.9	14.3	42.9
Whangamata	27	0	15.4	38.5	46.2
Waihi Beach	18	0	38.9	22.2	38.9
Cooks Beach	29	0	13.9	27.6	58.6
Whitianga	46	0	8.7	45.7	45.7
Papamoa	68	2.9	32.4	38.2	26.5
Mount Maunganui	63	0	22.2	47.6	30.2
Pukehina	28	0	50.0	39.3	10.7
Ohope	87	4.6	42.5	41.4	11.5
Wainui	3	66.7	33.3	0	0
Te Awanga	17	5.9	29.4	64.7	0
New Brighton	8	0	25.0	62.5	12.5
Kaikoura	10	0	10.0	60.0	30.0

Volcanic ash fall	n	within the next year	within the next 10 years	within your lifetime	not within your lifetime
Langs Beach	39	0	2.6	7.7	89.7
Waipu Cove	8	0	0	0	100
Omaha	93	0	1.1	3.2	95.7
Whangamata	87	0	3.4	12.6	83.9
Waihi Beach	100	1.0	11.0	19.0	69.0
Cooks Beach	75	0	0	12.0	88.0
Whitianga	80	0	5.0	21.3	73.8
Papamoa	96	2.1	38.5	43.8	15.6
Mount Maunganui	110	1.8	16.4	41.8	40.0
Pukehina	65	1.5	15.4	55.4	27.7
Maketu	19	0	42.1	47.4	10.5
Coastlands	45	4.4	22.2	44.4	31.1
Ohope	114	2.6	21.1	45.6	30.7
Wainui	81	0	13.6	46.9	39.5
Westshore	102	0	16.7	32.4	51.0
Haumoana	40	0	15.0	40.0	45.0
Te Awanga	53	0	3.8	28.3	67.9
Riversdale	15	0	0	13.3	86.7
Castlepoint	16	0	0	12.5	87.5
Akitio	23	0	0	13.0	87.0
Oamaru	70	0	0	4.3	95.7
Riverton	33	0	0	6.1	93.9
New Brighton	48	0	4.2	10.4	85.4
South Shore	72	0	2.8	1.4	95.8
Sumner	48	0	0	6.3	93.8
Kaikoura	32	0	0	9.4	90.6
Waitarere	68	1.5	8.8	23.5	66.2
Foxtoun Beach	69	1.4	11.6	24.6	62.3
Castlecliff	72	0	16.7	37.5	45.8
Lyllall Bay	38	0	5.3	15.8	78.9
Eastbourne	44	0	4.5	15.9	79.5
Seatoun	43	0	7.0	9.3	83.7
Raumati	148	0	2.0	13.5	84.5
Te Horo	33	0	9.1	15.2	75.8
Oakura	90	1.1	2.2	16.7	80.0
Milford	68	0	0	13.2	86.8
Sunny Hills	58	0	8.6	15.5	75.9
Sunnybrae	34	0	5.9	23.5	70.6
Tamaki	52	0	4.4	6.7	88.9
Torbay	67	1.4	8.7	17.9	68.7
St Clair	118	1.7	0.8	5.9	91.5
Visitors	n	%	%	%	%
Langs Beach	12	0	0	0	100.0
Waipu Cove	55	0	0	9.1	90.9
Omaha	7	0	0	28.6	71.4
Whangamata	27	0	7.4	7.4	85.2
Waihi Beach	18	0	5.6	38.9	55.6
Cooks Beach	29	0	0	6.9	93.1
Whitianga	47	0	2.1	17.0	80.9
Papamoa	67	0	16.4	31.3	52.2
Mount Maunganui	61	1.6	11.5	34.3	52.5
Pukehina	27	0	18.5	63.0	18.5
Ohope	87	3.4	16.1	43.7	36.8
Wainui	3	0	33.3	66.7	0
Te Awanga	15	0	13.3	33.3	53.3
New Brighton	9	0	11.1	11.1	77.8
Kaikoura	10	0	0	30.0	70.0

Tsunami	n	within the next year	within the next 10 years	within your lifetime	not within your lifetime
Langs Beach	40	0	7.5	40.0	52.5
Waipu Cove	8	0	0	25.0	75.0
Omaha	94	0	7.4	31.9	60.6
Whangamata	92	1.1	9.8	35.9	53.3
Waihi Beach	105	0	8.6	33.3	58.1
Cooks Beach	81	1.2	13.6	24.7	60.5
Whitianga	79	1.3	15.2	51.9	31.6
Papamoa	94	3.2	22.3	31.9	42.6
Mount Maunganui	115	0.9	8.7	34.8	55.7
Pukehina	64	1.6	1.6	35.9	60.9
Maketu	18	5.6	0	61.1	33.3
Coastlands	46	0	15.2	37.0	47.8
Ohope	115	0	5.2	35.7	59.1
Wainui	87	0	10.3	55.2	34.5
Westshore	107	0	10.3	33.6	56.1
Haumoana	41	0	14.6	56.1	29.3
Te Awanga	52	0	9.6	38.5	51.9
Riversdale	15	0	20.0	53.3	26.7
Castlepoint	17	0	11.8	35.3	52.9
Akitio	23	0	4.3	30.4	65.2
Oamaru	69	0	10.1	37.7	52.2
Riverton	37	0	5.4	32.4	62.2
New Brighton	50	0	10.0	48.0	42.0
South Shore	73	0	9.6	39.7	50.7
Sumner	45	0	15.6	40.0	44.4
Kaikoura	32	0	15.6	43.8	40.6
Waitarere	71	1.4	8.5	26.8	63.4
Foxton Beach	70	1.4	10.0	28.6	60.0
Castlecliff	71	0	5.6	19.7	74.6
Lyllall Bay	38	0	23.7	47.4	28.9
Eastbourne	45	0	11.1	37.8	51.1
Seatoun	45	2.2	20.0	46.7	31.1
Raumati	154	0.6	5.2	34.4	59.7
Te Horo	30	3.3	13.3	23.3	60.0
Oakura	90	1.1	4.4	22.2	72.2
Milford	70	0	2.9	21.4	75.7
Sunny Hills	59	0	5.1	20.3	74.6
Sunnybrae	36	0	8.3	44.4	47.2
Tamaki	46	0	8.7	19.6	71.7
Torbay	68	0	8.8	13.2	77.9
St Clair	123	2.4	17.1	30.1	50.4
Visitors	n	%	%	%	%
Langs Beach	11	0	0	36.4	63.6
Waipu Cove	55	1.8	7.3	30.9	60.0
Omaha	7	0	14.3	14.3	71.4
Whangamata	28	0	21.4	32.1	46.4
Waihi Beach	19	0	10.5	31.6	57.9
Cooks Beach	29	0	6.9	37.9	55.2
Whitianga	46	0	10.9	39.1	50.0
Papamoa	69	0	14.5	33.3	52.2
Mount Maunganui	66	0	13.6	39.4	53.0
Pukehina	26	0	11.5	42.3	46.2
Ohope	87	2.3	9.2	42.5	46.0
Wainui	3	0	0	100.0	0
Te Awanga	15	0	13.3	33.3	53.3
New Brighton	9	0	0	55.6	44.4
Kaikoura	10	0	10.0	60.0	30.0

Coastal erosion	n	within the next year	within the next 10 years	within your lifetime	not within your lifetime
Langs Beach	41	39.0	39.0	14.6	7.3
Waipu Cove	11	63.6	36.4	0	0
Omaha	104	14.4	51.9	26.9	6.7
Whangamata	101	29.7	34.7	18.8	16.8
Waihi Beach	121	39.7	43.0	10.7	6.6
Cooks Beach	88	63.6	22.7	11.4	2.3
Whitianga	91	58.2	34.1	6.6	1.1
Papamoa	99	34.3	38.4	18.2	9.1
Mount Maunganui	124	28.2	44.4	18.5	8.9
Pukehina	70	32.9	30.0	27.1	10.0
Maketu	20	45.0	40.0	5.0	10.0
Coastlands	47	10.6	48.9	23.4	17.0
Ohope	126	18.3	50.8	25.4	5.6
Wainui	95	42.1	33.7	14.7	9.5
Westshore	120	38.3	32.5	23.3	5.8
Haumoana	48	58.3	31.3	8.3	2.1
Te Awanga	56	37.5	32.1	25.0	5.4
Riversdale	16	56.3	31.3	6.3	6.3
Castlepoint	23	60.9	30.4	8.7	0
Akitio	27	55.6	40.7	3.7	0
Oamaru	77	28.6	41.6	20.8	9.1
Riverton	37	18.9	27.0	32.4	21.6
New Brighton	52	34.6	32.7	19.2	13.5
South Shore	77	27.3	48.1	20.8	3.9
Sumner	48	6.3	41.7	33.3	18.8
Kaikoura	32	37.5	28.1	31.3	3.1
Waitarere	70	17.1	28.6	20.0	34.3
Foxton Beach	75	30.7	44.0	21.3	4.0
Castlecliff	78	15.4	37.2	23.1	24.4
Lyllall Bay	40	27.5	27.5	37.5	7.5
Eastbourne	46	21.7	34.8	23.9	19.6
Seatoun	47	21.3	44.7	23.4	10.6
Raumati	165	38.8	44.2	12.7	4.2
Te Horo	35	14.3	20.0	31.4	34.3
Oakura	100	60.0	27.0	11.0	2.0
Milford	75	25.3	29.3	36.0	9.3
Sunny Hills	64	17.2	37.5	32.8	12.5
Sunnybrae	35	42.9	34.3	14.3	8.6
Tamaki	48	37.5	35.4	25.0	2.1
Torbay	74	44.6	39.2	12.2	4.1
St Clair	135	38.5	42.2	14.8	4.4
Visitors	n	%	%	%	%
Langs Beach	13	23.1	46.2	30.8	0
Waipu Cove	68	60.3	30.9	7.4	1.5
Omaha	7	42.9	42.9	14.3	0
Whangamata	32	15.6	65.6	12.5	6.3
Waihi Beach	25	32.0	56.0	12.0	0
Cooks Beach	31	51.6	38.7	6.5	3.2
Whitianga	50	50.0	42.0	8.0	0
Papamoa	74	37.8	43.2	14.9	4.1
Mount Maunganui	69	39.1	29.0	21.7	10.1
Pukehina	28	28.6	35.7	28.6	7.1
Ohope	90	41.1	40.0	14.4	4.4
Wainui	3	66.7	0	33.3	0
Te Awanga	17	47.1	52.9	0	0
New Brighton	10	30.0	40.0	30.0	0
Kaikoura	10	40.0	50.0	0	10.0

Landslide	n	within the next year	within the next 10 years	within your lifetime	not within your lifetime
Langs Beach	40	10.0	40.0	22.5	27.5
Waipu Cove	8	0	12.5	50.0	37.5
Omaha	92	0	6.5	7.6	85.9
Whangamata	90	3.3	12.2	11.1	73.3
Waihi Beach	100	0	9.0	22.0	69.0
Cooks Beach	77	5.2	19.2	10.4	64.9
Whitianga	81	8.6	29.6	11.1	50.6
Papamoa	93	2.2	10.8	16.1	71.0
Mount Maunganui	111	2.7	10.8	9.0	77.5
Pukehina	62	0	4.8	8.1	87.1
Maketu	18	0	50.0	33.3	16.7
Coastlands	46	2.2	6.5	8.7	82.6
Ohope	111	2.7	19.8	31.5	45.9
Wainui	86	5.8	25.6	20.9	47.7
Westshore	111	0.9	5.4	6.3	87.4
Haumoana	39	0	0	17.9	82.1
Te Awanga	52	3.8	11.5	9.6	75.0
Riversdale	15	0	13.3	13.3	73.3
Castlepoint	17	5.9	47.1	23.5	23.5
Akitio	24	8.3	37.5	37.5	16.7
Oamaru	69	7.2	13.0	17.4	62.3
Riverton	34	2.9	0	11.8	85.3
New Brighton	49	0	10.2	10.2	79.6
South Shore	70	2.9	5.7	2.9	88.6
Sumner	48	4.2	27.1	45.8	22.9
Kaikoura	32	15.6	18.8	25.0	40.6
Waitare	68	4.4	2.9	2.9	89.7
Foxton Beach	68	2.9	4.4	13.2	79.4
Castlecliff	70	2.9	15.7	20.0	61.4
Lyllall Bay	39	0	15.4	33.3	51.3
Eastbourne	45	4.4	26.7	28.9	40.0
Seatoun	44	2.3	20.5	15.9	61.4
Raumati	150	2.0	17.3	18.0	62.7
Te Horo	34	0	5.9	0	94.1
Oakura	90	5.6	22.2	24.4	47.8
Milford	69	2.9	29.0	21.7	46.4
Sunny Hills	59	0	23.7	18.6	57.6
Sunnybrae	35	8.6	42.9	42.9	5.7
Tamaki	46	10.9	23.9	17.4	47.8
Torbay	70	17.1	41.4	25.7	15.7
St Clair	120	5.8	15.8	29.2	49.2
Visitors	n	%	%	%	%
Langs Beach	12	8.3	33.3	50.0	8.3
Waipu Cove	54	5.6	33.3	22.2	38.9
Omaha	7	14.3	14.3	28.6	42.9
Whangamata	27	7.4	18.5	29.6	44.4
Waihi Beach	17	5.9	29.4	35.3	29.4
Cooks Beach	30	13.3	33.3	13.3	40.0
Whitianga	48	18.8	37.5	25.0	18.8
Papamoa	66	3.0	10.6	18.2	68.2
Mount Maunganui	63	3.2	20.6	22.2	54.0
Pukehina	27	3.7	18.5	3.7	74.1
Ohope	86	5.8	31.4	30.2	32.6
Wainui	3	0	66.7	33.3	0
Te Awanga	15	0	13.3	0	86.7
New Brighton	9	0	22.2	22.2	55.6
Kaikoura	10	10.0	40.0	30.0	20.0

**Table 5** Has the respondent ever (a) personally experienced any of the following natural hazard events in the past, and (b) if they have, did they experience loss or damage as a result?

Flooding (river or sea)	n	personally experienced	experience loss or damage
Langs Beach	43	32.6	2.3
Waipu Cove	11	36.4	9.1
Omaha	107	25.2	11.2
Whangamata	111	25.2	4.5
Waihi Beach	125	23.2	1.6
Cooks Beach	93	45.2	17.2
Whitianga	94	59.6	14.9
Papamoa	103	24.3	7.8
Mount Maunganui	135	14.1	7.4
Pukehina	73	19.2	1.4
Maketu	22	27.3	9.1
Coastlands	50	26.0	10.0
Ohope	134	28.4	8.2
Wainui	97	22.7	13.4
Westshore	126	23.0	9.5
Haumoana	49	64.9	22.4
Te Awanga	57	67.9	24.6
Riversdale	17	29.4	5.9
Castlepoint	23	34.8	8.7
Akitio	27	48.1	7.4
Oamaru	80	35.0	6.3
Riverton	48	41.7	16.7
New Brighton	56	28.6	0
South Shore	78	46.2	15.4
Sumner	52	40.4	13.5
Kaikoura	36	69.4	22.2
Waitarere	79	22.8	6.3
Foxton Beach	77	23.4	5.2
Castlecliff	81	13.6	6.2
Lyll Bay	45	17.8	2.2
Eastbourne	50	36.0	8.0
Seatoun	48	27.1	12.5
Raumati	167	21.6	6.0
Te Horo	40	47.5	7.5
Oakura	104	31.7	13.5
Milford	80	32.5	13.8
Sunny Hills	71	39.4	12.7
Sunnybrae	37	54.1	10.8
Tamaki	52	32.7	9.6
Torbay	78	32.1	14.1
St Clair	138	29.7	7.2
Visitors	n	%	%
Langs Beach	13	46.2	7.7
Waipu Cove	71	28.2	8.5
Omaha	7	28.6	0
Whangamata	35	54.3	20.0
Waihi Beach	25	56.0	28.0
Cooks Beach	32	81.3	18.8
Whitianga	52	63.5	26.9
Papamoa	77	37.7	14.3
Mount Maunganui	75	34.7	9.3
Pukehina	31	16.1	0
Ohope	91	39.6	9.9
Wainui	4	25.0	25.0
Te Awanga	20	75.0	30.0
New Brighton	10	20.0	0
Kaikoura	10	60.0	10.0

Storm or cyclone with high winds	n	personally experienced	experience loss or damage
Langs Beach	43	74.4	34.9
Waipu Cove	11	54.5	18.2
Omaha	107	62.6	23.4
Whangamata	111	65.8	27.0
Waihi Beach	125	58.4	17.6
Cooks Beach	93	60.2	20.4
Whitianga	94	72.3	21.3
Papamoa	103	63.1	21.4
Mount Maunganui	135	59.3	31.1
Pukehina	73	68.5	19.2
Maketu	22	45.5	13.6
Coastlands	50	64.0	34.0
Ohope	134	65.7	22.4
Wainui	97	73.2	27.8
Westshore	126	52.4	17.5
Haumoana	49	46.9	14.3
Te Awanga	57	43.9	21.1
Riversdale	17	29.4	23.5
Castlepoint	23	60.9	34.8
Akitio	27	51.9	7.4
Oamaru	80	31.3	10.0
Riverton	48	39.6	22.9
New Brighton	56	33.9	8.9
South Shore	78	55.1	33.3
Sumner	52	42.3	23.1
Kaikoura	36	75.0	33.3
Waitarere	79	46.8	17.7
Foxton Beach	77	37.7	16.9
Castlecliff	81	46.9	18.5
Lyll Bay	45	57.8	17.8
Eastbourne	50	72.0	28.0
Seatoun	48	60.4	31.3
Raumati	167	55.1	24.0
Te Horo	40	50.0	10.0
Oakura	104	72.1	43.3
Milford	80	70.0	22.5
Sunny Hills	71	63.4	21.1
Sunnybrae	37	56.8	21.6
Tamaki	52	59.6	21.2
Torbay	78	67.9	34.6
St Clair	138	34.1	13.8
Visitors	n	%	%
Langs Beach	13	69.2	23.1
Waipu Cove	71	78.9	43.7
Omaha	7	57.1	14.3
Whangamata	35	77.1	34.3
Waihi Beach	25	36.0	20.0
Cooks Beach	32	71.9	9.4
Whitianga	52	65.4	26.9
Papamoa	77	72.7	29.9
Mount Maunganui	75	62.7	24.0
Pukehina	31	41.9	16.1
Ohope	91	65.9	17.6
Wainui	4	75.0	50.0
Te Awanga	20	35.0	5.0
New Brighton	10	50.0	30.0
Kaikoura	10	50.0	10.0

Forest or bush fire	n	personally experienced	experience loss or damage
Langs Beach	43	9.3	0
Waipu Cove	11	0	0
Omaha	107	1.9	0.9
Whangamata	111	8.1	0
Waihi Beach	125	6.4	0.8
Cooks Beach	93	14.0	0
Whitianga	94	4.3	0
Papamoa	103	5.8	0
Mount Maunganui	135	7.4	0.7
Pukehina	73	11.0	0
Maketu	22	4.5	0
Coastlands	50	10.0	2.0
Ohope	134	4.5	1.5
Wainui	97	5.2	1.0
Westshore	126	5.6	0.8
Haumoana	49	4.1	0
Te Awanga	57	3.5	1.8
Riversdale	17	5.9	5.9
Castlepoint	23	13.0	0
Akitio	27	11.1	3.7
Oamaru	80	10.0	0
Riverton	48	2.1	0
New Brighton	56	12.5	1.8
South Shore	78	16.7	0
Sumner	52	1.9	1.9
Kaikoura	36	13.9	0
Waitarere	79	12.7	2.5
Foxton Beach	77	9.1	3.9
Castlecliff	81	12.3	0
Lyll Bay	45	2.2	0
Eastbourne	50	46.0	0
Seatoun	48	6.3	2.1
Raumati	167	5.4	1.8
Te Horo	40	5.0	0
Oakura	104	6.7	0
Milford	80	12.5	2.5
Sunny Hills	71	15.5	2.8
Sunnybrae	37	16.2	2.7
Tamaki	52	5.8	0
Torbay	78	15.4	1.3
St Clair	138	8.0	2.9
Visitors	n	%	%
Langs Beach	13	15.4	0
Waipu Cove	71	9.9	1.4
Omaha	7	0	0
Whangamata	35	11.4	0
Waihi Beach	25	0	0
Cooks Beach	32	9.4	0
Whitianga	52	11.5	0
Papamoa	77	10.4	1.3
Mount Maunganui	75	16.0	0
Pukehina	31	12.9	0
Ohope	91	6.6	1.1
Wainui	4	25.0	0
Te Awanga	20	0	5.0
New Brighton	10	0	0
Kaikoura	10	30.0	0



Earthquake	n	personally experienced	experience loss or damage
Langs Beach	43	14.0	0
Waipu Cove	11	9.1	0
Omaha	107	18.7	2.8
Whangamata	111	24.3	7.2
Waihi Beach	125	25.6	3.2
Cooks Beach	93	17.2	3.2
Whitianga	94	34.0	2.1
Papamoa	103	51.5	12.6
Mount Maunganui	135	37.0	3.7
Pukehina	73	56.2	5.5
Maketu	22	59.1	9.1
Coastlands	50	72.0	38.0
Ohope	134	75.4	38.1
Wainui	97	53.6	16.5
Westshore	126	54.8	14.3
Haumoana	49	44.9	10.2
Te Awanga	57	40.4	7.0
Riversdale	17	35.3	11.8
Castlepoint	23	52.2	8.7
Akitio	27	44.4	25.9
Oamaru	80	37.5	3.8
Riverton	48	22.9	2.1
New Brighton	56	35.7	8.9
South Shore	78	37.2	1.3
Sumner	52	32.7	3.8
Kaikoura	36	33.3	5.6
Waitarere	79	51.9	10.1
Foxton Beach	77	50.6	9.1
Castlecliff	81	44.4	7.4
Lyll Bay	45	55.6	8.9
Eastbourne	50	62.0	4.0
Seatoun	48	45.8	8.3
Raumati	167	58.1	10.8
Te Horo	40	50.0	2.5
Oakura	104	44.2	1.0
Milford	80	47.5	2.5
Sunny Hills	71	38.0	5.6
Sunnybrae	37	48.6	8.1
Tamaki	52	36.5	3.8
Torbay	78	38.5	5.1
St Clair	138	51.4	8.7
Visitors	n	%	%
Langs Beach	13	38.5	0
Waipu Cove	71	21.1	2.8
Omaha	7	28.6	0
Whangamata	35	22.9	2.9
Waihi Beach	25	8.0	0
Cooks Beach	32	31.3	3.1
Whitianga	52	21.2	3.8
Papamoa	77	54.5	6.5
Mount Maunganui	75	40.0	6.7
Pukehina	31	32.3	12.9
Ohope	91	57.1	7.7
Wainui	4	75.0	25.0
Te Awanga	20	35.0	5.0
New Brighton	10	60.0	0
Kaikoura	10	40.0	0

Volcanic ash fall	n	personally experienced	experience loss or damage
Langs Beach	43	7.0	0
Waipu Cove	11	18.2	0
Omaha	107	5.6	1.9
Whangamata	111	8.1	1.8
Waihi Beach	125	11.2	0.8
Cooks Beach	93	7.5	3.2
Whitianga	94	6.4	1.1
Papamoa	103	57.3	10.7
Mount Maunganui	135	28.9	4.4
Pukehina	73	43.8	2.7
Maketu	22	63.6	13.6
Coastlands	50	38.0	2.0
Ohope	134	26.1	3.0
Wainui	97	43.3	10.3
Westshore	126	29.4	1.6
Haumoana	49	34.7	0
Te Awanga	57	17.5	1.8
Riversdale	17	11.8	0
Castlepoint	23	8.7	0
Akitio	27	0	3.7
Oamaru	80	3.8	2.5
Riverton	48	0	0
New Brighton	56	7.1	1.8
South Shore	78	0	0
Sumner	52	1.9	1.9
Kaikoura	36	2.8	0
Waitarere	79	8.9	1.3
Foxton Beach	77	15.6	2.6
Castlecliff	81	19.8	3.7
Lyll Bay	45	6.7	0
Eastbourne	50	4.0	2.0
Seatoun	48	12.5	0
Raumati	167	6.0	0
Te Horo	40	10.0	2.5
Oakura	104	9.6	0
Milford	80	6.3	1.3
Sunny Hills	71	5.6	1.4
Sunnybrae	37	8.1	2.7
Tamaki	52	15.4	1.9
Torbay	78	5.1	1.3
St Clair	138	1.4	2.9
Visitors	n	%	%
Langs Beach	13	0	0
Waipu Cove	71	5.6	2.8
Omaha	7	28.6	0
Whangamata	35	5.7	0
Waihi Beach	25	4.0	0
Cooks Beach	32	6.3	3.1
Whitianga	52	5.8	0
Papamoa	77	28.6	5.2
Mount Maunganui	75	29.3	2.7
Pukehina	31	38.7	12.9
Ohope	91	22.0	2.2
Wainui	4	25.0	25.0
Te Awanga	20	5.0	0
New Brighton	10	10.0	10.0
Kaikoura	10	0	0

Tsunami	n	personally experienced	experience loss or damage
Langs Beach	43	2.3	0
Waipu Cove	11	0	0
Omaha	107	0	0.9
Whangamata	111	3.6	0.9
Waihi Beach	125	1.6	0
Cooks Beach	93	5.4	2.2
Whitianga	94	7.4	0
Papamoa	103	0	0
Mount Maunganui	135	0.7	0.7
Pukehina	73	0	1.4
Maketu	22	0	0
Coastlands	50	2.0	2.0
Ohope	134	1.5	0.7
Wainui	97	7.2	0
Westshore	126	4.0	0.8
Haumoana	49	0	0
Te Awanga	57	1.8	1.8
Riversdale	17	0	0
Castlepoint	23	0	0
Akitio	27	0	0
Oamaru	80	2.5	1.3
Riverton	48	4.2	0
New Brighton	56	1.8	0
South Shore	78	2.6	0
Sumner	52	1.9	3.8
Kaikoura	36	5.6	2.8
Waitarere	79	1.3	0
Foxton Beach	77	0	2.6
Castlecliff	81	2.5	0
Lyllall Bay	45	2.2	0
Eastbourne	50	0	2.0
Seatoun	48	0	0
Raumati	167	0	0
Te Horo	40	5.0	0
Oakura	104	1.0	0
Milford	80	3.8	1.3
Sunny Hills	71	1.4	1.4
Sunnybrae	37	5.4	0
Tamaki	52	5.8	0
Torbay	78	3.8	0
St Clair	138	0	0.7
Visitors	n	%	%
Langs Beach	13	0	0
Waipu Cove	71	1.4	1.4
Omaha	7	0	0
Whangamata	35	2.9	0
Waihi Beach	25	0	0
Cooks Beach	32	0	0
Whitianga	52	3.8	1.9
Papamoa	77	1.3	0
Mount Maunganui	75	1.3	0
Pukehina	31	9.7	0
Ohope	91	0	0
Wainui	4	25.0	0
Te Awanga	20	0	0
New Brighton	10	0	0
Kaikoura	10	0	0

Coastal erosion	n	personally experienced	experience loss or damage
Langs Beach	43	39.5	7.0
Waipu Cove	11	45.5	0
Omaha	107	33.6	7.5
Whangamata	111	32.4	3.6
Waihi Beach	125	39.2	8.0
Cooks Beach	93	37.6	6.5
Whitianga	94	40.4	3.2
Papamoa	103	33.0	0
Mount Maunganui	135	37.8	3.7
Pukehina	73	34.2	2.7
Maketu	22	13.6	9.1
Coastlands	50	24.0	2.0
Ohope	134	45.5	7.5
Wainui	97	58.8	18.6
Westshore	126	44.4	1.6
Haumoana	49	67.3	12.2
Te Awanga	57	38.6	10.5
Riversdale	17	52.9	17.6
Castlepoint	23	60.9	4.3
Akitio	27	55.6	3.7
Oamaru	80	30.0	1.3
Riverton	48	12.5	2.1
New Brighton	56	28.6	0
South Shore	78	44.9	2.6
Sumner	52	13.5	1.9
Kaikoura	36	36.1	2.8
Waitarere	79	15.2	2.5
Foxton Beach	77	19.5	3.9
Castlecliff	81	14.8	0
Lyll Bay	45	20.0	0
Eastbourne	50	22.0	2.0
Seatoun	48	31.3	0
Raumati	167	46.7	16.2
Te Horo	40	12.5	2.5
Oakura	104	49.0	11.5
Milford	80	31.3	3.8
Sunny Hills	71	29.6	7.0
Sunnybrae	37	27.0	2.7
Tamaki	52	32.7	3.8
Torbay	78	33.3	6.4
St Clair	138	41.3	2.9
Visitors	n	%	%
Langs Beach	13	38.5	0
Waipu Cove	71	49.3	5.6
Omaha	7	42.9	0
Whangamata	35	22.9	0
Waihi Beach	25	12.0	0
Cooks Beach	32	40.6	6.3
Whitianga	52	36.5	1.9
Papamoa	77	39.0	1.3
Mount Maunganui	75	30.7	2.7
Pukehina	31	29.0	3.2
Ohope	91	26.4	1.1
Wainui	4	50.0	0
Te Awanga	20	25.0	5.0
New Brighton	10	10.0	0
Kaikoura	10	10.0	0

Landslide	n	personally experienced	experience loss or damage
Langs Beach	43	32.6	16.3
Waipu Cove	11	9.1	0
Omaha	107	2.8	0.9
Whangamata	111	4.5	0.9
Waihi Beach	125	5.6	0.8
Cooks Beach	93	11.8	2.2
Whitianga	94	17.0	2.1
Papamoa	103	5.8	1.9
Mount Maunganui	135	3.7	1.5
Pukehina	73	4.1	0
Maketu	22	9.1	9.1
Coastlands	50	4.0	2.0
Ohope	134	11.2	4.5
Wainui	97	9.3	1.0
Westshore	126	4.0	0.8
Haumoana	49	4.1	2.0
Te Awanga	57	8.8	1.8
Riversdale	17	5.9	5.9
Castlepoint	23	21.7	8.7
Akitio	27	22.2	7.4
Oamaru	80	6.3	1.3
Riverton	48	0	0
New Brighton	56	3.6	1.8
South Shore	78	5.1	1.3
Sumner	52	11.5	3.8
Kaikoura	36	19.4	2.8
Waitarere	79	7.6	3.8
Foxton Beach	77	6.5	2.6
Castlecliff	81	4.9	1.2
Lyll Bay	45	8.9	2.2
Eastbourne	50	16.0	4.0
Seatoun	48	12.5	2.1
Raumati	167	5.4	1.8
Te Horo	40	0	0
Oakura	104	10.6	1.9
Milford	80	17.5	6.3
Sunny Hills	71	14.1	4.2
Sunnybrae	37	16.2	0
Tamaki	52	15.4	0
Torbay	78	19.2	2.6
St Clair	138	9.4	3.6
Visitors	n	%	%
Langs Beach	13	23.1	0
Waipu Cove	71	9.9	4.2
Omaha	7	0	0
Whangamata	35	8.6	2.9
Waihi Beach	25	4.0	0
Cooks Beach	32	12.5	3.1
Whitianga	52	19.2	7.7
Papamoa	77	13.0	0
Mount Maunganui	75	14.7	2.7
Pukehina	31	16.1	3.2
Ohope	91	8.8	3.3
Wainui	4	0	0
Te Awanga	20	5.0	0
New Brighton	10	0	0
Kaikoura	10	10.0	0

## 4.0 COASTAL EROSION

Coastal erosion is common around New Zealand's coastline, but is most noticeable and causes problems when human-made structures are threatened.

**Table 6** For each statement, the mean is of all responses to this question on a scale from 1 (Not at all) to 5 (A great deal).

a) The respondent thinks about coastal erosion

	n	Mean	Standard Deviation
Langs Beach	41	3.27	1.162
Waipu Cove	10	3.50	0.707
Omaha	104	3.08	1.103
Whangamata	101	3.25	0.984
Waihi Beach	120	3.53	1.084
Cooks Beach	93	3.47	1.212
Whitianga	91	3.36	1.049
Papamoa	98	3.27	1.031
Mount Maunganui	126	3.30	1.030
Pukehina	67	3.58	1.075
Maketu	22	3.68	0.894
Coastlands	48	2.65	1.041
Ohope	128	3.26	1.014
Wainui	95	3.44	0.964
Westshore	120	3.67	1.118
Haumoana	47	3.91	0.996
Te Awanga	56	3.57	1.263
Riversdale	14	3.14	0.663
Castlepoint	22	3.82	0.958
Akitio	27	4.59	0.636
Oamaru	73	3.08	1.127
Riverton	43	2.23	1.020
New Brighton	52	2.67	1.150
South Shore	73	3.12	1.142
Sumner	49	2.63	1.185
Kaikoura	33	2.73	1.069
Waitarere	75	3.27	1.256
Foxton Beach	74	3.53	1.185
Castlecliff	78	3.36	1.238
Lyall Bay	43	2.79	1.036
Eastbourne	48	2.42	1.217
Seatoun	44	2.68	1.073
Raumati	164	3.52	1.030
Te Horo	39	2.90	0.995
Oakura	98	3.70	1.017
Milford	79	2.78	1.094
Sunny Hills	70	2.57	1.137
Sunnybrae	37	2.68	1.056
Tamaki	49	3.06	1.232
Torbay	72	3.18	1.142
St Clair	132	3.14	1.224

Visitors	n	Mean	Standard Deviation
Langs Beach	11	2.82	1.168
Waipu Cove	65	3.77	0.915
Omaha	7	2.86	0.900
Whangamata	34	2.68	1.093
Waihi Beach	24	3.12	1.262
Cooks Beach	31	3.19	0.946
Whitianga	52	3.04	1.084
Papamoa	74	2.91	1.036
Mount Maunganui	70	2.80	1.150
Pukehina	29	3.31	1.228
Ohope	88	2.82	1.130
Wainui	3	4.33	0.577
Te Awanga	18	2.67	1.237
New Brighton	10	2.30	1.337
Kaikoura	10	2.40	1.174

b) The respondent talks about coastal erosion

	n	Mean	Standard Deviation
Langs Beach	40	2.80	1.067
Waipu Cove	9	2.78	0.833
Omaha	100	2.50	1.059
Whangamata	100	2.85	1.095
Waihi Beach	115	3.16	1.144
Cooks Beach	91	3.21	1.111
Whitianga	86	2.97	1.011
Papamoa	94	2.78	1.147
Mount Maunganui	119	2.76	1.049
Pukehina	67	3.04	1.036
Maketu	20	3.15	1.040
Coastlands	48	2.29	0.967
Ohope	125	2.66	1.070
Wainui	93	3.17	0.963
Westshore	119	3.31	1.191
Haumoana	44	3.52	1.045
Te Awanga	54	3.43	1.191
Riversdale	42	1.67	0.902
Castlepoint	21	3.14	1.014
Akitio	27	4.22	0.892
Oamaru	62	2.52	1.264
Riverton	42	1.67	0.902
New Brighton	49	2.20	1.118
South Shore	71	2.56	1.143
Sumner	44	2.14	1.193
Kaikoura	31	2.55	1.028
Waitarere	75	2.88	1.304
Foxton Beach	69	3.01	1.323
Castlecliff	74	2.86	1.317
Lyll Bay	40	2.79	1.036
Eastbourne	45	2.11	1.071
Seatoun	43	2.00	1.091
Raumati	159	3.01	1.091
Te Horo	37	2.54	0.989
Oakura	99	3.21	1.062
Milford	75	2.28	1.134
Sunny Hills	66	2.00	1.123
Sunnybrae	34	1.85	0.744
Tamaki	48	2.58	1.217
Torbay	73	2.58	1.117
St Clair	127	2.67	1.209

Visitors	n	Mean	Standard Deviation
Langs Beach	12	2.25	1.288
Waipu Cove	67	3.12	1.162
Omaha	6	2.50	1.049
Whangamata	32	2.12	1.070
Waihi Beach	24	2.63	1.056
Cooks Beach	30	2.60	1.102
Whitianga	50	2.50	1.015
Papamoa	74	2.34	0.997
Mount Maunganui	66	2.29	1.160
Pukehina	28	2.96	1.374
Ohope	88	2.19	0.933
Wainui	3	4.33	0.577
Te Awanga	16	1.81	1.167
New Brighton	9	1.67	0.866
Kaikoura	9	1.67	0.866



c) The respondent gets information on coastal erosion

	n	Mean	Standard Deviation
Langs Beach	38	1.82	1.111
Waipu Cove	9	2.00	1.000
Omaha	96	1.99	1.071
Whangamata	96	2.66	1.352
Waihi Beach	106	2.65	1.265
Cooks Beach	84	2.21	1.223
Whitianga	82	2.23	1.147
Papamoa	91	2.11	1.100
Mount Maunganui	116	2.23	1.182
Pukehina	66	2.58	1.068
Maketu	18	2.56	1.097
Coastlands	46	2.02	1.164
Ohope	122	2.48	1.208
Wainui	90	2.73	1.197
Westshore	114	2.86	1.444
Haumoana	40	2.50	1.301
Te Awanga	51	2.71	1.254
Riversdale	13	2.46	1.127
Castlepoint	21	2.38	1.431
Akitio	26	3.12	1.275
Oamaru	57	1.54	0.888
Riverton	42	1.31	0.643
New Brighton	49	1.61	0.931
South Shore	68	2.12	1.240
Sumner	44	1.57	0.818
Kaikoura	26	1.73	0.919
Waitarere	71	2.27	1.230
Foxton Beach	69	2.33	1.256
Castlecliff	71	2.28	1.233
Lyll Bay	38	1.68	1.118
Eastbourne	48	1.45	0.670
Seatoun	40	1.58	0.781
Raumati	154	2.56	1.188
Te Horo	35	2.06	0.968
Oakura	91	2.43	1.175
Milford	71	1.59	0.950
Sunny Hills	64	1.44	0.833
Sunnybrae	33	1.30	0.529
Tamaki	46	1.67	0.990
Torbay	65	1.83	1.009
St Clair	119	2.18	1.235

