



# SEARCH AND RESCUE ANNUAL STATISTICS REPORT 2005 2006



## Table of Contents

<b><u>Foreword</u></b>	<b>3</b>
<b><u>Operational Overview</u></b>	<b>4</b>
<b><u>District Totals by Class &amp; Land or Marine</u></b>	<b>5</b>
<b><u>District Totals Breakdown By Month</u></b>	<b>6</b>
<b><u>Incidents By Recreational Activity</u></b>	<b>7</b>
<b><u>Totals Of Operations By Problem Types</u></b>	<b>9</b>
<b><u>Costs by District, Type &amp; Class</u></b>	<b>10</b>
<b><u>Nature Of Delay By District</u></b>	<b>11</b>
<b><u>Subjects by Gender and Age Groups</u></b>	<b>12</b>
<b><u>Incidents by Residency</u></b>	<b>13</b>
<b><u>Fatalities</u></b>	<b>15</b>

## FOREWORD

**2005 – 2006 SAR STATISTICS**

Police Annual Search and Rescue Statistics have been collated from the electronic data collection form on Police Lotus Notes and reflect the data entered by districts. A 10% decrease has been recorded in search and rescue activity for the past year. The greatest decrease being in land search and rescue incidents, 184 less than last year. This decrease may be attributed to annual fluctuation, a particularly severe winter preventing usual outdoor activity, technological improvements and greater awareness of the risks outdoors.

The statistics for 2005 2006 give the following highlights:

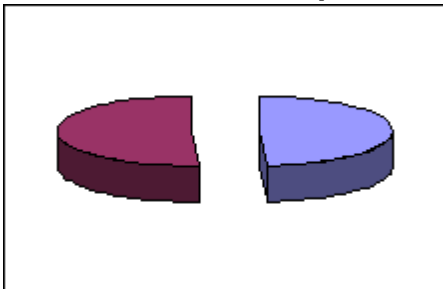
- 661 class two land search and rescue incidents
- 690 class two marine search and rescue incidents
- 1411 incidents were attended
- Over 2,964 people were assisted
- \$827,689.08 were spent delivering class II land incident response
- \$509,540.96 were spent delivering class II marine incident response
- \$90,593.50 were spent by Police supporting class III land incident response
- \$16,652.5 were spent by Police supporting class III marine incident response

The Search and Rescue environment is constantly changing. Improved technology enables more accurate determination of appropriate responses and more efficient responses. As communication and navigation technology improve it is expected the number, length and cost of search and rescue operations will decrease. However an effective and efficient response will still be required to rescue those in distress. Enhancing the networks between search and rescue partners and utilising the skills and knowledge available is vital to ensuring the most effective response is provided. The combined use of improved technology and the skills search and rescue practitioners have will continue to see persons rescued more quickly and more efficiently.

Geoff Logan  
Coordinator: Search and Rescue  
Police National Headquarters

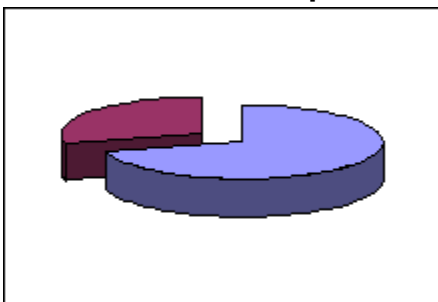
### Operational Overview

#### Class 2 Operations



<b>Land</b>	<b>661</b>	<b>49%</b>
<b>Marine</b>	<b>690</b>	<b>51%</b>
<b>Sub-Total</b>	<b>1351</b>	<b>100%</b>