Visitors	n	Mean	Standard Deviation
Langs Beach	11	1.36	0.505
Waipu Cove	58	1.81	1.100
Omaha	7	1.86	1.069
Whangamata	33	1.42	0.830
Waihi Beach	21	1.52	0.750
Cooks Beach	29	1.76	1.023
Whitianga	49	1.69	0.918
Papamoa	71	1.92	1.052
Mount Maunganui	64	1.55	0.853
Pukehina	27	2.56	1.423
Ohope	86	1.57	0.875
Wainui	3	3.67	1.528
Te Awanga	19	2.53	1.504
New Brighton	9	1.33	0.707
Kaikoura	9	1.44	0.726

d) The respondent thinks coastal erosion could pose a threat to their daily activities (such as work, leisure or property)

	n	Mean	Standard Deviation
Langs Beach	41	2.37	1.220
Waipu Cove	10	2.60	1.578
Omaha	99	2.42	1.205
Whangamata	101	2.50	1.309
Waihi Beach	115	2.57	1.409
Cooks Beach	90	2.62	1.370
Whitianga	81	2.67	1.369
Papamoa	92	2.66	1.320
Mount Maunganui	120	2.44	1.249
Pukehina	66	2.82	1.413
Maketu	20	3.05	1.317
Coastlands	47	2.49	1.214
Ohope	128	2.73	1.189
Wainui	93	2.71	1.403
Westshore	121	3.24	1.455
Haumoana	46	3.52	1.346
Te Awanga	54	3.19	1.347
Riversdale	16	3.25	1.291
Castlepoint	22	2.77	1.412
Akitio	27	4.41	0.797
Oamaru	66	2.32	1.291
Riverton	44	1.84	1.140
New Brighton	50	2.50	1.344
South Shore	73	2.79	1.343
Sumner	45	2.62	1.319
Kaikoura	30	2.67	1.295
Waitarere	75	2.68	1.387
Foxton Beach	72	2.78	1.366
Castlecliff	75	2.48	1.319
Lyll Bay	40	2.38	1.102
Eastbourne	46	2.20	1.067
Seatoun	44	2.59	1.300
Raumati	159	3.17	1.289
Te Horo	37	2.19	1.151
Oakura	94	3.02	1.344
Milford	74	2.27	1.114
Sunny Hills	68	2.34	1.229
Sunnybrae	36	2.17	1.231
Tamaki	46	2.76	1.401
Torbay	71	2.51	1.297
St Clair	126	3.01	1.411

Visitors	n	Mean	Standard Deviation
Langs Beach	11	2.00	1.342
Waipu Cove	65	3.18	1.424
Omaha	7	1.43	0.787
Whangamata	32	2.34	1.473
Waihi Beach	23	2.65	1.369
Cooks Beach	30	2.33	1.241
Whitianga	50	2.24	1.238
Papamoa	73	2.25	1.188
Mount Maunganui	66	2.26	1.351
Pukehina	26	2.54	1.174
Ohope	90	2.38	1.320
Wainui	3	2.67	1.528
Te Awanga	20	3.60	1.667
New Brighton	10	2.20	1.229
Kaikoura	10	1.60	0.843

**Table 7** To what extent does the respondent agree that: (For each statement, the mean is of all responses to this question on a scale from 1 (Strongly agree) to 5 (Strongly disagree))

a) Coastal erosion is unlikely to be a problem in the respondent's area in their lifetime

	n	Mean	Standard Deviation
Langs Beach	42	3.36	1.428
Waipu Cove	10	3.80	1.549
Omaha	106	3.68	1.246
Whangamata	105	3.48	1.345
Waihi Beach	121	4.03	1.264
Cooks Beach	93	4.11	1.323
Whitianga	91	4.45	1.014
Papamoa	100	3.63	1.433
Mount Maunganui	126	3.41	1.427
Pukehina	69	3.61	1.396
Maketu	19	4.47	0.905
Coastlands	50	3.14	1.246
Ohope	131	3.51	1.372
Wainui	94	3.76	1.427
Westshore	124	3.97	1.396
Haumoana	48	4.11	1.286
Te Awanga	55	3.97	1.395
Riversdale	16	3.94	0.998
Castlepoint	22	4.05	1.327
Akitio	27	4.37	1.275
Oamaru	75	3.65	1.409
Riverton	44	2.61	1.466
New Brighton	55	3.40	1.523
South Shore	76	3.76	1.345
Sumner	47	3.47	1.158
Kaikoura	36	3.64	1.457
Waitarere	79	2.72	1.476
Foxton Beach	74	3.35	1.389
Castlecliff	79	3.03	1.467
Lyll Bay	42	3.67	1.243
Eastbourne	50	3.12	1.380
Seatoun	46	3.07	1.373
Raumati	164	3.96	1.298
Te Horo	39	2.69	1.454
Oakura	100	4.27	1.171
Milford	79	3.52	1.357
Sunny Hills	69	2.83	1.361
Sunnybrae	36	3.39	1.358
Tamaki	50	3.46	1.358
Torbay	76	3.67	1.370
St Clair	134	4.17	2.843
Visitors	n	Mean	Standard Deviation
Langs Beach	12	3.25	1.422
Waipu Cove	68	4.09	1.379
Omaha	7	4.43	0.535
Whangamata	34	3.56	1.501
Waihi Beach	25	3.88	1.301
Cooks Beach	31	3.71	1.465
Whitianga	52	4.06	1.127
Papamoa	76	3.72	1.333
Mount Maunganui	71	3.72	1.354
Pukehina	29	3.14	1.552
Ohope	91	3.57	1.423
Wainui	3	5.00	0.000
Te Awanga	20	4.45	1.050
New Brighton	10	3.30	1.636
Kaikoura	10	3.50	0.972

b) The respondent's local beach will never be damaged by coastal erosion

	n	Mean	Standard Deviation
Langs Beach	40	4.20	1.114
Waipu Cove	11	4.55	0.688
Omaha	104	4.24	1.038
Whangamata	106	4.11	1.182
Waihi Beach	119	4.44	1.014
Cooks Beach	93	4.55	0.866
Whitianga	86	4.92	0.315
Papamoa	98	4.21	1.186
Mount Maunganui	123	4.05	1.214
Pukehina	67	4.34	0.897
Maketu	22	4.50	1.012
Coastlands	49	3.90	1.295
Ohope	129	4.27	1.088
Wainui	92	4.18	1.266
Westshore	125	4.60	0.871
Haumoana	48	4.92	0.347
Te Awanga	55	4.60	0.830
Riversdale	16	4.38	1.088
Castlepoint	23	4.65	0.885
Akitio	26	4.54	1.067
Oamaru	71	4.44	0.996
Riverton	43	3.16	1.495
New Brighton	53	4.19	1.194
South Shore	74	4.27	1.102
Sumner	49	3.96	1.258
Kaikoura	34	4.26	1.163
Waitarere	78	3.26	1.343
Foxton Beach	72	3.96	1.261
Castlecliff	77	3.77	1.395
Lyll Bay	44	3.80	1.357
Eastbourne	48	3.83	1.310
Seatoun	45	4.02	1.118
Raumati	165	4.54	0.947
Te Horo	38	3.53	1.390
Oakura	101	4.64	0.782
Milford	79	4.14	0.916
Sunny Hills	68	3.34	1.288
Sunnybrae	36	3.86	1.268
Tamaki	48	4.06	1.119
Torbay	74	4.32	1.035
St Clair	130	4.59	0.895
Visitors	n	Mean	Standard Deviation
Langs Beach	12	3.92	1.165
Waipu Cove	68	3.12	1.162
Omaha	7	4.71	0.488
Whangamata	34	4.38	0.985
Waihi Beach	23	4.43	1.037
Cooks Beach	31	4.45	0.995
Whitianga	51	4.43	0.781
Papamoa	74	4.05	1.313
Mount Maunganui	72	4.08	1.242
Pukehina	30	3.90	1.296
Ohope	91	4.38	0.986
Wainui	3	5.00	0.000
Te Awanga	20	4.00	1.214
New Brighton	10	4.40	1.350
Kaikoura	10	4.10	1.287

c) The respondent's property will never be damaged by coastal erosion

	n	Mean	Standard Deviation
Langs Beach	40	2.25	1.276
Waipu Cove	10	2.50	1.841
Omaha	107	2.83	1.520
Whangamata	108	2.68	1.400
Waihi Beach	122	2.98	1.457
Cooks Beach	93	2.84	1.296
Whitianga	85	2.80	1.438
Papamoa	99	2.76	1.318
Mount Maunganui	124	2.97	1.229
Pukehina	66	3.29	1.237
Maketu	20	3.50	1.504
Coastlands	50	2.58	1.230
Ohope	128	3.22	1.190
Wainui	94	3.04	1.343
Westshore	124	3.51	1.285
Haumoana	48	3.67	1.478
Te Awanga	56	3.27	1.471
Riversdale	16	3.50	1.211
Castlepoint	23	3.43	1.409
Akitio	27	3.89	1.450
Oamaru	74	2.85	1.321
Riverton	45	2.07	1.421
New Brighton	53	2.91	1.334
South Shore	75	3.32	0.781
Sumner	50	2.88	1.335
Kaikoura	34	2.82	1.466
Waitarere	78	2.63	1.280
Foxton Beach	73	2.73	1.336
Castlecliff	78	2.71	1.397
Lyll Bay	44	3.05	1.140
Eastbourne	48	3.04	1.220
Seatoun	45	2.62	1.154
Raumati	166	3.47	1.315
Te Horo	37	2.62	1.401
Oakura	101	2.82	1.545
Milford	77	2.38	1.377
Sunny Hills	69	2.30	1.417
Sunnybrae	37	1.43	0.987
Tamaki	47	2.77	1.507
Torbay	74	2.50	1.528
St Clair	132	3.03	1.376

**Table 8** Global warming is expected to cause sea-level rise. Does the respondent think this will ever affect their property (or if 'visitor', the property where they are staying)?

	n	never	Not in the next 100 yrs	Not in the next 50 yrs	Not in the next 20 yrs
Langs Beach	42	28.6	28.6	11.9	31.0
Waipu Cove	11	54.5	9.1	9.1	27.3
Omaha	104	8.7	23.1	26.9	41.3
Whangamata	106	12.3	29.2	34.9	23.6
Waihi Beach	119	13.4	22.7	24.4	39.5
Cooks Beach	89	14.6	21.3	19.1	44.9
Whitianga	92	9.8	16.3	26.1	47.8
Papamoa	98	8.2	21.4	31.6	38.8
Mount Maunganui	127	10.2	15.7	37.0	37.0
Pukehina	68	4.4	13.2	35.3	47.1
Maketu	19	31.6	15.8	5.3	47.4
Coastlands	50	16.0	26.0	32.0	26.0
Ohope	128	5.5	19.5	35.2	39.8
Wainui	91	6.3	23.1	30.8	39.6
Westshore	121	7.4	18.2	23.1	51.2
Haumoana	41	9.8	12.2	19.5	58.5
Te Awanga	51	3.9	13.7	27.5	54.9
Riversdale	16	6.3	25.0	50.0	18.8
Castlepoint	20	15.0	10.0	20.0	55.0
Akitio	22	9.1	0	22.7	68.2
Oamaru	76	3.9	19.7	34.2	42.1
Riverton	46	39.1	21.7	15.2	23.9
New Brighton	56	12.0	14.0	24.0	50.0
South Shore	78	2.6	11.5	37.2	48.7
Sumner	46	4.3	13.0	32.6	50.0
Kaikoura	35	28.6	14.3	14.3	42.9
Waitarere	76	14.5	23.7	27.6	34.2
Foxton Beach	73	17.8	26.0	19.2	37.0
Castlecliff	79	25.3	17.7	22.8	34.2
Lyll Bay	41	2.4	14.6	24.4	58.5
Eastbourne	46	13.0	10.9	8.7	67.4
Seatoun	46	0	17.4	23.9	58.7
Raumati	160	6.9	10.0	33.1	50.0
Te Horo	38	13.2	21.1	18.4	47.4
Oakura	97	28.9	21.6	18.6	29.9
Milford	79	17.7	25.3	27.8	29.1
Sunny Hills	70	27.1	28.6	18.6	25.7
Sunnybrae	37	56.8	13.5	13.5	16.2
Tamaki	50	4.0	12.0	38.0	46.0
Torbay	76	43.4	21.1	11.8	23.7
St Clair	129	10.1	11.6	28.7	49.6
Visitors	n	never	Not in the next 100 yrs	Not in the next 50 yrs	Not in the next 20 yrs
Langs Beach	11	0	9.1	45.5	45.5
Waipu Cove	61	3.3	11.5	39.3	45.9
Omaha	6	0	0	33.3	66.7
Whangamata	33	0	9.1	33.3	57.6
Waihi Beach	19	0	5.3	31.6	63.2
Cooks Beach	30	6.7	6.7	10.0	76.7
Whitianga	51	0	11.8	13.7	74.5
Papamoa	71	4.2	7.0	26.8	62.0
Mount Maunganui	70	7.1	11.4	18.6	62.9
Pukehina	30	6.7	13.3	40.0	40.0
Ohope	88	6.8	11.4	25.0	56.8
Wainui	3	0	0	0	100.0
Te Awanga	20	5.0	5.0	10.0	80.0
New Brighton	10	10.0	10.0	10.0	70.0
Kaikoura	9	0	0	11.1	88.9

**Table 9** What does the respondent think is the main cause of coastal erosion?

	n	Changes in the sand supply to the beach	Storms	Sea-level rise	Other cause	Don't know
Langs Beach	43	20.9	62.8	11.6	16.3	4.7
Waipu Cove	11	18.2	90.9	0	0	0
Omaha	107	16.8	72.0	15.0	20.6	0.9
Whangamata	111	14.4	64.9	20.7	13.5	1.8
Waihi Beach	125	22.4	56.8	26.4	28.8	1.6
Cooks Beach	93	21.5	66.7	23.7	30.1	2.2
Whitianga	94	19.1	66.0	20.2	25.5	0
Papamoa	103	13.6	57.3	20.4	33.0	3.9
Mount Maunganui	135	15.6	71.1	31.9	19.5	2.2
Pukehina	73	26.0	63.0	15.1	20.5	1.4
Maketu	22	27.3	68.2	22.7	22.7	0
Coastlands	50	20.0	68.0	28.0	12.0	2.0
Ohope	134	26.1	64.9	12.7	17.2	3.0
Wainui	97	25.8	74.2	16.5	18.6	0
Westshore	126	52.4	20.6	7.1	41.3	2.4
Haumoana	49	26.5	63.3	28.6	30.6	10.2
Te Awanga	57	22.8	42.1	24.6	28.1	5.3
Riversdale	17	23.5	47.1	41.2	17.6	5.9
Castlepoint	23	26.1	69.6	39.1	4.3	8.7
Akitio	27	48.1	74.1	51.9	3.7	0
Oamaru	80	11.3	50.0	42.5	15.0	7.5
Riverton	48	8.3	64.6	37.5	12.5	10.4
New Brighton	56	12.5	51.8	44.6	12.5	3.6
South Shore	78	30.8	48.7	21.8	12.8	7.7
Sumner	52	26.9	59.6	30.8	9.6	13.5
Kaikoura	36	2.8	66.7	19.4	22.2	0
Waitarere	79	17.7	36.7	26.6	25.3	15.2
Foxton Beach	77	16.9	67.5	23.4	29.9	5.2
Castlecliff	81	23.5	53.1	21.0	30.9	14.8
Lyll Bay	45	15.6	46.7	31.1	6.7	6.7
Eastbourne	50	32.0	58.0	24.0	12.0	8.0
Seatoun	48	12.5	50.0	43.8	27.1	14.6
Raumati	167	25.1	62.3	19.2	19.2	3.0
Te Horo	40	12.5	60.0	40.0	17.5	2.5
Oakura	104	26.0	69.2	21.2	14.4	4.8
Milford	79	8.9	64.6	7.6	0	19.0
Sunny Hills	71	7.0	52.1	18.3	14.1	8.5
Sunnybrae	37	5.4	59.5	16.2	18.9	2.7
Tamaki	49	8.2	53.1	20.4	10.0	8.2
Torbay	78	6.4	59.0	11.5	14.1	9.0
St Clair	138	38.4	44.9	31.2	14.5	9.4
Visitors	n	Changes in the sand supply to the beach	Storms	Sea-level rise	Other cause	Don't know
Langs Beach	13	0	61.5	0	38.5	0
Waipu Cove	71	15.5	83.1	19.7	5.6	7.0
Omaha	7	14.3	42.9	28.6	42.9	14.3
Whangamata	35	8.6	62.9	22.9	8.7	11.4
Waihi Beach	25	12.0	60.0	32.0	8.0	8.0
Cooks Beach	32	25.0	56.3	37.5	9.3	0
Whitianga	52	9.6	65.4	28.8	15.2	1.9
Papamoa	77	18.2	62.3	22.1	16.6	7.8
Mount Maunganui	75	21.3	54.7	24.0	20.0	8.0
Pukehina	31	22.6	67.7	22.6	9.7	3.2
Ohope	91	11.0	51.6	31.9	20.9	9.9
Wainui	4	50.0	50.0	25.0	75.0	75.0
Te Awanga	20	15.0	70.0	30.0	15.0	0
New Brighton	10	10.0	80.0	30.0	20.0	0
Kaikoura	10	10.0	40.0	70.0	20.0	0

**Table 10** What type of coastal defence for **severely** eroding coastal properties does the respondent most approve of?

	n	Allow the sea to dictate (i.e. do nothing)	Build a sea wall	Place large rocks	Nourish the beach with extra sand or gravel	Require owners to move their houses back from the beachfront	Other
Langs Beach	42	23.8	21.4	33.3	14.3	2.4	4.8
Waipu Cove	11	9.1	18.2	36.4	0	9.1	27.3
Omaha	104	6.7	23.1	39.4	10.6	2.9	17.3
Whangamata	107	19.6	18.7	12.1	20.1	9.3	19.6
Waihi Beach	124	14.5	25.8	21.8	7.3	20.1	10.5
Cooks Beach	91	18.7	25.3	22.0	8.8	14.3	11.0
Whitianga	93	7.5	39.8	34.4	2.2	12.9	3.2
Papamoa	95	12.6	21.0	15.8	12.6	16.8	21.0
Mount Maunganui	128	15.6	16.4	25.0	18.0	8.6	16.4
Pukehina	66	4.5	13.6	25.8	30.3	9.1	16.7
Maketu	22	22.7	13.6	31.8	4.5	13.6	13.6
Coastlands	49	18.4	16.3	18.4	10.2	16.3	20.4
Ohope	131	15.3	16.8	22.9	23.7	6.1	15.3
Wainui	94	16.0	13.8	40.4	10.6	8.5	10.3
Westshore	124	1.6	18.5	13.7	21.8	0.8	43.5
Haumoana	47	6.4	34.0	12.8	8.5	14.9	23.4
Te Awanga	54	13.0	25.9	14.8	7.4	13.0	25.9
Riversdale	17	23.5	17.6	11.8	5.9	11.8	29.4
Castlepoint	23	4.3	4.3	39.1	39.1	4.3	8.7
Akitio	27	3.7	22.2	59.3	0	0	14.8
Oamaru	78	6.4	34.6	39.7	5.1	7.7	6.4
Riverton	47	17.0	36.2	29.8	12.8	0	4.2
New Brighton	55	10.9	40.0	18.2	10.9	7.3	12.7
South Shore	75	16.0	17.3	16.0	28.0	5.3	17.3
Sumner	49	4.1	34.7	26.5	18.4	6.1	10.2
Kaikoura	36	2.8	27.8	36.1	22.2	5.6	5.6
Waitarere	77	19.5	13.0	33.8	10.4	11.7	11.7
Foxton Beach	68	13.2	42.6	25.0	7.4	4.4	7.4
Castlecliff	70	22.9	21.4	25.7	8.6	10.0	11.4
Lyllall Bay	45	6.7	24.4	42.2	17.8	2.2	6.6
Eastbourne	48	14.6	50.0	37.5	6.3	6.3	4.2
Seatoun	47	4.3	38.3	36.2	6.4	4.3	10.6
Raumati	157	4.5	44.6	28.7	4.5	9.6	8.3
Te Horo	39	23.1	10.3	20.5	15.4	15.4	15.4
Oakura	98	7.1	14.3	57.1	8.2	6.1	7.1
Milford	78	9.0	25.6	33.3	16.7	11.5	3.9
Sunny Hills	70	8.6	50.0	22.9	5.7	5.7	7.0
Sunnybrae	37	13.5	32.4	27.0	5.4	5.4	21.6
Tamaki	50	6.0	56.0	20.0	10.0	2.0	6.0
Torbay	78	9.0	25.6	29.5	14.1	7.7	14.1
St Clair	130	12.3	56.9	13.8	3.8	5.4	7.7



Visitors	n	Allow the sea to dictate (i.e. do nothing)	Build a sea wall	Place large rocks	Nourish the beach with extra sand or gravel	Require owners to move their houses back from the beachfront	Other
Langs Beach	12	16.7	8.3	25.0	0	25.0	25.0
Waipu Cove	70	4.3	67.1	18.6	5.7	2.9	1.4
Omaha	7	28.6	28.6	28.6	0	14.3	0
Whangamata	34	8.8	29.4	38.4	14.7	5.9	2.9
Waihi Beach	25	4.0	12.0	40.0	20.0	8.0	16.0
Cooks Beach	31	22.6	25.8	25.8	6.5	9.7	9.7
Whitianga	50	8.0	38.0	32.0	8.0	8.0	6.0
Papamoa	75	9.3	21.3	28.0	21.3	5.3	14.7
Mount Maunganui	72	18.1	18.1	37.5	15.3	4.2	6.9
Pukehina	30	13.3	3.3	23.3	33.3	6.7	20.0
Ohope	88	12.5	22.7	28.4	11.4	8.0	17.0
Wainui	4	50.0	25.0	0	0	0	25.0
Te Awanga	20	0	55.0	30.0	0	15.0	0
New Brighton	10	0	50.0	30.0	20.0	0	0
Kaikoura	10	20.0	10.0	50.0	0	20.0	0

**Table 11** Has the respondent **heard or received** any information about coastal erosion from any of the following?

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
n	43	11	107	111	125	93	94	103	135	73	22	50	134	97	126
I haven't heard or received any information	39.5	27.3	25.2	9.9	10.4	17.2	11.7	16.5	20.0	12.3	31.8	36.0	11.2	3.1	8.7
Friends	23.3	18.2	25.2	26.1	31.2	46.2	36.2	21.4	17.8	28.8	31.8	16.0	27.6	51.5	31.7
Neighbours	23.3	27.3	24.3	13.5	35.2	35.5	21.3	15.5	14.8	37.0	22.7	20.0	27.6	57.7	46.0
Relatives	11.6	9.1	9.3	2.7	14.4	16.1	10.6	10.7	8.1	11.0	13.6	6.0	7.5	16.5	6.3
Central Govt Agencies	4.7	18.2	8.4	9.9	6.4	5.4	13.8	12.6	5.9	15.1	9.1	8.0	10.4	19.6	11.9
Regional Council	32.6	18.2	42.1	51.4	48.8	39.8	45.7	45.6	40.0	43.8	50.0	46.0	58.2	42.3	46.0
Local Council	16.3	27.3	49.5	58.6	56.0	34.4	45.7	41.7	54.8	42.5	50.0	32.0	49.3	79.4	69.0
Local CD	0	0	6.5	13.5	2.4	4.3	16.0	14.6	14.8	13.7	18.2	8.0	9.0	14.4	14.3
Business Establishments	0	0	2.8	3.6	0	6.5	6.4	2.9	0	0	0	0	0.7	3.1	4.0
Research Organisations	9.3	18.2	13.1	27.0	23.2	16.1	16.0	14.6	17.8	19.2	22.7	14.0	17.9	35.1	36.5
My workplace	7.0	18.2	4.7	3.6	3.2	2.2	9.6	5.8	5.2	2.7	0	10.0	10.4	7.2	7.1
My child's school	0	0	5.6	0.9	2.4	1.1	2.1	8.7	2.2	5.5	0	10.0	11.9	7.2	3.2
Other	18.6	27.3	22.4	24.3	16.8	24.7	28.7	27.2	18.5	26.0	9.0	12.0	22.4	20.6	33.3

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
n	49	57	17	23	27	80	48	56	78	52	36	79	77	81	45
I haven't heard or received any information	8.2	10.5	11.8	8.7	14.8	42.5	60.4	44.6	23.1	42.3	44.4	41.8	23.4	38.3	51.1
Friends	44.9	49.1	29.4	47.8	37.0	27.5	16.7	16.1	21.8	15.4	22.2	27.8	23.4	23.5	6.7
Neighbours	55.1	54.4	35.3	34.8	37.0	15.0	6.3	12.5	29.5	5.8	16.7	12.7	27.3	23.5	2.2
Relatives	16.3	14.0	0	26.1	18.5	15.0	8.3	12.5	5.1	7.7	2.8	7.6	9.1	9.9	2.2
Central Govt Agencies	14.3	8.8	0	17.4	3.7	8.8	4.2	5.4	5.1	3.8	5.6	3.8	11.7	9.9	6.7
Regional Council	59.2	71.9	64.7	52.2	22.2	20.0	16.7	19.6	30.8	11.5	25.0	27.8	31.2	9.9	22.2
Local Council	49.0	45.6	29.4	60.9	33.3	27.5	6.3	28.6	39.7	19.2	27.8	27.8	40.3	17.3	20.0
Local CD	12.2	14.0	17.6	8.7	3.7	13.8	4.2	14.3	14.1	3.8	11.1	1.3	5.2	3.7	2.2
Business Establishments	10.2	0	0	0	3.7	5.0	0	3.6	0	0	0	2.5	6.5	0	0
Research Organisations	18.4	10.5	35.3	13.0	7.4	7.5	2.1	12.5	19.2	9.6	8.3	21.5	16.9	8.6	6.7
My workplace	8.2	5.3	11.8	0	0	10.0	4.2	3.6	5.1	5.8	5.6	5.1	3.9	7.4	2.2
My child's school	4.1	1.8	0	0	0	2.5	0	3.6	1.3	1.9	0	3.8	0	0	2.2
Other	2.4	21.1	17.6	13.0	18.5	8.7	4.2	14.3	29.5	13.5	11.1	12.7	10.4	18.5	8.9

Locations key: 1 - Langa Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Maketu, 12 - Coastlands, 13 - Ohope, 14 - Wainui, 15 - Westshore, 16 - Haumoana, 17 - Te Awanga, 18 - Riversdale, 19 - Castlepoint, 20 - Akitio, 21 - Oamaru, 22 - Riverton, 23 - New Brighton, 24 - South Shore, 25 - Sumner, 26 - Kaikoura, 27 - Waitarere, 28 - Foxton Beach, 29 - Castlecliff, 30 - Lyall Bay, 31 - Eastbourne, 32 - Seatoun, 33 - Raumati, 34 - Te Horo, 35 - Oakura, 36 - Milford, 37 - Sunny Hills, 38 - Sunnybrae, 39 - Tamaki, 40 - Torbay and 41 - St Clair.

n	31	32	33	34	35	36	37	38	39	40	41
I haven't heard or received any information	50	48	167	40	104	80	71	37	52	78	138
Friends	48.0	47.9	14.4	15.0	10.6	41.3	40.8	40.5	34.6	30.8	23.9
Neighbours	26.0	25.0	38.9	47.5	46.2	25.0	7.0	13.5	13.5	26.9	32.6
Relatives	12.0	18.8	41.9	17.5	36.5	10.0	9.9	0	23.1	28.2	23.2
Central Govt Agencies	4.0	6.3	13.2	10.0	9.6	11.3	5.6	5.4	15.4	10.3	8.7
Regional Council	2.0	4.2	8.4	15.0	2.9	7.5	4.2	10.8	1.9	5.1	6.5
Local Council	10.0	18.8	30.5	45.0	38.5	16.3	14.1	21.6	21.2	28.2	38.4
Local CD	10.0	10.4	58.1	42.5	47.1	26.3	19.7	27.0	23.1	46.2	50.0
Business Establishments	4.0	6.3	9.0	10.0	5.8	5.0	5.6	8.1	5.8	6.4	8.0
Research Organisations	0	0	1.8	10.0	1.9	5.0	0	0	0	3.8	2.2
My workplace	12.0	8.3	19.8	12.5	9.6	8.8	14.1	13.5	7.7	15.4	21.0
My child's school	0	2.1	2.4	12.5	8.7	6.3	5.6	2.7	11.5	9.0	6.5
Other	0	2.1	2.4	2.5	2.9	0	5.6	0	3.8	1.3	14
	14.0	14.6	24.6	25.0	22.5	15.0	18.3	13.5	7.7	12.8	19.6

Locations key: 1 - Langs Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Maketu, 12 - Coastlands, 13 - Ohope, 14 - Wainui, 15 - Westshore, 16 - Haumoana, 17 - Te Awanga, 18 - Riversdale, 19 - Castlepoint, 20 - Akitio, 21 - Oamaru, 22 - Riverton, 23 - New Brighton, 24 - South Shore, 25 - Sumner, 26 - Kaikoura, 27 - Waitarere, 28 - Foxton Beach, 29 - Castlecliff, 30 - Lyall Bay, 31 - Eastbourne, 32 - Seatoun, 33 - Raumati, 34 - Te Horo, 35 - Oakura, 36 - Milford, 37 - Sunny Hills, 38 - Sunnybrae, 39 - Tamaki, 40 - Torbay and 41 - St Clair.

<b>Visitors</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
n	13	71	7	35	25	32	52	77	75	31	91	4	20	10	10
I haven't heard or received any information	30.8	32.4	42.9	48.6	36.0	21.9	30.8	27.3	42.7	16.1	37.4	25.0	40.0	60.0	40.0
Friends	46.2	38.0	0	8.6	16.0	25.0	19.2	19.5	17.3	22.6	20.9	25.0	40.0	0	10.0
Neighbours	0	12.7	0	2.9	4.0	6.3	5.8	9.1	4.0	19.4	4.4	25.0	25.0	10.0	0
Relatives	7.7	12.7	14.3	5.7	0	9.4	11.5	10.4	12.0	16.1	9.9	25.0	5.0	0	0
Central Govt Agencies	7.7	5.6	0	2.9	4.0	9.4	7.7	6.5	5.3	12.9	6.6	0	5.0	0	0
Regional Council	23.1	15.5	0	11.4	16.0	25.0	26.9	35.1	17.3	41.9	26.4	0	20.0	10.0	10.0
Local Council	15.4	11.3	42.9	17.1	12.0	28.1	25.0	26.0	22.7	32.3	19.8	0	15.0	10.0	10.0
Local CD	0	8.5	0	11.4	8.0	6.3	11.5	5.2	2.7	6.5	11.0	0	10.0	0	10.0
Business Establishments	0	2.8	0	0	4.0	0	1.9	1.3	0	3.2	0	0	5.0	0	0
Research Organisations	15.4	11.3	0	8.6	4.0	18.8	13.5	19.5	10.7	25.8	17.6	50.0	5.0	10.0	30.0
My workplace	7.7	4.2	0	2.9	0	12.5	5.8	11.7	5.3	6.5	7.7	0	5.0	10.0	0
My child's school	7.7	4.2	0	5.7	8.0	6.3	1.9	13.0	6.7	0	5.5	0	0	0	0
Other	38.5	22.5	0	25.7	20.0	31.2	21.2	19.5	16.0	16.1	14.3	25.0	15.0	90.0	10.0

Visitors locations key: 1 - Langs Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Ohope, 12 - Wainui, 13 - Te Awanga, 14 - New Brighton and 15 - Kaikoura.

**Table 12** In the next month or so, does the respondent intend to:

a) Seek information on coastal erosion

	n	no	possibly	Definitely
Langs Beach	41	53.7	39.0	7.3
Waipu Cove	9	55.6	44.4	0
Omaha	104	72.1	25.0	2.9
Whangamata	101	69.3	26.7	4.0
Waihi Beach	117	56.4	35.0	8.5
Cooks Beach	88	60.9	34.5	4.6
Whitianga	90	65.6	31.1	3.3
Papamoa	101	66.3	32.7	1.0
Mount Maunganui	126	59.5	37.3	3.2
Pukehina	69	59.4	36.2	4.3
Maketu	20	40.0	55.0	5.0
Coastlands	47	66.0	31.9	2.1
Ohope	126	69.0	26.2	4.8
Wainui	90	66.7	27.8	5.6
Westshore	113	53.1	35.4	11.5
Haumoana	46	52.2	32.6	15.2
Te Awanga	53	50.9	35.8	13.2
Riversdale	16	56.3	37.5	6.3
Castlepoint	21	42.9	38.1	19.0
Akitio	23	24.8	47.8	17.4
Oamaru	79	63.3	34.2	2.5
Riverton	46	67.4	30.4	2.2
New Brighton	53	66.0	28.3	5.7
South Shore	74	59.5	35.1	5.4
Sumner	48	70.8	22.9	6.3
Kaikoura	33	63.6	36.4	0
Waitarere	77	58.4	37.7	3.9
Foxtan Beach	74	51.4	39.2	9.5
Castlecliff	76	50.0	43.4	6.6
Lyll Bay	45	66.7	33.3	0
Eastbourne	48	52.1	45.8	2.1
Seatoun	45	51.1	46.7	2.2
Raumati	157	55.4	38.2	6.4
Te Horo	38	63.2	34.2	2.6
Oakura	100	59.0	35.0	6.0
Milford	76	80.3	17.1	2.6
Sunny Hills	69	85.5	13.0	1.4
Sunnybrae	36	75.0	25.0	0
Tamaki	48	20.0	41.7	8.3
Torbay	75	68.0	29.3	2.7
St Clair	135	56.3	39.3	4.4
Visitors	n	no	possibly	Definitely
Langs Beach	13	84.6	15.4	0
Waipu Cove	65	53.8	40.0	6.2
Omaha	7	85.7	14.3	0
Whangamata	34	91.2	8.8	0
Waihi Beach	25	56.0	40.0	4.0
Cooks Beach	32	71.9	25.0	3.1
Whitianga	51	66.7	31.4	2.0
Papamoa	74	68.9	31.1	0
Mount Maunganui	71	77.5	18.3	4.2
Pukehina	26	53.8	34.6	11.5
Ohope	88	73.9	26.1	0
Wainui	4	50.0	25.0	25.0
Te Awanga	19	52.6	42.1	5.3
New Brighton	8	87.5	12.5	0
Kaikoura	10	70.0	30.0	0

b) Become involved with a local group to discuss coastal erosion and methods for protecting against it

	n	no	possibly	Definitely
Langs Beach	40	67.5	25.0	7.5
Waipu Cove	10	40.0	40.0	20.0
Omaha	104	67.0	29.1	3.9
Whangamata	97	77.3	18.6	4.1
Waihi Beach	112	57.1	31.3	11.6
Cooks Beach	86	68.6	26.7	4.7
Whitianga	89	70.8	23.6	5.6
Papamoa	95	76.8	21.1	2.1
Mount Maunganui	120	71.7	37.3	3.3
Pukehina	67	44.8	49.3	6.0
Maketu	21	28.6	61.9	9.5
Coastlands	45	68.9	24.4	6.7
Ohope	126	69.0	26.2	4.8
Wainui	93	60.2	29.0	10.8
Westshore	117	36.8	41.9	21.4
Haumoana	48	45.8	41.7	12.5
Te Awanga	54	48.1	31.5	20.4
Riversdale	14	71.4	14.3	14.3
Castlepoint	20	50.0	30.0	20.0
Akitio	25	36.0	28.0	36.0
Oamaru	67	88.6	11.9	1.5
Riverton	37	86.5	13.5	0
New Brighton	53	83.0	15.1	1.9
South Shore	76	76.3	21.1	2.6
Sumner	44	79.5	18.2	2.3
Kaikoura	32	100	0	0
Waitarere	74	71.6	25.7	2.7
Foxton Beach	68	66.2	30.9	2.9
Castlecliff	75	61.3	30.7	8.0
Lyll Bay	42	81.0	19.0	0
Eastbourne	46	71.7	26.1	0
Seatoun	44	77.3	20.5	2.3
Raumati	152	64.5	32.9	2.6
Te Horo	37	70.3	29.7	0
Oakura	98	67.3	28.6	4.1
Milford	74	82.4	16.2	1.4
Sunny Hills	66	89.4	10.6	0
Sunnybrae	34	88.2	11.8	0
Tamaki	48	62.5	37.5	0
Torbay	71	83.1	11.3	5.6
St Clair	129	64.3	28.7	7.0
Visitors	n	no	possibly	Definitely
Langs Beach	12	83.3	16.7	0
Waipu Cove	64	78.1	21.9	0
Omaha	7	100.0	0	0
Whangamata	33	90.9	9.1	0
Waihi Beach	22	90.9	9.1	0
Cooks Beach	31	83.9	16.1	0
Whitianga	52	78.8	21.2	0
Papamoa	69	82.6	15.9	1.4
Mount Maunganui	72	91.7	6.9	1.4
Pukehina	30	46.7	40.0	13.3
Ohope	85	91.8	8.2	0
Wainui	4	50.0	25.0	25.0
Te Awanga	18	55.6	38.9	5.6
New Brighton	8	87.5	12.5	0
Kaikoura	10	90.0	10.0	0

**Table 13** Has the respondent **asked** any of the following people, groups or organisations for information on coastal erosion?

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
n	43	11	107	111	125	93	94	103	135	73	22	50	134	97	126
No	88.4	54.5	78.5	70.3	53.6	63.4	60.6	75.7	63.0	53.4	45.5	68.0	52.2	29.9	43.7
Friends	7.0	9.1	6.5	9.9	13.6	20.4	18.1	4.9	7.4	16.4	18.2	8.0	10.4	27.8	16.7
Neighbours	9.3	18.2	14.0	8.1	16.0	19.4	7.4	1.0	8.9	17.8	27.3	6.0	14.2	33.0	29.4
Relatives	0	0	2.8	1.8	4.8	5.4	4.3	1.9	3.0	2.7	9.1	4.0	3.0	9.3	5.6
Central Govt Agencies	2.3	9.1	0.9	0.9	0	1.1	3.2	0	1.5	8.2	18.2	4.0	0	4.1	4.0
Regional Council	2.3	18.2	6.5	8.1	11.2	14.0	6.4	6.8	5.2	16.4	36.4	12.0	17.2	25.8	18.3
Local Council	2.3	9.1	11.2	8.1	23.2	15.1	13.8	4.9	11.9	12.3	36.4	8.0	12.7	39.2	32.5
Local CD	0	0	0.9	1.8	1.6	0	3.2	1.0	0.7	1.4	18.2	2.0	0	4.1	4.8
Business Establishments	2.3	0	0.9	0.9	0	2.2	2.1	0	0	1.4	4.5	0	0.7	0	0
Research Organisations	2.3	18.2	3.7	4.5	2.4	1.1	3.2	0	3.0	4.1	13.6	2.0	5.2	8.2	13.5
My workplace	2.3	9.1	1.9	0	0	1.1	3.2	1.0	1.5	2.7	4.5	4.0	3.0	2.1	2.4
My child's school	2.3	0	0.9	0	0	0	0	1.0	0	1.4	4.5	0	1.5	0	0.8
Other	0	9.1	1.8	4.5	8.0	4.3	3.2	3.9	4.4	6.8	4.5	6.0	8.2	4.1	14.3

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
n	49	57	17	23	27	80	48	56	78	52	36	79	77	81	45
No	40.8	45.6	64.7	34.8	44.4	73.8	87.5	76.8	66.7	82.7	88.9	68.4	61.0	69.1	77.8
Friends	24.5	21.1	5.9	30.4	29.6	11.3	6.3	10.7	6.4	7.7	5.6	11.4	16.9	16.0	6.7
Neighbours	40.8	36.8	17.6	21.7	25.9	6.3	2.1	3.6	10.3	7.7	5.6	12.7	11.7	11.1	6.7
Relatives	12.2	3.5	0	17.4	14.8	2.5	2.1	7.1	3.8	5.8	2.8	5.1	3.9	3.7	4.4
Central Govt Agencies	8.2	1.8	0	4.3	0	0	0	1.8	1.3	0	2.8	1.3	2.6	2.5	0
Regional Council	40.8	31.6	23.5	21.7	7.4	5.0	4.2	0	7.7	0	2.8	7.6	3.9	1.2	2.2
Local Council	28.6	10.5	11.8	26.1	18.5	5.0	2.1	5.4	11.5	3.8	2.8	13.9	13.0	3.7	2.2
Local CD	6.1	3.5	0	0	0	2.5	2.1	0	1.3	0	5.6	1.3	2.6	0	0
Business Establishments	4.1	0	0	0	3.7	0	2.1	0	0	0	2.8	1.3	1.3	0	2.2
Research Organisations	4.1	5.3	5.9	4.3	0	0	0	0	2.6	1.9	5.6	3.8	2.6	2.5	0
My workplace	4.1	1.8	5.9	0	3.7	2.5	0	0	0	3.8	2.8	0	2.6	3.7	0
My child's school	2.0	0	0	0	0	0	0	0	0	0	5.6	0	0	0	2.2
Other	8.2	7.0	5.9	4.3	18.5	1.2	0	3.6	6.4	0	2.8	2.5	1.3	2.5	4.4

Locations key: 1 - Langs Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Maketu, 12 - Coastlands, 13 - Ohope, 14 - Wainui, 15 - Westshore, 16 - Haumoana, 17 - Te Awanga, 18 - Riversdale, 19 - Castlepoint, 20 - Akitio, 21 - Oamaru, 22 - Riverton, 23 - New Brighton, 24 - South Shore, 25 - Sumner, 26 - Kaikoura, 27 - Waitarere, 28 - Foxton Beach, 29 - Castlecliff, 30 - Lyall Bay, 31 - Eastbourne, 32 - Seatoun, 33 - Raumati, 34 - Te Horo, 35 - Oakura, 36 - Milford, 37 - Sunny Hills, 38 - Sunnybrae, 39 - Tamaki, 40 - Torbay and 41 - St Clair.

	<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>	<b>41</b>
n	50	48	167	40	104	80	71	37	52	78	138
No	74.0	75.0	48.5	72.5	51.0	73.8	87.3	91.9	65.4	70.5	62.3
Friends	12.0	12.5	20.4	12.5	16.3	7.5	4.2	2.7	9.6	12.8	18.1
Neighbours	10.0	6.3	25.7	10.0	17.3	6.3	1.4	0	9.6	10.3	18.1
Relatives	0	4.2	7.8	2.5	3.8	3.8	0	2.7	7.7	3.8	4.3
Central Govt Agencies	0	2.1	1.2	2.5	1.0	2.5	0	2.7	1.9	1.3	1.4
Regional Council	0	4.2	7.2	2.5	8.7	2.5	1.4	0	5.8	5.1	8.7
Local Council	4.0	6.3	25.1	2.5	18.3	5.0	7.0	0	13.5	14.1	15.2
Local CD	2.0	0	1.2	0	0	0	0	0	0	0	2.9
Business Establishments	0	0	0.6	0	0	2.5	0	0	0	1.3	0.7
Research Organisations	2.0	2.1	2.4	2.5	1.0	3.8	0	0	0	6.4	5.1
My workplace	2.0	2.1	1.2	5.0	2.9	0	0	0	0	3.8	2.2
My child's school	0	0	0	0	1.0	0	0	0	0	0	0
Other	2.0	4.2	3.0	2.5	3.8	0	1.4	2.7	1.9	2.6	2.9

Locations key: 1 - Langs Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Maketu, 12 - Coastlands, 13 - Ohope, 14 - Wainui, 15 - Westshore, 16 - Haumoana, 17 - Te Awanga, 18 - Riversdale, 19 - Castlepoint, 20 - Akitio, 21 - Oamaru, 22 - Riverton, 23 - New Brighton, 24 - South Shore, 25 - Sumner, 26 - Kaikoura, 27 - Waitare, 28 - Foxton Beach, 29 - Castlecliff, 30 - Lyall Bay, 31 - Eastbourne, 32 - Seatoun, 33 - Raumati, 34 - Te Horo, 35 - Oakura, 36 - Milford, 37 - Sunny Hills, 38 - Sunnybrae, 39 - Tamaki, 40 - Torbay and 41 - St Clair.

<b>Visitors</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
n	13	71	7	35	25	32	52	77	75	31	91	4	20	10	10
No	76.9	54.9	85.7	88.6	80.0	68.8	73.1	83.1	82.7	54.8	83.5	75.0	70.0	70.0	90.0
Friends	15.4	21.1	14.3	8.6	4.0	12.5	13.5	5.2	5.3	16.1	3.3	0	30.0	0	0
Neighbours	0	12.7	0	2.9	0	9.4	1.9	2.6	0	12.9	1.1	0	25.0	0	0
Relatives	7.7	9.9	0	0	8.0	9.4	5.8	2.6	1.3	12.9	4.4	25.00	10.0	0	0
Central Govt Agencies	0	1.4	0	0	0	0	0	1.3	1.3	9.7	0	0	5.0	0	0
Regional Council	0	5.6	0	2.9	0	3.1	3.8	6.5	2.7	19.4	2.2	0	15.0	10.0	0
Local Council	0	8.5	0	2.9	4.0	9.4	5.8	5.2	4.0	29.0	1.1	0	10.0	0	0
Local CD	0	1.4	0	2.9	0	0	1.9	0	0	6.5	2.2	0	10.0	0	0
Business Establishments	0	1.4	0	0	0	3.1	0	0	0	3.2	0	0	5.0	0	0
Research Organisations	0	1.4	0	2.9	0	3.1	5.8	0	1.3	9.7	2.2	25.0	5.0	0	0
My workplace	0	1.4	0	0	0	3.1	0	0	1.3	3.2	1.1	0	5.0	0	0
My child's school	0	1.4	0	0	0	0	0	2.6	0	6.5	0	0	5.0	0	0
Other	15.4	7.0	0	0	0	3.1	1.9	2.6	1.3	12.9	3.3	0	5.0	0	10.0

Visitors locations key: 1 - Langs Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Ohope, 12 - Wainui, 13 - Te Awanga, 14 - New Brighton and 15 - Kaikoura.

**Table 14** Thinking about what the respondent has heard about coastal erosion affecting their area, how consistent was this information?

	n	I have not heard anything	Consistent	Fairly consistent	Unsure	Fairly inconsistent	Inconsistent
Langs Beach	41	61.0	7.3	14.6	9.8	7.3	0
Waipu Cove	11	27.3	18.2	27.3	27.3	0	0
Omaha	105	29.5	24.8	24.8	9.5	6.7	4.8
Whangamata	104	15.4	21.2	33.7	11.5	7.7	10.6
Waihi Beach	119	10.1	17.6	34.5	9.2	16.8	11.8
Cooks Beach	91	19.8	18.7	35.2	9.9	7.7	8.8
Whitianga	89	14.6	18.0	37.1	9.0	12.4	9.0
Papamoa	99	26.3	22.2	33.3	8.1	5.1	5.1
Mount Maunganui	126	24.6	18.3	34.1	12.7	5.6	4.8
Pukehina	73	19.2	17.8	37.0	11.0	6.8	8.2
Maketu	22	22.7	22.7	36.4	4.5	4.5	9.1
Coastlands	48	35.4	25.0	18.8	12.5	6.3	2.1
Ohope	126	17.5	23.0	31.0	12.7	11.9	4.0
Wainui	96	4.2	19.8	37.5	5.2	24.0	9.4
Westshore	125	8.0	21.6	37.6	10.4	11.2	11.2
Haumoana	46	8.7	28.3	37.0	10.9	6.5	8.7
Te Awanga	56	8.9	23.2	28.6	14.3	17.9	7.1
Riversdale	17	17.6	29.4	35.3	11.8	5.9	0
Castlepoint	23	13.0	21.7	47.8	8.7	4.3	4.3
Akitio	27	29.6	22.2	25.9	3.7	7.4	11.1
Oamaru	77	36.4	11.7	23.4	13.0	5.2	10.4
Riverton	46	73.9	8.7	6.5	4.3	4.3	2.2
New Brighton	53	47.2	5.7	15.1	9.4	13.2	9.4
South Shore	75	29.3	22.7	25.3	10.7	8.0	4.0
Sumner	51	52.9	11.8	9.8	13.7	3.9	7.8
Kaikoura	34	41.2	14.7	20.6	17.6	5.9	0
Waitarere	77	59.7	9.1	14.3	5.2	6.5	5.2
Foxton Beach	75	29.3	6.7	26.7	12.0	18.7	6.7
Castlecliff	79	49.4	11.4	16.5	7.6	11.4	3.8
Lyall Bay	45	60.0	13.3	15.6	8.9	2.2	0
Eastbourne	47	61.7	4.3	21.3	2.1	4.3	0
Seatoun	46	65.2	10.9	13.0	2.2	6.5	2.2
Raumati	161	20.5	14.3	41.6	9.9	7.5	6.2
Te Horo	39	46.2	7.7	15.4	20.5	5.1	5.1
Oakura	104	14.4	26.9	33.7	11.5	10.6	2.9
Milford	76	50.0	11.8	15.8	15.8	2.6	3.9
Sunny Hills	70	72.9	8.6	11.4	2.9	2.9	1.4
Sunnybrae	36	55.6	8.3	11.1	16.7	5.6	2.8
Tamaki	49	55.1	6.1	14.3	12.2	6.1	6.1
Torbay	77	35.1	16.9	27.3	11.7	3.9	5.2
St Clair	135	14.1	16.3	37.8	15.6	9.6	6.7
Visitors	n	I have not heard anything	Consistent	Fairly consistent	Unsure	Fairly inconsistent	Inconsistent
Langs Beach	13	92.3	0	7.7	0	0	0
Waipu Cove	65	43.3	17.9	19.4	6.0	7.5	6.0
Omaha	7	71.4	14.3	0	14.3	0	0
Whangamata	35	65.7	2.9	22.9	5.7	0	2.9
Waihi Beach	25	40.0	16.0	12.0	12.0	12.0	8.0
Cooks Beach	31	61.3	16.1	16.1	6.5	0	0
Whitianga	50	48.0	16.0	22.0	8.0	2.0	4.0
Papamoa	75	48.0	16.0	20.0	10.7	4.0	1.3
Mount Maunganui	70	60.0	10.0	10.0	11.4	2.9	5.7
Pukehina	30	23.3	20.0	20.0	13.3	6.7	16.7
Ohope	84	66.7	9.5	8.3	8.3	3.6	3.6
Wainui	4	50.0	25.0	25.0	0	0	0
Te Awanga	19	31.6	26.3	31.6	5.3	0	5.3
New Brighton	9	66.7	0	11.1	11.1	11.1	0
Kaikoura	10	80.0	10.0	0	10.0	0	0



## 5.0 TSUNAMI

**Table 15** When was the last tsunami that affected this area?

	n	never	In the last 10 yrs	In the last 100 yrs	In the last 1000 yrs	In the last 10 000 yrs	Don't know
Langs Beach	42	14.3	2.4	4.8	2.4	0	76.2
Waipu Cove	11	9.1	0	9.1	0	9.1	72.7
Omaha	106	22.6	2.8	5.7	4.7	0	64.2
Whangamata	104	25.0	4.8	5.8	0	0	64.4
Waihi Beach	119	17.6	3.4	14.3	0.8	0.8	63.0
Cooks Beach	92	20.7	1.1	16.3	0	3.3	58.7
Whitianga	91	5.5	0	61.5	3.3	0	29.7
Papamoa	102	12.7	2.9	4.9	2.9	1.0	75.5
Mt Maunganui	126	24.6	1.6	8.7	3.2	0	61.9
Pukehina	72	20.8	2.8	1.4	4.2	1.4	69.4
Maketu	22	13.6	0	0	4.5	0	81.8
Coastlands	47	27.7	0	6.4	4.3	2.1	59.6
Ohope	131	21.4	3.1	16.8	7.6	1.5	49.6
Wainui	95	0	1.0	74.7	0	0	24.2
Westshore	123	15.4	1.6	24.4	0.8	0	57.7
Haumoana	47	12.8	2.1	12.8	0	0	72.3
Te Awanga	55	16.4	3.6	18.2	0	0	61.8
Riversdale	17	0	5.9	11.8	0	11.8	70.6
Castlepoint	23	8.7	4.3	8.7	0	0	78.3
Akitio	27	14.8	0	7.4	0	0	77.8
Oamaru	78	11.5	3.8	25.6	0	0	59.0
Riverton	47	36.2	10.6	2.1	0	0	51.1
New Brighton	53	22.6	5.7	17.0	3.8	1.9	49.1
South Shore	76	7.9	10.5	39.5	5.3	0	36.8
Sumner	52	13.5	1.9	28.8	3.8	0	51.9
Kaikoura	35	25.7	2.9	25.7	0	0	45.7
Waitarere	79	20.3	1.3	5.1	5.1	2.5	65.8
Foxton Beach	74	16.2	0	2.7	5.4	1.4	74.3
Castlecliff	80	32.5	0	5.0	1.3	0	61.3
Lyall Bay	45	8.9	4.4	11.1	8.9	2.2	64.4
Eastbourne	48	22.9	2.1	8.3	2.1	0	64.6
Seatoun	48	4.2	2.1	6.3	22.9	0	64.6
Raumati	163	16.0	0	8.6	3.7	2.5	69.3
Te Horo	40	21.1	0	0	2.6	0	76.3
Oakura	103	28.2	1.9	6.8	1.0	1.0	61.2
Milford	78	23.1	0	10.3	10.3	0	56.4
Sunny Hills	70	30.0	0	5.7	2.9	1.4	60.0
Sunnybrae	35	14.3	11.4	17.1	0	0	57.1
Tamaki	49	22.4	4.1	4.1	4.1	4.1	61.2
Torbay	76	17.1	5.3	7.9	2.6	0	67.1
St Clair	138	15.9	2.2	19.6	2.2	2.2	58.0
	n	never	In the last 10 yrs	In the last 100 yrs	In the last 1000 yrs	In the last 10 000 yrs	Don't know
Langs Beach	13	7.7	0	0	0	0	92.3
Waipu Cove	65	13.8	6.2	4.6	1.5	0	73.8
Omaha	7	14.3	0	14.3	0	0	71.4
Whangamata	29	8.6	2.9	2.9	0	2.9	82.9
Waihi Beach	24	4.2	0	12.5	0	0	83.3
Cooks Beach	24	6.3	3.1	12.5	3.1	0	75.0
Whitianga	52	7.7	0	38.5	1.9	0	51.9
Papamoa	77	18.2	3.9	6.5	0	0	71.4
Mt Maunganui	73	9.6	1.4	5.5	4.1	0	79.5
Pukehina	30	20.0	0	13.3	0	0	66.7
Ohope	89	10.1	2.2	7.9	2.2	2.2	75.3
Wainui	4	0	0	75.0	0	0	25.0
Te Awanga	16	5.0	5.0	10.0	0	0	80.0
New Brighton	10	40.0	0	10.0	10.0	0	40.0
Kaikoura	10	0	0	20.0	0	0	80.0

**Table 16** Has the respondent seen any tsunami hazard zone maps for their coast?

	n	yes	Not sure	no
Langs Beach	42	4.8	2.4	92.9
Waipu Cove	11	18.2	0	81.8
Omaha	106	1.9	2.8	95.3
Whangamata	106	3.8	6.6	89.6
Waihi Beach	122	9.0	6.6	84.4
Cooks Beach	93	3.3	6.5	90.2
Whitianga	93	3.2	4.3	92.5
Papamoa	102	8.8	6.9	84.3
Mount Maunganui	128	6.3	6.3	87.5
Pukehina	73	5.5	4.1	90.4
Maketu	21	4.8	4.8	90.4
Coastlands	48	2.1	14.6	83.3
Ohope	131	3.8	5.3	90.8
Wainui	95	27.4	10.5	62.1
Westshore	123	11.4	8.9	79.7
Haumoana	48	6.3	8.3	85.4
Te Awanga	56	3.6	5.4	91.1
Riversdale	17	64.7	11.8	23.5
Castlepoint	23	47.8	13.0	39.1
Akitio	25	20.0	0	80.0
Oamaru	78	2.6	6.4	91.0
Riverton	48	0	2.1	97.9
New Brighton	55	3.6	3.6	92.7
South Shore	77	11.7	5.2	81.8
Sumner	51	7.8	9.8	82.4
Kaikoura	35	11.4	2.9	85.7
Waitarere	79	3.8	2.5	93.7
Foxton Beach	75	2.7	2.7	93.3
Castlecliff	81	1.2	1.2	95.1
Lyll Bay	45	13.3	6.7	80.0
Eastbourne	48	8.3	6.3	85.4
Seatoun	47	23.4	10.6	66.0
Raumati	165	10.9	13.9	75.2
Te Horo	38	2.6	2.6	94.7
Oakura	103	1.0	2.9	96.1
Milford	78	5.1	7.7	87.2
Sunny Hills	70	0	2.9	97.1
Sunnybrae	35	5.7	5.7	88.6
Tamaki	50	4.0	6.0	90.0
Torbay	77	2.6	6.5	90.9
St Clair	136	2.9	8.1	89.0
Visitors	n	yes	Not sure	no
Langs Beach	13	0	0	100.0
Waipu Cove	67	0	6.0	94.0
Omaha	7	0	0	100.0
Whangamata	35	0	2.9	97.1
Waihi Beach	24	4.2	4.2	91.7
Cooks Beach	32	0	0	100.0
Whitianga	51	0	2.0	98.0
Papamoa	76	3.9	6.6	89.5
Mount Maunganui	73	6.8	2.7	90.4
Pukehina	31	9.7	9.7	80.6
Ohope	90	1.1	6.7	92.2
Wainui	4	0	0	100.0
Te Awanga	20	0	0	100.0
New Brighton	10	0	0	100.0
Kaikoura	10	0	10.0	90.0

**Table 17** Which of the following does the respondent think make up the New Zealand's public tsunami warning system?

	N	Don't know	Sirens	Loud speaker announcements	Flashing lights	Radio and TV announcements	Door-to-door	Other
Langs Beach	43	44.2	23.3	7.0	4.7	51.2	9.3	0
Waipu Cove	11	36.4	27.3	9.1	0	63.6	9.1	0
Omaha	107	43.0	21.5	2.8	0.9	53.3	14.0	0
Whangamata	111	38.7	42.3	11.7	3.6	43.2	13.5	0
Waihi Beach	125	42.4	41.6	14.4	1.6	44.0	8.0	0.8
Cooks Beach	93	46.2	37.6	6.5	0	45.2	11.8	1.1
Whitianga	94	28.7	51.1	25.5	1.1	57.4	18.1	2.2
Papamoa	103	44.7	34.0	12.6	1.9	44.7	10.7	1.0
Mount Maunganui	135	46.7	25.9	9.6	0.7	37.8	5.9	0.7
Pukehina	73	49.3	38.4	15.1	2.7	38.4	13.7	1.4
Maketu	22	36.4	45.5	18.2	4.5	45.5	9.1	4.5
Coastlands	50	34.0	38.0	12.0	4.0	60.0	18.0	0
Ohope	134	38.8	39.6	5.2	3.0	52.2	11.9	0
Wainui	97	32.0	28.9	16.5	2.1	56.7	21.6	3.1
Westshore	126	23.8	65.9	10.3	3.2	61.1	15.9	0.8
Haumoana	49	38.8	51.0	8.2	2.0	36.7	18.4	0
Te Awanga	57	40.4	24.6	5.3	3.5	45.6	24.6	1.8
Riversdale	17	23.5	58.8	23.5	0	41.2	17.6	11.8
Castlepoint	23	34.8	39.1	21.7	0	34.8	8.7	8.7
Akitio	27	29.6	48.1	7.4	0	48.1	25.9	0
Oamaru	80	30.0	46.3	15.0	5.0	65.0	18.8	0
Riverton	48	37.5	47.9	14.6	4.2	43.8	12.5	2.1
New Brighton	56	46.4	32.1	10.1	0	46.4	19.6	0
South Shore	78	33.3	25.6	9.0	1.3	59.0	12.8	0
Sumner	52	42.3	46.2	7.7	0	53.8	13.5	1.9
Kaikoura	36	16.7	66.7	8.3	0	55.6	13.9	2.8
Waitarere	79	43.0	45.6	7.6	0	49.4	11.4	0
Foxton Beach	77	45.5	40.3	9.1	2.6	37.7	13.0	0
Castlecliff	81	30.9	65.4	9.9	4.9	43.2	17.3	1.2
Lyall Bay	45	31.1	28.9	13.3	2.2	57.8	28.9	4.4
Eastbourne	50	38.0	50.0	16.0	0	38.0	10.0	0
Seatoun	48	45.8	33.3	12.5	0	45.8	10.4	2.1
Raumati	167	32.3	52.1	10.2	1.2	53.9	8.4	0.6
Te Horo	40	17.5	70.0	5.0	0	60.0	15.0	0
Oakura	104	47.1	25.0	8.7	2.9	50.0	15.4	1.0
Milford	80	57.5	10.0	3.8	0	40.0	7.5	0
Sunny Hills	71	50.7	21.1	4.2	0	40.8	8.5	0
Sunnybrae	37	43.2	24.3	10.8	2.7	48.6	8.1	0
Tamaki	52	34.6	25.0	15.4	1.9	61.5	11.5	0
Torbay	78	59.0	12.8	6.4	0	41.0	9.0	1.3
St Clair	138	33.3	42.8	11.6	2.2	61.6	14.5	2.9
Visitors	n	Don't know	Sirens	Loud speaker announcements	Flashing lights	Radio and TV announcements	Door-to-door	Other
Langs Beach	13	53.8	15.4	23.1	0	46.2	23.1	0.0
Waipu Cove	71	42.3	18.3	14.1	1.4	50.7	11.3	1.4
Omaha	7	85.7	0	0	0	14.3	0	0.0
Whangamata	35	54.3	28.6	14.3	5.7	40.0	5.7	0
Waihi Beach	25	56.0	16.0	16.0	0	40.0	24.0	0
Cooks Beach	32	37.5	40.6	9.4	0	59.4	25.0	3.1
Whitianga	52	53.8	40.4	7.7	0	40.4	11.5	0
Papamoa	77	46.8	33.8	13.0	2.6	50.6	9.1	2.6
Mount Maunganui	75	44.0	30.7	16.0	1.3	45.3	10.7	0
Pukehina	31	54.8	32.3	6.5	3.2	35.5	0	0
Ohope	91	52.7	25.3	12.1	3.3	47.3	13.2	1.1
Wainui	4	50.0	25.0	50.0	0	75.0	25.0	0
Te Awanga	20	40.0	45.0	15.0	5.0	55.0	25.0	0
New Brighton	10	30.0	30.0	10.0	0	70.0	20.0	0
Kaikoura	10	70.0	20.0	10.0	0	20.0	0	0

**Table 18** In the event of a tsunami warning, what actions would the respondent take?

	n	Don't know	Stay Inside	Run Outside	Move Inland	Go to Shore	Stay Away	Listen to Radio	Climb onto roof	Other
Langs Beach	43	2.3	4.7	0	81.4	2.3	44.2	67.4	4.7	4.6
Waipu Cove	11	0	9.1	0	90.9	0	45.5	63.6	0	0
Omaha	107	0.9	0.9	0	95.3	0	43.9	64.5	1.9	4.7
Whangamata	111	2.7	0	0	87.4	1.8	39.6	61.3	2.7	2.7
Waihi Beach	125	3.2	1.6	0	87.2	0	38.4	54.4	5.6	0
Cooks Beach	93	2.2	0	0	91.4	1.1	33.3	59.1	5.4	2.2
Whitianga	94	2.1	3.2	2.1	93.6	1.1	48.9	71.3	3.2	5.3
Papamoa	103	3.9	2.9	1.0	83.5	0	47.6	68.9	4.9	2.9
Mount Maunganui	135	0.7	3.7	0.7	84.4	0.7	42.2	61.5	5.9	2.8
Pukehina	73	1.4	2.7	0	93.2	0	42.5	57.5	2.7	4.1
Maketu	22	4.5	4.5	4.5	77.3	0	36.4	63.6	0	4.5
Coastlands	50	2.0	0	4.0	80.0	0	34.0	58.0	2.0	0
Ohope	134	1.5	1.5	2.2	91.8	0.7	45.5	67.2	3.0	4.5
Wainui	97	1.0	1.0	2.1	94.8	0	40.2	61.9	3.1	4.1
Westshore	126	0	3.2	0	86.5	0.8	45.2	62.7	5.6	2.4
Haumoana	49	4.1	0	0	85.7	0	36.7	59.2	2.0	0
Te Awanga	57	3.5	0	1.8	89.5	0	40.4	52.6	10.5	1.8
Riversdale	17	0	5.9	0	94.1	5.9	35.3	41.2	5.9	0
Castlepoint	23	0	0	0	95.7	0	43.5	47.8	0	0
Akitio	27	0	0	3.7	100	0	59.3	48.1	0	0
Oamaru	80	1.3	2.5	0	88.8	0	46.3	68.8	1.3	1.3
Riverton	48	2.1	2.1	0	79.2	2.1	41.7	64.6	2.1	0
New Brighton	56	3.6	1.8	0	85.7	0	46.4	60.7	3.6	0
South Shore	78	0	0	0	92.3	1.3	53.8	65.4	5.1	1.3
Sumner	52	3.8	1.9	1.9	84.6	0	38.5	51.9	3.8	1.9
Kaikoura	36	0	0	0	94.4	0	41.7	58.3	0	11.1
Waitarere	79	3.8	1.3	2.5	88.6	0	57.0	65.8	3.8	0
Foxton Beach	77	1.3	2.6	0	81.8	0	46.8	74.0	2.6	0
Castlecliff	81	2.5	6.2	1.2	77.8	0	35.8	60.5	4.9	0
Lyall Bay	45	0	2.2	4.4	82.2	2.2	68.9	68.9	2.2	2.2
Eastbourne	50	2.0	2.0	2.0	86.0	0	52.0	68.0	4.0	4.0
Seatoun	48	6.3	2.1	0	87.5	0	47.9	64.6	2.1	0
Raumati	167	0.6	1.8	0	94.0	0	52.1	68.3	2.4	1.2
Te Horo	40	2.5	5.0	0	85.0	0	60.0	67.5	7.5	2.5
Oakura	104	1.0	2.9	0	86.5	0	50.0	69.2	1.0	1.0
Milford	80	1.3	1.3	0	81.3	0	31.3	48.8	1.3	1.3
Sunny Hills	71	5.6	1.4	1.4	76.1	0	47.9	50.7	1.4	0
Sunnybrae	37	0	5.4	0	78.4	0	48.6	73.0	0	0
Tamaki	52	1.9	0	3.8	82.7	1.9	48.1	67.3	7.7	0
Torbay	78	5.1	5.1	2.6	75.6	0	48.7	55.1	1.3	0
St Clair	138	2.2	2.9	0.7	87.7	0.7	51.4	72.5	2.2	1.4
Visitors	n	Don't know	Stay Inside	Run Outside	Move Inland	Go to Shore	Stay Away	Listen to Radio	Climb onto roof	Other
Langs Beach	13	0	0	0	100.0	0	76.9	92.3	7.7	7.7
Waipu Cove	71	4.2	0	0	81.7	1.4	38.0	53.5	2.8	4.2
Omaha	7	14.3	0	0	57.1	0	28.6	42.9	14.3	0
Whangamata	35	2.9	0	0	85.7	0	25.7	45.7	0	5.8
Waihi Beach	25	4.0	0	0	96.0	0	32.0	64.0	0	4.0
Cooks Beach	32	3.1	3.1	0	87.5	3.1	50.0	62.5	0	0
Whitianga	52	0	0	1.9	90.4	0	55.8	63.5	7.7	1.9
Papamoa	77	1.3	0	1.3	92.2	1.3	48.1	64.9	2.6	2.6
Mount Maunganui	75	6.7	1.3	2.7	89.3	0	36.0	56.0	5.3	1.3
Pukehina	31	3.2	9.7	3.2	87.1	3.2	29.0	48.4	9.7	6.4
Ohope	91	3.3	1.1	2.2	89.0	0	47.3	60.4	5.5	1.1
Wainui	4	0	0	0	100.0	0	50.0	25.0	0	0
Te Awanga	20	0	0	0	100.0	0	45.0	55.0	0	0
New Brighton	16	10.0	0	0	80.0	0	40.0	80.0	0	0
Kaikoura	10	20.0	0	0	80.0	0	30.0	30.0	10.0	0

**Table 19** Who does the respondent think is responsible for issuing tsunami warnings?

	n	Don't know	Central Government	Regional Council	Local Council	Local Civil Defence group	Police or Fire Service	NIWA or GNS
Langs Beach	43	23.3	7.0	7.0	7.0	51.2	25.6	14.0
Waipu Cove	11	18.2	0	27.3	27.3	63.6	45.5	45.5
Omaha	107	21.5	14.0	13.1	18.7	65.4	30.8	22.4
Whangamata	111	24.3	10.8	17.1	26.1	66.7	34.2	13.5
Waihi Beach	125	30.4	8.0	12.0	19.2	56.8	32.8	13.6
Cooks Beach	93	30.1	11.8	14.0	12.9	55.9	34.4	19.4
Whitianga	94	17.0	10.6	13.8	25.5	70.2	45.7	16.0
Papamoa	103	31.1	5.8	11.7	9.7	61.2	25.2	18.4
Mount Maunganui	135	26.7	2.2	14.1	20.0	63.0	23.7	14.1
Pukehina	73	20.5	9.6	11.0	11.0	72.6	34.2	9.6
Maketu	22	22.7	9.1	22.7	22.7	68.2	45.5	9.1
Coastlands	50	20.0	6.0	26.0	36.0	72.0	27.0	18.0
Ohope	134	23.1	8.2	24.6	18.7	61.9	28.4	17.2
Wainui	97	25.8	9.3	17.5	26.8	71.1	28.9	15.5
Westshore	126	17.5	6.3	15.1	27.8	74.6	34.9	18.3
Haumoana	49	34.7	12.2	20.4	14.3	57.1	42.9	16.3
Te Awanga	57	24.6	8.8	21.1	14.0	64.9	42.1	15.8
Riversdale	17	23.5	17.6	17.6	29.4	64.7	23.5	23.5
Castlepoint	23	30.4	4.3	30.4	21.7	56.5	39.1	13.0
Akitio	27	33.3	14.8	3.7	3.7	51.9	51.9	22.2
Oamaru	80	20.0	7.5	16.3	17.5	73.8	45.0	16.3
Riverton	48	22.9	6.3	18.8	18.8	66.7	45.8	18.8
New Brighton	56	25.0	10.7	19.6	21.4	60.7	33.9	14.3
South Shore	78	24.4	12.8	24.4	15.4	61.5	29.5	16.7
Sumner	52	30.8	9.6	21.2	25.0	53.8	34.6	15.4
Kaikoura	36	11.1	8.3	16.7	33.3	77.8	33.3	11.1
Waitarere	79	31.6	11.4	17.7	13.9	54.4	36.7	15.2
Foxton Beach	77	29.9	13.0	14.3	16.9	49.4	35.1	16.9
Castlecliff	81	21.0	12.3	11.1	21.0	72.8	22.2	16.0
Lyall Bay	45	37.8	4.4	13.3	15.6	55.6	31.1	13.3
Eastbourne	50	26.0	12.0	16.0	14.0	58.0	44.0	24.0
Seatoun	48	27.1	12.5	18.8	12.5	60.4	37.5	18.8
Raumati	167	22.8	7.8	11.4	31.7	64.1	35.9	15.0
Te Horo	40	22.5	20.0	20.0	47.5	52.5	30.0	17.5
Oakura	104	27.9	7.7	8.7	10.6	64.4	30.8	18.3
Milford	80	31.3	13.8	15.0	25.0	60.0	26.3	18.8
Sunny Hills	71	36.6	5.6	14.1	12.7	54.9	19.7	14.1
Sunnybrae	37	13.5	16.2	8.1	13.5	67.6	29.7	35.1
Tamaki	52	15.4	17.3	13.5	13.5	59.6	30.8	25.0
Torbay	78	32.1	7.7	16.7	14.1	57.7	16.7	9.0
St Clair	138	21.7	8.7	19.6	31.2	71.7	39.1	19.6
Visitors	n	Don't know	Central Government	Regional Council	Local Council	Local Civil Defence group	Police or Fire Service	NIWA or GNS
Langs Beach	13	38.5	7.7	7.7	7.7	53.8	30.8	23.1
Waipu Cove	71	19.7	12.7	8.5	14.1	70.4	36.6	29.6
Omaha	7	14.3	28.6	14.3	0	71.4	14.3	14.3
Whangamata	35	37.1	8.6	5.7	5.7	45.7	22.9	14.3
Waihi Beach	25	24.0	16.0	4.0	8.0	56.0	36.0	16.0
Cooks Beach	32	15.6	21.9	15.6	18.8	71.9	46.9	25.0
Whitianga	52	30.8	15.4	11.5	11.5	57.7	42.3	15.4
Papamoa	77	24.7	7.8	9.1	13.0	67.5	29.9	16.9
Mount Maunganui	75	34.7	8.0	18.7	24.0	56.0	29.3	21.3
Pukehina	31	25.8	9.7	9.7	12.9	58.1	22.6	16.1
Ohope	91	26.4	6.6	8.8	15.4	64.8	29.7	24.2
Wainui	4	25.0	0	25.0	0	100.0	25.0	25.0
Te Awanga	20	20.0	15.0	25.0	20.0	75.0	40.0	20.0
New Brighton	10	20.0	10.0	20.0	10.0	80.0	40.0	10.0
Kaikoura	10	60.0	10.0	0	10.0	10.0	30.0	0

**Table 20** How much time will the respondent have to move to safety if they hear the warning?

	n	Don't know	A few minutes	10 minutes to half an hour	Half an hour to one hour	1-2 hours	More than 2 hours
Langs Beach	40	47.5	15.0	12.5	10.0	7.5	7.5
Waipu Cove	11	36.4	27.3	18.2	9.1	0	9.1
Omaha	105	42.9	6.7	17.1	12.4	10.5	10.5
Whangamata	105	37.1	21.9	19.0	11.4	9.5	1.0
Waihi Beach	122	40.2	23.0	18.0	10.7	7.4	0.8
Cooks Beach	90	48.9	14.4	18.9	7.8	2.2	7.8
Whitianga	93	35.5	14.0	28.0	6.5	11.8	4.3
Papamoa	98	45.9	16.3	20.4	12.2	3.1	2.0
Mount Maunganui	125	52.8	16.0	12.0	11.2	7.2	0.8
Pukehina	72	45.8	20.8	19.4	5.6	2.8	5.6
Maketu	21	42.9	28.6	14.3	9.5	0	4.8
Coastlands	48	37.5	18.8	25.0	6.3	6.3	6.3
Ohope	131	32.8	28.2	22.1	6.9	6.1	3.8
Wainui	95	44.2	22.1	26.3	2.1	4.2	1.1
Westshore	124	37.1	18.5	26.6	7.3	5.6	4.8
Haumoana	49	40.8	20.4	24.5	8.2	2.0	4.1
Te Awanga	56	50.0	19.6	17.9	7.1	3.6	1.8
Riversdale	16	25.0	56.3	18.8	0	0	0
Castlepoint	22	36.4	27.3	18.2	4.5	4.5	9.1
Akitio	26	26.9	53.8	11.5	3.8	0	3.8
Oamaru	77	42.9	16.9	20.8	10.4	2.6	6.5
Riverton	47	46.8	10.6	25.5	2.1	6.4	8.5
New Brighton	54	44.4	14.8	27.8	1.9	3.7	7.4
South Shore	74	35.1	9.5	13.5	16.2	10.8	14.9
Sumner	50	38.0	16.0	24.0	6.0	8.0	8.0
Kaikoura	35	34.3	20.0	28.6	11.4	5.7	0
Waitarere	79	57.0	11.4	16.5	5.1	5.1	5.1
Foxton Beach	75	41.3	20.0	20.0	12.0	6.7	0
Castlecliff	80	46.3	16.3	17.5	8.8	3.8	7.5
Lyall Bay	45	44.4	24.4	22.2	6.7	0	2.2
Eastbourne	47	44.7	36.2	12.8	2.1	2.1	2.1
Seatoun	46	30.4	21.7	26.1	17.4	4.3	0
Raumati	159	34.0	23.9	24.5	11.3	4.4	1.9
Te Horo	38	44.7	21.1	21.1	7.9	2.6	2.6
Oakura	102	41.2	20.6	14.7	7.8	5.9	9.8
Milford	76	50.0	11.8	7.9	5.3	10.5	14.5
Sunny Hills	69	58.0	7.2	17.4	10.1	1.4	5.8
Sunnybrae	34	26.5	26.5	20.6	8.8	5.9	11.8
Tamaki	48	33.3	22.9	20.8	10.4	6.3	6.3
Torbay	74	44.6	20.3	6.8	12.2	8.1	8.1
St Clair	132	40.2	20.58	13.6	15.2	7.3	3.0
Visitors	n	Don't know	A few minutes	10 minutes to half an hour	Half an hour to one hour	1-2 hours	More than 2 hours
Langs Beach	13	38.5	15.4	30.8	15.4	0	0
Waipu Cove	68	47.1	4.4	16.2	8.8	4.4	19.1
Omaha	6	66.7	16.7	16.7	0	0	0
Whangamata	34	41.2	17.6	14.7	14.7	11.8	0
Waihi Beach	25	48.0	20.0	12.0	20.0	0	0
Cooks Beach	31	38.7	29.0	12.9	19.4	0	0
Whitianga	52	59.6	11.5	15.4	7.7	5.8	0
Papamoa	77	44.2	10.4	15.6	6.5	9.1	14.3
Mount Maunganui	75	46.7	13.3	10.7	9.3	8.0	12.0
Pukehina	30	53.3	13.3	13.3	10.0	6.7	3.3
Ohope	90	54.4	12.2	14.4	4.4	8.9	5.6
Wainui	4	75.0	0	0	0	0	25.0
Te Awanga	20	30.0	25.0	20.0	20.0	5.0	0
New Brighton	10	50.0	0	30.0	10.0	10.0	0
Kaikoura	9	55.6	22.2	11.1	11.1	0	0