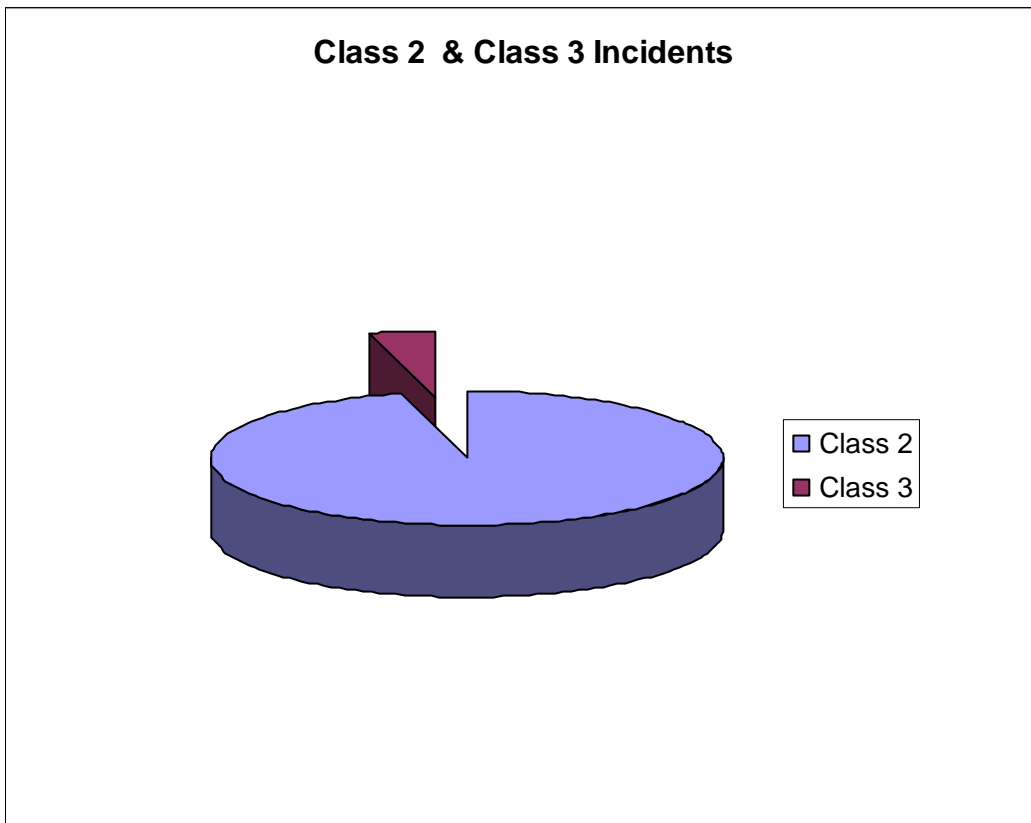
#### Class 3 Operations



<b>Land</b>	<b>42</b>	<b>71%</b>
<b>Marine</b>	<b>17</b>	<b>29%</b>
<b>Sub-Total</b>	<b>59</b>	<b>100%</b>
<b>Not Categorised</b>	<b>1</b>	

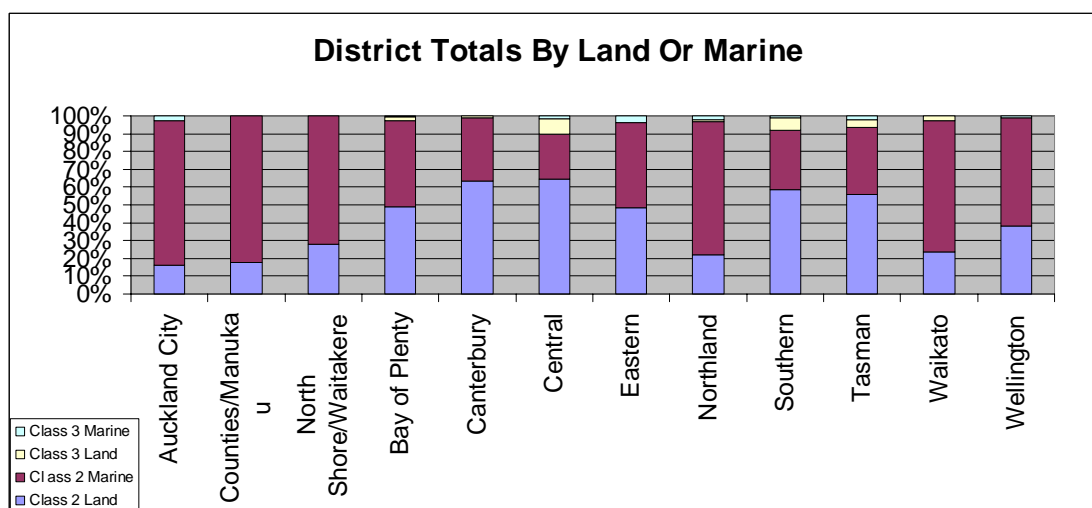
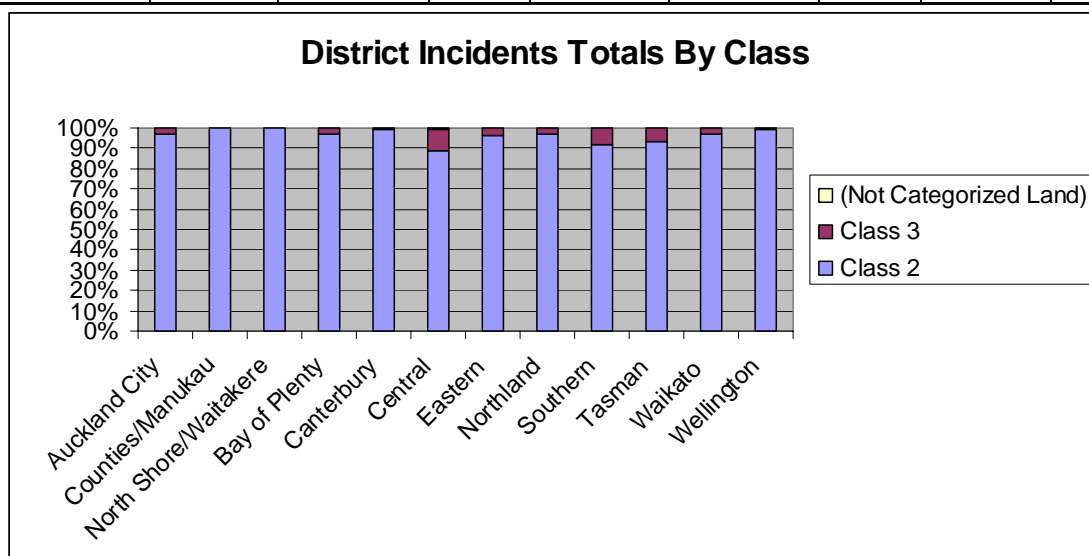
**TOTAL 1411**