**Table 21** If the respondent feels a strong earthquake while at the beach, how much time will they have to move to safety from any approaching tsunami it may cause?

	n	Don't know	A few minutes	10 minutes to half an hour	Half an hour to one hour	1-2 hours	More than 2 hours
Langs Beach	40	50.0	20.0	25.0	5.0	0	0
Waipu Cove	11	54.5	27.3	0	9.1	0	9.1
Omaha	105	47.6	21.0	16.2	4.8	4.8	5.7
Whangamata	105	42.9	25.7	17.1	6.7	6.7	1.0
Waihi Beach	122	43.4	24.6	22.1	9.0	0	0.8
Cooks Beach	89	57.3	22.5	13.5	1.1	2.2	3.4
Whitianga	93	37.6	20.4	22.6	8.6	4.3	6.5
Papamoa	99	53.5	16.2	21.2	7.1	2.0	0
Mount Maunganui	126	52.4	25.4	12.7	4.0	3.2	2.4
Pukehina	72	45.8	22.2	18.1	8.3	2.8	2.8
Maketu	21	38.1	33.3	19.0	0	0	9.5
Coastlands	49	36.7	32.7	18.4	8.2	2.0	2.0
Ohope	133	37.6	31.6	24.1	4.5	1.5	0.8
Wainui	95	46.3	27.4	20.0	1.1	3.2	2.1
Westshore	124	42.1	28.1	18.2	5.8	3.3	2.5
Haumoana	46	50.0	28.3	10.9	6.5	0	4.3
Te Awanga	56	44.6	35.7	19.6	0	0	0
Riversdale	17	17.6	52.9	5.9	11.8	5.9	5.9
Castlepoint	23	47.8	26.1	13.0	8.7	4.3	0
Akitio	27	40.7	48.1	7.4	3.4	0	0
Oamaru	76	52.6	31.6	7.9	2.6	2.6	2.6
Riverton	47	48.9	34.0	10.6	2.1	2.1	2.1
New Brighton	54	51.9	27.8	13.0	5.6	1.9	0
South Shore	77	44.2	27.3	18.2	5.2	1.3	3.9
Sumner	49	34.7	38.8	14.3	4.1	6.1	2.0
Kaikoura	35	42.9	31.4	17.1	8.6	0	0
Waitarere	79	54.4	20.3	17.7	2.5	1.3	3.8
Foxton Beach	75	50.7	14.7	17.3	9.3	6.7	1.3
Castlecliff	79	39.2	32.9	17.7	8.9	1.3	0
Lyll Bay	45	40.0	26.7	24.4	6.7	0	2.2
Eastbourne	48	37.5	43.8	10.4	8.3	0	0
Seatoun	46	37.0	28.3	32.6	2.2	0	0
Raumati	160	32.5	35.6	18.8	8.1	5.0	0
Te Horo	38	50.0	7.9	23.7	13.2	5.3	0
Oakura	102	47.1	30.4	14.7	2.0	3.9	2.0
Milford	77	46.8	24.7	15.6	6.5	0	6.5
Sunny Hills	70	58.6	27.1	7.1	2.9	1.4	2.9
Sunnybrae	35	22.9	54.3	11.4	5.7	5.7	0
Tamaki	48	33.3	33.3	22.9	6.3	2.1	2.1
Torbay	77	41.6	37.7	14.3	2.6	3.9	0
St Clair	131	42.0	35.1	10.7	8.4	2.3	1.5
Visitors	n	Don't know	A few minutes	10 minutes to half an hour	Half an hour to one hour	1-2 hours	More than 2 hours
Langs Beach	13	30.8	53.8	7.7	7.7	0	0
Waipu Cove	68	45.6	20.6	14.7	11.8	4.4	2.9
Omaha	7	6	66.7	16.7	16.7	0	0
Whangamata	34	44.1	41.2	8.82	2.9	2.9	0
Waihi Beach	25	48.0	20.0	20.0	12.0	0	0
Cooks Beach	31	38.7	35.5	16.1	6.5	3.2	0
Whitianga	52	59.6	21.2	17.3	0	1.9	0
Papamoa	77	54.5	23.4	13.0	3.9	1.3	3.9
Mount Maunganui	74	51.4	20.3	14.9	5.4	2.7	5.4
Pukehina	29	51.7	17.2	20.7	6.9	3.4	0
Ohope	91	50.5	25.3	14.3	2.2	3.3	4.4
Wainui	4	100.0	0	0	0	0	0
Te Awanga	20	45.0	15.0	20.0	15.0	0	5.0
New Brighton	10	60.0	20.0	20.0	0	0	0
Kaikoura	10	60	40.0	0	0	0	0

**Table 22** For each statement, the mean is of all responses to this question on a scale from 1 (Not at all) to 5 (A great deal)

a) The respondent thinks about tsunami

	n	Mean	Standard Deviation
Langs Beach	40	1.50	0.751
Waipu Cove	10	1.80	1.135
Omaha	102	1.69	0.901
Whangamata	102	1.98	1.024
Waihi Beach	118	1.67	0.897
Cooks Beach	90	1.63	0.827
Whitianga	92	2.08	1.019
Papamoa	95	2.17	1.078
Mount Maunganui	116	2.06	0.989
Pukehina	66	1.95	0.968
Maketu	20	2.60	1.046
Coastlands	49	2.12	0.971
Ohope	124	2.07	0.956
Wainui	96	2.19	1.019
Westshore	117	2.00	0.900
Haumoana	45	2.09	1.125
Te Awanga	54	2.11	1.022
Riversdale	16	2.56	1.094
Castlepoint	23	2.00	0.853
Akitio	25	2.04	0.790
Oamaru	73	1.93	1.097
Riverton	44	1.66	0.861
New Brighton	53	2.09	1.005
South Shore	76	2.26	0.822
Sumner	49	2.41	1.117
Kaikoura	33	2.12	1.053
Waitarere	77	1.91	1.066
Foxton Beach	71	1.79	0.877
Castlecliff	77	1.87	0.937
Lyll Bay	43	2.40	1.050
Eastbourne	46	1.93	0.952
Seatoun	44	2.18	1.105
Raumati	158	2.10	0.972
Te Horo	38	2.03	1.026
Oakura	101	1.60	0.788
Milford	77	1.82	1.022
Sunny Hills	68	1.68	0.871
Sunnybrae	34	1.68	0.843
Tamaki	44	1.91	0.984
Torbay	75	1.77	0.953
St Clair	127	1.83	0.944
Visitors	n	Mean	Standard Deviation
Langs Beach	13	1.38	0.506
Waipu Cove	66	1.48	0.864
Omaha	7	1.29	0.488
Whangamata	34	1.94	0.983
Waihi Beach	24	2.04	1.083
Cooks Beach	30	1.60	0.770
Whitianga	51	1.61	0.961
Papamoa	76	1.87	0.838
Mount Maunganui	72	1.99	0.971
Pukehina	27	2.41	1.366
Ohope	89	1.80	0.967
Wainui	4	3.00	0.816
Te Awanga	19	1.89	0.994
New Brighton	10	1.90	0.994
Kaikoura	8	2.00	0.926



b) The respondent talks about tsunami

	n	Mean	Standard Deviation
Langs Beach	39	1.31	0.521
Waipu Cove	10	1.30	0.675
Omaha	97	1.41	0.673
Whangamata	91	1.62	0.866
Waihi Beach	111	1.39	0.690
Cooks Beach	86	1.35	0.526
Whitianga	86	1.76	0.920
Papamoa	93	1.80	1.006
Mount Maunganui	112	1.74	0.898
Pukehina	66	1.71	0.907
Maketu	20	2.30	0.923
Coastlands	48	1.77	0.722
Ohope	122	1.67	0.838
Wainui	93	1.77	0.809
Westshore	109	1.65	0.738
Haumoana	44	1.75	0.892
Te Awanga	53	1.81	0.982
Riversdale	13	2.62	1.261
Castlepoint	22	1.77	0.869
Akitio	25	1.76	0.597
Oamaru	68	1.47	0.722
Riverton	40	1.40	0.632
New Brighton	49	1.80	0.979
South Shore	72	1.88	0.786
Sumner	46	2.09	0.985
Kaikoura	29	1.86	1.060
Waitarere	73	1.58	0.896
Foxton Beach	65	1.46	0.709
Castlecliff	73	1.52	0.801
Lyll Bay	41	1.98	1.012
Eastbourne	45	1.73	0.863
Seatoun	44	1.86	1.091
Raumati	156	1.84	0.876
Te Horo	37	1.78	0.821
Oakura	97	1.39	0.730
Milford	74	1.46	0.744
Sunny Hills	65	1.38	0.678
Sunnybrae	33	1.61	0.827
Tamaki	42	1.62	0.854
Torbay	72	1.49	0.787
St Clair	123	1.56	0.860

Visitors	n	Mean	Standard Deviation
Langs Beach	12	1.25	0.452
Waipu Cove	67	1.33	0.705
Omaha	7	1.29	0.488
Whangamata	33	1.58	0.751
Waihi Beach	21	1.62	0.669
Cooks Beach	30	1.43	0.728
Whitianga	50	1.48	0.677
Papamoa	75	1.60	0.771
Mount Maunganui	71	1.68	0.922
Pukehina	25	2.00	1.291
Ohope	89	1.58	0.837
Wainui	2	2.25	1.893
Te Awanga	19	1.53	0.612
New Brighton	9	1.78	0.972
Kaikoura	9	1.67	0.707

c) The respondent gets information on tsunami

	n	Mean	Standard Deviation
Langs Beach	38	1.18	0.393
Waipu Cove	10	1.20	0.632
Omaha	98	1.21	0.561
Whangamata	87	1.31	0.634
Waihi Beach	110	1.25	0.627
Cooks Beach	83	1.19	0.480
Whitianga	79	1.34	0.749
Papamoa	89	1.33	0.636
Mount Maunganui	105	1.22	0.537
Pukehina	60	1.30	0.619
Maketu	19	1.68	0.946
Coastlands	48	1.40	0.707
Ohope	120	1.42	0.763
Wainui	89	1.40	0.719
Westshore	107	1.47	0.756
Haumoana	44	1.34	0.713
Te Awanga	50	1.42	0.758
Riversdale	14	2.36	1.598
Castlepoint	20	1.55	0.887
Akitio	25	1.32	0.476
Oamaru	64	1.20	0.671
Riverton	39	1.18	0.506
New Brighton	47	1.53	0.975
South Shore	68	1.47	0.701
Sumner	40	1.48	0.877
Kaikoura	28	1.50	0.923
Waitarere	73	1.38	0.793
Foxton Beach	64	1.33	0.691
Castlecliff	74	1.30	0.656
Lyll Bay	40	1.30	0.723
Eastbourne	43	1.26	0.658
Seatoun	45	1.49	0.843
Raumati	153	1.47	0.761
Te Horo	35	1.49	0.818
Oakura	96	1.19	0.466
Milford	73	1.18	0.481
Sunny Hills	65	1.14	0.429
Sunnybrae	34	1.47	0.825
Tamaki	50	1.36	0.759
Torbay	70	1.17	0.481
St Clair	118	1.29	0.571

Visitors	n	Mean	Standard Deviation
Langs Beach	12	1.00	0.000
Waipu Cove	63	1.17	0.423
Omaha	7	1.29	0.756
Whangamata	33	1.12	0.415
Waihi Beach	20	1.35	0.587
Cooks Beach	29	1.17	0.539
Whitianga	50	1.14	0.405
Papamoa	72	1.25	0.575
Mount Maunganui	69	1.32	0.795
Pukehina	25	1.28	0.843
Ohope	87	1.18	0.445
Wainui	4	2.00	2.000
Te Awanga	18	1.28	0.752
New Brighton	9	1.00	0.000
Kaikoura	9	1.33	0.707

d) The respondent thinks tsunami could pose a threat to my personal safety

	n	Mean	Standard Deviation
Langs Beach	39	1.92	1.082
Waipu Cove	10	2.50	1.650
Omaha	98	2.26	1.334
Whangamata	96	2.58	1.434
Waihi Beach	116	2.64	1.328
Cooks Beach	85	2.39	1.226
Whitianga	77	2.86	1.487
Papamoa	97	2.97	1.326
Mount Maunganui	113	2.80	1.283
Pukehina	65	3.03	1.346
Maketu	20	3.00	1.257
Coastlands	49	2.84	1.196
Ohope	126	2.60	1.279
Wainui	93	2.84	1.346
Westshore	116	2.86	1.278
Haumoana	47	3.15	1.429
Te Awanga	54	3.09	1.377
Riversdale	15	3.27	0.961
Castlepoint	23	1.87	0.920
Akitio	26	3.00	1.356
Oamaru	67	2.52	1.407
Riverton	45	2.42	1.406
New Brighton	51	2.69	1.334
South Shore	75	3.11	1.311
Sumner	48	2.83	1.209
Kaikoura	33	3.06	1.273
Waitarere	75	2.80	1.433
Foxton Beach	67	2.54	1.418
Castlecliff	75	2.20	1.305
Lyll Bay	43	3.44	1.259
Eastbourne	46	2.98	1.453
Seatoun	45	3.13	1.160
Raumati	158	2.50	1.198
Te Horo	37	2.46	1.346
Oakura	99	2.41	1.666
Milford	74	2.39	1.373
Sunny Hills	66	2.29	1.298
Sunnybrae	34	2.12	1.038
Tamaki	45	2.80	1.471
Torbay	74	2.01	1.079
St Clair	129	2.55	1.323

Visitors	n	Mean	Standard Deviation
Langs Beach	12	2.67	1.557
Waipu Cove	68	2.59	1.538
Omaha	7	1.71	0.951
Whangamata	33	2.36	1.432
Waihi Beach	24	2.96	1.367
Cooks Beach	30	2.07	1.230
Whitianga	50	1.94	1.132
Papamoa	75	2.42	1.239
Mount Maunganui	71	2.49	1.330
Pukehina	28	2.46	1.478
Ohope	90	2.39	1.269
Wainui	4	4.00	0.816
Te Awanga	19	2.26	1.447
New Brighton	9	2.33	1.225
Kaikoura	10	2.20	1.317

e) The respondent thinks tsunami could pose a threat to their daily activities (such as work, leisure or property)

	n	Mean	Standard Deviation
Langs Beach	39	2.15	1.247
Waipu Cove	11	2.45	1.635
Omaha	99	2.21	1.311
Whangamata	95	2.48	1.458
Waihi Beach	118	2.55	1.448
Cooks Beach	85	2.39	1.390
Whitianga	87	2.92	1.542
Papamoa	96	3.02	1.414
Mount Maunganui	115	2.83	1.376
Pukehina	64	3.00	1.447
Maketu	19	3.05	1.311
Coastlands	48	3.13	3.349
Ohope	127	2.58	1.394
Wainui	94	2.84	1.424
Westshore	114	2.83	1.376
Haumoana	48	3.33	1.492
Te Awanga	53	3.34	1.467
Riversdale	15	3.20	1.146
Castlepoint	23	2.13	1.424
Akitio	25	3.08	1.579
Oamaru	68	2.49	1.471
Riverton	45	2.56	1.575
New Brighton	51	2.61	1.484
South Shore	76	3.18	1.324
Sumner	46	2.91	1.411
Kaikoura	32	3.13	1.289
Waitarere	75	2.81	1.458
Foxton Beach	70	2.44	1.400
Castlecliff	75	2.33	1.369
Lyll Bay	43	3.40	1.383
Eastbourne	43	3.16	1.413
Seatoun	44	3.05	1.293
Raumati	157	2.55	1.303
Te Horo	38	2.42	1.407
Oakura	99	2.44	1.394
Milford	74	2.45	1.406
Sunny Hills	65	2.08	1.303
Sunnybrae	34	2.15	1.077
Tamaki	44	2.86	1.488
Torbay	72	2.06	1.255
St Clair	128	2.68	1.414

Visitors	n	Mean	Standard Deviation
Langs Beach	12	1.83	1.337
Waipu Cove	66	2.45	1.551
Omaha	7	1.00	0.000
Whangamata	33	2.27	1.625
Waihi Beach	25	2.76	1.562
Cooks Beach	31	1.77	1.257
Whitianga	49	1.69	1.084
Papamoa	75	2.25	1.347
Mount Maunganui	71	2.20	1.380
Pukehina	25	2.24	1.363
Ohope	90	2.17	1.335
Wainui	4	2.75	1.258
Te Awanga	20	2.35	1.424
New Brighton	9	2.11	1.269
Kaikoura	9	1.56	0.726

**Table 23** To what extent does the respondent agree that: (for each statement, the mean is of all responses to this question on a scale from 1 (Strongly agree) to 5 (Strongly disagree).

a) Tsunami are too destructive to bother preparing for

	n	Mean	Standard Deviation
Langs Beach	37	3.57	1.345
Waipu Cove	10	3.20	1.229
Omaha	97	3.42	1.360
Whangamata	93	3.35	1.348
Waihi Beach	115	3.10	1.287
Cooks Beach	86	3.06	1.417
Whitianga	88	3.18	1.443
Papamoa	96	3.20	1.366
Mount Maunganui	113	3.13	1.320
Pukehina	64	3.39	1.280
Maketu	20	4.40	0.821
Coastlands	47	3.19	1.498
Ohope	126	3.54	1.306
Wainui	90	3.39	1.269
Westshore	112	3.37	1.409
Haumoana	44	3.48	1.372
Te Awanga	51	3.47	1.270
Riversdale	14	3.00	1.301
Castlepoint	22	3.23	1.232
Akitio	27	3.00	1.544
Oamaru	72	3.64	1.407
Riverton	42	3.45	1.452
New Brighton	52	3.56	1.474
South Shore	70	3.37	1.287
Sumner	49	3.92	1.256
Kaikoura	33	3.76	1.275
Waitarere	76	3.43	1.482
Foxton Beach	64	3.48	1.414
Castlecliff	72	3.18	1.387
Lyll Bay	42	3.93	1.197
Eastbourne	46	3.20	1.455
Seatoun	44	3.93	1.208
Raumati	146	3.47	1.249
Te Horo	37	3.22	1.456
Oakura	92	3.40	1.335
Milford	75	3.59	1.231
Sunny Hills	67	3.39	1.290
Sunnybrae	36	3.78	1.045
Tamaki	47	3.51	1.231
Torbay	70	3.56	1.400
St Clair	123	3.53	1.375

Visitors	n	Mean	Standard Deviation
Langs Beach	12	3.75	1.485
Waipu Cove	61	3.61	1.333
Omaha	7	3.71	1.254
Whangamata	32	3.78	1.313
Waihi Beach	23	3.87	1.254
Cooks Beach	30	3.47	1.432
Whitianga	48	3.71	1.383
Papamoa	75	3.56	1.222
Mount Maunganui	72	3.31	1.380
Pukehina	26	3.08	1.354
Ohope	88	3.70	1.176
Wainui	4	3.50	0.577
Te Awanga	19	3.05	1.393
New Brighton	8	4.38	0.744
Kaikoura	9	3.00	1.803

b) Tsunami damage is unlikely to occur during their lifetime

	n	Mean	Standard Deviation
Langs Beach	39	2.87	1.174
Waipu Cove	11	2.45	0.934
Omaha	102	2.68	1.260
Whangamata	96	2.83	1.158
Waihi Beach	117	2.64	1.178
Cooks Beach	89	2.63	1.210
Whitianga	92	3.20	1.251
Papamoa	95	3.00	1.111
Mount Maunganui	120	2.77	1.117
Pukehina	69	3.04	1.206
Maketu	19	3.68	1.336
Coastlands	47	3.04	1.141
Ohope	127	2.93	1.210
Wainui	93	3.01	1.238
Westshore	115	2.84	1.218
Haumoana	45	3.22	1.146
Te Awanga	54	2.93	1.195
Riversdale	15	2.87	1.125
Castlepoint	23	2.57	1.343
Akitio	26	3.12	1.306
Oamaru	68	2.93	1.262
Riverton	44	2.73	1.575
New Brighton	49	2.82	1.202
South Shore	70	2.93	1.121
Sumner	50	2.94	1.236
Kaikoura	31	3.32	0.979
Waitarere	76	2.59	1.288
Foxton Beach	70	2.46	1.163
Castlecliff	73	2.41	1.223
Lyll Bay	41	3.34	1.015
Eastbourne	45	2.93	1.195
Seatoun	44	3.14	1.047
Raumati	154	2.72	1.158
Te Horo	38	2.95	1.272
Oakura	98	2.53	1.159
Milford	77	2.51	1.273
Sunny Hills	68	2.44	1.189
Sunnybrae	36	2.89	1.090
Tamaki	48	2.92	1.412
Torbay	76	2.80	1.286
St Clair	126	2.83	1.151

Visitors	n	Mean	Standard Deviation
Langs Beach	13	3.08	0.862
Waipu Cove	64	2.75	1.234
Omaha	7	2.14	0.900
Whangamata	32	2.75	1.244
Waihi Beach	23	3.22	1.126
Cooks Beach	31	2.81	1.195
Whitianga	49	2.80	1.291
Papamoa	75	2.99	1.191
Mount Maunganui	71	3.25	1.295
Pukehina	26	2.96	0.871
Ohope	90	3.30	1.293
Wainui	4	4.25	0.500
Te Awanga	19	3.05	1.224
New Brighton	10	2.70	1.494
Kaikoura	8	3.13	0.835

c) It is unnecessary to prepare for tsunami as assistance will be provided by local/regional councils or Civil Defence

	n	Mean	Standard Deviation
Langs Beach	38	3.79	1.018
Waipu Cove	10	3.20	1.317
Omaha	93	3.77	1.095
Whangamata	95	3.77	1.171
Waihi Beach	109	3.61	1.202
Cooks Beach	86	3.62	1.118
Whitianga	89	3.69	1.183
Papamoa	89	4.09	1.083
Mount Maunganui	111	3.80	1.127
Pukehina	65	3.92	1.005
Maketu	21	3.05	1.746
Coastlands	47	3.79	1.122
Ohope	124	3.96	1.077
Wainui	91	3.79	1.179
Westshore	108	4.00	1.094
Haumoana	42	3.86	1.095
Te Awanga	51	3.98	1.086
Riversdale	14	4.14	0.770
Castlepoint	21	3.52	1.209
Akitio	26	3.85	1.223
Oamaru	66	3.79	1.170
Riverton	39	3.82	1.121
New Brighton	51	3.80	1.327
South Shore	69	4.06	1.027
Sumner	49	4.12	1.111
Kaikoura	33	3.76	1.200
Waitarere	71	3.86	1.175
Foxton Beach	64	3.86	1.111
Castlecliff	70	3.60	1.244
Lyll Bay	42	4.10	0.906
Eastbourne	46	3.87	1.222
Seatoun	45	4.00	1.044
Raumati	148	3.82	1.188
Te Horo	37	4.08	0.954
Oakura	94	3.74	1.154
Milford	75	3.72	1.225
Sunny Hills	66	3.39	1.299
Sunnybrae	36	3.42	1.025
Tamaki	46	3.70	1.227
Torbay	71	2.90	1.523
St Clair	127	3.75	1.195

Visitors	n	Mean	Standard Deviation
Langs Beach	12	3.83	1.467
Waipu Cove	64	3.73	1.058
Omaha	7	4.00	0.816
Whangamata	30	3.87	1.252
Waihi Beach	23	4.00	1.243
Cooks Beach	29	3.66	1.396
Whitianga	48	3.75	1.313
Papamoa	75	3.84	1.163
Mount Maunganui	71	3.72	1.278
Pukehina	25	3.92	1.320
Ohope	88	3.95	1.174
Wainui	4	4.25	0.957
Te Awanga	19	4.05	1.079
New Brighton	10	3.60	1.578
Kaikoura	9	3.22	1.641

d) The respondent's property will never be damaged by a tsunami

	n	Mean	Standard Deviation
Langs Beach	40	2.70	1.344
Waipu Cove	10	3.10	1.197
Omaha	94	3.40	1.139
Whangamata	96	3.65	1.095
Waihi Beach	114	3.45	1.176
Cooks Beach	87	3.47	1.189
Whitianga	88	3.77	1.257
Papamoa	92	3.63	1.290
Mount Maunganui	115	3.66	1.131
Pukehina	63	4.00	1.078
Maketu	21	3.05	1.746
Coastlands	47	3.66	1.238
Ohope	129	3.68	1.192
Wainui	92	3.51	1.191
Westshore	110	3.79	1.174
Haumoana	44	3.93	1.129
Te Awanga	50	4.08	1.104
Riversdale	14	4.07	0.730
Castlepoint	20	3.10	1.410
Akitio	27	3.78	1.528
Oamaru	67	3.70	1.181
Riverton	43	3.09	1.493
New Brighton	51	3.69	1.319
South Shore	69	3.78	1.223
Sumner	50	3.96	1.142
Kaikoura	34	3.24	1.499
Waitarere	74	3.53	1.230
Foxton Beach	68	3.29	1.383
Castlecliff	77	2.92	1.355
Lyll Bay	41	3.85	1.108
Eastbourne	45	3.73	1.214
Seatoun	45	4.07	0.915
Raumati	151	3.53	1.274
Te Horo	37	3.62	1.187
Oakura	100	2.95	1.321
Milford	78	3.18	1.277
Sunny Hills	67	3.06	1.290
Sunnybrae	37	2.05	0.970
Tamaki	46	3.63	1.236
Torbay	71	2.90	1.523
St Clair	130	3.49	1.348



The following set of tables refers to any information the respondent may have received about tsunami and what can be done to prepare for them:

**Table 24** Has the respondent heard or received any information about preparing for tsunami hazards from any of the following? (Ticked all that apply)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
n	43	11	107	111	125	93	94	103	135	73	22	50	134	97	126
I haven't heard or received any information	62.8	81.8	76.6	69.4	75.2	68.8	61.7	66.0	65.9	63.0	54.5	58.0	58.2	48.5	60.3
Friends	4.7	0	4.7	3.6	4.0	5.4	9.6	1.9	2.2	6.8	0	8.0	3.7	3.1	3.2
Neighbours	4.7	0	2.8	0	1.6	1.1	4.3	3.9	3.7	6.8	4.5	4.0	2.2	2.1	3.2
Relatives	2.3	0	2.8	0.9	0.8	2.2	1.1	2.9	3.0	5.5	0	4.0	4.5	0	0.8
Central Govt Agencies	4.7	0	3.7	1.8	0.8	1.1	6.4	5.8	3.7	5.5	4.5	6.0	6.0	6.2	4.0
Regional Council	7.0	9.1	6.5	3.6	5.6	4.3	6.4	9.7	8.1	11.0	18.2	20.0	16.4	11.3	7.9
Local Council	9.3	0	8.4	5.4	3.2	2.2	7.4	13.6	10.4	9.6	18.2	8.0	6.0	13.4	17.5
Local CD	18.6	0	12.1	9.0	10.4	4.3	22.3	18.5	14.1	16.4	22.7	10.0	15.7	33.0	27.8
Business Establishments	2.3	0	0.9	0.9	0.8	2.2	1.1	1.0	0.7	4.1	0	0	0	0	0.8
Research Organisations	2.3	9.1	4.7	3.6	4.0	4.3	5.3	5.8	6.7	2.7	13.6	6.0	3.7	4.1	7.9
My workplace	4.7	0	1.9	0	0	3.2	7.4	1.9	0.7	2.7	0	8.0	6.0	2.1	3.2
My child's school	2.3	0	0.9	0	1.6	1.1	1.1	1.9	0	2.7	0	2.0	3.7	2.1	1.6
Other	4.6	0	3.7	3.6	5.6	28.9	9.6	3.9	7.4	12.3	0	6.0	6.7	9.3	4.8

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
n	49	57	17	23	27	80	48	56	78	52	36	79	77	81	45
I haven't heard or received any information	71.4	57.9	35.3	34.8	63.0	61.3	72.9	64.3	60.3	71.2	58.3	78.5	77.9	72.8	64.4
Friends	6.1	3.5	0	13.0	11.1	6.3	0	7.1	5.1	1.9	11.1	3.8	6.5	2.5	6.7
Neighbours	6.1	8.8	5.9	4.3	11.1	2.5	2.1	1.8	2.6	0	2.8	2.5	5.2	1.2	2.2
Relatives	4.1	1.8	0	0	7.4	5.0	0	3.6	2.6	1.9	5.6	1.3	1.3	1.2	0
Central Govt Agencies	2.0	5.3	0	13.0	0	3.8	2.1	5.4	1.3	0	2.8	1.3	7.8	2.5	2.2
Regional Council	4.1	8.8	29.4	26.1	11.1	6.3	4.2	5.4	15.4	0	0	2.5	9.1	4.9	4.4
Local Council	2.0	7.0	29.4	26.1	3.7	6.3	2.1	7.1	9.0	5.8	11.1	1.3	7.8	9.9	4.4
Local CD	6.1	21.1	35.3	39.1	3.7	18.8	10.4	12.5	15.4	5.8	19.4	8.9	6.5	12.3	11.1
Business Establishments	0	3.5	0	0	0	1.3	0	0	0	0	0	0	1.3	0	0
Research Organisations	2.0	1.8	0	8.7	0	5.0	2.1	3.6	5.1	5.8	8.3	2.5	5.2	1.2	2.2
My workplace	6.1	1.8	5.9	0	0	6.3	0	1.8	6.4	5.8	5.6	2.5	0	1.2	0
My child's school	4.1	1.8	0	0	0	1.3	0	0	0	1.9	5.6	2.5	0	0	2.2
Other	10.2	12.3	11.8	4.3	12.2	10.0	14.6	14.3	12.8	13.5	5.6	0	2.6	7.4	11.1

Locations key: 1 - Langs Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Maketu, 12 - Coastlands, 13 - Ohope, 14 - Wainui, 15 - Westshore, 16 - Haumoana, 17 - Te Awanga, 18 - Riversdale, 19 - Castlepoint, 20 - Akitio, 21 - Oamaru, 22 - Riverton, 23 - New Brighton, 24 - South Shore, 25 - Sumner, 26 - Kaikoura, 27 - Waitarere, 28 - Foxton Beach, 29 - Castlecliff, 30 - Lyall Bay, 31 - Eastbourne, 32 - Seatoun, 33 - Raumati, 34 - Te Horo, 35 - Oakura, 36 - Milford, 37 - Sunny Hills, 38 - Sunnybrae, 39 - Tamaki, 40 - Torbay and 41 - St Clair.

	31	32	33	34	35	36	37	38	39	40	41
n	50	48	167	40	104	80	71	37	52	78	138
I haven't heard or received any information	60.0	54.2	56.9	40.0	73.1	80.0	84.5	73.0	78.8	76.9	70.3
Friends	8.0	10.4	5.4	5.0	5.8	1.3	0	0	0	1.3	3.6
Neighbours	4.0	8.3	4.8	5.0	3.8	1.3	0	0	0	1.3	1.4
Relatives	2.0	4.2	3.6	0	1.9	2.5	1.4	2.7	3.8	1.3	1.4
Central Govt Agencies	0	8.3	6.6	5.0	3.8	0	4.2	2.7	0	3.8	4.3
Regional Council	6.0	14.6	7.2	12.5	4.8	5.0	4.2	2.7	3.8	2.6	5.8
Local Council	6.0	10.4	17.4	25.0	5.8	7.5	5.6	2.7	0	2.6	8.7
Local CD	14.0	10.4	18.6	12.5	12.5	5.0	9.9	10.8	3.8	12.8	12.3
Business Establishments	0	2.1	0.6	2.5	1.9	0	0	0	0	0	2.9
Research Organisations	8.0	6.3	5.4	2.5	2.9	2.5	2.8	0	1.9	2.6	3.6
My workplace	4.0	4.2	3.6	5.0	1.9	0	1.4	0	1.9	0	4.3
My child's school	0	6.3	1.2	0	0	1.3	1.4	0	1.9	0	2.2
Other	2.0	27.5	8.4	25.0	11.5	3.9	2.8	10.8	11.5	6.4	7.2

Locations key: 1 - Langs Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Maketu, 12 - Coastlands, 13 - Ohope, 14 - Wainui, 15 - Westshore, 16 - Haumoana, 17 - Te Awanga, 18 - Riversdale, 19 - Castlepoint, 20 - Akitio, 21 - Oamaru, 22 - Riverton, 23 - New Brighton, 24 - South Shore, 25 - Sumner, 26 - Kaikoura, 27 - Waitarere, 28 - Foxton Beach, 29 - Castlecliff, 30 - Lyall Bay, 31 - Eastbourne, 32 - Seatoun, 33 - Raumati, 34 - Te Horo, 35 - Oakura, 36 - Milford, 37 - Sunny Hills, 38 - Sunnybrae, 39 - Tamaki, 40 - Torbay and 41 - St Clair.

Visitors	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
n	13	71	7	35	25	32	52	77	75	31	91	4	20	10	10
I haven't heard or received any information	61.5	76.1	85.7	74.3	72.0	56.3	69.2	71.4	69.3	77.4	69.2	50.0	65.0	70.0	90.0
Friends	7.7	4.2	0	0	0	0	3.8	5.2	6.7	3.2	5.5	0	15.0	0	0
Neighbours	0	2.8	0	0	0	0	1.9	1.3	4.0	0	0	0	10.0	10.0	0
Relatives	7.7	2.8	0	0	4.0	0	1.9	2.6	5.3	3.2	3.3	25.0	5.0	10.0	0
Central Govt Agencies	7.7	2.8	0	0	0	9.4	3.8	1.3	4.0	0	2.2	0	0	10.0	0
Regional Council	0	2.8	0	5.7	0	9.4	5.8	3.9	6.7	9.7	1.1	0	0	20.0	0
Local Council	0	1.4	0	2.9	0	3.1	5.8	1.3	5.3	3.2	5.5	0	0	10.0	0
Local CD	7.7	12.7	14.3	14.3	12.0	28.1	13.5	15.6	12.0	16.1	17.6	0	10.0	20.0	0
Business Establishments	0	1.4	0	0	0	0	0	0	0	0	0	0	5.0	0	0
Research Organisations	0	4.2	0	0	4.0	3.1	0	1.3	1.3	0	3.3	25.0	0	0	0
My workplace	7.7	1.4	0	0	0	3.1	0	5.2	4.0	3.2	2.2	0	0	0	0
My child's school	0	0	0	0	4.0	3.1	5.8	6.5	4.0	0	2.2	25.0	0	0	0
Other	15.4	7.0	0	8.6	8.0	9.3	15.4	6.5	7.8	0	11.0	25.0	10.0	20.0	10.0

Visitors locations key: 1 - Langs Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Ohope, 12 - Wainui, 13 - Te Awanga, 14 - New Brighton and 15 - Kaikoura.

**Table 25** In the next month or so, does the respondent intend to:

a) Seek information on tsunami hazards

	N	No	Possibly	Definitely
Langs Beach	40	75.0	22.5	2.5
Waipu Cove	10	70.0	30.0	0
Omaha	102	73.5	23.5	2.9
Whangamata	103	63.1	31.1	5.8
Waihi Beach	122	60.7	34.4	4.9
Cooks Beach	89	61.8	34.8	3.4
Whitianga	91	64.8	30.8	4.4
Papamoa	100	58.0	39.0	3.0
Mount Maunganui	121	55.4	37.2	7.4
Pukehina	69	53.6	36.2	10.1
Maketu	21	38.1	52.4	9.5
Coastlands	49	59.2	38.8	2.0
Ohope	128	60.2	33.6	6.3
Wainui	96	66.7	29.2	4.2
Westshore	119	60.5	33.6	5.9
Haumoana	46	52.2	39.1	8.7
Te Awanga	54	64.8	27.8	7.4
Riversdale	15	66.7	33.3	0
Castlepoint	22	68.2	27.3	4.5
Akitio	27	59.3	40.7	0
Oamaru	77	62.3	35.1	2.6
Riverton	47	72.3	25.5	2.1
New Brighton	52	50.0	38.5	11.5
South Shore	74	55.4	43.2	1.4
Sumner	50	54.0	40.0	6.0
Kaikoura	33	57.6	42.4	0
Waitarere	79	58.2	39.2	2.5
Foxton Beach	73	53.4	43.8	2.7
Castlecliff	80	60.0	33.8	6.3
Lyll Bay	43	69.8	25.6	4.7
Eastbourne	46	52.2	41.3	6.5
Seatoun	46	52.2	41.3	6.5
Raumati	156	60.9	30.8	8.3
Te Horo	38	50.0	42.1	7.9
Oakura	101	67.3	29.7	3.0
Milford	78	75.6	21.8	2.6
Sunny Hills	69	84.1	15.9	0
Sunnybrae	37	70.3	29.7	0
Tamaki	49	73.5	22.4	4.1
Torbay	76	76.3	21.1	2.6
St Clair	130	67.7	27.7	4.6
Visitors	n	No	Possibly	Definitely
Langs Beach	13	69.2	30.8	0
Waipu Cove	69	82.6	15.9	1.4
Omaha	7	100.0	0	0
Whangamata	34	76.5	23.5	0
Waihi Beach	23	52.2	43.5	4.3
Cooks Beach	32	78.1	21.9	0
Whitianga	51	68.6	29.4	2.0
Papamoa	77	66.8	29.9	1.3
Mount Maunganui	74	70.3	27.0	2.7
Pukehina	30	46.7	33.3	20.0
Ohope	91	78.0	22.0	0
Wainui	4	50.0	25.0	25.0
Te Awanga	20	60.0	35.0	5.0
New Brighton	10	80.0	10.0	10.0
Kaikoura	9	8.9	0	11.1

b) Seek information on things to do to prepare for tsunami hazards

	n	No	Possibly	Definitely
Langs Beach	39	69.2	28.2	2.6
Waipu Cove	11	72.7	27.3	0
Omaha	100	68.0	28.0	4.0
Whangamata	98	54.1	37.8	8.2
Waihi Beach	116	56.0	38.8	5.2
Cooks Beach	88	58.0	38.6	3.4
Whitianga	88	60.2	36.4	3.4
Papamoa	95	52.6	43.2	4.2
Mount Maunganui	115	52.2	40.9	7.0
Pukehina	67	52.2	35.8	11.9
Maketu	20	25.0	60.0	15.0
Coastlands	47	55.3	42.6	2.1
Ohope	129	55.8	39.5	4.7
Wainui	92	65.2	30.4	4.3
Westshore	116	56.9	35.3	7.8
Haumoana	46	50.0	34.8	15.2
Te Awanga	51	52.9	37.3	9.8
Riversdale	14	42.9	57.1	0
Castlepoint	22	63.6	31.8	4.5
Akitio	26	46.2	50.0	3.8
Oamaru	74	56.8	35.1	8.1
Riverton	45	64.4	33.3	2.2
New Brighton	50	48.0	42.0	10.0
South Shore	71	50.7	47.9	1.4
Sumner	47	51.1	42.6	6.4
Kaikoura	29	44.8	48.3	6.9
Waitarere	75	56.0	41.3	2.7
Foxtan Beach	69	55.1	39.1	5.8
Castlecliff	75	61.3	30.7	8.0
Lyll Bay	42	66.7	23.8	9.5
Eastbourne	43	46.5	48.8	4.7
Seatoun	44	47.7	47.7	4.5
Raumati	153	51.3	40.1	8.6
Te Horo	38	39.5	52.6	7.9
Oakura	97	59.8	37.1	3.1
Milford	74	74.3	18.9	6.8
Sunny Hills	66	77.3	21.2	1.5
Sunnybrae	36	75.0	22.2	2.8
Tamaki	46	63.0	32.6	4.3
Torbay	70	75.7	22.9	1.4
St Clair	130	65.4	29.2	5.4
Visitors	n	No	Possibly	Definitely
Langs Beach	13	53.8	38.5	7.7
Waipu Cove	66	78.8	19.7	1.5
Omaha	7	100.0	0	0
Whangamata	34	79.4	17.6	2.9
Waihi Beach	24	41.7	54.2	4.2
Cooks Beach	32	71.9	28.1	0
Whitianga	52	65.4	30.8	3.8
Papamoa	76	65.8	32.9	1.3
Mount Maunganui	72	66.7	30.6	2.8
Pukehina	28	46.4	32.1	21.4
Ohope	91	70.3	28.6	1.1
Wainui	4	50.0	50.0	0
Te Awanga	20	65.0	30.0	5.0
New Brighton	10	80.0	10.0	10.0
Kaikoura	8	87.5	12.5	0

c) Become involved with a local group to discuss how to reduce tsunami risks

	n	No	Possibly	Definitely
Langs Beach	39	84.6	15.4	0
Waipu Cove	10	70.0	20.0	10.0
Omaha	100	87.0	12.0	1.0
Whangamata	94	85.1	14.9	0
Waihi Beach	117	82.9	16.2	0.9
Cooks Beach	82	80.0	20.0	0
Whitianga	87	86.2	11.5	2.3
Papamoa	94	86.2	12.8	1.1
Mount Maunganui	108	83.3	15.7	0.9
Pukehina	65	73.8	26.2	0
Maketu	20	40.0	60.0	0
Coastlands	48	77.1	20.8	2.1
Ohope	124	89.5	8.1	2.4
Wainui	93	81.7	15.1	3.2
Westshore	111	73.9	20.7	4.5
Haumoana	48	77.1	22.9	0
Te Awanga	51	72.5	27.5	0
Riversdale	15	80.0	13.3	6.7
Castlepoint	21	85.7	31.8	4.5
Akitio	25	64.0	32.0	4.0
Oamaru	69	85.5	13.0	1.4
Riverton	42	88.1	11.9	0
New Brighton	49	81.6	18.4	0
South Shore	69	84.1	15.9	0
Sumner	47	78.7	19.1	2.1
Kaikoura	27	70.4	29.6	0
Waitarere	75	76.0	24.0	0
Foxtan Beach	69	79.7	20.3	0
Castlecliff	71	81.7	16.9	1.4
Lyll Bay	41	82.9	14.6	2.4
Eastbourne	44	75.0	25.0	0
Seatoun	43	86.0	14.0	0
Raumati	150	82.7	17.0	0
Te Horo	37	86.5	13.5	0
Oakura	98	87.8	11.2	1.0
Milford	74	94.6	5.4	0
Sunny Hills	66	90.9	7.6	1.5
Sunnybrae	36	91.7	8.3	0
Tamaki	45	82.2	15.6	2.2
Torbay	70	92.9	7.1	0
St Clair	127	89.0	9.4	1.6
Visitors	n	No	Possibly	Definitely
Langs Beach	12	100.0	0	0
Waipu Cove	66	92.4	7.6	0
Omaha	7	100.0	0	0
Whangamata	34	97.1	2.9	0
Waihi Beach	22	90.9	4.5	4.5
Cooks Beach	32	97.5	12.5	0
Whitianga	51	90.2	7.8	2.0
Papamoa	74	90.5	6.8	2.7
Mount Maunganui	71	91.5	8.5	0
Pukehina	26	80.8	15.4	3.8
Ohope	91	97.8	2.2	0
Wainui	4	75.0	25.0	0
Te Awanga	19	78.9	15.8	5.3
New Brighton	9	88.9	11.1	0
Kaikoura	8	100.0	0	0

**Table 26** Has the respondent asked any of the following people, groups or organisations for information on how to get ready for tsunami hazards?

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
n	43	11	107	111	125	93	94	103	135	73	22	50	134	97	126
No	93.0	90.9	96.3	87.4	94.4	92.5	87.2	92.2	86.7	87.7	68.2	90.0	85.8	88.7	79.4
Friends	2.3	0	0.9	0.9	2.4	3.2	3.2	1.9	3.0	6.8	13.6	0	1.5	2.1	3.2
Neighbours	4.7	0	0.9	0.9	2.4	0	3.2	1.0	2.2	4.1	18.2	2.0	2.2	2.1	2.4
Relatives	2.3	0	0.9	0.9	0.8	1.1	1.1	1.0	2.2	5.5	0	2.0	3.0	3.1	1.6
Central Govt Agencies	2.3	0	0.9	0	0	0	1.1	0	0.7	1.4	0	0	0	0	0
Regional Council	4.7	9.1	1.9	0	0	1.1	2.1	0	0.7	2.7	0	2.0	3.7	3.1	4.0
Local Council	2.3	0	1.9	0	0.8	0	3.2	0	1.5	4.1	4.5	2.0	1.5	0	2.4
Local CD	2.3	0	1.9	4.5	0.8	1.1	9.6	3.9	4.4	5.5	13.6	4.0	3.0	3.1	4.8
Business Establishments	2.3	0	0.9	1.8	0	0	1.1	0	0.7	1.4	0	0	0	0	0
Research Organisations	2.3	9.1	0.9	0	0	0	3.2	0	2.2	1.4	0	0	0.7	0	2.4
My workplace	2.3	0	0.9	0	0	1.1	3.2	0	0	1.4	0	2.0	1.5	1.0	4.0
My child's school	2.3	0	0.9	0	0	0	0	1.0	0	1.4	0	0	0.7	1.0	0
Other	0	0	0	0	0.8	0	0	0	2.2	5.5	0	0	0.7	0	1.6

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
n	49	57	17	23	27	80	48	56	78	52	36	79	77	81	45
No	85.7	93.0	70.6	91.3	88.9	92.5	97.9	82.1	93.6	88.5	83.3	91.1	96.1	96.3	84.4
Friends	0	1.8	5.9	4.3	11.1	5.0	0	7.1	3.8	5.8	5.6	2.5	3.9	2.5	6.7
Neighbours	2.0	1.8	0	4.3	11.1	1.3	2.1	5.4	1.3	1.9	2.8	0	3.9	1.2	2.2
Relatives	2.0	0	0	0	7.4	3.8	0	3.6	0	3.8	0	0	1.3	2.5	2.2
Central Govt Agencies	0	0	0	0	0	1.3	0	0	0	0	0	0	0	1.2	2.2
Regional Council	2.0	0	5.9	0	3.7	2.5	0	1.8	0	0	2.8	0	0	1.2	4.4
Local Council	2.0	0	11.8	0	0	2.5	0	0	0	1.9	9.3	0	1.3	1.2	2.2
Local CD	6.1	1.8	23.5	4.3	0	7.5	0	1.8	0	1.9	2.8	0	2.6	1.2	0
Business Establishments	2.0	0	0	0	0	1.3	0	0	0	0	0	0	0	1.2	0
Research Organisations	0	0	0	0	0	3.8	0	0	0	0	0	0	0	1.2	0
My workplace	2.0	1.8	0	0	0	2.5	0	0	1.3	0	5.6	0	0	1.2	0
My child's school	0	0	0	0	0	1.3	0	0	0	0	2.8	0	0	1.2	2.2
Other	2.0	0	0	0	0	0	0	3.6	0	0	0	2.5	0	0	0

Locations key: 1 - Langs Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Maketu, 12 - Coastlands, 13 - Ohope, 14 - Wainui, 15 - Westshore, 16 - Haumoana, 17 - Te Awanga, 18 - Riversdale, 19 - Castlepoint, 20 - Akitio, 21 - Oamaru, 22 - Riverton, 23 - New Brighton, 24 - South Shore, 25 - Sumner, 26 - Kaikoura, 27 - Waitarere, 28 - Foxton Beach, 29 - Castlecliff, 30 - Lyall Bay, 31 - Eastbourne, 32 - Seatoun, 33 - Raumati, 34 - Te Horo, 35 - Oakura, 36 - Milford, 37 - Sunny Hills, 38 - Sunnybrae, 39 - Tamaki, 40 - Torbay and 41 - St Clair.

	31	32	33	34	35	36	37	38	39	40	41
n	50	48	167	40	104	80	71	37	52	78	138
No	84.0	79.2	91.6	90.0	90.4	92.5	98.6	94.6	92.3	96.2	92.0
Friends	0	10.4	0.6	2.5	1.0	2.5	0	2.7	0	0	2.9
Neighbours	2.0	6.3	2.4	2.5	0	1.3	0	0	1.9	0	1.4
Relatives	6.0	0	2.4	2.5	1.0	2.5	1.4	0	0	0	1.4
Central Govt Agencies	0	4.2	0	0	0	1.3	0	2.7	0	0	1.4
Regional Council	0	4.2	1.2	0	1.0	1.3	0	0	1.9	1.3	1.4
Local Council	0	4.2	1.8	2.5	1.0	2.5	0	0	0	2.6	0.7
Local CD	4.0	2.1	1.2	0	2.9	1.3	0	0	0	1.3	3.6
Business Establishments	0	0	0	0	0	1.3	0	0	0	0	0.7
Research Organisations	0	2.1	0.6	0	0	2.5	1.4	0	0	0	0.7
My workplace	2.0	0	1.2	2.5	0	1.3	0	0	0	0	2.2
My child's school	0	2.1	0	0	0	1.3	0	0	0	0	1.4
Other	2.0	4.2	0	0	1.9	0	0	0	0	0	0.7

Locations key: 1 - Largs Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Maketu, 12 - Coastlands, 13 - Ohope, 14 - Wainui, 15 - Westshore, 16 - Haumoana, 17 - Te Awanga, 18 - Riversdale, 19 - Castlepoint, 20 - Akitio, 21 - Oamaru, 22 - Riverton, 23 - New Brighton, 24 - South Shore, 25 - Sumner, 26 - Kaikoura, 27 - Waitare, 28 - Foxton Beach, 29 - Castlecliff, 30 - Lyall Bay, 31 - Eastbourne, 32 - Seatoun, 33 - Raumati, 34 - Te Horo, 35 - Oakura, 36 - Milford, 37 - Sunny Hills, 38 - Sunnybrae, 39 - Tamaki, 40 - Torbay and 41 - St Clair.

Visitors	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
n	13	71	7	35	25	32	52	77	75	31	91	4	20	10	10
No	100.0	93.0	100.0	97.1	84.0	93.8	96.2	90.9	93.3	83.9	94.5	75.0	80.0	100.0	90.0
Friends	0	0	0	0	0	3.1	0	2.6	2.7	0	2.2	0	10.0	0	0
Neighbours	0	0	0	0	0	0	0	1.3	1.3	0	0	0	10.0	0	0
Relatives	0	0	0	0	4.0	0	0	1.3	0	3.2	4.4	25.0	5.0	10.0	0
Central Govt Agencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regional Council	0	0	0	0	0	0	0	0	0	3.2	0	0	0	0	0
Local Council	0	0	0	0	0	0	0	0	2.7	0	0	0	0	0	0
Local CD	0	0	0	2.9	4.0	3.1	3.8	5.2	5.3	9.7	0	0	5.0	0	0
Business Establishments	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Research Organisations	0	0	0	0	0	0	1.9	0	0	0	1.1	25.0	0	0	0
My workplace	0	0	0	0	0	0	0	1.3	0	0	0	0	0	0	0
My child's school	0	0	0	0	0	0	1.9	1.3	0	0	0	0	0	0	0
Other	0	1.4	0	0	0	3.1	0	0	0	0	1.1	0	0	0	0

Visitors locations key: 1 - Largs Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Ohope, 12 - Wainui, 13 - Te Awanga, 14 - New Brighton and 15 - Kaikoura.

**Table 27** Thinking about what the respondent has heard about tsunami hazards affecting their area how consistent was this information?

	n	I have not heard anything	Consistent	Fairly consistent	Unsure	Fairly inconsistent	Inconsistent
Langs Beach	41	92.7	4.9	0	0	2.4	0
Waipu Cove	11	81.8	0	9.1	0	9.1	0
Omaha	101	83.2	7.9	5.9	2.0	1.0	0
Whangamata	108	77.8	5.6	6.5	5.6	1.9	2.8
Waihi Beach	123	80.5	3.3	4.9	8.1	2.4	0.8
Cooks Beach	91	91.2	4.4	2.2	0	0	2.2
Whitianga	92	68.5	8.7	10.9	6.5	2.2	3.3
Papamoa	101	66.3	8.9	11.9	7.9	1.0	4.0
Mount Maunganui	126	76.2	2.4	9.5	7.9	4.0	0
Pukehina	72	73.6	4.2	6.9	5.6	2.8	6.9
Maketu	22	59.1	4.5	27.3	0	4.5	4.5
Coastlands	49	77.6	6.1	2.0	10.2	2.0	2.0
Ohope	131	67.9	6.1	6.9	8.4	3.8	6.9
Wainui	97	55.7	10.3	16.5	8.2	5.2	4.1
Westshore	121	68.6	9.9	13.2	4.1	1.7	2.5
Haumoana	48	70.8	2.1	8.3	8.3	4.2	6.3
Te Awanga	56	69.6	10.7	7.1	5.4	5.4	1.8
Riversdale	17	23.5	47.1	17.6	11.8	0	0
Castlepoint	22	50.0	18.2	13.6	18.2	0	0
Akitio	26	65.4	3.8	11.5	11.5	0	7.7
Oamaru	80	75.0	3.8	7.5	7.5	2.5	3.8
Riverton	47	87.2	4.3	2.1	2.1	2.1	2.1
New Brighton	55	67.3	3.6	9.7	3.6	12.7	3.6
South Shore	77	54.5	15.6	18.2	5.2	6.2	0
Sumner	51	78.4	7.8	3.9	2.0	3.9	3.9
Kaikoura	36	58.3	5.6	19.4	5.6	5.6	5.6
Waitarere	77	89.6	2.6	2.6	3.9	1.3	0
Foxton Beach	74	79.7	4.1	5.4	5.4	0	5.4
Castlecliff	81	80.2	9.9	2.5	4.9	1.2	1.2
Lyall Bay	43	76.7	7.0	4.7	7.0	2.3	2.3
Eastbourne	47	72.3	6.4	12.8	6.4	0	2.1
Seatoun	45	66.7	8.9	8.9	11.1	2.2	2.2
Raumati	160	54.4	6.9	11.3	13.8	6.9	6.9
Te Horo	38	65.8	10.5	7.9	7.9	2.6	5.3
Oakura	102	88.2	2.0	5.9	1.0	2.9	0
Milford	78	78.2	3.8	5.1	5.1	1.3	6.4
Sunny Hills	70	94.3	1.4	2.9	0	0	1.4
Sunnybrae	37	78.4	0	5.4	8.1	8.1	0
Tamaki	50	88.0	2.0	4.0	6.0	0	0
Torbay	71	78.4	5.4	10.8	2.7	1.4	1.4
St Clair	137	74.5	9.5	3.6	8.8	2.2	1.5
Visitors	n	I have not heard anything	Consistent	Fairly consistent	Unsure	Fairly inconsistent	Inconsistent
Langs Beach	13	100.0	0	0	0	0	0
Waipu Cove	69	88.4	1.4	1.4	5.8	0	2.9
Omaha	7	85.7	0	14.3	0	0	0
Whangamata	35	94.3	2.9	0	2.9	0	0
Waihi Beach	25	80.0	4.0	4.0	0	4.0	8.0
Cooks Beach	32	90.6	6.3	3.1	0	0	0
Whitianga	49	89.8	8.2	0	2.0	0	0
Papamoa	77	83.1	5.2	2.6	7.8	0	1.3
Mount Maunganui	75	81.3	5.3	6.7	4.0	0	2.7
Pukehina	30	66.7	3.3	3.3	13.3	0	13.3
Ohope	90	87.8	4.4	2.2	4.4	1.1	0
Wainui	4	75.0	25.0	0	0	0	0
Te Awanga	20	80.0	10.0	10.0	0	0	0
New Brighton	10	70.0	0	0	20.0	10.0	0
Kaikoura	9	88.9	11.1	0	0	0	0



## 6.0 CLIFF EROSION

**Table 28** For each statement, the mean is of all responses to this question on a scale from 1 (Not at all) to 5 (A great deal).

a) The respondent thinks about cliff erosion

	n	Mean	Standard Deviation
Milford	76	2.24	0.992
Sunny Hills	71	2.18	1.086
Sunnybrae	35	2.06	0.938
Tamaki	50	2.60	1.161
Torbay	77	3.49	1.166

b) The respondent talks about cliff erosion

	n	Mean	Standard Deviation
Milford	70	1.79	0.976
Sunny Hills	65	1.68	1.002
Sunnybrae	34	1.71	0.871
Tamaki	45	2.04	1.043
Torbay	70	3.03	1.204

c) The respondent gets information on cliff erosion

	n	Mean	Standard Deviation
Milford	68	1.26	0.563
Sunny Hills	62	1.11	0.319
Sunnybrae	34	1.18	0.459
Tamaki	45	1.33	0.603
Torbay	65	1.80	1.078

d) The respondent thinks cliff erosion could pose a threat to their daily activities (such as work, leisure or property)

	n	Mean	Standard Deviation
Milford	71	1.76	0.948
Sunny Hills	66	1.80	1.099
Sunnybrae	34	1.82	1.086
Tamaki	46	2.30	1.533
Torbay	73	2.86	1.503

**Table 29** To what extent does the respondent agree that: (for each statement, the mean is of all responses to this question on a scale from 1 (strongly agree) to 5 (strongly disagree))

a) Cliff erosion is unlikely to be a problem in their area in their lifetime

	n	Mean	Standard Deviation
Milford	77	3.36	1.347
Sunny Hills	70	2.49	1.359
Sunnybrae	35	3.57	1.357
Tamaki	49	2.92	1.484
Torbay	76	4.05	1.336

b) The local cliff top reserves/walkways will never be damaged by cliff erosion

	n	Mean	Standard Deviation
Milford	76	4.33	0.944
Sunny Hills	69	3.07	1.287
Sunnybrae	35	4.29	0.825
Tamaki	46	2.92	1.484
Torbay	75	4.72	0.669

c) The respondent's property will never be damaged by cliff erosion

	n	Mean	Standard Deviation
Milford	75	1.57	1.093
Sunny Hills	69	1.91	1.401
Sunnybrae	36	1.47	1.108
Tamaki	49	2.18	1.564
Torbay	75	2.87	1.671

**Table 30** What does the respondent think is the main cause of cliff erosion?

	n	Natural processes	Storms	Sea-level rise	Other	Don't know
Milford	77	72.9	16.9	3.9	5.2	1.3
Sunny Hills	71	69.0	21.1	2.8	2.8	4.2
Sunnybrae	35	65.7	20.0	5.7	5.7	2.9
Tamaki	50	64.0	16.0	8.0	6.0	6.0
Torbay	78	66.7	21.8	2.6	6.5	2.6

**Table 31** Has the respondent heard or received any information about cliff erosion from any of the following?

	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
n	80	71	37	52	78
I haven't heard or received any information	52.5	71.8	45.9	53.8	28.2
Friends	18.8	4.2	8.1	13.5	25.6
Neighbours	6.3	2.8	0	13.5	34.6
Relatives	6.3	4.2	8.1	11.5	10.3
Central Govt Agencies	0	1.4	2.7	3.8	1.3
Regional Council	8.8	5.6	16.2	7.7	12.8
Local Council	16.3	7.0	18.9	7.7	34.6
Local CD	0	2.8	2.7	0	3.8
Business Establishments	2.5	0	0	0	1.3
Research Organisations	3.8	7.0	8.1	1.9	7.7
My workplace	6.3	1.4	2.7	3.8	3.8
My child's school	0	1.4	0	0	0
Other	7.5	8.5	10.8	13.5	15.4

Locations key: 36 – Milford, 37 - Sunny Hills, 38 – Sunnybrae, 39 – Tamaki and 40 – Torbay.

**Table 32** In the next month or so, does the respondent intend to seek information on cliff erosion?

	n	No	Possibly	Definitely
Milford	70	85.7	12.9	1.4
Sunny Hills	67	91.0	9.0	0
Sunnybrae	32	81.3	18.8	0
Tamaki	47	66.0	31.9	2.1
Torbay	70	65.7	30.0	4.3

**Table 33** Has the respondent asked any of the following people, groups or organisations for information on cliff erosion?

<b>Locality</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
n	80	71	37	52	78
No	82.5	88.7	81.1	78.8	62.8
Friends	7.5	1.4	8.1	9.6	12.8
Neighbours	2.5	0	2.7	7.7	20.5
Relatives	2.5	2.8	8.1	3.8	3.8
Central Govt Agencies	0	0	2.7	0	0
Regional Council	0	4.2	5.4	3.8	5.1
Local Council	2.5	5.6	5.4	5.8	11.5
Local CD	0	0	0	0	1.3
Business Establishments	1.3	0	0	0	2.6
Research Organisations	2.5	0	0	0	5.1
My workplace	1.3	2.8	0	0	3.8
My child's school	0	1.4	0	0	0
Other	0	0	0	1.9	7.7

Locations key: 36 – Milford, 37 - Sunny Hills, 38 – Sunnybrae, 39 – Tamaki and 40 – Torbay.

**Table 34** Thinking about what the respondent has heard about cliff erosion affecting their area, how consistent was this information?

	n	I have not heard anything	Consistent	Fairly consistent	Unsure	Fairly inconsistent	Inconsistent
Milford	79	49.4	12.7	19.0	12.7	2.5	3.8
Sunny Hills	70	80.0	4.3	5.7	5.7	1.4	2.9
Sunnybrae	37	48.6	13.5	13.5	16.2	5.4	2.7
Tamaki	49	71.4	6.1	6.1	14.3	2.0	0
Torbay	75	29.3	18.7	32.0	13.3	5.3	1.3

**Table 35** What type of coastal defence for severely eroding cliff properties does the respondent most approve of?

	n	Nothing	Build a sea wall	Build a retaining or palisade wall	Plant appropriate plants on cliff face	Install drains to remove groundwater	Place large rocks at base of cliff	Require owners to move houses back	Other
Milford	80	7.5	6.3	3.8	33.8	26.3	10.0	6.3	5.2
Sunny Hills	69	4.3	18.8	1.4	49.3	7.2	13.0	5.8	0
Sunnybrae	37	16.2	10.8	8.1	24.3	2.7	18.9	18.9	0
Tamaki	49	2.0	30.6	6.1	34.7	14.3	6.1	2.0	4.0
Torbay	75	6.7	6.7	6.7	32.0	22.7	10.7	0	8.0

**Table 36** If the respondent is a cliff top property owner, have they ever done any of the following to stabilise their cliff?

	n	I am not a cliff owner	Geotechnical study	Build a sea wall	Placed rocks at base of cliff	Build a retaining or palisade wall	Planted vegetation	Installed drainage	Other
Milford	80	90.0	0	0	0	0	1.3	2.5	0
Sunny Hills	71	83.1	1.4	1.4	1.4	0	8.5	4.2	1.4
Sunnybrae	37	94.6	0	2.7	0	2.7	0	0	0
Tamaki	52	84.6	0	1.9	3.8	0	3.8	5.8	0
Torbay	78	57.7	21.8	0	0	3.8	26.9	21.8	5.1

**Table 37** If a cliffed reserve is eroding and in the long term the erosion may reach private property or a public walkway, does the respondent think the council should stabilise the cliff to:

a) Protect private property

	n	Yes	No
Milford	77	72.7	27.3
Sunny Hills	71	84.5	15.5
Sunnybrae	36	58.3	41.7
Tamaki	50	88.0	12.0
Torbay	75	66.7	33.3

b) Protect a walkway

	n	Yes	No
Milford	77	87.0	13.0
Sunny Hills	71	97.2	2.8
Sunnybrae	35	74.3	25.7
Tamaki	50	92.0	8.0
Torbay	76	84.2	15.8

## 7.0 COMMUNITY ISSUES

**Table 38** Following is a list of statements on how the respondent feels about living in their area: (for each statement, the mean is of all responses to this question on a scale from 1 (Disagree strongly) to 5 (Agree strongly))

a) The respondent feels 'at home' in this community

	n	Mean	Standard Deviation
Langs Beach	33	4.61	0.788
Waipu Cove	8	4.13	0.835
Omaha	68	4.44	0.761
Whangamata	75	4.44	0.933
Waihi Beach	80	4.55	0.825
Cooks Beach	49	4.39	0.862
Whitianga	79	4.35	0.848
Papamoa	92	4.48	0.791
Mount Maunganui	111	4.46	0.818
Pukehina	60	4.45	0.852
Maketu	20	4.70	0.571
Coastlands	50	4.30	1.055
Ohope	121	4.56	0.682
Wainui	90	4.66	0.737
Westshore	119	4.68	0.663
Haumoana	48	4.50	0.875
Te Awanga	54	4.69	0.668
Riversdale	12	4.58	0.900
Castlepoint	7	4.86	0.378
Akitio	14	4.36	0.842
Oamaru	80	1.70	1.372
Riverton	39	4.82	0.451
New Brighton	55	4.40	0.710
South Shore	76	4.68	0.616
Sumner	51	4.51	0.987
Kaikoura	34	4.24	0.955
Waitarere	55	4.02	0.913
Foxton Beach	71	4.34	0.774
Castlecliff	77	4.43	0.696
Lyll Bay	45	4.44	0.624
Eastbourne	48	4.56	0.681
Seatoun	47	4.57	0.715
Raumati	147	4.39	0.903
Te Horo	35	4.26	0.886
Oakura	97	4.58	0.690
Milford	75	4.60	0.697
Sunny Hills	70	4.53	0.696
Sunnybrae	37	4.22	0.917
Tamaki	52	4.12	1.182
Torbay	76	4.54	0.807
St Clair	134	4.54	0.742

b) The respondent is satisfied living in this community

	n	Mean	Standard Deviation
Langs Beach	32	4.66	0.653
Waipu Cove	8	4.25	0.707
Omaha	64	4.45	0.711
Whangamata	73	4.32	1.052
Waihi Beach	77	4.47	0.897
Cooks Beach	48	4.35	0.838
Whitianga	76	4.34	0.857
Papamoa	92	4.46	0.790
Mount Maunganui	113	4.44	0.790
Pukehina	58	4.38	0.895
Maketu	20	4.65	0.745
Coastlands	50	4.34	0.982
Ohope	120	4.54	0.709
Wainui	89	4.71	0.678
Westshore	116	4.66	0.759
Haumoana	47	4.64	0.673
Te Awanga	55	4.67	0.668
Riversdale	12	4.50	1.168
Castlepoint	7	4.86	0.378
Akitio	14	4.43	0.852
Oamaru	75	4.13	1.107
Riverton	39	4.74	0.595
New Brighton	53	4.26	0.858
South Shore	74	4.77	0.484
Sumner	51	4.59	0.829
Kaikoura	34	4.21	1.008
Waitarere	55	4.00	0.839
Foxton Beach	71	4.37	0.702
Castlecliff	80	4.19	0.915
Lyll Bay	44	4.36	0.685
Eastbourne	49	4.57	0.645
Seatoun	47	4.64	0.640
Raumati	145	4.37	0.911
Te Horo	35	4.20	0.901
Oakura	98	4.63	0.648
Milford	74	4.59	0.618
Sunny Hills	70	4.54	0.652
Sunnybrae	37	4.22	0.821
Tamaki	52	3.94	1.127
Torbay	76	4.49	0.887
St Clair	136	4.57	0.717

c) The respondent is a useful member of this community

	n	Mean	Standard Deviation
Langs Beach	32	3.91	0.928
Waipu Cove	8	3.75	1.282
Omaha	65	3.69	1.145
Whangamata	64	3.89	1.143
Waihi Beach	75	3.75	1.054
Cooks Beach	47	3.79	1.102
Whitianga	72	4.08	0.975
Papamoa	86	3.83	0.996
Mount Maunganui	107	3.69	0.956
Pukehina	55	3.69	1.086
Maketu	19	4.26	1.046
Coastlands	47	3.51	0.906
Ohope	114	3.82	1.027
Wainui	88	3.90	0.935
Westshore	113	3.90	1.077
Haumoana	46	3.52	1.169
Te Awanga	52	3.73	1.140
Riversdale	12	3.67	1.231
Castlepoint	7	3.86	1.069
Akitio	14	4.21	1.122
Oamaru	71	4.04	1.088
Riverton	37	3.97	1.093
New Brighton	53	3.55	1.381
South Shore	73	3.71	1.034
Sumner	48	3.79	1.071
Kaikoura	32	4.06	0.948
Waitarere	51	3.33	1.194
Foxton Beach	66	3.44	1.139
Castlecliff	75	3.57	1.042
Lyll Bay	42	3.31	1.158
Eastbourne	47	3.68	0.980
Seatoun	45	3.47	1.140
Raumati	143	3.66	1.108
Te Horo	35	3.63	1.087
Oakura	96	3.91	1.057
Milford	72	3.72	1.038
Sunny Hills	69	3.65	1.027
Sunnybrae	35	3.51	0.919
Tamaki	50	3.64	1.241
Torbay	75	3.87	1.018
St Clair	127	3.59	1.143

d) The respondent has the same values and beliefs as their neighbours

	n	Mean	Standard Deviation
Langs Beach	30	3.80	1.126
Waipu Cove	8	3.75	1.035
Omaha	61	3.51	1.027
Whangamata	67	3.58	1.195
Waihi Beach	72	3.85	1.122
Cooks Beach	46	3.59	1.066
Whitianga	71	3.65	1.001
Papamoa	87	3.41	1.106
Mount Maunganui	102	3.70	1.088
Pukehina	57	3.67	1.075
Maketu	20	4.00	1.170
Coastlands	47	3.51	1.061
Ohope	113	3.58	0.904
Wainui	86	3.62	0.935
Westshore	113	3.79	1.106
Haumoana	45	3.27	1.156
Te Awanga	54	3.63	1.138
Riversdale	11	4.09	0.831
Castlepoint	7	3.86	1.069
Akitio	13	3.62	1.044
Oamaru	69	3.32	1.157
Riverton	38	4.05	1.229
New Brighton	52	3.06	1.243
South Shore	74	3.80	1.007
Sumner	47	3.66	1.048
Kaikoura	32	3.50	1.295
Waitarere	49	3.41	1.059
Foxton Beach	68	3.29	1.023
Castlecliff	75	3.43	1.176
Lyll Bay	44	3.07	0.873
Eastbourne	47	3.32	1.105
Seatoun	42	3.48	0.833
Raumati	142	3.49	1.083
Te Horo	35	3.03	1.150
Oakura	95	3.69	1.032
Milford	74	3.78	0.955
Sunny Hills	69	3.72	0.953
Sunnybrae	36	3.17	0.971
Tamaki	50	3.46	1.073
Torbay	74	3.66	1.174
St Clair	128	3.55	1.034



e) The respondent feels that they don't belong in this community

	n	Mean	Standard Deviation
Langs Beach	32	1.06	0.246
Waipu Cove	6	1.33	0.516
Omaha	61	1.28	0.636
Whangamata	65	1.31	0.705
Waihi Beach	72	1.42	0.960
Cooks Beach	45	1.33	0.905
Whitianga	75	1.48	0.978
Papamoa	83	1.27	0.682
Mount Maunganui	102	1.30	0.728
Pukehina	54	1.48	1.023
Maketu	20	1.60	1.353
Coastlands	49	1.31	0.652
Ohope	112	1.37	0.859
Wainui	85	1.32	0.820
Westshore	106	1.37	0.959
Haumoana	46	1.46	1.026
Te Awanga	50	1.32	0.768
Riversdale	9	1.67	1.323
Castlepoint	7	1.00	0.000
Akitio	13	1.15	0.555
Oamaru	68	1.40	0.883
Riverton	36	1.42	0.967
New Brighton	53	1.51	0.750
South Shore	74	1.24	0.569
Sumner	46	1.28	0.861
Kaikoura	31	1.45	1.028
Waitarere	51	1.59	1.004
Foxton Beach	65	1.20	0.592
Castlecliff	73	1.33	0.668
Lyll Bay	43	1.49	0.768
Eastbourne	47	1.36	0.870
Seatoun	43	1.26	0.658
Raumati	140	1.44	0.883
Te Horo	32	1.38	0.793
Oakura	94	1.46	0.924
Milford	72	1.31	0.705
Sunny Hills	68	1.29	0.692
Sunnybrae	35	1.49	0.781
Tamaki	48	1.65	1.041
Torbay	74	1.65	0.943
St Clair	129	1.40	0.888

f) The respondent is interested in knowing what goes on in this community

	n	Mean	Standard Deviation
Langs Beach	32	4.09	0.818
Waipu Cove	8	4.13	0.835
Omaha	65	4.45	0.685
Whangamata	72	4.36	0.877
Waihi Beach	78	4.31	1.023
Cooks Beach	49	4.47	0.793
Whitianga	77	4.30	0.933
Papamoa	91	4.14	0.851
Mount Maunganui	109	4.17	0.948
Pukehina	56	4.14	0.999
Maketu	18	4.50	0.707
Coastlands	50	3.90	0.953
Ohope	118	4.14	0.898
Wainui	90	4.07	0.897
Westshore	116	4.28	0.919
Haumoana	47	3.94	0.987
Te Awanga	52	4.27	0.888
Riversdale	11	4.00	1.265
Castlepoint	7	5.00	0.000
Akitio	13	4.85	0.376
Oamaru	73	3.90	1.145
Riverton	40	4.13	1.114
New Brighton	53	4.06	1.064
South Shore	76	4.11	1.014
Sumner	49	4.18	1.054
Kaikoura	33	4.48	0.667
Waitarere	54	4.13	0.825
Foxton Beach	72	4.06	0.902
Castlecliff	77	4.16	0.904
Lyll Bay	44	4.09	0.884
Eastbourne	47	4.21	0.832
Seatoun	46	3.91	0.939
Raumati	146	4.10	0.915
Te Horo	35	3.89	0.963
Oakura	98	4.40	0.743
Milford	73	4.15	0.844
Sunny Hills	52	3.81	1.253
Sunnybrae	37	3.86	0.976
Tamaki	52	3.81	1.253
Torbay	74	3.66	1.174
St Clair	134	4.10	0.892

g) The respondent would be happy to leave this community

	n	Mean	Standard Deviation
Langs Beach	32	1.50	0.880
Waipu Cove	6	1.50	0.837
Omaha	63	1.43	0.712
Whangamata	67	1.73	1.175
Waihi Beach	72	1.42	0.783
Cooks Beach	45	1.84	1.242
Whitianga	77	1.88	1.135
Papamoa	85	1.88	1.096
Mount Maunganui	102	1.46	0.840
Pukehina	55	1.71	1.048
Maketu	18	2.22	1.801
Coastlands	49	1.78	1.066
Ohope	116	1.72	1.037
Wainui	88	1.58	0.979
Westshore	108	1.40	0.864
Haumoana	46	1.65	1.120
Te Awanga	52	1.42	0.696
Riversdale	10	2.20	1.135
Castlepoint	7	1.00	0.000
Akitio	14	1.21	0.579
Oamaru	69	2.28	1.932
Riverton	36	1.50	0.910
New Brighton	52	1.92	1.064
South Shore	72	1.64	0.983
Sumner	48	1.75	1.101
Kaikoura	31	1.45	0.925
Waitarere	41	2.10	1.159
Foxton Beach	68	1.72	1.020
Castlecliff	72	1.75	0.931
Lyll Bay	42	1.90	1.100
Eastbourne	48	1.58	1.007
Seatoun	45	1.58	0.917
Raumati	142	1.57	0.854
Te Horo	35	1.91	1.269
Oakura	94	1.52	0.714
Milford	72	1.56	0.902
Sunny Hills	69	1.84	1.024
Sunnybrae	35	1.94	1.162
Tamaki	49	2.20	1.399
Torbay	74	1.65	0.943
St Clair	131	1.69	0.944

h) The respondent knows their neighbours and/or other community members

	n	Mean	Standard Deviation
Langs Beach	32	4.41	0.712
Waipu Cove	8	4.38	0.744
Omaha	67	4.13	1.013
Whangamata	70	4.39	0.982
Waihi Beach	79	4.32	0.955
Cooks Beach	48	4.33	0.953
Whitianga	76	4.32	0.955
Papamoa	92	4.00	1.048
Mount Maunganui	110	3.92	1.059
Pukehina	60	4.32	0.813
Maketu	19	4.42	0.838
Coastlands	50	3.98	1.116
Ohope	118	4.19	0.899
Wainui	90	4.28	0.874
Westshore	117	4.21	1.049
Haumoana	47	4.00	1.123
Te Awanga	55	4.05	1.008
Riversdale	11	4.36	0.924
Castlepoint	7	4.57	0.787
Akitio	13	4.77	0.599
Oamaru	71	3.92	1.296
Riverton	39	4.67	0.701
New Brighton	53	3.49	1.250
South Shore	75	3.97	1.162
Sumner	50	4.04	1.106
Kaikoura	33	4.27	1.126
Waitarere	55	4.05	0.989
Foxton Beach	72	4.06	0.902
Castlecliff	80	4.19	0.915
Lyll Bay	44	3.80	1.047
Eastbourne	48	4.13	0.914
Seatoun	47	4.06	1.030
Raumati	145	3.99	1.047
Te Horo	35	4.09	1.147
Oakura	98	4.35	0.788
Milford	72	3.92	1.071
Sunny Hills	69	3.86	1.102
Sunnybrae	36	3.75	0.906
Tamaki	52	4.02	1.075
Torbay	75	4.11	1.122
St Clair	136	4.03	0.966

i) The respondent has no active involvement in this community

	n	Mean	Standard Deviation
Langs Beach	32	2.22	1.099
Waipu Cove	6	1.83	0.753
Omaha	65	2.48	1.371
Whangamata	69	2.10	1.363
Waihi Beach	77	2.17	1.207
Cooks Beach	47	2.51	1.516
Whitianga	75	2.08	1.260
Papamoa	88	2.53	1.339
Mount Maunganui	106	2.58	1.331
Pukehina	57	2.58	1.281
Maketu	19	2.84	1.385
Coastlands	49	2.84	1.247
Ohope	116	2.44	1.294
Wainui	87	2.52	1.265
Westshore	109	2.53	0.937
Haumoana	45	2.51	1.236
Te Awanga	54	2.56	1.383
Riversdale	10	2.00	0.943
Castlepoint	7	1.57	1.134
Akitio	13	1.23	0.832
Oamaru	71	2.15	1.261
Riverton	37	2.27	1.407
New Brighton	53	2.81	1.316
South Shore	73	2.52	1.215
Sumner	49	2.51	1.023
Kaikoura	31	1.90	1.375
Waitarere	53	2.74	1.443
Foxton Beach	68	2.54	1.190
Castlecliff	75	2.49	1.190
Lyll Bay	44	2.95	1.413
Eastbourne	48	2.23	1.309
Seatoun	46	2.78	1.246
Raumati	142	2.49	1.265
Te Horo	35	2.66	1.282
Oakura	96	2.26	1.250
Milford	71	2.32	1.180
Sunny Hills	69	2.46	1.267
Sunnybrae	37	2.62	1.361
Tamaki	50	2.64	1.367
Torbay	73	2.44	1.269
St Clair	136	2.86	1.224