#### Class 2 & Class 3 Incidents



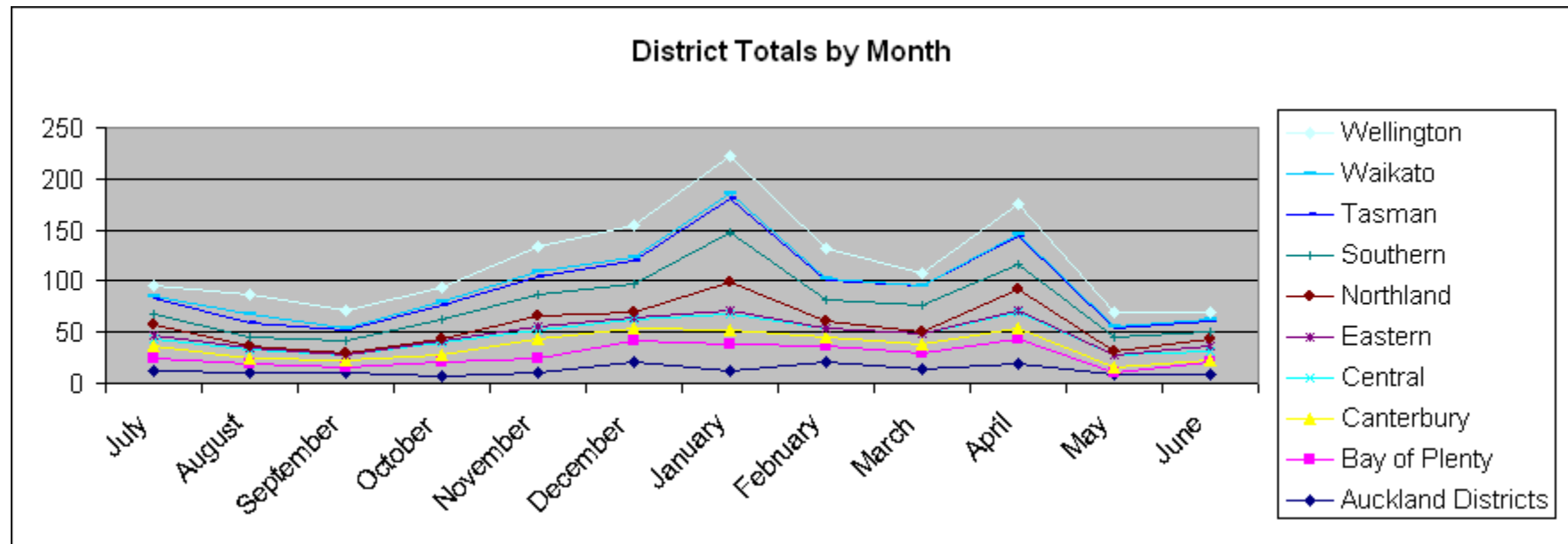
### District Totals by Class and Land or Marine

District	Total	Class 2	Land	Marine	Class 3	Land	Marine	(Not Categorized Land)
Auckland City	37	36	6	30	1		1	
Counties/Manukau	28	28	5	23				
North Shore/Waitakere	90	90	25	65				
Bay of Plenty	170	165	83	82	5	4	1	
Canterbury	110	109	70	39	1	1		
Central	120	107	77	30	12	10	2	1
Eastern	27	26	13	13	1		1	
Northland	99	96	22	74	3	1	2	
Southern	236	217	138	79	19	16	3	
Tasman	212	198	119	79	14	9	5	
Waikato	34	33	8	25	1	1		
Wellington	248	246	95	151	2		2	
<b>Totals</b>	<b>1411</b>	<b>1351</b>	<b>661</b>	<b>690</b>	<b>59</b>	<b>42</b>	<b>17</b>	<b>1</b>



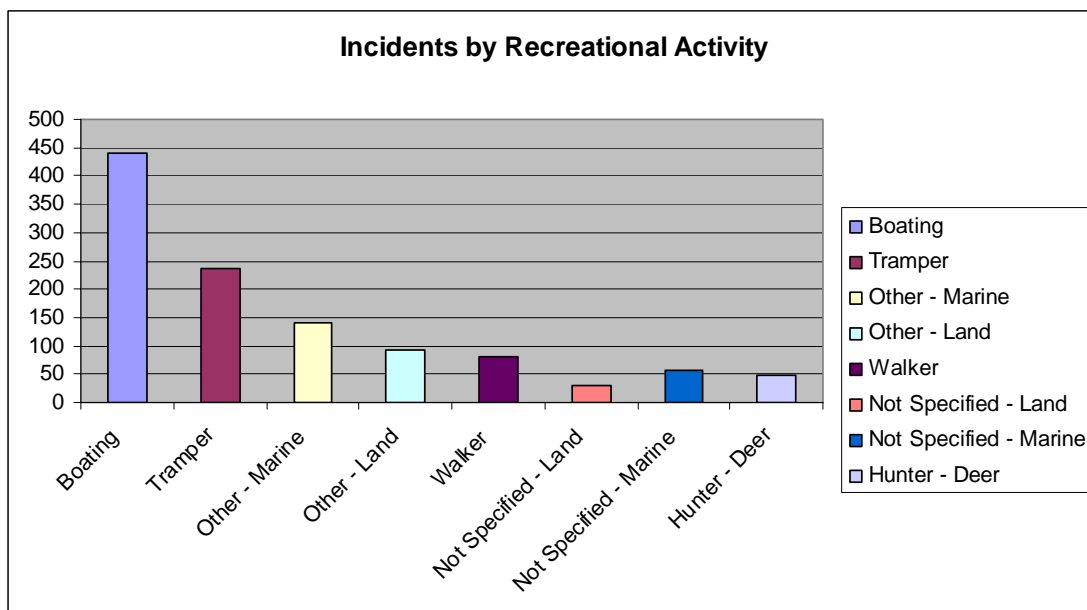
### District Totals by Month

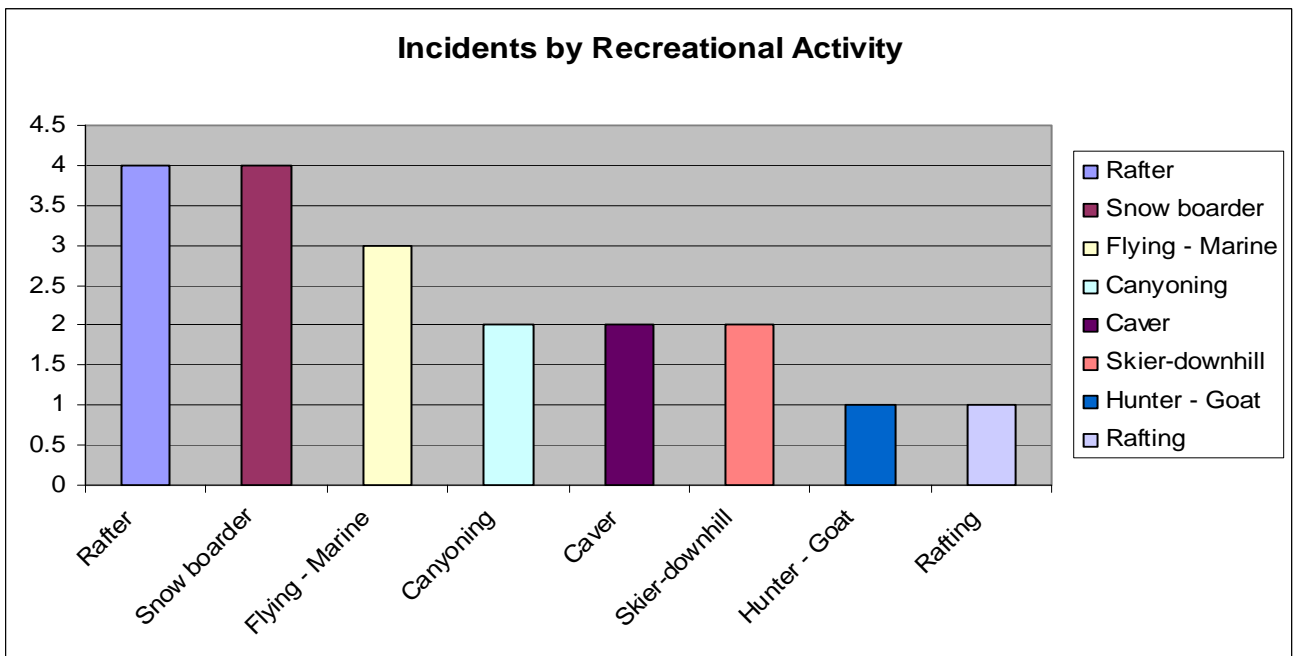
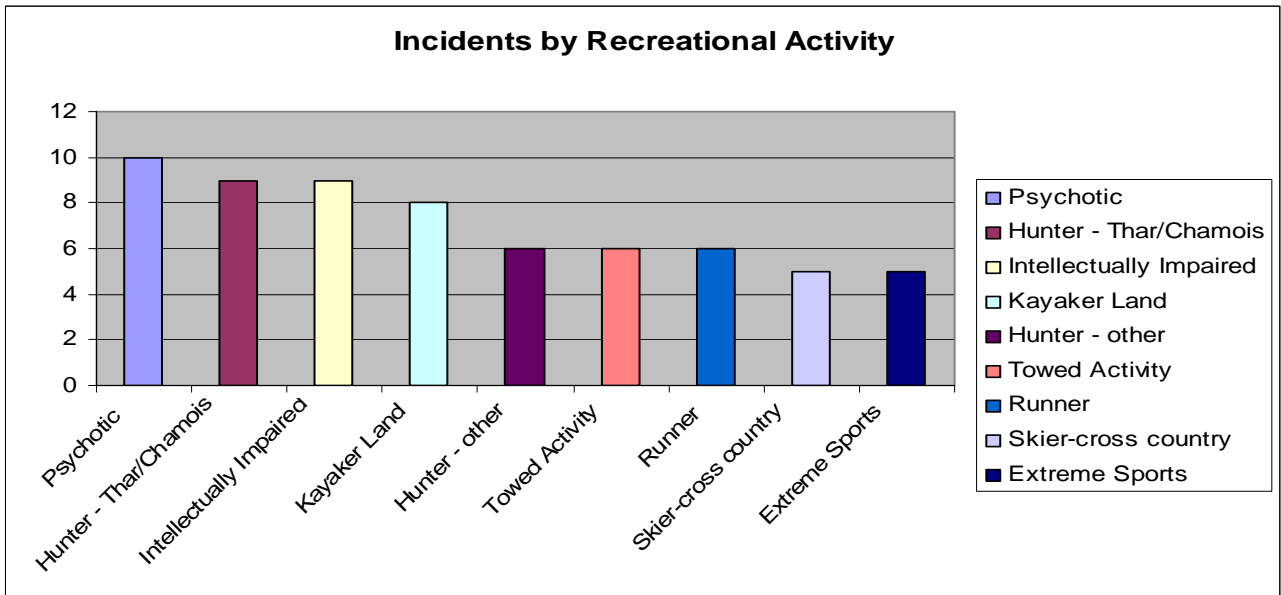
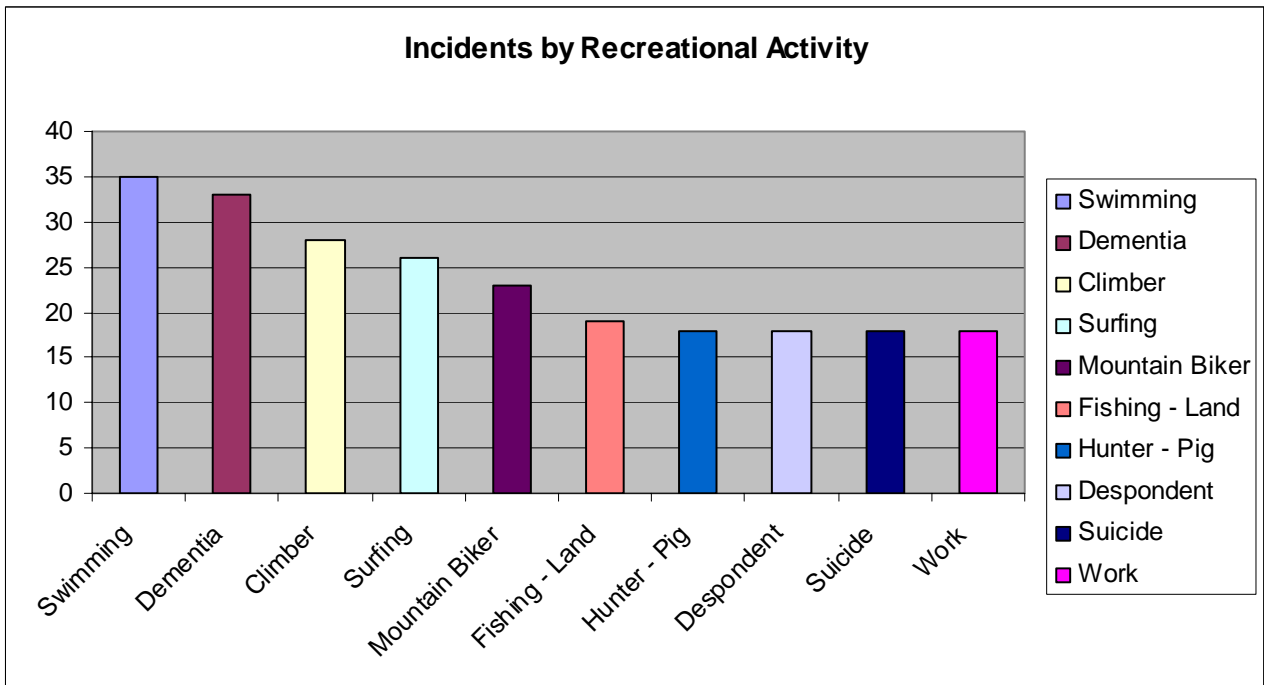
District	July	August	September	October	November	December	January	February	March	April	May	June	Total
Auckland Districts	13	11	10	7	11	20	13	20	14	19	8	9	<b>155</b>
Bay of Plenty	12	8	5	14	14	22	26	16	16	24	2	11	<b>170</b>
Canterbury	11	6	8	6	18	12	13	9	8	10	6	3	<b>110</b>
Central	8	8	4	13	9	9	15	8	10	17	11	8	<b>120</b>
Eastern	3	2	1	1	4	2	5	1	0	2	1	5	<b>27</b>
Northland	10	1	2	3	10	4	27	7	3	20	4	8	<b>99</b>
Southern	11	9	11	19	21	28	48	20	25	24	14	6	<b>236</b>
Tasman	16	14	11	13	17	22	33	20	19	28	8	11	<b>212</b>
Waikato	1	8	1	3	5	5	5	1	0	1	2	2	<b>34</b>
Wellington	11	20	18	15	24	30	38	30	12	30	13	7	<b>248</b>
<b>Monthly Total</b>	<b>96</b>	<b>87</b>	<b>71</b>	<b>94</b>	<b>133</b>	<b>154</b>	<b>223</b>	<b>132</b>	<b>107</b>	<b>175</b>	<b>69</b>	<b>70</b>	<b>1411</b>