**Table 39** The following are statements about the respondent's life in their community at present. (for each statement, the mean is of all responses to this question on a scale from 1 (Disagree strongly) to 5 (Agree strongly))

a) The respondent feels that they have control over the things that happen in their life

	n	Mean	Standard Deviation
Langs Beach	33	4.12	0.650
Waipu Cove	8	3.88	0.835
Omaha	70	4.06	0.946
Whangamata	74	3.96	0.999
Waihi Beach	78	4.10	1.064
Cooks Beach	48	3.90	1.259
Whitianga	78	3.94	1.011
Papamoā	94	3.77	1.031
Mount Maunganui	113	4.04	0.958
Pukehina	58	4.28	0.790
Maketu	20	4.00	1.338
Coastlands	49	3.92	0.886
Ohope	122	4.12	0.799
Wainui	90	3.91	1.013
Westshore	119	4.17	0.867
Haumoana	46	3.91	1.007
Te Awanga	54	3.74	1.169
Riversdale	12	3.92	0.996
Castlepoint	7	4.43	0.787
Akitio	14	4.14	0.663
Oamaru	76	3.68	1.224
Riverton	41	4.07	1.058
New Brighton	54	3.78	0.965
South Shore	75	4.04	0.877
Sumner	51	3.98	1.122
Kaikoura	33	3.88	1.111
Waitarere	55	4.00	0.923
Foxton Beach	70	3.81	1.026
Castlecliff	79	3.96	1.068
Lyll Bay	45	3.69	1.104
Eastbourne	48	3.96	0.824
Seatoun	46	3.76	1.037
Raumati	148	3.93	0.990
Te Horo	35	3.74	1.094
Oakura	98	4.12	0.828
Milford	75	3.89	0.981
Sunny Hills	68	4.03	0.914
Sunnybrae	37	3.92	0.759
Tamaki	50	3.72	1.213
Torbay	76	4.04	0.930
St Clair	134	4.03	0.858

b) The respondent feels that they have control over the things that happen in this community

	n	Mean	Standard Deviation
Langs Beach	32	2.66	0.827
Waipu Cove	8	2.63	1.302
Omaha	68	2.53	0.872
Whangamata	72	2.31	1.158
Waihi Beach	78	2.47	1.078
Cooks Beach	48	2.42	1.048
Whitianga	74	2.34	0.969
Papamoa	91	2.42	1.055
Mount Maunganui	111	2.41	0.909
Pukehina	59	2.73	1.014
Maketu	19	2.63	1.257
Coastlands	49	2.57	0.842
Ohope	119	2.54	0.919
Wainui	89	2.45	0.917
Westshore	116	2.53	0.937
Haumoana	46	2.24	1.037
Te Awanga	54	2.31	0.948
Riversdale	12	3.50	1.168
Castlepoint	7	3.00	1.000
Akitio	13	3.08	1.115
Oamaru	72	2.18	1.066
Riverton	38	2.55	1.032
New Brighton	53	2.28	1.063
South Shore	75	2.65	1.020
Sumner	49	2.51	1.023
Kaikoura	31	2.03	0.912
Waitarere	54	2.52	0.885
Foxton Beach	70	2.30	0.857
Castlecliff	78	2.46	1.125
Lyll Bay	42	2.21	1.071
Eastbourne	48	2.83	0.834
Seatoun	46	2.50	0.888
Raumati	145	2.24	0.868
Te Horo	34	2.65	0.884
Oakura	98	2.56	0.975
Milford	72	2.17	0.888
Sunny Hills	69	2.25	0.793
Sunnybrae	37	2.44	0.909
Tamaki	50	2.44	0.929
Torbay	74	2.35	0.883
St Clair	134	2.48	0.907

c) There is no way the respondent can solve some of the problems they have by them self

	n	Mean	Standard Deviation
Langs Beach	32	2.81	1.281
Waipu Cove	8	3.38	1.188
Omaha	66	3.11	1.371
Whangamata	72	2.93	1.427
Waihi Beach	75	2.93	1.464
Cooks Beach	45	2.82	1.302
Whitianga	74	2.96	1.349
Papamoa	92	2.76	1.235
Mount Maunganui	107	2.62	1.357
Pukehina	57	2.88	1.465
Maketu	18	2.94	1.392
Coastlands	47	2.91	1.332
Ohope	117	2.89	1.357
Wainui	89	2.97	1.344
Westshore	112	2.93	1.340
Haumoana	46	2.83	1.387
Te Awanga	50	2.70	1.359
Riversdale	11	3.09	1.446
Castlepoint	8	2.88	1.458
Akitio	12	2.92	1.311
Oamaru	72	2.93	1.466
Riverton	38	2.95	1.488
New Brighton	52	2.92	1.384
South Shore	73	2.86	1.284
Sumner	49	2.94	1.314
Kaikoura	31	2.61	1.174
Waitarere	51	2.98	1.421
Foxton Beach	68	2.93	1.418
Castlecliff	75	2.77	1.429
Lyll Bay	45	3.29	1.199
Eastbourne	47	2.60	1.228
Seatoun	45	2.69	1.184
Raumati	145	2.84	1.398
Te Horo	34	2.88	1.409
Oakura	96	2.72	1.343
Milford	75	2.53	1.189
Sunny Hills	68	2.57	1.176
Sunnybrae	37	3.05	1.129
Tamaki	50	2.80	1.278
Torbay	74	2.57	1.272
St Clair	132	3.02	1.313



d) The respondent can't do much to change what happens in their life

	n	Mean	Standard Deviation
Langs Beach	32	2.19	1.447
Waipu Cove	8	1.88	0.991
Omaha	66	2.03	1.123
Whangamata	73	2.37	1.429
Waihi Beach	79	2.48	1.404
Cooks Beach	45	1.89	1.191
Whitianga	74	2.20	1.293
Papamoa	91	2.04	1.064
Mount Maunganui	108	1.96	1.067
Pukehina	57	1.74	1.173
Maketu	19	2.26	1.447
Coastlands	48	1.85	0.989
Ohope	118	1.94	1.157
Wainui	89	2.16	1.214
Westshore	115	2.07	1.303
Haumoana	45	2.22	1.444
Te Awanga	51	1.94	1.028
Riversdale	11	1.73	1.009
Castlepoint	7	2.43	1.902
Akitio	12	2.50	1.567
Oamaru	71	2.41	1.326
Riverton	38	1.84	1.151
New Brighton	51	1.86	1.040
South Shore	75	2.00	1.185
Sumner	49	1.94	1.107
Kaikoura	31	2.23	1.309
Waitarere	54	2.13	1.166
Foxton Beach	68	2.28	1.256
Castlecliff	76	2.20	1.222
Lyll Bay	42	2.14	1.201
Eastbourne	48	2.06	1.174
Seatoun	45	1.98	1.252
Raumati	143	1.99	1.216
Te Horo	34	1.91	1.190
Oakura	96	1.88	1.145
Milford	75	2.03	1.162
Sunny Hills	67	2.04	1.065
Sunnybrae	36	2.39	1.153
Tamaki	50	2.16	1.218
Torbay	74	2.08	1.168
St Clair	134	2.13	1.166

e) The respondent can't do much to change what happens in this community

	n	Mean	Standard Deviation
Langs Beach	32	2.72	1.143
Waipu Cove	8	2.00	1.069
Omaha	68	2.57	1.111
Whangamata	71	3.15	1.338
Waihi Beach	80	2.98	1.180
Cooks Beach	46	2.78	1.172
Whitianga	75	2.97	1.162
Papamoa	91	2.63	1.029
Mount Maunganui	110	2.96	1.049
Pukehina	57	2.54	1.135
Maketu	20	2.45	1.234
Coastlands	49	2.90	0.895
Ohope	120	2.61	1.063
Wainui	88	2.76	1.039
Westshore	116	2.71	1.150
Haumoana	45	2.84	1.127
Te Awanga	54	2.67	1.028
Riversdale	11	2.36	1.027
Castlepoint	7	2.43	1.397
Akitio	12	1.75	0.866
Oamaru	73	2.78	1.336
Riverton	37	2.51	1.096
New Brighton	52	2.87	1.138
South Shore	77	2.60	1.115
Sumner	47	2.70	1.082
Kaikoura	31	2.97	1.278
Waitarere	54	2.67	1.229
Foxton Beach	70	2.81	1.133
Castlecliff	77	2.86	1.222
Lyll Bay	43	2.79	1.264
Eastbourne	47	2.40	0.993
Seatoun	45	2.76	1.317
Raumati	146	2.67	1.090
Te Horo	34	2.56	1.021
Oakura	97	2.59	1.038
Milford	75	3.16	1.151
Sunny Hills	68	2.93	1.111
Sunnybrae	36	3.00	1.121
Tamaki	50	3.32	1.115
Torbay	74	3.05	1.084
St Clair	135	2.75	1.104

f) Somehow problems in the respondent's life usually solve themselves

	n	Mean	Standard Deviation
Langs Beach	32	2.47	1.135
Waipu Cove	8	2.63	0.916
Omaha	65	2.63	1.282
Whangamata	72	3.00	1.374
Waihi Beach	76	3.04	1.270
Cooks Beach	45	2.47	1.375
Whitianga	76	2.84	1.357
Papamoa	92	2.83	1.145
Mount Maunganui	108	2.90	1.076
Pukehina	56	2.70	1.334
Maketu	19	2.89	1.449
Coastlands	47	2.55	1.212
Ohope	117	2.50	1.056
Wainui	87	2.74	1.186
Westshore	114	2.69	1.249
Haumoana	45	2.98	1.215
Te Awanga	52	2.62	1.207
Riversdale	11	2.64	1.027
Castlepoint	7	2.29	1.496
Akitio	12	2.25	1.357
Oamaru	74	3.00	1.443
Riverton	39	2.82	1.355
New Brighton	52	3.06	1.127
South Shore	74	2.59	1.019
Sumner	51	2.92	1.309
Kaikoura	31	2.97	1.251
Waitarere	54	2.98	1.073
Foxton Beach	68	2.90	1.283
Castlecliff	76	3.05	1.253
Lyll Bay	44	2.77	1.236
Eastbourne	46	3.07	1.104
Seatoun	45	2.69	1.240
Raumati	143	2.69	1.177
Te Horo	34	2.88	1.066
Oakura	97	2.73	1.141
Milford	74	2.86	1.114
Sunny Hills	67	2.75	1.210
Sunnybrae	36	3.00	0.956
Tamaki	46	3.63	1.236
Torbay	73	2.90	1.145
St Clair	134	2.81	1.186

**Table 40** What are the two main reasons the respondent has for choosing to live in their area? (respondents visiting the area did not answer in this table)

Natural Beauty of the Coast	n	%
Langs Beach	43	58.1
Waipu Cove	11	18.2
Omaha	107	36.4
Whangamata	111	33.3
Waihi Beach	125	36.8
Cooks Beach	93	30.1
Whitianga	94	44.7
Papamoa	103	38.2
Mount Maunganui	135	42.2
Pukehina	73	50.7
Maketu	22	54.5
Coastlands	50	52.0
Ohope	134	50.7
Wainui	97	53.6
Westshore	126	39.7
Haumoana	49	59.2
Te Awanga	57	64.9
Riversdale	17	35.3
Castlepoint	23	30.4
Akitio	27	25.9
Oamaru	80	26.3
Riverton	48	56.3
New Brighton	56	57.1
South Shore	78	64.1
Sumner	52	57.7
Kaikoura	36	69.4
Waitarere	79	24.1
Foxton Beach	77	37.7
Castlecliff	81	45.7
Lyll Bay	45	51.1
Eastbourne	50	60.0
Seatoun	48	50.0
Raumati	167	47.3
Te Horo	40	70.0
Oakura	104	57.7
Milford	80	52.5
Sunny Hills	71	38.0
Sunnybrae	37	32.4
Tamaki	52	42.3
Torbay	78	60.3
St Clair	138	50.7

Sea Views	n	%
Langs Beach	43	27.9
Waipu Cove	11	27.3
Omaha	107	9.3
Whangamata	111	11.7
Waihi Beach	125	14.4
Cooks Beach	93	9.7
Whitianga	94	7.5
Papamoa	103	13.6
Mount Maunganui	135	30.4
Pukehina	73	16.4
Maketu	22	36.3
Coastlands	50	14.0
Ohope	134	35.8
Wainui	97	18.5
Westshore	126	53.9
Haumoana	49	46.9
Te Awanga	57	29.9
Riversdale	17	35.3
Castlepoint	23	4.3
Akitio	27	7.4
Oamaru	80	7.5
Riverton	48	33.3
New Brighton	56	21.5
South Shore	78	12.8
Sumner	52	34.6
Kaikoura	36	8.4
Waitarere	79	11.4
Foxton Beach	77	13.0
Castlecliff	81	49.4
Lyll Bay	45	15.5
Eastbourne	50	30.0
Seatoun	48	31.3
Raumati	167	38.4
Te Horo	40	25.0
Oakura	104	29.8
Milford	80	22.6
Sunny Hills	71	33.8
Sunnybrae	37	8.1
Tamaki	52	50.0
Torbay	78	51.2
St Clair	138	24.6

Escape from city life	n	%
Langs Beach	43	23.3
Waipu Cove	11	27.3
Omaha	107	31.8
Whangamata	111	24.3
Waihi Beach	125	23.2
Cooks Beach	93	23.7
Whitianga	94	30.9
Papamoa	103	27.2
Mount Maunganui	135	11.8
Pukehina	73	32.9
Maketu	22	27.3
Coastlands	50	36.0
Ohope	134	17.9
Wainui	97	17.5
Westshore	126	19.0
Haumoana	49	34.7
Te Awanga	57	36.8
Riversdale	17	5.9
Castlepoint	23	4.3
Akitio	27	11.1
Oamaru	80	42.5
Riverton	48	25.1
New Brighton	56	35.7
South Shore	78	38.5
Sumner	52	25.0
Kaikoura	36	27.7
Waitarere	79	33.0
Foxton Beach	77	44.6
Castlecliff	81	15.9
Lyll Bay	45	24.4
Eastbourne	50	26.0
Seatoun	48	25.0
Raumati	167	28.8
Te Horo	40	32.5
Oakura	104	23.0
Milford	80	10.1
Sunny Hills	71	14.0
Sunnybrae	37	29.7
Tamaki	52	5.7
Torbay	78	6.4
St Clair	138	13.0

Easy access to beach	n	%
Langs Beach	43	2.3
Waipu Cove	11	9.1
Omaha	107	10.3
Whangamata	111	18.9
Waihi Beach	125	18.4
Cooks Beach	93	4.3
Whitianga	94	11.7
Papamoa	103	39.8
Mount Maunganui	135	30.4
Pukehina	73	17.8
Maketu	22	4.5
Coastlands	50	30.0
Ohope	134	26.2
Wainui	97	31.0
Westshore	126	25.4
Haumoana	49	8.1
Te Awanga	57	14.1
Riversdale	17	5.9
Castlepoint	23	0
Akitio	27	11.1
Oamaru	80	5.1
Riverton	48	4.2
New Brighton	56	32.1
South Shore	78	39.8
Sumner	52	23.0
Kaikoura	36	2.8
Waitarere	79	15.2
Foxton Beach	77	20.8
Castlecliff	81	33.3
Lyll Bay	45	33.3
Eastbourne	50	8.0
Seatoun	48	27.1
Raumati	167	25.2
Te Horo	40	15.0
Oakura	104	13.4
Milford	80	42.6
Sunny Hills	71	8.4
Sunnybrae	37	18.9
Tamaki	52	0
Torbay	78	19.2
St Clair	138	42.3

Fishing & shellfish gathering	n	%
Langs Beach	43	0
Waipu Cove	11	9.1
Omaha	107	2.8
Whangamata	111	2.7
Waihi Beach	125	5.6
Cooks Beach	93	9.7
Whitianga	94	14.9
Papamoa	103	4.8
Mount Maunganui	135	1.5
Pukehina	73	10.9
Maketu	22	13.6
Coastlands	50	6.0
Ohope	134	0.7
Wainui	97	1.0
Westshore	126	0
Haumoana	49	6.1
Te Awanga	57	3.6
Riversdale	17	0
Castlepoint	23	4.3
Akitio	27	14.8
Oamaru	80	11.3
Riverton	48	10.4
New Brighton	56	0
South Shore	78	1.3
Sumner	52	0
Kaikoura	36	11.2
Waitarere	79	11.4
Foxton Beach	77	5.2
Castlecliff	81	6.2
Lyll Bay	45	0
Eastbourne	50	2.0
Seatoun	48	2.1
Raumati	167	1.2
Te Horo	40	5.0
Oakura	104	2.0
Milford	80	1.3
Sunny Hills	71	1.4
Sunnybrae	37	0
Tamaki	52	0
Torbay	78	0
St Clair	138	0.7

Boating	n	%
Langs Beach	43	7.0
Waipu Cove	11	0
Omaha	107	5.6
Whangamata	111	1.8
Waihi Beach	125	1.6
Cooks Beach	93	4.3
Whitianga	94	11.7
Papamoa	103	1.0
Mount Maunganui	135	0.7
Pukehina	73	2.7
Maketu	22	13.6
Coastlands	50	4.0
Ohope	134	0.7
Wainui	97	1.0
Westshore	126	1.6
Haumoana	49	4.1
Te Awanga	57	3.6
Riversdale	17	5.9
Castlepoint	23	4.3
Akitio	27	11.1
Oamaru	80	3.8
Riverton	48	2.1
New Brighton	56	0
South Shore	78	0
Sumner	52	0
Kaikoura	36	8.3
Waitarere	79	1.3
Foxton Beach	77	2.6
Castlecliff	81	0
Lyll Bay	45	0
Eastbourne	50	2.0
Seatoun	48	0
Raumati	167	0
Te Horo	40	0
Oakura	104	1.9
Milford	80	1.3
Sunny Hills	71	11.2
Sunnybrae	37	0
Tamaki	52	17.3
Torbay	78	6.4
St Clair	138	0

Recreation	n	%
Langs Beach	43	20.9
Waipu Cove	11	27.3
Omaha	107	28.2
Whangamata	111	18.0
Waihi Beach	125	16.8
Cooks Beach	93	10.8
Whitianga	94	12.8
Papamoa	103	32.1
Mount Maunganui	135	28.9
Pukehina	73	21.9
Maketu	22	4.5
Coastlands	50	40.0
Ohope	134	42.1
Wainui	97	46.4
Westshore	126	34.9
Haumoana	49	6.1
Te Awanga	57	14.1
Riversdale	17	17.7
Castlepoint	23	0
Akitio	27	3.7
Oamaru	80	10.1
Riverton	48	6.3
New Brighton	56	34.0
South Shore	78	33.4
Sumner	52	34.6
Kaikoura	36	19.5
Waitarere	79	21.6
Foxton Beach	77	31.2
Castlecliff	81	22.2
Lyll Bay	45	35.5
Eastbourne	50	28.0
Seatoun	48	23.0
Raumati	167	19.2
Te Horo	40	15.0
Oakura	104	44.2
Milford	80	32.5
Sunny Hills	71	22.4
Sunnybrae	37	30.5
Tamaki	52	13.5
Torbay	78	28.2
St Clair	138	30.4

Sunbathing	n	%
Langs Beach	43	0
Waipu Cove	11	0
Omaha	107	0.9
Whangamata	111	2.7
Waihi Beach	125	0
Cooks Beach	93	0
Whitianga	94	0
Papamoa	103	0
Mount Maunganui	135	1.5
Pukehina	73	0
Maketu	22	0
Coastlands	50	0
Ohope	134	0
Wainui	97	0
Westshore	126	0.8
Haumoana	49	0
Te Awanga	78	0
Riversdale	17	0
Castlepoint	23	0
Akitio	27	0
Oamaru	80	0
Riverton	48	0
New Brighton	56	0
South Shore	78	0
Sumner	52	0
Kaikoura	36	0
Waitarere	79	0
Foxton Beach	77	0
Castlecliff	81	0
Lyll Bay	45	0
Eastbourne	50	2.0
Seatoun	48	2.1
Raumati	167	1.2
Te Horo	40	0
Oakura	104	0
Milford	80	2.5
Sunny Hills	71	4.2
Sunnybrae	37	2.7
Tamaki	52	5.7
Torbay	72	1.3
St Clair	138	0

Other	n	%
Langs Beach	43	6.9
Waipu Cove	11	27.3
Omaha	107	5.4
Whangamata	111	14.4
Waihi Beach	125	10.4
Cooks Beach	93	9.7
Whitianga	94	29.8
Papamoa	103	22.3
Mount Maunganui	135	13.8
Pukehina	73	11.0
Maketu	22	22.7
Coastlands	50	6.0
Ohope	134	16.8
Wainui	97	16.5
Westshore	126	17.5
Haumoana	49	20.1
Te Awanga	57	17.5
Riversdale	17	34.4
Castlepoint	23	8.6
Akitio	27	7.4
Oamaru	80	63.8
Riverton	48	29.2
New Brighton	56	14.3
South Shore	78	6.5
Sumner	52	11.5
Kaikoura	36	30.1
Waitarere	79	11.4
Foxton Beach	77	18.2
Castlecliff	81	23.5
Lyll Bay	45	26.7
Eastbourne	50	28.0
Seatoun	48	25.0
Raumati	167	15.6
Te Horo	40	7.5
Oakura	104	13.5
Milford	80	18.8
Sunny Hills	71	38.0
Sunnybrae	37	45.9
Tamaki	52	44.2
Torbay	78	15.4
St Clair	138	23.2



**Table 41** How often does the respondent visit this area? (Residents of the area did not answer in this table)

	n	Very infrequently (once a year or less)	Infrequently (2-3 times per year)	Frequently (4-6 times per year)	Very frequently (at least 6 times per year)
Langs Beach	12	8.3	0	16.7	75.0
Waipu Cove	3	0	0	33.3	66.7
Omaha	40	2.5	2.5	12.5	82.5
Whangamata	37	2.7	10.8	16.2	70.3
Waihi Beach	49	2.0	8.2	10.2	79.6
Cooks Beach	49	4.1	2.0	12.2	81.6
Whitianga	17	0	17.6	5.9	76.5
Papamoa	6	16.7	33.3	33.3	16.7
Mount Maunganui	18	0	11.1	16.7	72.2
Pukehina	13	15.4	7.7	7.7	69.2
Maketu	2	0	50.0	0	50.0
Coastlands	1	0	100	0	0
Ohope	10	10.0	0	40.0	50.0
Wainui	4	50.0	0	0	50.0
Westshore	3	0	0	0	100
Haumoana	1	0	0	0	100
Te Awanga	10	30.0	10.0	10.0	50.0
Riversdale	5	0	0	20.0	80.0
Castlepoint	17	17.6	5.9	5.9	70.6
Akitio	14	7.1	0	21.4	71.4
Oamaru	1	100	0	0	0
Riverton	7	0	0	0	100
New Brighton	1	0	0	0	100
South Shore	1	100	0	0	0
Sumner	0	0	0	0	0
Kaikoura	3	33.3	0	0	66.7
Waitarere	24	0	4.2	12.5	83.3
Foxton Beach	4	0	0	50.0	50.0
Castlecliff	0	0	0	0	0
Lyll Bay	1	0	100	0	0
Eastbourne	0	0	0	0	0
Seatoun	0	0	0	0	0
Raumati	17	0	0	11.8	88.2
Te Horo	3	0	0	0	100
Oakura	3	0	0	0	100
Milford	1	0	0	100	0
Sunny Hills	1	0	0	0	100
Sunnybrae	0	0	0	0	0
Tamaki	1	0	0	0	100
Torbay	0	0	0	0	0
St Clair	3	33.3	0	0	66.7
Visitors	n	Very infrequently (once a year or less)	Infrequently (2-3 times per year)	Frequently (4-6 times per year)	Very frequently (at least 6 times per year)
Langs Beach	13	46.2	7.7	30.8	15.4
Waipu Cove	70	17.1	5.7	10.0	67.1
Omaha	7	42.9	28.6	14.3	14.3
Whangamata	34	26.5	23.5	0	50.0
Waihi Beach	22	27.3	9.1	22.7	40.9
Cooks Beach	29	51.7	10.3	3.4	34.5
Whitianga	46	63.0	8.7	8.7	19.6
Papamoa	75	30.7	13.3	10.7	45.3
Mount Maunganui	73	20.5	17.8	15.1	46.6
Pukehina	25	16.0	16.0	4.0	64.0
Ohope	90	78.9	14.4	0	6.7
Wainui	2	0	0	0	100.0
Te Awanga	N/A				
New Brighton	10	20.0	20.0	10.0	50.0
Kaikoura	8	100.0	0	0	0

**Table 42** What are your main reasons for visiting this community? (Choose the TWO most important reasons from the list below).

Natural Beauty of the Coast	n	%
Langs Beach	12	50.0
Waipu Cove	3	33.3
Omaha	40	30.0
Whangamata	37	37.8
Waihi Beach	49	30.6
Cooks Beach	49	51.0
Whitianga	17	35.3
Papamoa	6	50.0
Mount Maunganui	18	44.4
Pukehina	13	53.8
Maketu	2	50.0
Coastlands	1	0
Ohope	10	50.0
Wainui	4	100
Westshore	3	0
Haumoana	1	0
Te Awanga	10	20.0
Riversdale	5	80.0
Castlepoint	17	29.4
Akitio	14	35.7
Oamaru	1	100
Riverton	7	100
New Brighton	1	100
South Shore	1	100
Sumner	0	0
Kaikoura	3	66.7
Waitarere	24	54.2
Foxton Beach	4	0
Castlecliff	0	0
Lyll Bay	1	100
Eastbourne	0	0
Seatoun	0	0
Raumati	17	47.1
Te Horo	3	66.7
Oakura	3	66.7
Milford	1	100
Sunny Hills	1	0
Sunnybrae	0	0
Tamaki	1	100
Torbay	0	0
St Clair	3	66.7
Visitors	n	%
Langs Beach	13	46.2
Waipu Cove	71	28.2
Omaha	7	14.3
Whangamata	35	25.7
Waihi Beach	25	36.0
Cooks Beach	32	46.9
Whitianga	52	30.8
Papamoa	77	23.4
Mount Maunganui	75	30.7
Pukehina	31	35.5
Ohope	91	31.9
Wainui	4	25.0
Te Awanga	10	50.0
New Brighton	10	40.0
Kaikoura	10	30.0

Sea Views	n	%
Langs Beach	12	25.0
Waipu Cove	3	66.7
Omaha	40	17.5
Whangamata	37	27.0
Waihi Beach	49	16.3
Cooks Beach	49	10.2
Whitianga	17	11.8
Papamoa	6	16.7
Mount Maunganui	18	61.1
Pukehina	13	23.1
Maketu	2	50.0
Coastlands	1	0
Ohope	10	0
Wainui	4	25.0
Westshore	3	66.7
Haumoana	1	0
Te Awanga	10	20.0
Riversdale	5	20.0
Castlepoint	17	0
Akitio	14	14.3
Oamaru	1	0
Riverton	7	28.6
New Brighton	1	0
South Shore	1	100
Sumner	0	0
Kaikoura	3	33.3
Waitarere	24	4.2
Foxton Beach	4	50.0
Castlecliff	0	0
Lyll Bay	1	0
Eastbourne	0	0
Seatoun	0	0
Raumati	17	29.4
Te Horo	3	66.7
Oakura	3	33.3
Milford	1	0
Sunny Hills	1	100
Sunnybrae	0	0
Tamaki	1	0
Torbay	0	0
St Clair	3	33.3
Visitors	n	%
Langs Beach	13	15.4
Waipu Cove	71	5.6
Omaha	7	14.3
Whangamata	35	2.9
Waihi Beach	25	0
Cooks Beach	32	3.1
Whitianga	52	13.5
Papamoa	77	16.9
Mount Maunganui	75	14.7
Pukehina	31	25.8
Ohope	91	5.5
Wainui	4	0
Te Awanga	10	20.0
New Brighton	10	60.0
Kaikoura	10	10.0

Easy access to beach	n	%
Langs Beach	12	16.7
Waipu Cove	3	33.3
Omaha	40	35
Whangamata	37	29.7
Waihi Beach	49	32.6
Cooks Beach	49	34.6
Whitianga	17	23.5
Papamoa	6	16.7
Mount Maunganui	18	22.2
Pukehina	13	30.8
Maketu	2	0
Coastlands	1	100
Ohope	10	20.0
Wainui	4	0
Westshore	3	0
Haumoana	1	0
Te Awanga	10	30.0
Riversdale	5	0
Castlepoint	17	41.1
Akitio	14	21.4
Oamaru	1	100
Riverton	7	42.9
New Brighton	1	100
South Shore	1	0
Sumner	0	0
Kaikoura	3	0
Waitarere	24	33.3
Foxton Beach	4	25.0
Castlecliff	0	0
Lyll Bay	1	0
Eastbourne	0	0
Seatoun	0	0
Raumati	17	23.5
Te Horo	3	0
Oakura	3	33.3
Milford	1	0
Sunny Hills	1	100
Sunnybrae	0	0
Tamaki	1	0
Torbay	0	0
St Clair	3	33.3
Visitors	n	%
Langs Beach	13	15.4
Waipu Cove	71	29.5
Omaha	7	28.6
Whangamata	35	20.0
Waihi Beach	25	20.0
Cooks Beach	32	21.9
Whitianga	52	19.2
Papamoa	77	28.6
Mount Maunganui	75	29.3
Pukehina	31	25.8
Ohope	91	36.3
Wainui	4	0
Te Awanga	10	0
New Brighton	10	30.0
Kaikoura	10	0

Fishing & shellfish gathering	n	%
Langs Beach	12	8.3
Waipu Cove	3	0
Omaha	40	5.0
Whangamata	37	5.4
Waihi Beach	49	6.1
Cooks Beach	49	18.4
Whitianga	17	17.6
Papamoa	6	16.7
Mount Maunganui	18	0
Pukehina	13	15.4
Maketu	2	50.0
Coastlands	1	100
Ohope	10	0
Wainui	4	0
Westshore	3	0
Haumoana	1	0
Te Awanga	10	30.0
Riversdale	5	20.0
Castlepoint	17	29.4
Akitio	14	50.0
Oamaru	1	0
Riverton	7	0
New Brighton	1	0
South Shore	1	0
Sumner	0	0
Kaikoura	3	33.3
Waitarere	24	4.2
Foxton Beach	4	0
Castlecliff	0	0
Lyll Bay	1	0
Eastbourne	0	0
Seatoun	0	0
Raumati	17	0
Te Horo	3	0
Oakura	3	0
Milford	1	0
Sunny Hills	1	0
Sunnybrae	0	0
Tamaki	1	0
Torbay	0	0
St Clair	3	0
Visitors	n	%
Langs Beach	13	7.7
Waipu Cove	71	21.2
Omaha	7	0
Whangamata	35	5.7
Waihi Beach	25	4.0
Cooks Beach	32	9.4
Whitianga	52	13.5
Papamoa	77	5.2
Mount Maunganui	75	1.3
Pukehina	31	19.4
Ohope	91	1.1
Wainui	4	0
Te Awanga	10	30.0
New Brighton	10	0
Kaikoura	10	0

Boating	n	%
Langs Beach	12	8.3
Waipu Cove	3	0
Omaha	40	12.5
Whangamata	37	2.7
Waihi Beach	49	4.1
Cooks Beach	49	26.5
Whitianga	17	23.5
Papamoa	6	50.0
Mount Maunganui	18	5.6
Pukehina	13	7.7
Maketu	2	0
Coastlands	1	0
Ohope	10	0
Wainui	4	0
Westshore	3	0
Haumoana	1	0
Te Awanga	10	0
Riversdale	5	0
Castlepoint	17	5.9
Akitio	14	21.4
Oamaru	1	0
Riverton	7	0
New Brighton	1	0
South Shore	1	0
Sumner	0	0
Kaikoura	3	0
Waitarere	24	0
Foxton Beach	4	50.0
Castlecliff	0	0
Lyll Bay	1	0
Eastbourne	0	0
Seatoun	0	0
Raumati	17	0
Te Horo	3	0
Oakura	3	0
Milford	1	0
Sunny Hills	1	0
Sunnybrae	0	0
Tamaki	1	0
Torbay	0	0
St Clair	3	0
Visitors	n	%
Langs Beach	13	0
Waipu Cove	71	1.4
Omaha	7	0
Whangamata	35	2.9
Waihi Beach	25	8.0
Cooks Beach	32	15.7
Whitianga	52	32.7
Papamoa	77	5.2
Mount Maunganui	75	5.3
Pukehina	31	0
Ohope	91	3.3
Wainui	4	0
Te Awanga	10	0
New Brighton	10	0
Kaikoura	10	10.0

Recreation	n	%
Langs Beach	12	75.0
Waipu Cove	3	33.3
Omaha	40	62.5
Whangamata	37	56.7
Waihi Beach	49	65.2
Cooks Beach	49	40.8
Whitianga	17	17.6
Papamoa	6	0
Mount Maunganui	18	38.9
Pukehina	13	15.4
Maketu	2	50.0
Coastlands	1	0
Ohope	10	70.0
Wainui	4	75.0
Westshore	3	33.3
Haumoana	1	0
Te Awanga	10	70.0
Riversdale	5	20.0
Castlepoint	17	52.9
Akitio	14	21.4
Oamaru	1	0
Riverton	7	42.9
New Brighton	1	0
South Shore	1	0
Sumner	0	0
Kaikoura	3	0
Waitarere	24	50.0
Foxton Beach	4	75.0
Castlecliff	0	0
Lyll Bay	1	100
Eastbourne	0	0
Seatoun	0	0
Raumati	17	29.4
Te Horo	3	0
Oakura	3	66.7
Milford	1	0
Sunny Hills	1	0
Sunnybrae	0	0
Tamaki	1	0
Torbay	0	0
St Clair	3	0
Visitors	n	%
Langs Beach	13	61.6
Waipu Cove	71	69.1
Omaha	7	85.7
Whangamata	35	65.8
Waihi Beach	25	48.0
Cooks Beach	32	68.8
Whitianga	52	42.3
Papamoa	77	74.1
Mount Maunganui	75	78.7
Pukehina	31	29.1
Ohope	91	78.0
Wainui	4	25.0
Te Awanga	10	30.0
New Brighton	10	60.0
Kaikoura	10	0