### Incidents By Recreational Activity

Activity	Incidents	Activity	Incidents
Boating	441	Psychotic	10
Tramper	236	Hunter - Thar/Chamois	9
Other - Marine	140	Intellectually Impaired	9
Other - Land	94	Kayaker Land	8
Walker	81	Hunter - other	6
Not Specified - Land	29	Towed Activity	6
Not Specified - Marine	56	Runner	6
Hunter - Deer	47	Skier-cross country	5
Activity	Incidents	Extreme Sports	5
Swimming	35	Activity	Incidents
Dementia	33	Rafter	4
Climber	28	Snow boarder	4
Surfing	26	Flying - Marine	3
Mountain Biker	23	Canyoning	2
Fishing - Land	19	Caver	2
Hunter - Pig	18	Skier-downhill	2
Despondent	18	Hunter - Goat	1
Suicide	18	Rafting	1
Work	18	<b>Total</b>	<b>1441</b>



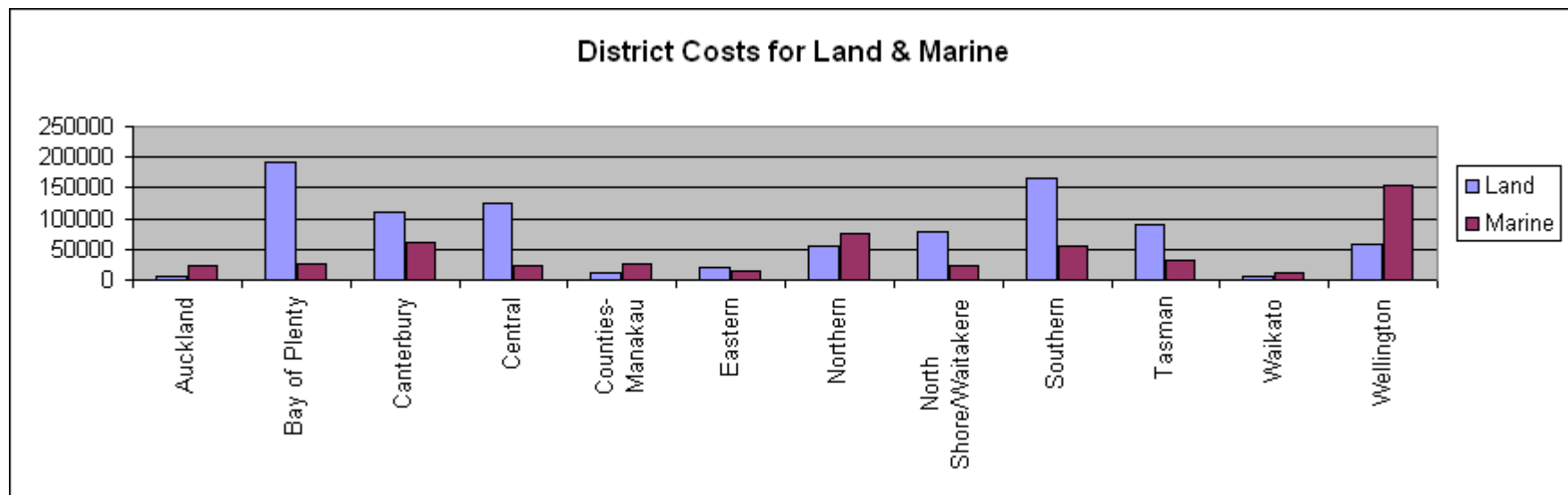


### Incidents by Problem Type

<b>Problem Type</b>	<b>Total</b>	<b>Marine</b>	<b>Land</b>
Alcohol suspected	12	12	
Collision with other vessel	4	4	
Collision with structure	10	10	
Crew inexperienced	22	22	
Darkness	44		44
Drug suspected	1	1	
Equipment failure	9		9
Falling object/avalanche	7		7
Fire	9	9	
Fuel System Failure	18	18	
Haste	6		6
Human error	368	109	259
Injury	7	7	
Lack of fuel	11	11	
Man over board	29	29	
Medical	15	15	
Nature	10		10
Navigation equipment failure	1	1	
Navigation error	30	30	
Not Specified	180	114	66
Other	309	168	141
Other person	14		14
Over reliance in electronics	1	1	
Propulsion/Engine failure	91	91	
Sea sick	2	2	
Self inflicted	46		46
Skipper inexperienced	39	39	
Unknown	38		38
Vessel equipment failure	53	53	
Vessel structure failure	19	19	
Vessel unsuitable for voyage	13	13	
Weather	63		63
Weather too light	10	10	
Weather too severe	80	80	
<b>TOTALS</b>	<b>1571</b>	<b>868</b>	<b>703</b>

**COST BY DISTRICT, TYPE AND CLASS**

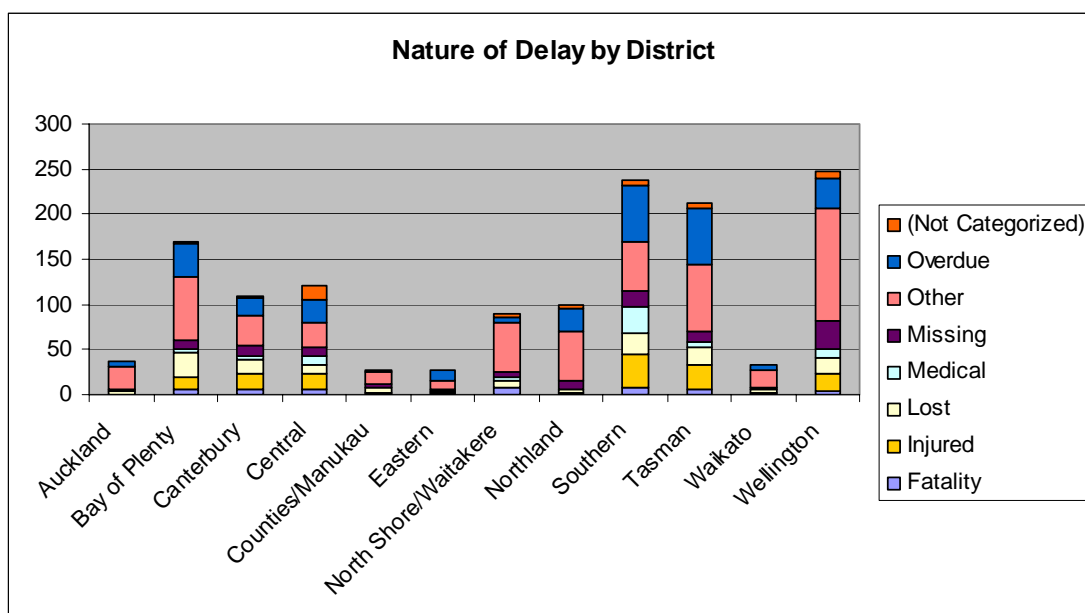
	District Total	Class 2 Total	Class 2 Land	Class 2 Marine	Class 3 Total	Class 3 Land	Class 3 Marine	Not Categorized
Auckland	27620	27080	4715	22365	540		540	
Bay of Plenty	217577.18	213874.68	187415.08	26459.6	3702.5	3290	412.5	
Canterbury	172570.1	172360.1	110770.53	61589.57	210	210		
Central	148794.23	137479.23	117803.71	19675.52	11280	8505	2775	35
Counties-Manakau	36625	36625	10600	26025				
Eastern	34710	31305	19100	12205	3405		3405	
Northern	130555	130555	56155	74400				
North Shore/Waitakere	103270	85945	61530	24415	17325	17150	175	
Southern	220328.45	178697.95	132206.77	46491.18	41630.5	33475.5	8155	
Tasman	120707.49	92429.49	61474.99	30954.5	28278	27963	315	
Waikato	18840	18455	7115	11340	385		385	
Wellington	212913.59	212423.59	58803	153620.59	490		490	
<b>TOTAL (\$)</b>	<b>1444511.04</b>	<b>1337230.04</b>	<b>827689.08</b>	<b>509540.96</b>	<b>107246</b>	<b>90593.5</b>	<b>16652.5</b>	<b>35</b>