Sunbathing	n	%
Langs Beach	12	0
Waipu Cove	3	0
Omaha	40	0
Whangamata	37	2.7
Waihi Beach	49	2.0
Cooks Beach	49	0
Whitianga	17	0
Papamoa	6	0
Mount Maunganui	18	0
Pukehina	13	7.7
Maketu	2	0
Coastlands	1	0
Ohope	10	10.0
Wainui	4	0
Westshore	3	0
Haumoana	1	0
Te Awanga	10	0
Riversdale	5	0
Castlepoint	17	5.9
Akitio	14	0
Oamaru	1	0
Riverton	7	0
New Brighton	1	0
South Shore	1	0
Sumner	0	0
Kaikoura	3	0
Waitarere	24	0
Foxton Beach	4	0
Castlecliff	0	0
Lyll Bay	1	0
Eastbourne	0	0
Seatoun	0	0
Raumati	17	0
Te Horo	3	0
Oakura	3	0
Milford	1	100
Sunny Hills	1	0
Sunnybrae	0	0
Tamaki	1	0
Torbay	0	0
St Clair	3	0
Visitors	n	%
Langs Beach	13	7.7
Waipu Cove	71	2.8
Omaha	7	28.6
Whangamata	35	14.3
Waihi Beach	25	0
Cooks Beach	32	3.1
Whitianga	52	1.9
Papamoa	77	6.5
Mount Maunganui	75	4.0
Pukehina	31	0
Ohope	91	5.5
Wainui	4	0
Te Awanga	10	0
New Brighton	10	0
Kaikoura	10	0

Other	n	%
Langs Beach	12	16.7
Waipu Cove	3	33.3
Omaha	40	17.5
Whangamata	37	29.7
Waihi Beach	49	24.3
Cooks Beach	49	12.2
Whitianga	17	58.8
Papamoa	6	16.7
Mount Maunganui	18	27.8
Pukehina	13	46.2
Maketu	2	0
Coastlands	1	0
Ohope	10	40.0
Wainui	4	0
Westshore	3	66.7
Haumoana	1	0
Te Awanga	10	30.0
Riversdale	5	60.0
Castlepoint	17	35.3
Akitio	14	28.6
Oamaru	1	0
Riverton	7	0
New Brighton	1	0
South Shore	1	0
Sumner	0	0
Kaikoura	3	0
Waitarere	24	29.2
Foxton Beach	4	0
Castlecliff	0	0
Lyll Bay	1	0
Eastbourne	0	0
Seatoun	0	0
Raumati	17	47.1
Te Horo	3	33.3
Oakura	3	0
Milford	1	0
Sunny Hills	1	0
Sunnybrae	0	0
Tamaki	1	100
Torbay	0	0
St Clair	3	33.3
Visitors	n	%
Langs Beach	13	30.8
Waipu Cove	71	31.0
Omaha	7	14.3
Whangamata	35	34.3
Waihi Beach	25	24.0
Cooks Beach	32	18.8
Whitianga	52	19.2
Papamoa	77	18.2
Mount Maunganui	75	19.5
Pukehina	31	25.6
Ohope	91	19.8
Wainui	4	0
Te Awanga	10	30.0
New Brighton	10	10.0
Kaikoura	10	70.0

**Table 43** For each statement, the mean is of all responses to this question on a scale from 1 (Disagree strongly) to 5 (Agree strongly).

a) The respondent feels at home in their area

	n	Mean	Standard Deviation
Langs Beach	41	4.68	0.820
Waipu Cove	11	4.45	0.820
Omaha	104	4.50	0.800
Whangamata	104	4.52	0.836
Waihi Beach	118	4.57	0.790
Cooks Beach	90	4.64	0.724
Whitianga	90	4.52	0.782
Papamoa	92	4.54	0.818
Mount Maunganui	125	4.51	0.736
Pukehina	70	4.51	0.794
Maketu	21	4.67	0.577
Coastlands	49	4.35	0.969
Ohope	125	4.58	0.775
Wainui	93	4.72	0.665
Westshore	123	4.78	0.580
Haumoana	45	4.67	0.707
Te Awanga	54	4.69	0.668
Riversdale	15	5.00	0.000
Castlepoint	21	4.52	0.928
Akitio	27	4.63	0.742
Oamaru	78	4.22	1.112
Riverton	45	4.82	0.650
New Brighton	53	4.49	0.750
South Shore	76	4.64	0.706
Sumner	49	4.67	0.774
Kaikoura	32	4.53	0.761
Waitarere	73	4.38	0.793
Foxton Beach	73	4.44	0.707
Castlecliff	78	4.49	0.698
Lyll Bay	45	4.60	0.580
Eastbourne	49	4.51	0.794
Seatoun	45	4.71	0.589
Raumati	163	4.50	0.804
Te Horo	38	4.34	0.847
Oakura	99	4.69	0.600
Milford	78	4.67	0.658
Sunny Hills	70	4.63	0.705
Sunnybrae	37	4.38	0.861
Tamaki	50	4.26	0.944
Torbay	77	4.58	0.732
St Clair	133	4.64	0.742

b) The respondent knows the neighbours

	n	Mean	Standard Deviation
Langs Beach	40	4.25	0.870
Waipu Cove	11	4.36	0.674
Omaha	104	4.09	1.107
Whangamata	103	4.22	1.057
Waihi Beach	117	4.09	1.103
Cooks Beach	90	4.40	0.909
Whitianga	85	4.15	1.118
Papamoa	91	3.90	1.184
Mount Maunganui	121	3.93	1.070
Pukehina	70	4.37	0.837
Maketu	20	4.50	0.827
Coastlands	49	3.82	1.202
Ohope	123	4.17	1.014
Wainui	91	4.33	0.883
Westshore	122	4.40	0.951
Haumoana	45	4.11	1.027
Te Awanga	55	4.05	1.008
Riversdale	16	4.81	0.403
Castlepoint	20	4.00	1.298
Akitio	27	4.26	1.196
Oamaru	77	4.10	1.083
Riverton	45	4.40	0.915
New Brighton	52	3.73	1.239
South Shore	74	3.95	1.133
Sumner	49	4.10	0.984
Kaikoura	32	4.31	1.091
Waitarere	75	3.99	1.046
Foxton Beach	74	3.96	0.957
Castlecliff	76	4.22	0.932
Lyll Bay	45	3.73	1.195
Eastbourne	48	4.13	0.841
Seatoun	44	4.14	1.025
Raumati	162	3.99	1.015
Te Horo	38	3.97	1.026
Oakura	99	4.32	0.902
Milford	78	4.21	0.843
Sunny Hills	69	3.88	1.119
Sunnybrae	37	3.81	0.995
Tamaki	52	4.08	1.100
Torbay	77	4.14	0.969
St Clair	132	4.06	0.955

c) The respondent is interested in community events

	n	Mean	Standard Deviation
Langs Beach	40	3.90	1.008
Waipu Cove	10	4.10	0.738
Omaha	102	3.79	0.926
Whangamata	99	3.87	0.965
Waihi Beach	114	3.79	1.060
Cooks Beach	88	3.89	1.055
Whitianga	83	4.00	0.924
Papamoa	85	3.68	1.038
Mount Maunganui	121	3.75	0.933
Pukehina	65	3.94	0.933
Maketu	20	4.55	0.759
Coastlands	49	3.69	1.045
Ohope	123	3.91	1.008
Wainui	90	3.82	1.023
Westshore	116	4.02	1.030
Haumoana	45	3.60	1.232
Te Awanga	52	4.27	0.888
Riversdale	15	4.40	0.828
Castlepoint	20	3.75	1.293
Akitio	27	4.00	1.240
Oamaru	72	3.69	1.109
Riverton	43	4.02	1.102
New Brighton	51	3.76	0.992
South Shore	72	3.92	0.900
Sumner	49	3.86	0.913
Kaikoura	31	4.06	0.998
Waitarere	71	3.58	1.051
Foxton Beach	72	3.74	0.934
Castlecliff	74	3.96	0.999
Lyll Bay	44	3.70	1.069
Eastbourne	47	4.06	0.942
Seatoun	42	3.76	0.958
Raumati	161	3.73	0.913
Te Horo	37	3.68	1.082
Oakura	98	4.07	0.900
Milford	77	3.61	1.002
Sunny Hills	67	3.54	0.943
Sunnybrae	37	3.68	0.944
Tamaki	52	3.65	1.136
Torbay	75	3.64	1.035
St Clair	130	3.78	1.011



d) The respondent is interested in local environmental issues (e.g. rubbish disposal, beach water quality)

	n	Mean	Standard Deviation
Langs Beach	40	4.35	0.770
Waipu Cove	11	4.18	0.603
Omaha	104	4.18	0.868
Whangamata	102	4.23	0.900
Waihi Beach	118	4.22	0.988
Cooks Beach	90	4.52	0.877
Whitianga	86	4.40	0.830
Papamoa	92	4.22	0.836
Mount Maunganui	123	4.17	0.884
Pukehina	68	4.49	0.743
Maketu	21	4.86	0.478
Coastlands	49	4.12	1.013
Ohope	123	4.20	0.877
Wainui	91	4.40	0.787
Westshore	123	4.38	0.873
Haumoana	44	4.52	0.792
Te Awanga	54	4.48	0.818
Riversdale	15	4.47	0.743
Castlepoint	20	4.15	1.182
Akitio	27	4.52	0.802
Oamaru	73	3.88	1.130
Riverton	45	4.13	1.140
New Brighton	52	4.27	0.866
South Shore	73	4.34	0.837
Sumner	48	4.52	0.652
Kaikoura	30	4.43	0.817
Waitarere	73	4.32	0.998
Foxton Beach	75	4.20	0.870
Castlecliff	74	4.51	0.707
Lyll Bay	45	4.33	0.826
Eastbourne	48	4.15	0.989
Seatoun	44	4.02	0.792
Raumati	163	4.23	0.907
Te Horo	38	4.13	0.811
Oakura	100	4.54	0.673
Milford	77	4.19	0.658
Sunny Hills	68	3.81	0.885
Sunnybrae	36	4.00	0.926
Tamaki	52	4.19	1.121
Torbay	76	4.07	1.037
St Clair	130	4.11	1.051

**Table 44** Is the respondent involved as a volunteer with any of the following in this area?

	n	Fire Brigade	Civil Defence	Search and Rescue	Surf Lifesaving	Rural fire patrol	Other
Langs Beach	43	0	0	2.3	7.0	0	16.3
Waipu Cove	11	0	9.1	0	18.2	0	0
Omaha	107	3.7	0.9	3.7	3.7	2.8	14.0
Whangamata	111	1.8	0.9	2.7	2.7	0.9	26.1
Waihi Beach	125	0.8	1.6	1.6	5.6	0	26.8
Cooks Beach	93	7.5	2.2	1.1	2.2	1.1	22.9
Whitianga	94	3.2	4.3	2.1	0	0	20.2
Papamoa	103	4.9	3.9	1.0	6.8	0	24.3
Mount Maunganui	135	1.5	2.2	0	3.0	0	11.1
Pukehina	73	8.2	1.4	4.1	9.6	0	15.1
Maketu	22	13.6	4.5	4.5	0	0	18.2
Coastlands	50	2.0	2.0	2.0	2.0	2.0	28.0
Ohope	134	2.2	0.7	0.7	5.2	0.7	23.1
Wainui	97	0	3.1	1.0	9.3	0	21.6
Westshore	126	0	4.0	3.2	4.8	0	19.0
Haumoana	49	4.1	6.1	2.0	0	2.0	14.3
Te Awanga	57	1.8	5.3	1.8	0	0	19.3
Riversdale	17	29.4	17.6	11.8	17.6	5.9	35.3
Castlepoint	23	8.7	8.7	8.7	0	4.3	17.4
Akitio	27	11.1	7.4	7.4	3.7	11.1	29.6
Oamaru	80	1.3	1.3	2.5	0	1.3	11.2
Riverton	48	6.3	4.2	0	0	0	31.2
New Brighton	56	0	0	0	1.8	0	8.9
South Shore	78	0	0	0	5.1	0	20.5
Sumner	52	0	0	1.9	3.8	0	27.3
Kaikoura	36	2.8	2.8	11.1	2.8	2.8	33.3
Waitarere	79	2.5	0	1.3	2.5	0	22.7
Foxtan Beach	77	3.9	3.9	1.3	1.3	0	9.1
Castlecliff	81	0	2.5	1.2	2.5	2.5	25.9
Lyall Bay	45	0	0	2.2	6.7	0	6.7
Eastbourne	50	0	14.0	2.0	0	0	22.0
Seatoun	48	0	0	0	2.1	0	14.6
Raumati	167	0	0	1.2	1.2	0	13.2
Te Horo	40	0	2.5	2.5	0	0	20.0
Oakura	104	1.9	1.9	1.0	7.7	0	19.2
Milford	80	0	0	1.3	0	0	11.2
Sunny Hills	71	0	1.4	2.8	0	0	22.7
Sunnybrae	37	2.7	0	0	2.7	0	13.5
Tamaki	52	0	0	0	1.9	0	17.3
Torbay	78	0	0	1.3	0	0	17.9
St Clair	138	0	1.4	1.4	5.8	0	8.0
Visitors	n	Fire Brigade	Civil Defence	Search and Rescue	Surf Lifesaving	Rural fire patrol	Other
Langs Beach	13	0	0	0	0	0	0
Waipu Cove	71	0	0	0	21.1	0	2.8
Omaha	7	0	0	0	0	0	0
Whangamata	35	0	0	0	0	0	0
Waihi Beach	25	0	4.0	0	0	0	4.0
Cooks Beach	32	3.1	0	0	0	0	0
Whitianga	52	0	0	0	0	0	5.7
Papamoa	77	0	1.3	0	13.0	0	1.3
Mount Maunganui	75	0	1.3	0	1.3	0	2.6
Pukehina	31	6.5	6.5	0	6.5	0	6.5
Ohope	91	0	0	0	1.1	0	0
Wainui	4	0	0	0	0	0	0
Te Awanga	20	0	15.0	0	0	0	5.0
New Brighton	10	0	0	0	0	0	10.0
Kaikoura	10	0	0	0	0	0	10.0

**Table 45** Has the respondent's household done any of the following to prepare for a hazard or emergency?  
If the respondent is a visitor to this area, this table applies to their usual home.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
n	43	11	107	111	125	93	94	103	135	73	22	50	134	97	126
Working Flashlight	90.7	100	86.9	75.7	84.8	81.7	86.2	83.5	76.3	87.7	72.7	92.0	87.3	84.5	83.3
Protected breakable household items	9.3	9.1	5.6	6.3	12.0	8.6	4.3	11.7	12.6	15.1	18.2	26.0	21.6	16.5	19.8
Strong latches on cabinet doors	11.6	0	11.2	4.5	9.6	12.9	10.6	10.7	13.3	11.0	18.2	22.0	9.7	14.4	11.9
Stored hazardous materials safely	41.9	45.5	37.4	38.7	38.4	45.2	45.7	48.5	34.1	43.8	31.8	46.0	45.5	41.2	43.7
Added edges to shelves	0	0	1.9	0.9	0.8	2.2	1.1	6.8	3.7	4.1	4.5	4.0	4.5	2.1	6.3
Strapped water heater	23.3	36.4	19.6	22.5	15.2	25.8	22.3	17.5	21.5	24.7	27.3	46.0	32.1	22.7	36.5
Installed flexible tubing to gas appliances	14.0	9.1	8.4	8.1	5.6	15.1	9.6	6.8	9.6	5.5	0	12.0	10.4	12.4	11.9
Bolted house to foundation	37.2	27.3	29.9	26.1	24.0	32.3	20.2	16.5	21.5	27.4	22.7	40.0	23.9	23.7	16.7
Stockpiled water and food for 3 days	27.9	9.1	35.5	23.4	28.0	47.3	33.0	36.9	22.2	26.0	36.4	36.0	30.6	47.4	38.1
Working radio and spare batteries	51.2	45.5	46.7	59.5	50.4	48.4	67.0	54.4	49.6	53.4	68.2	58.0	55.2	59.8	58.7
Working fire extinguisher	55.8	72.7	61.7	47.7	39.2	62.4	54.3	37.9	42.2	42.5	50.0	58.0	48.5	45.4	44.4
Working smoke detector	65.1	100	65.4	64.0	68.8	55.9	77.7	79.6	74.1	75.3	77.3	82.0	69.4	76.3	77.0
First aid kit	81.4	81.8	82.2	74.8	72.0	84.9	84.0	69.9	74.1	76.7	68.2	80.0	78.4	77.3	77.8
Wrench near gas turn-off valve	16.3	0	4.7	6.3	3.2	9.7	4.3	2.9	3.0	4.1	0	4.0	6.0	4.1	4.0
Picked emergency contact person outside your area	18.6	18.2	15.9	19.8	12.8	17.2	9.6	18.4	7.4	23.3	13.6	18.0	16.4	15.5	16.7
Someone in family has learned how to put out fires	37.2	45.5	36.4	36.9	38.4	52.7	44.7	50.5	30.4	60.3	45.5	56.0	49.3	42.3	42.1
Bought additional insurance	51.2	54.5	54.2	41.4	40.0	47.3	38.3	38.8	30.4	52.1	45.5	56.0	46.3	52.6	40.5
Someone in family has learned how to provide first aid	62.8	54.5	60.7	44.1	47.2	63.4	60.6	63.1	47.4	65.8	50.0	72.0	60.4	62.9	53.2
Found out if your area is vulnerable to a disaster	18.6	9.1	16.8	26.1	28.8	21.5	29.8	30.1	26.7	41.1	27.3	40.0	41.8	39.2	38.1
Had home inspected for preparedness	0	9.1	1.9	0	0.8	1.1	0	0	0.7	0	4.5	0	0	2.1	2.4
If visitor, checked for emergency supplies	4.7	0	0.9	0.9	1.6	2.2	2.1	1.0	0	0	4.5	0	0.7	1.0	0
Talked to family about what to do if tsunami warning is heard	9.3	9.1	5.6	10.8	12.8	9.7	13.8	12.6	11.1	11.0	9.1	12.0	16.4	19.6	13.5

Locations key: 1 - Langa Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Maketu, 12 - Coastlands, 13 - Ohope, 14 - Wainui, 15 - Westshore, 16 - Haumoana, 17 - Te Awanga, 18 - Riversdale, 19 - Castlepoint, 20 - Akitio, 21 - Oamaru, 22 - Riverton, 23 - New Brighton, 24 - South Shore, 25 - Sumner, 26 - Kaikoura, 27 - Waitarere, 28 - Foxton Beach, 29 - Castlecliff, 30 - Lyall Bay, 31 - Eastbourne, 32 - Seatoun, 33 - Raumati, 34 - Te Horo, 35 - Oakura, 36 - Milford, 37 - Sunny Hills, 38 - Sunnybrae, 39 - Tamaki, 40 - Torbay and 41 - St Clair.

n	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Working Flashlight	77.6	84.2	82.4	73.9	92.6	83.8	89.6	78.6	79.5	82.7	88.9	87.3	88.3	77.8	93.3
Protected breakable household items	22.4	24.6	41.2	26.1	14.8	7.5	8.3	5.4	6.4	11.5	25.0	30.4	27.3	16.0	20.0
Strong latches on cabinet doors	14.3	17.5	29.4	21.7	22.2	11.3	4.2	10.4	1.3	5.8	27.8	19.0	26.0	9.9	8.9
Stored hazardous materials safely	46.9	54.4	47.1	43.5	59.3	45.0	33.3	42.9	34.6	34.6	55.6	57.0	57.1	50.6	51.1
Added edges to shelves	2.0	7.0	17.6	8.7	3.7	2.5	0	0	1.3	0	11.1	6.3	3.9	6.2	0
Strapped water heater	20.4	21.1	41.2	13.0	44.4	13.8	14.6	8.9	10.3	32.7	33.3	24.1	19.5	14.8	24.4
Installed flexible tubing to gas appliances	12.2	14.0	11.8	30.4	18.5	5.0	0	7.1	9.0	3.8	2.8	5.1	3.9	12.3	11.1
Bolted house to foundation	22.4	26.3	41.2	30.4	55.6	12.5	22.9	5.4	10.5	13.5	30.6	43.0	32.5	17.3	13.3
Stockpiled water and food for 3 days	18.4	33.3	52.9	60.9	70.4	30.0	16.7	23.2	24.4	21.2	44.4	59.5	55.8	40.7	46.7
Working radio and spare batteries	59.2	49.1	52.9	56.5	63.0	63.8	50.0	46.4	50.0	38.5	61.1	62.0	59.7	59.3	55.6
Working fire extinguisher	36.7	33.3	58.8	65.2	63.0	30.0	43.8	28.6	38.5	32.7	63.9	38.0	40.3	28.4	26.7
Working smoke detector	65.3	56.1	70.6	78.3	85.2	75.0	89.6	78.6	82.1	63.5	75.0	73.4	76.6	76.5	66.7
First aid kit	69.4	75.4	76.5	82.6	96.3	66.3	70.8	60.7	65.4	69.2	86.1	78.5	85.7	63.0	75.6
Wrench near gas turn-off valve	4.1	3.5	5.9	13.0	14.8	1.3	2.1	3.6	3.8	1.9	0	1.3	6.5	8.6	4.4
Picked emergency contact person outside your area	18.4	15.8	29.4	13.0	25.9	20.0	16.7	16.1	14.1	17.3	16.7	20.3	26.0	17.3	17.8
Someone in family has learned how to put out fires	51.0	43.9	47.1	65.2	77.8	40.0	56.3	37.5	33.3	28.8	61.1	53.2	53.2	54.3	46.7
Bought additional insurance	49.0	52.6	47.1	65.2	59.3	40.0	39.6	37.5	35.9	46.2	47.2	59.2	59.7	40.7	51.1
Someone in family has learned how to provide first aid	65.3	52.6	41.2	47.8	85.2	75.5	62.5	50.0	55.1	42.3	63.9	58.2	50.6	53.1	62.2
Found out if your area is vulnerable to a disaster	34.7	40.4	41.2	30.4	59.3	23.8	18.8	12.5	23.1	15.4	47.2	35.4	35.1	39.5	35.6
Had home inspected for preparedness	0	0	11.8	4.3	0	1.3	2.1	1.8	0	0	0	1.3	1.3	2.5	2.2
If visitor, checked for emergency supplies	0	1.8	11.8	0	18.5	0	0	0	0	0	2.8	5.1	1.3	2.5	0
Talked to family about what to do if tsunami warning is heard	18.4	19.3	41.2	26.1	48.1	22.5	8.3	14.3	9.0	13.5	19.4	15.2	7.8	14.8	17.8

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n	31	32	33	34	35	36	37	38	39	40	41
Working Flashlight	88.0	93.8	88.6	85.0	86.5	86.3	78.9	91.9	86.5	87.2	77.5
Protected breakable household items	26.0	37.5	28.7	17.5	16.3	5.0	7.0	5.4	9.6	7.7	9.4
Strong latches on cabinet doors	18.0	18.8	19.2	12.5	8.7	7.5	5.6	5.4	21.2	7.7	8.7
Stored hazardous materials safely	52.0	50.0	52.1	52.5	43.3	42.5	47.9	51.4	51.9	44.9	34.1
Added edges to shelves	2.0	2.1	3.0	10.0	3.8	0	1.4	0	1.9	0	2.2
Strapped water heater	32.0	35.4	33.5	15.0	26.9	16.3	11.3	2.7	17.3	19.2	18.8
Installed flexible tubing to gas appliances	14.0	16.7	8.4	2.5	13.5	16.3	2.8	5.4	9.6	20.5	9.4
Bolted house to foundation	10.0	18.8	25.1	32.5	35.6	17.5	14.1	2.7	23.1	21.8	10.1
Stockpiled water and food for 3 days	68.0	50.0	59.9	55.0	34.6	20.0	28.2	27.0	40.4	30.8	15.9
Working radio and spare batteries	76.0	60.4	68.3	57.5	52.9	58.8	52.1	56.8	53.8	61.5	52.9
Working fire extinguisher	46.0	39.6	45.5	42.5	48.1	46.3	52.1	37.8	38.5	50.0	27.5
Working smoke detector	82.0	72.9	80.2	52.5	76.9	76.3	78.9	67.6	78.8	78.2	82.6
First aid kit	84.0	79.2	78.4	55.0	71.2	73.8	85.9	89.2	69.2	74.4	70.3
Wrench near gas turn-off valve	0	2.1	5.4	5.0	5.8	6.3	2.8	8.1	9.6	3.8	2.9
Picked emergency contact person outside your area	18.0	27.1	22.2	25.0	13.5	16.3	9.9	21.6	17.3	10.3	10.9
Someone in family has learned how to put out fires	28.0	45.8	40.1	40.0	46.2	28.8	39.4	43.2	57.7	32.1	32.6
Bought additional insurance	48.0	41.7	41.9	37.5	52.9	51.3	50.7	56.8	32.7	44.9	39.9
Someone in family has learned how to provide first aid	54.0	66.7	58.7	57.5	60.6	45.0	56.3	56.8	55.8	48.7	56.5
Found out if your area is vulnerable to a disaster	40.0	43.8	37.7	35.0	29.8	17.5	15.5	16.2	19.2	21.8	16.7
Had home inspected for preparedness	2.0	0	2.4	2.5	1.0	0	1.4	2.7	0	1.3	0
If visitor, checked for emergency supplies	0	0	3.6	0	1.9	0	0	0	0	2.6	0
Talked to family about what to do if tsunami warning is heard	14.0	18.8	13.8	12.5	5.8	6.3	5.6	8.1	7.7	5.1	11.6

Locations key: 1 - Langa Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Maketu, 12 - Coastlands, 13 - Ohope, 14 - Wainui, 15 - Westshore, 16 - Haumoana, 17 - Te Awanga, 18 - Riversdale, 19 - Castlepoint, 20 - Akitio, 21 - Oamaru, 22 - Riverton, 23 - New Brighton, 24 - South Shore, 25 - Sumner, 26 - Kaikoura, 27 - Waitarere, 28 - Foxton Beach, 29 - Castlecliff, 30 - Lyall Bay, 31 - Eastbourne, 32 - Seatoun, 33 - Raumati, 34 - Te Horo, 35 - Oakura, 36 - Milford, 37 - Sunny Hills, 38 - Sunnybrae, 39 - Tamaki, 40 - Torbay and 41 - St Clair.

**Table 46** How often does the respondent check their emergency supplies like food, water and batteries? If the respondent is a visitor to this area, this table applies to their usual home.

	n	Weekly	Monthly	Yearly	Never
Langs Beach	40	7.5	12.5	27.5	52.5
Waipu Cove	11	0	18.2	45.5	36.4
Omaha	103	12.6	17.5	19.4	50.5
Whangamata	97	3.1	23.7	27.8	45.4
Waihi Beach	117	4.3	25.6	26.5	43.6
Cooks Beach	85	8.2	31.8	30.6	29.4
Whitianga	88	5.7	23.9	30.7	39.8
Papamoa	95	7.4	23.2	29.5	40.0
Mount Maunganui	121	6.6	11.6	32.3	49.6
Pukehina	64	6.3	23.4	32.8	37.5
Maketu	19	21.1	21.1	26.3	31.6
Coastlands	49	6.1	22.4	30.6	40.8
Ohope	118	4.2	21.2	34.7	39.8
Wainui	92	6.5	25.0	32.6	35.9
Westshore	115	3.5	31.3	26.1	39.1
Haumoana	44	6.8	11.4	31.8	50.0
Te Awanga	53	7.5	20.8	30.2	41.5
Riversdale	17	17.6	35.3	11.8	35.3
Castlepoint	21	9.5	14.3	57.1	19.0
Akitio	27	3.7	40.7	44.4	11.1
Oamaru	77	10.4	23.4	26.0	40.3
Riverton	45	8.9	17.8	22.2	51.1
New Brighton	54	7.4	14.8	20.4	57.4
South Shore	69	5.8	18.8	33.3	42.0
Sumner	48	2.1	6.3	29.2	62.5
Kaikoura	35	8.6	37.1	31.4	22.9
Waitarere	75	13.3	22.7	36.0	28.0
Foxton Beach	73	9.6	32.9	34.2	23.3
Castlecliff	73	8.2	24.7	21.9	45.2
Lyll Bay	42	7.1	21.4	35.7	35.7
Eastbourne	47.0	2.1	25.5	59.6	12.8
Seatoun	46	6.5	13.0	52.2	28.3
Raumati	159	1.3	24.5	45.9	28.3
Te Horo	38	7.9	42.1	18.4	31.6
Oakura	93	6.5	28.0	20.4	45.2
Milford	79	8.9	13.9	21.5	55.7
Sunny Hills	68	5.9	20.6	22.1	51.5
Sunnybrae	36	2.8	22.2	36.1	38.9
Tamaki	20	9.8	27.5	19.6	43.1
Torbay	74	8.1	23.0	23.0	45.9
St Clair	128	9.4	12.5	28.9	49.2

**Table 47** Thinking of the house in this area where this questionnaire was delivered to, which option does the respondent think best applies?

	n	I/we own and live in this house	I/we rent and live in this house	I/we own a house somewhere else, and are visiting	I/we rent a house somewhere else and are visiting	Other
Langs Beach	41	53.7	7.3	9.8	0	29.3
Waipu Cove	10	60.0	20.0	10.0	0	10.0
Omaha	105	69.5	15.2	1.0	1.0	13.3
Whangamata	109	69.7	4.6	12.8	2.8	10.1
Waihi Beach	122	57.4	7.4	20.5	0.8	13.9
Cooks Beach	90	54.4	5.6	25.6	1.1	13.3
Whitianga	93	73.1	11.8	6.5	0	8.7
Papamoa	101	72.3	25.7	0	0	2.0
Mount Maunganui	132	78.8	12.1	5.3	0.8	3.0
Pukehina	72	84.7	4.2	5.6	1.4	4.2
Maketu	21	90.5	0	0	0	9.5
Coastlands	49	85.7	14.3	0	0	0
Ohope	132	75.8	15.9	3.8	0.8	4.9
Wainui	97	86.6	5.2	1.0	1.0	5.1
Westshore	126	78.6	15.9	0.8	0	2.4
Haumoana	49	85.7	14.3	0	0	0
Te Awanga	56	85.7	10.7	1.8	0	1.8
Riversdale	17	76.5	5.9	0	0	17.7
Castlepoint	23	39.1	8.7	26.1	4.3	21.6
Akitio	27	44.4	3.7	40.7	0	11.1
Oamaru	78	79.5	20.5	0	0	0
Riverton	47	78.7	8.5	8.5	0	4.3
New Brighton	56	73.2	25.0	0	0	1.8
South Shore	78	88.5	6.4	0	0	5.1
Sumner	52	80.8	17.3	0	0	1.9
Kaikoura	36	80.6	16.7	2.8	0	0
Waitarere	79	67.1	7.6	8.9	0	16.5
Foxton Beach	77	74.0	15.6	5.2	0	5.2
Castlecliff	81	87.7	12.3	0	0	0
Lyall Bay	45	73.3	24.4	0	0	2.2
Eastbourne	48	95.8	2.1	0	0	2.1
Seatoun	48	79.2	20.8	0	0	0
Raumati	162	78.4	10.5	3.7	.6	6.7
Te Horo	38	73.7	13.2	2.6	0	10.5
Oakura	102	89.2	6.9	1.0	0	3.0
Milford	78	92.3	6.4	0	0	1.3
Sunny Hills	70	97.1	2.9	0	0	0
Sunnybrae	37	86.5	13.5	0	0	0
Tamaki	52	73.1	26.9	0	0	0
Torbay	78	96.2	2.6	0	0	1.3
St Clair	138	89.1	8.0	1.4	0	0

**Table 48** For the respondent's usual place of residence do they have:

	n	Home Insurance			Contents Insurance		
		Yes	No	Don't know	Yes	No	Don't know
Langs Beach	43	86.0	0	0	81.4	2.3	0
Waipu Cove	11	90.9	0	0	100	0	0
Omaha	107	95.3	0.9	0	93.5	0.9	0
Whangamata	111	85.6	6.3	0	83.8	3.6	0
Waihi Beach	125	85.6	5.6	0	87.2	4.0	0
Cooks Beach	93	95.7	2.2	0	93.5	2.2	0
Whitianga	94	84.0	4.3	0	78.7	5.3	0
Papamoa	103	67.0	13.6	0	73.8	7.8	0
Mount Maunganui	135	80.7	3.0	0.7	83.0	3.7	0
Pukehina	73	89.0	2.7	1.4	87.7	2.7	1.4
Maketu	22	86.4	0	0	86.4	0	0
Coastlands	50	82.0	6.0	0	88.0	0	0
Ohope	134	75.4	6.0	0	79.1	4.5	0
Wainui	97	90.7	0	0	88.7	3.1	0
Westshore	126	73.0	3.2	0	76.2	3.2	0
Haumoana	49	77.6	2.0	2.0	85.7	2.0	0
Te Awanga	49-51	100.0	0	0	94.1	3.9	2.0
Riversdale	17	94.1	0	5.9	100	0	0
Castlepoint	23	91.3	0	0	91.3	0	0
Akitio	27	92.6	0	0	85.2	3.7	0
Oamaru	80	80.0	5.0	0	86.3	6.3	0
Riverton	48	89.6	6.3	0	89.6	6.3	0
New Brighton	56	73.2	8.9	0	71.4	14.3	1.8
South Shore	78	79.5	5.1	0	79.5	5.1	0
Sumner	52	78.8	5.8	0	76.9	7.7	0
Kaikoura	38	86.1	5.6	0	80.6	11.1	0
Waitarere	79	89.9	3.8	0	88.6	5.1	0
Foxton Beach	77	80.5	5.2	0	80.5	5.2	0
Castlecliff	81	79.0	7.4	1.2	74.1	12.3	1.2
Lyll Bay	45	75.6	7.9	0	68.9	15.6	2.2
Eastbourne	50	88.0	2.0	0	84.0	0	0
Seatoun	48	81.3	6.3	0	87.5	2.1	0
Raumati	167	82.6	3.6	0.6	82.6	3.6	0
Te Horo	40	80.0	5.0	0	70.0	15.0	0
Oakura	104	84.6	1.9	0	85.6	1.9	0
Milford	80	87.5	1.3	0	87.5	1.3	1.3
Sunny Hills	71	90.1	1.4	1.4	91.5	0	1.4
Sunnybrae	37	78.4	10.8	0	83.8	8.1	0
Tamaki	52	69.2	15.4	1.9	76.9	14.6	2.1
Torbay	78	93.6	0	0	91.0	1.3	0
St Clair	138	83.3	2.9	0	82.6	2.9	0
Visitors		Home Insurance			Contents Insurance		
	n	Yes	No	Don't know	Yes	No	Don't know
Langs Beach	13	92.3	7.7	0	92.3	7.7	0
Waipu Cove	70	90.0	7.1	2.9	92.9	4.3	2.9
Omaha	7	100.0	0	0	100.0	0	0
Whangamata	34-33	94.1	2.9	2.9	97.0	3.0	0
Waihi Beach	24-25	87.5	12.5	0	80.0	20.0	0
Cooks Beach	30	100.0	0	0	96.7	0	3.7
Whitianga	51	90.2	9.8	0	92.2	7.8	0
Papamoa	75-76	97.3	2.7	0	97.4	2.6	0
Mount Maunganui	71-73	93.0	5.6	1.4	95.9	2.7	1.4
Pukehina	31	83.9	9.7	6.5	87.1	6.5	6.5
Ohope	89-90	95.5	3.4	1.1	95.6	2.2	2.2
Wainui	4	100.0	0	0	100.0	0	0
Te Awanga	18-19	88.9	11.1	0	89.5	10.5	0
New Brighton	9-10	77.8	11.1	11.1	90.0	0	10.0
Kaikoura	9	88.9	11.1	0	77.8	22.2	0



**Table 49** Would the respondent be willing to pay via their rates for new dune care and planting, including the replacement of current hard defences, to improve the natural character of the coast and mitigate against coastal hazards in this community?

(%)	n	Yes	No
Langs Beach	39	61.5	38.5
Waipu Cove	11	63.6	36.4
Omaha	102	57.8	42.2
Whangamata	102	55.9	44.1
Waihi Beach	114	51.8	48.2
Cooks Beach	86	43.0	57.0
Whitianga	87	46.0	54.0
Papamoa	95	63.2	36.8
Mount Maunganui	116	75.0	25.0
Pukehina	65	66.2	33.8
Maketu	21	71.4	28.6
Coastlands	48	64.6	35.4
Ohope	124	62.1	37.9
Akitio	25	56.0	44.0
New Brighton	56	58.9	33.9
South Shore	78	71.8	23.1
Sumner	52	48.1	40.4
Waitarere	70	62.9	31.7
Foxton Beach	70	60.0	35.4
Castlecliff	74	55.4	32.6
Raumati	160	59.4	40.0
Te Horo	37	56.8	43.2
St Clair	126	74.6	25.4

**Table 50** Of those answering 'yes' in the previous table, would the respondent prefer to pay a one-off sum or an annual sum?

(%)	n	One-off	annual
Langs Beach	25	16.0	84.0
Waipu Cove	7	0	100
Omaha	63	6.3	93.7
Whangamata	60	13.3	86.7
Waihi Beach	66	10.6	89.4
Cooks Beach	42	14.3	85.7
Whitianga	41	14.6	85.4
Papamoa	60	18.3	81.7
Mount Maunganui	87	9.2	90.8
Pukehina	44	15.9	84.1
Maketu	15	13.3	86.7
Coastlands	32	6.3	93.8
Ohope	82	12.2	87.8
Akitio	15	13.3	86.7
New Brighton	33	6.1	93.9
South Shore	54	3.7	96.3
Sumner	28	10.7	89.3
Waitarere	46	8.7	91.3
Foxton Beach	44	0	100
Castlecliff	41	12.2	87.8
Raumati	99	3.0	97.0
Te Horo	21	4.8	95.2
St Clair	95	6.3	93.7

**Table 51** Of those answering 'yes' in Table 49, the largest payment the respondent would be willing to make on the basis stipulated in the Table 50.

(%) Locality	1	2	3	4	5	6	7	8	9	10	11	12	13	20
N	24	7	60	60	68	40	44	61	88	44	15	34	80	14
Less than \$5	0	0	0.9	1.7	2.9	2.5	6.8	8.2	2.3	0	6.7	8.8	0	0
\$5	2.3	0	0	3.3	0	0	2.3	13.1	4.5	9.1	0	0	2.5	0
\$10	0	0	5.0	10.0	2.9	2.5	9.1	6.6	6.8	6.8	6.7	11.8	5.0	7.1
\$20	0	0	10.0	21.7	19.1	12.5	13.6	26.2	10.2	15.9	20.0	20.6	12.5	0
\$50	14.0	9.1	31.7	21.7	26.5	22.5	20.5	26.2	37.5	15.9	33.3	32.4	30.0	28.6
\$100	23.3	18.2	33.3	28.3	23.5	42.5	25.0	14.8	28.4	34.1	20.0	20.6	35.0	28.6
\$250	9.3	36.4	13.3	8.3	5.9	5.0	13.6	4.9	6.8	9.1	6.7	5.9	8.8	14.3
\$500	2.3	0	5.0	5.0	5.9	10.0	4.5	0	1.1	6.8	6.7	0	2.5	14.3
\$1,000	4.7	0	0	0	8.8	0	4.5	0	2.3	2.3	0	0	3.8	14.3
\$10,000	0	0	0	0	1.5	2.5	0	0	0	0	0	0	0	0
Or more	0	0	0	0	2.9	0	0	0	0	0	0	0	0	0

(%) Locality	23	24	25	27	28	29	33	34	41	LOCALITY KEY: 1 - Langa Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Maketu, 12 - Coastlands, 13 - Ohope, 20 - Akitio, 23 - New Brighton, 24 - South Shore, 25 - Sumner, 27 - Waitarere, 28 - Foxton Beach, 29 - Castlecliff, 33 - Raumati, 34 - Te Horo and 41 - St Clair.
n	35	50	32	43	40	41	93	18	94	
Less than \$5	5.7	6.0	12.5	7.0	0	12.2	0	5.6	2.1	
\$5	2.9	2.0	3.1	4.7	12.5	7.3	3.2	0	4.3	
\$10	22.9	0	0	9.3	7.5	7.3	5.4	0	6.4	
\$20	14.3	12.0	9.4	20.9	35.0	17.1	10.8	22.2	14.9	
\$50	31.4	18.0	25.0	32.6	27.5	39.0	24.7	16.7	26.6	
\$100	17.1	44.0	25.0	14.0	15.0	9.8	29.0	33.3	38.3	
\$250	2.9	10.0	9.4	7.0	2.5	4.9	14.0	16.7	4.3	
\$500	2.9	4.0	12.5	2.3	0	2.4	5.4	5.6	2.1	
\$1,000	0	4.0	0	2.3	0	0	7.5	0	0	
\$10,000	0	0	3.1	0	0	0	0	0	0	
Or more	0	0	0	0	0	0	0	0	1.1	

**Table 52** Would the respondent be willing to pay via their rates for reducing beach erosion through sand nourishment and removing storm water flows, and addressing erosion of cliffs along reserves through planting cliff faces, improving drainage and moving walkways back from cliff edges?

(%)	n	Yes	No
Milford	78	69.2	30.8
Sunny Hills	70	58.6	41.4
Sunnybrae	37	70.3	29.7
Tamaki	50	52.0	48.0
Torbay	75	61.3	38.7

**Table 53** Of those answering 'yes' in the previous table, would the respondent prefer to pay a one-off sum or an annual sum?

(%)	n	One-off	annual
Milford	53	9.4	90.6
Sunny Hills	41	17.1	82.9
Sunnybrae	26	3.8	96.2
Tamaki	26	3.8	96.2
Torbay	46	13.0	87.0

**Table 54** Of those answering 'yes' in Table 52, the largest payment the respondent would be willing to make on the basis stipulated in Table 53.

(%)	Milford	Sunny Hills	Sunnybrae	Tamaki	Torbay
n	52	41	25	27	48
Less than \$5	1.9	4.9	4.0	7.4	8.3
\$5	1.9	0	4.0	0	4.2
\$10	5.8	7.3	8.0	3.7	6.3
\$20	17.3	19.5	20.0	22.2	18.8
\$50	25.0	29.3	48.0	29.6	18.8
\$100	34.6	26.8	12.0	14.8	29.2
\$250	7.7	7.3	4.0	14.8	10.4
\$500	3.8	4.9	0	3.7	2.1
\$1,000	0	0	0	3.7	2.1
\$10,000	1.9	0	0	0	0
Or more	0	0	0	0	0

**Table 55** If the respondent is a rate payer, would they be willing to pay via their rates to mitigate against coastal hazards in their area? (These communities were not surveyed in detail for the data presented in Tables 49 through 54)

(%)	n	Yes	Not Sure	No	Not a rate-payer
Wainui	92	41.3	25.0	31.5	2.2
Westshore	113	36.3	31.0	24.8	8.0
Haumoana	46	50.0	32.6	8.7	8.7
Te Awanga	51	35.3	31.4	29.4	3.9
Riversdale	16	37.5	43.8	12.5	6.3
Castlepoint	20	25.0	55.0	10.0	10.0
Oamaru	73	15.1	43.8	30.1	11.0
Riverton	46	23.9	54.3	13.0	8.7
Kaikoura	33	24.2	39.4	30.3	6.1
Lyll Bay	41	39.0	0	7.3	22.0
Eastbourne	48	45.8	0	14.6	4.2
Seatoun	46	54.3	0	4.3	8.7
Oakura	100	39.0	34.0	21.0	6.0

## 8.0 DEMOGRAPHIC INFORMATION

**Table 56** Gender of the respondent

	n	Male	Female
Langs Beach	39	46.2	53.8
Waipu Cove	11	54.5	45.5
Omaha	101	65.3	34.7
Whangamata	106	48.1	51.9
Waihi Beach	119	57.1	42.9
Cooks Beach	88	58.0	42.0
Whitianga	92	57.6	42.4
Papamoā	98	40.8	59.2
Mount Maunganui	126	49.2	50.8
Pukehina	70	51.4	48.6
Maketu	22	59.1	40.9
Coastlands	50	60.0	40.0
Ohope	127	54.3	45.7
Wainui	96	63.5	36.5
Westshore	125	60.0	40.0
Haumoana	49	40.8	59.2
Te Awanga	56	57.1	42.9
Riversdale	17	58.8	41.2
Castlepoint	22	50.0	50.0
Akitio	25	52.0	48.0
Oamaru	80	40.0	60.0
Riverton	48	60.4	39.6
New Brighton	54	42.6	57.4
South Shore	74	63.5	36.5
Sumner	47	53.2	46.8
Kaikoura	36	72.2	27.8
Waitarere	67	55.2	44.8
Foxton Beach	67	55.2	44.8
Castlecliff	74	44.6	55.4
Lyll Bay	44	31.8	68.2
Eastbourne	49	40.8	59.2
Seatoun	46	43.5	56.5
Raumati	155	47.7	52.3
Te Horo	38	50.0	50.0
Oakura	103	55.3	44.7
Milford	79	63.3	36.7
Sunny Hills	71	64.8	35.2
Sunnybrae	37	48.6	51.4
Tamaki	51	49.0	51.0
Torbay	76	52.6	47.4
St Clair	127	51.2	48.8
Visitors	n	Male	Female
Langs Beach	13	38.5	61.5
Waipu Cove	70	54.3	45.7
Omaha	7	42.9	57.1
Whangamata	35	42.9	57.1
Waihi Beach	25	52.0	48.0
Cooks Beach	31	54.8	45.2
Whitianga	52	44.2	55.8
Papamoā	77	57.1	42.9
Mount Maunganui	75	54.7	45.3
Pukehina	31	67.7	32.3
Ohope	91	57.1	42.9
Wainui	4	50.0	50.0
Te Awanga	20	45.0	55.0
New Brighton	10	20.0	80.0
Kaikoura	10	60.0	40.0

**Table 57** Which best describes the situation the respondent is living in now?

	n	Family with Children	Family without Children	Alone	With Non-Family	Other
Langs Beach	40	55.0	37.5	7.5	0	0
Waipu Cove	11	54.5	36.4	0	9.1	0
Omaha	102	45.1	45.1	9.8	0	0
Whangamata	106	34.3	42.3	17.0	4.7	1.8
Waihi Beach	119	38.7	35.3	20.2	4.2	1.6
Cooks Beach	88	59.1	33.0	5.7	1.1	1.1
Whitianga	92	31.5	44.6	19.6	2.2	2.2
Papamoa	98	34.7	42.9	13.3	7.1	2.0
Mount Maunganui	126	23.8	50.8	20.6	4.0	0.8
Pukehina	69	37.1	40.0	21.4	0	0
Maketu	22	13.6	40.9	36.4	9.1	0
Coastlands	50	48.0	34.0	12.0	6.0	0
Ohope	127	35.4	40.8	13.4	7.9	2.4
Wainui	97	45.4	25.8	24.7	2.1	1.0
Westshore	126	27.8	34.1	30.2	4.8	3.2
Haumoana	49	38.8	30.6	12.2	12.2	6.1
Te Awanga	54	38.9	33.3	20.4	5.6	1.9
Riversdale	17	41.2	52.9	5.9	0	0
Castlepoint	23	47.8	30.4	4.3	0	17.4
Akitio	27	59.3	33.3	3.7	0	3.7
Oamaru	80	26.3	28.8	33.8	2.5	11.3
Riverton	47	23.4	59.6	14.9	0	2.1
New Brighton	56	42.9	30.4	17.9	0	9.0
South Shore	78	41.0	33.3	14.1	5.1	6.4
Sumner	52	28.8	26.9	25.0	7.7	11.5
Kaikoura	36	27.8	50.0	16.7	2.8	2.8
Waitarere	79	25.3	39.2	16.5	2.5	16.5
Foxton Beach	77	22.1	37.7	22.1	5.2	13.0
Castlecliff	81	25.9	32.1	27.2	0	14.8
Lyll Bay	45	40.0	15.6	26.7	6.7	11.0
Eastbourne	49	28.6	30.6	34.7	6.1	0
Seatoun	46	56.5	26.1	8.7	6.5	2.1
Raumati	156	37.2	38.5	16.7	38.5	3.7
Te Horo	38	39.5	15.8	26.3	13.2	5.2
Oakura	103	45.6	37.9	12.6	2.9	1.0
Milford	78	41.0	42.3	12.8	1.3	2.6
Sunny Hills	71	60.6	29.6	7.0	0	2.8
Sunnybrae	37	40.5	24.3	24.3	5.4	5.4
Tamaki	50	36.0	28.0	26.0	4.0	6.0
Torbay	75	38.7	44.0	12.0	2.7	2.7
St Clair	126	45.2	32.5	19.0	4.0	4.0
Visitors	n	Family with Children	Family without Children	Alone	With Non-Family	Other
Langs Beach	12	92.3	0	7.7	0	0
Waipu Cove	71	68.6	21.4	7.1	2.9	0
Omaha	7	71.4	28.6	0	0	0
Whangamata	33	75.8	21.2	0	0	3.0
Waihi Beach	25	52.0	40.0	8.0	0	0
Cooks Beach	31	74.2	12.9	9.7	3.2	0
Whitianga	52	55.8	26.9	11.5	1.9	3.8
Papamoa	77	71.4	23.4	2.6	1.3	1.3
Mount Maunganui	74	70.3	20.3	0	8.1	1.3
Pukehina	31	54.8	32.3	6.5	3.2	3.2
Ohope	90	83.3	10.0	2.2	3.3	1.1
Wainui	4	75.0	25.0	0	0	0
Te Awanga	20	45.0	40.0	15.0	0	0
New Brighton	10	40.0	40.0	0	10.0	10.0
Kaikoura	9	11.1	66.7	11.1	11.1	0

**Table 58** To which ethnic group does the respondent belong?

	n	NZ European	Maori	Pacific Islander	Chinese	Indian	Other
Langs Beach	40	95.0	2.5	0	2.5	0	0
Waipu Cove	11	90.9	9.1	0	0	0	0
Omaha	98	93.9	4.1	0	0	0	2.0
Whangamata	104	92.3	3.8	0	0	1.0	3.0
Waihi Beach	117	95.7	2.6	0	0	0	1.7
Cooks Beach	88	97.8	0	0	0	0	2.2
Whitianga	92	87.0	6.5	0	0	0	6.6
Papamoa	96	88.5	2.1	0	0	0	9.3
Mount Maunganui	126	96.0	0	0	0	0	4.0
Pukehina	68	75.0	14.7	1.5	0	0	8.8
Maketu	22	68.2	27.3	0	0	0	4.5
Coastlands	50	86.0	6.0	0	0	2.0	6.0
Ohope	124	97.6	0.8	0	0	0	1.6
Wainui	97	89.7	2.1	1.0	0	0	3.1
Westshore	126	87.3	5.6	0.8	0	0.8	5.6
Haumoana	49	87.8	8.2	0	0	0	4.0
Te Awanga	55	83.6	7.3	1.8	0	0	7.3
Riversdale	17	100	0	0	0	0	0
Castlepoint	23	91.3	0	0	0	0	8.6
Akitio	27	92.6	3.7	0	0	0	3.7
Oamaru	80	96.3	1.3	0	0	0	2.6
Riverton	47	95.7	2.1	0	0	0	2.1
New Brighton	56	83.9	8.9	1.8	0	0	5.4
South Shore	78	85.9	5.1	1.3	0	0	7.7
Sumner	52	78.8	3.8	0	0	0	17.2
Kaikoura	36	86.1	8.3	0	0	0	5.6
Waitare	79	77.2	3.8	1.3	0	0	17.8
Foxton Beach	77	77.9	6.5	0	0	0	15.6
Castlecliff	81	79.0	8.6	0	0	0	11.1
Lyllall Bay	45	86.7	6.7	0	0	0	6.6
Eastbourne	49	98.0	0	2.0	0	0	0
Seatoun	47	91.5	0	0	0	0	8.5
Raumati	155	90.3	4.5	0	0	0	4.9
Te Horo	37	94.6	2.7	0	2.7	0	0
Oakura	103	95.1	0	1.0	0	0	4.0
Milford	78	93.6	5.1	0	0	0	1.3
Sunny Hills	71	87.3	0	0	0	4.2	8.5
Sunnybrae	37	86.5	0	0	0	0	10.8
Tamaki	50	86.0	8.0	6.0	0	0	0
Torbay	78	82.1	2.6	0	0	3.8	11.5
St Clair	127	94.5	3.2	0	0	0	2.4
Visitors	n	NZ European	Maori	Pacific Islander	Chinese	Indian	Other
Langs Beach	13	84.6	0	15.4	0	0	0
Waipu Cove	70	92.9	5.7	1.4	0	0	0
Omaha	7	100.0	0	0	0	0	0
Whangamata	35	91.4	2.9	0	2.9	0	2.9
Waihi Beach	25	96.0	0	0	0	0	4.0
Cooks Beach	31	90.3	0	0	0	0	9.7
Whitianga	52	92.3	1.9	0	0	0	5.7
Papamoa	76	90.8	6.6	1.3	0	0	1.3
Mount Maunganui	74	90.5	5.4	0	0	0	4.1
Pukehina	30	93.3	3.3	3.3	0	0	0
Ohope	89	89.9	6.7	0	0	0	3.3
Wainui	4	25.0	50.0	0	0	0	25.0
Te Awanga	20	95.0	0	0	0	0	5.0
New Brighton	10	100.0	0	0	0	0	0
Kaikoura	10	30.0	0	0	0	0	70.0

**Table 59** How old was the respondent on their last birthday?

	n	0-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
Langs Beach	43	2.3	0	0	7.0	18.6	27.9	25.6	2.3	0	0
Waipu Cove	11	0	0	9.1	0	18.2	54.6	9.1	0	0	0
Omaha	107	0	0	0.9	4.7	25.2	29.9	19.6	5.6	1.9	0
Whangamata	111	0	0.9	3.6	4.5	12.6	21.6	22.5	20.7	3.6	0
Waihi Beach	125	0	0	3.2	8.0	17.6	18.4	16.0	14.4	4.8	0
Cooks Beach	81	0	0	1.2	11.1	24.7	42.0	13.4	4.9	2.7	0
Whitianga	90	0	0	5.6	8.9	23.3	17.8	26.7	14.4	3.3	0
Papamoa	95	0	0	17.9	13.7	21.1	16.8	16.8	12.6	1.1	0
Mount Maunganui	116	0	0.9	5.2	8.6	19.0	18.1	28.4	16.4	2.6	0.9
Pukehina	63	0	1.6	7.9	17.5	25.4	22.2	19.0	6.3	0	0
Maketu	22	0	0	0	18.2	9.1	31.2	13.6	27.3	0	0
Coastlands	45	0	2.2	11.1	28.9	28.9	17.8	13.3	2.2	0	0
Ohope	124	1.6	0.8	8.1	13.7	20.2	24.2	18.5	11.3	1.6	0
Wainui	92	0	0	2.2	12.0	34.8	21.7	10.9	13.0	5.4	0
Westshore	115	0	0	3.5	12.2	23.5	13.0	20.0	19.1	8.7	0
Haumoana	48	0	0	4.2	10.4	39.6	16.7	18.8	4.2	6.3	0
Te Awanga	52	0	0	3.8	15.4	30.8	26.9	17.3	3.8	1.9	0
Riversdale	16	0	0	0	12.5	25.0	25.0	25.0	12.5	0	0
Castlepoint	20	0	0	0	15.0	45.0	5.0	25.0	5.0	5.0	0
Akitio	25	0	0	0	8.0	18.0	44.0	20.0	0	0	0
Oamaru	74	0	0	4.1	18.9	17.6	23.0	27.0	5.4	4.1	0
Riverton	45	0	0	6.7	8.9	13.3	33.3	22.4	11.1	2.2	0
New Brighton	49	0	0	16.3	22.5	26.5	22.5	6.1	4.1	2.0	0
South Shore	69	0	2.9	5.8	20.3	26.1	21.7	14.5	7.3	1.4	0
Sumner	43	0	2.3	14.0	23.2	18.6	14.0	18.6	7.0	2.3	0
Kaikoura	33	0	0	6.1	12.1	12.1	21.2	18.2	30.3	0	0
Waitarere	62	0	3.2	6.5	9.7	14.5	30.6	11.3	15.6	1.6	0
Foxton Beach	58	0	0	6.9	19.0	12.0	25.9	29.3	6.9	0	0
Castlecliff	67	0	1.5	4.5	19.4	17.9	14.9	26.9	10.4	4.5	0
Lyll Bay	42	0	0	19.0	11.9	33.3	21.4	7.1	4.8	2.4	0
Eastbourne	47	0	0	4.3	12.8	34.0	12.8	6.4	23.4	4.3	2.1
Seatoun	42	0	2.4	4.8	33.3	33.3	4.8	9.5	7.1	4.8	0
Raumati	147	0	0	5.4	11.6	25.2	25.1	16.4	10.9	15.4	0
Te Horo	34	0	0	0	14.7	32.4	32.4	14.6	5.9	0	0
Oakura	96	1.0	1.0	4.2	18.8	29.2	24.0	11.5	10.4	1.0	0
Milford	76	0	2.6	1.3	9.2	11.8	35.5	25.0	9.2	2.6	0
Sunny Hills	70	0	1.4	2.9	12.9	30.0	25.7	14.3	11.4	0	1.4
Sunnybrae	34	0	0	11.8	17.6	2.9	23.5	26.5	5.8	11.8	0
Tamaki	44	0	0	6.8	20.5	20.5	20.5	6.8	20.5	4.5	0
Torbay	69	1.4	1.4	4.3	5.8	24.6	24.6	18.8	15.9	2.9	0
St Clair	121	0	2.5	6.6	14.9	23.1	19.0	16.4	13.2	3.3	0
Visitors	n	0-10	-20	-30	-40	-50	-60	-70	-80	-90	-100
Langs Beach	13	0	7.7	7.7	30.8	23.1	23.1	7.7	0	0	0
Waipu Cove	64	0	9.4	6.3	12.5	28.1	28.1	3.1	10.9	1.6	0
Omaha	7	0	0	0	71.4	14.3	14.3	0	0	0	0
Whangamata	35	0	20.0	2.9	25.7	28.6	5.8	14.3	0	2.9	0
Waihi Beach	20	0	10.0	5.0	25.0	10.0	5.0	15.0	25.0	5.0	0
Cooks Beach	30	0	0	13.3	16.7	43.3	13.3	6.7	6.7	0	0
Whitianga	49	0	4.1	4.1	30.6	30.6	14.3	8.2	8.2	0	0
Papamoa	73	2.7	5.5	4.1	26.0	31.5	16.4	8.2	4.1	1.4	0
Mount Maunganui	72	1.4	6.9	9.7	18.1	31.9	18.1	12.5	1.4	0	0
Pukehina	27	0	11.1	0	11.1	33.3	25.9	7.4	7.4	3.7	0
Ohope	85	2.4	12.9	3.5	20.0	43.5	8.2	8.2	1.2	0	0
Wainui	4	0	25.0	0	0	50.0	25.0	0	0	0	0
Te Awanga	19	0	0	0	15.8	21.1	31.6	31.6	0	0	0
New Brighton	8	0	0	25.0	12.5	12.5	37.5	0	12.5	0	0
Kaikoura	8	0	37.5	25.0	12.5	0	12.5	12.5	0	0	0

**Table 60** What is the respondent's current employment status?

	n	Employed Full-time	Employed Part-time	Not in paid Employment	Self-employed
Langs Beach	39	38.5	7.7	25.6	28.2
Waipu Cove	11	54.5	9.1	18.2	18.2
Omaha	100	34.0	14.0	29.0	23.0
Whangamata	99	19.2	13.1	46.5	21.2
Waihi Beach	115	24.3	14.8	33.0	27.0
Cooks Beach	84	33.3	9.5	26.2	31.0
Whitianga	88	33.0	10.2	37.5	19.3
Papamoa	98	33.7	15.3	36.7	14.3
Mount Maunganui	118	22.0	14.4	47.5	16.1
Pukehina	67	43.3	9.0	25.4	22.4
Maketu	22	45.5	0	31.8	22.7
Coastlands	50	58.0	20.0	12.0	10.0
Ohope	125	35.2	8.8	31.2	24.0
Wainui	93	40.9	12.9	20.4	25.8
Westshore	119	35.3	13.4	38.7	12.6
Haumoana	48	39.6	25.0	27.1	8.3
Te Awanga	52	36.5	11.5	25.0	26.9
Riversdale	17	23.5	11.8	17.6	47.1
Castlepoint	21	42.9	19.0	33.3	4.8
Akitio	26	42.3	11.5	11.5	34.6
Oamaru	77	33.8	20.8	42.9	2.6
Riverton	46	32.6	19.6	32.6	15.2
New Brighton	50	34.0	24.0	34.0	8.0
South Shore	74	47.3	13.5	24.3	14.9
Sumner	46	39.1	2.2	26.1	32.6
Kaikoura	36	27.8	8.3	41.7	22.2
Waitarere	65	27.7	12.3	47.7	12.3
Foxton Beach	66	36.3	10.6	43.9	9.1
Castlecliff	68	25.0	25.0	39.7	10.3
Lyll Bay	44	47.7	15.9	22.7	13.6
Eastbourne	49	36.7	10.2	36.7	16.3
Seatoun	43	39.5	11.6	41.9	7.0
Raumati	154	29.2	11.7	39.6	19.5
Te Horo	37	27.0	18.9	24.3	29.7
Oakura	97	39.2	11.3	21.6	27.8
Milford	75	29.3	12.0	30.7	28.0
Sunny Hills	70	34.3	12.9	27.1	25.7
Sunnybrae	35	45.7	17.1	31.4	5.7
Tamaki	48	37.5	10.4	39.6	12.5
Torbay	75	24.0	16.0	37.3	22.7
St Clair	122	43.4	13.9	29.5	13.1
Visitors	n	Employed Full-time	Employed Part-time	Not in paid Employment	Self-employed
Langs Beach	13	46.2	15.4	15.4	23.1
Waipu Cove	69	42.0	20.3	15.9	21.7
Omaha	7	28.6	42.9	14.3	14.3
Whangamata	35	28.6	31.4	22.9	17.1
Waihi Beach	20	25.0	5.0	60.0	10.0
Cooks Beach	31	51.6	6.5	19.4	22.6
Whitianga	52	42.3	17.3	23.1	17.3
Papamoa	76	46.1	18.4	10.5	25.0
Mount Maunganui	73	41.1	13.7	16.4	28.8
Pukehina	29	37.9	24.1	17.2	20.7
Ohope	89	43.8	19.1	21.3	15.7
Wainui	3	33.3	0	0	66.7
Te Awanga	20	30.0	20.0	30.0	20.0
New Brighton	10	40.0	10.0	30.0	20.0
Kaikoura	10	30.0	0	50.0	20.0



**Table 61** What is the respondent's household's gross annual income?

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
n	36	10	84	96	105	74	82	89	106	63	22	48	124	91	111
Under \$5,000	0	0	1.2	0	1.0	1.1	1.2	1.1	0	1.6	0	0	0	0	0
\$5,000-15,000	0	0	8.3	12.5	6.7	8.1	15.9	9.0	6.6	7.9	22.7	0	4.8	1.1	10.8
\$15,001-20,000	0	0	2.4	9.4	12.4	6.8	7.3	11.2	7.5	11.1	4.5	4.2	4.8	6.6	6.3
\$20,001-30,000	7.0	0	6.0	10.4	15.2	6.8	20.7	22.5	12.3	7.9	9.1	8.3	9.7	8.8	10.8
\$30,001-40,000	7.0	0	6.0	9.4	8.6	12.2	9.8	12.4	12.3	11.1	18.2	14.6	8.9	9.9	11.7
\$40,001-50,000	4.3	10.0	4.8	10.4	8.6	8.1	19.5	12.4	9.4	17.5	0	10.4	6.5	7.7	14.4
\$50,001-60,000	7.0	10.0	9.5	6.3	11.4	8.1	6.1	9.0	3.8	6.3	4.5	8.3	10.5	13.2	8.1
\$60,001-90,000	16.3	40.0	15.5	18.8	9.5	10.8	11.0	11.2	11.3	15.9	31.8	35.4	21.0	20.9	21.6
\$90,001-150,000	16.3	10.0	22.6	13.5	15.2	20.3	3.7	7.9	14.2	7.9	4.5	18.8	21.0	27.5	9.0
\$150,001-200,000	9.3	0	15.5	4.2	7.6	8.1	2.4	0	9.4	6.3	4.5	0	6.5	1.1	3.6
Over \$200,000	16.3	30.0	8.3	5.2	3.8	9.5	2.4	3.4	13.2	6.3	0	0	6.5	3.3	3.6

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
n	45	48	13	20	21	72	45	50	67	43	33	62	60	67	41
Under \$5,000	0	0	0	0	0	0	0	0	0	0	3.0	1.6	0	0	0
\$5,000-15,000	8.9	8.3	0	10.0	0	16.7	8.9	18.0	4.5	4.7	6.1	16.1	26.7	22.4	4.9
\$15,001-20,000	4.4	8.3	0	5.0	11.1	22.2	17.8	16.0	9.0	4.7	15.2	6.5	11.7	20.9	7.3
\$20,001-30,000	8.9	14.6	7.7	15.0	3.7	20.8	15.6	20.0	7.5	4.7	21.2	19.4	15.0	19.4	9.8
\$30,001-40,000	20.0	10.4	0	5.0	7.4	18.1	17.8	14.0	11.9	9.3	15.2	11.3	5.0	13.4	17.1
\$40,001-50,000	17.8	16.7	15.4	5.0	7.4	15.3	11.1	14.0	13.4	9.3	12.1	6.5	10.0	10.4	14.6
\$50,001-60,000	17.8	12.5	15.4	5.0	7.4	5.6	6.7	8.0	6.0	7.0	15.2	3.2	10.0	7.5	19.5
\$60,001-90,000	17.8	14.6	23.1	15.0	33.3	1.4	8.9	6.0	23.9	30.2	6.1	14.5	8.3	3.0	9.8
\$90,001-150,000	2.2	12.5	23.1	30.0	7.4	0	11.1	2.0	22.4	16.3	0	11.3	13.3	3.0	12.2
\$150,001-200,000	2.2	0	0	10.0	0	0	0	2.0	0	9.3	3.0	4.8	0	0	4.9
Over \$200,000	0	2.1	15.4	0	0	0	2.2	0	1.5	4.7	3.0	4.8	0	0	0

	31	32	33	34	35	36	37	38	39	40	41
n	43	41	140	34	92	61	61	35	44	63	109
Under \$5,000	2.3	0	0	2.9	0	0	1.6	0	2.3	0	0.9
\$5,000-15,000	4.7	4.9	6.4	20.6	3.3	0	1.6	5.7	15.9	1.6	0.9
\$15,001-20,000	11.6	7.3	9.3	2.9	5.4	1.6	0	8.6	9.1	6.3	12.8
\$20,001-30,000	14.0	7.3	9.3	5.9	2.2	4.9	1.6	22.9	6.8	7.9	9.2
\$30,001-40,000	7.0	2.4	7.9	11.8	9.8	9.8	9.8	8.6	11.4	12.7	13.8
\$40,001-50,000	2.3	2.4	10.0	20.6	9.8	4.9	6.6	8.6	6.8	6.3	10.1
\$50,001-60,000	18.6	4.9	5.0	5.9	16.3	9.8	9.8	11.4	4.5	12.7	9.2
\$60,001-90,000	14.0	22.0	17.9	8.8	19.6	9.8	14.8	25.7	20.5	14.3	26.6
\$90,001-150,000	16.3	31.7	19.3	8.8	27.2	18.0	29.5	5.7	15.9	15.9	13.8
\$150,001-200,000	4.7	4.9	6.4	8.8	4.3	6.6	6.6	2.9	2.3	11.1	0.9
Over \$200,000	4.7	12.2	8.6	2.9	2.2	34.4	18.0	0	4.5	11.1	1.8

Locations key: 1 - Langs Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Maketu, 12 - Coastlands, 13 - Ohope, 14 - Wainui, 15 - Westshore, 16 - Haumoana, 17 - Te Awanga, 18 - Riversdale, 19 - Castlepoint, 20 - Akitio, 21 - Oamaru, 22 - Riverton, 23 - New Brighton, 24 - South Shore, 25 - Sumner, 26 - Kaikoura, 27 - Waitarere, 28 - Foxton Beach, 29 - Castlecliff, 30 - Lyall Bay, 31 - Eastbourne, 32 - Seatoun, 33 - Raumati, 34 - Te Horo, 35 - Oakura, 36 - Milford, 37 - Sunny Hills, 38 - Sunnybrae, 39 - Tamaki, 40 - Torbay and 41 - St Clair.

Visitors	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
n	13	62	6	31	19	27	51	72	71	25	87	2	19	10	10
Under \$5,000	0	0	0	0	0	0	0	2.8	2.8	0	2.3	0	5.3	0	0
\$5,000-15,000	0	3.2	0	3.2	31.6	7.4	7.7	0	0	8.0	0	0	15.8	10.0	10.0
\$15,001-20,000	0	3.2	0	0	5.3	0	3.8	2.8	1.4	0	2.3	0	15.8	10.0	10.0
\$20,001-30,000	15.4	4.8	0	19.4	10.5	3.7	7.7	5.6	5.6	16.0	8.0	0	21.1	0	0
\$30,001-40,000	7.7	8.1	0	6.5	5.3	3.7	5.8	6.9	7.0	0	6.9	0	10.5	0	10.0
\$40,001-50,000	23.1	11.3	33.3	16.1	5.3	7.4	3.8	8.3	8.5	16.0	11.5	0	10.5	10.0	0
\$50,001-60,000	7.7	11.3	16.7	12.9	10.5	18.5	7.7	15.3	15.5	24.0	19.5	0	10.5	30.0	10.0
\$60,001-90,000	7.7	27.4	33.3	9.7	26.3	37.0	19.2	31.9	29.6	20.0	17.2	0	10.5	0	20.0
\$90,001-150,000	15.4	24.2	16.7	19.4	5.3	11.1	28.8	19.4	16.9	16.0	20.7	50.0	0	40.0	20.0
\$150,001-200,000	7.7	3.2	0	3.2	0	7.4	9.6	2.8	8.5	0	9.2	0	0	0	10.0
Over \$200,000	15.4	3.2	0	9.7	0	3.7	3.8	4.2	4.2	0	2.3	50.0	0	0	10.0

Visitors locations key: 1 - Largs Beach, 2 - Waipu Cove, 3 - Omaha, 4 - Whangamata, 5 - Waihi Beach, 6 - Cooks Beach, 7 - Whitianga, 8 - Papamoa, 9 - Mount Maunganui, 10 - Pukehina, 11 - Ohope, 12 - Wainui, 13 - Te Awanga, 14 - New Brighton and 15 - Kaikoura.

**Table 62** What is the respondent's highest educational qualification?

	n	No School qualifications	Secondary School	Trade certificate or prof cert or diploma	University undergraduate degree	University postgraduate degree
Langs Beach	39	5.1	17.9	25.6	41.0	10.3
Waipu Cove	11	0	45.5	45.5	9.1	0
Omaha	98	7.1	14.3	37.8	29.6	11.2
Whangamata	101	5.0	31.7	36.6	17.8	8.9
Waihi Beach	113	8.0	31.0	30.1	24.8	6.2
Cooks Beach	81	6.2	29.6	44.4	17.3	2.5
Whitianga	87	11.5	19.5	56.3	11.5	1.1
Papamoa	95	16.8	25.3	42.1	12.6	3.2
Mt Maunganui	120	11.7	30.8	28.3	21.7	7.5
Pukehina	65	13.8	27.7	27.7	24.6	6.2
Maketu	22	4.5	36.4	31.8	18.2	9.1
Coastlands	50	10.0	26.0	38.0	20.0	6.0
Ohope	124	3.2	20.2	27.4	33.9	15.3
Wainui	95	3.2	25.3	28.4	33.7	9.5
Westshore	120	12.5	30.8	30.0	21.7	5.0
Haumoana	49	16.3	24.5	28.6	22.4	8.2
Te Awanga	55	12.7	20.0	40.0	23.6	3.6
Riversdale	16	6.3	25.0	31.3	25.0	12.5
Castlepoint	22	9.1	36.4	27.3	18.2	9.1
Akitio	24	12.5	37.5	37.5	12.5	0
Oamaru	78	24.4	35.9	33.3	6.4	0
Riverton	47	27.7	29.8	31.9	8.5	2.1
New Brighton	52	9.6	26.9	34.6	23.1	5.8
South Shore	72	2.8	27.8	36.1	25.0	8.3
Sumner	45	4.4	17.8	26.7	26.7	24.4
Kaikoura	36	16.7	25.0	38.9	13.9	5.6
Waitarere	66	6.1	28.8	3.3	22.7	9.1
Foxton Beach	64	10.9	46.9	25.0	14.1	3.1
Castlecliff	69	14.5	23.2	40.6	18.8	2.9
Lyll Bay	43	9.3	16.3	32.6	30.2	11.6
Eastbourne	47	10.6	19.1	23.4	31.9	14.9
Seatoun	45	0	17.8	35.6	31.1	15.6
Raumati	154	3.9	19.5	26.6	34.4	15.6
Te Horo	37	10.8	29.7	21.6	27.0	10.8
Oakura	100	6.0	22.0	33.0	30.0	9.0
Milford	76	3.9	22.4	32.9	30.3	10.5
Sunny Hills	70	2.9	17.1	34.3	31.4	14.3
Sunnybrae	37	8.1	24.3	27.0	35.1	5.4
Tamaki	48	14.6	18.8	33.3	25.0	8.3
Torbay	78	5.1	19.2	28.2	30.8	16.7
St Clair	127	12.6	26.0	23.6	25.2	12.6
Visitors	n	No School qualifications	Secondary School	Trade certificate or prof cert or diploma	University undergraduate degree	University postgraduate degree
Langs Beach	13	15.4	23.1	46.2	15.4	0
Waipu Cove	67	10.4	43.3	34.3	10.4	1.5
Omaha	7	0	14.3	42.9	42.9	0
Whangamata	34	8.8	32.4	29.4	23.5	5.9
Waihi Beach	23	13.0	43.5	30.4	8.7	4.3
Cooks Beach	30	13.3	20.0	36.7	23.3	6.7
Whitianga	52	5.8	26.9	28.8	28.8	9.6
Papamoa	76	5.3	36.8	36.8	17.1	3.9
Mt Maunganui	72	15.3	22.2	29.2	30.6	2.8
Pukehina	27	11.1	25.9	29.6	25.9	7.4
Ohope	91	13.2	26.4	31.9	20.9	7.7
Wainui	4	25.0	25.0	0	50.0	0
Te Awanga	20	25.0	45.0	20.0	10.0	0
New Brighton	10	20.0	10.0	40.0	20.0	10.0
Kaikoura	10	10.0	20.0	20.0	30.0	20.0

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## Institute of Geological & Nuclear Sciences Limited

Gracefield Research Centre  
**69 Gracefield Road**  
**PO Box 30 368**  
**Lower Hutt**  
**New Zealand**  
**Phone +64-4-570 1444**  
**Fax +64-4-570 4600**

Rafter Research Centre  
**30 Gracefield Road**  
**PO Box 31 312**  
**Lower Hutt**  
**New Zealand**  
**Phone +64-4-570 4637**  
**Fax +64-4-570 4657**

Dunedin Research Centre  
**764 Cumberland Street**  
**Private Bag 1930**  
**Dunedin**  
**New Zealand**  
**Phone +64-3-477 4050**  
**Fax +64-3-477 5232**

Wairakei Research Centre  
**State Highway 1, Wairakei**  
**Private Bag 2000**  
**Taupo**  
**New Zealand**  
**Phone +64-7-374 8211**  
**Fax +64-7-374 8199**

For more information visit the GNS website  
**<http://www.gns.cri.nz>**