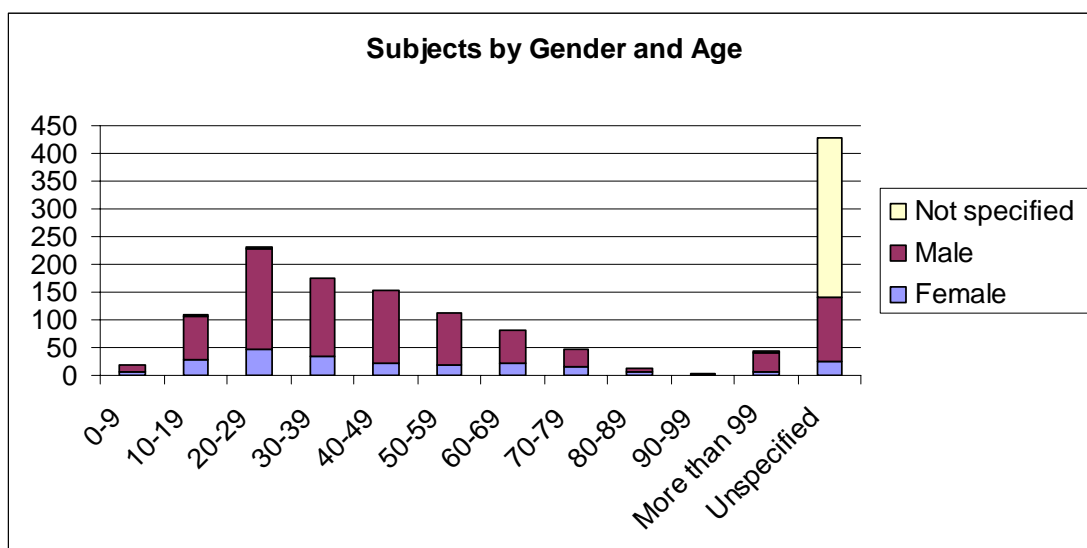
### Nature Of Delay

Class	Type	District total	Fatality	Injured	Lost	Medical	Missing	Other	Overdue	(Not Categorized)
<b>Land</b>	<b>703</b>									
Auckland		6			3		2		1	
Bay of Plenty		87	1	14	24	5	9		32	2
Canterbury		71	2	19	15	3	13		19	
Central		88	4	18	8	9	9		27	13
Counties/Manukau		5			1	1	3			
Eastern		13	1		1	2			9	
North Shore/Waitakere		25	3	1	8	3	6		2	2
Northland		23		1	2		10		10	
Southern		154	2	38	16	29	17		46	6
Tasman		128	3	27	16	6	13		58	5
Waikato		8		1	3	1	1		2	
Wellington		95	1	19	14	9	32		18	2

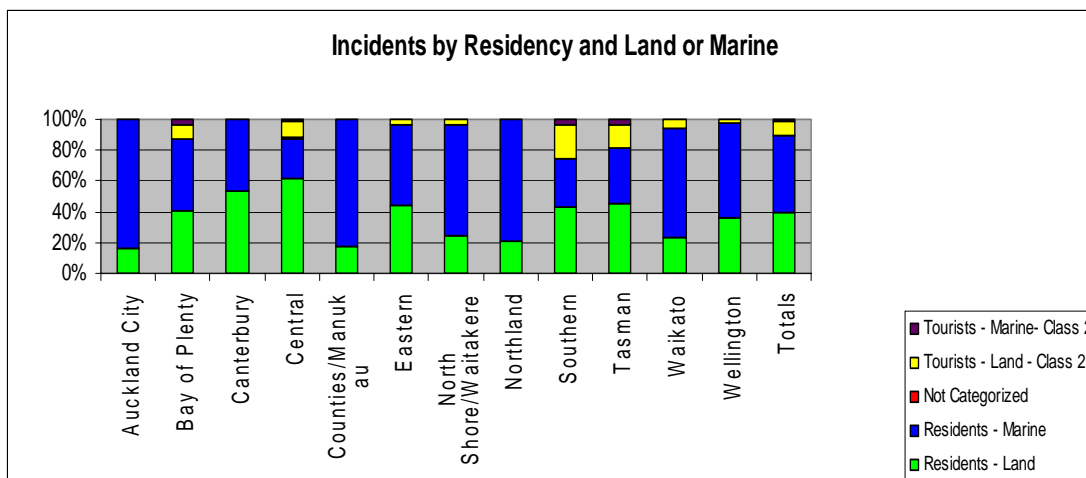
<b>Marine</b>	<b>708</b>									
Auckland		31			1			26	4	
Bay of Plenty		83	4		3			71	5	
Canterbury		39	3					33		3
Central		32	2		2			27		1
Counties/Manukau		23	1		5			15	2	
Eastern		14	1		1			9	3	
North Shore/Waitakere		65	4					54	4	3
Northland		76	1		2			55	15	3
Southern		82	5		6			54	16	1
Tasman		84	3		3			73	5	
Waikato		26			1			21	4	
Wellington		153	3		4			125	15	6
<b>TOTALS</b>	<b>1411</b>	<b>1411</b>	<b>43</b>	<b>138</b>	<b>140</b>	<b>68</b>	<b>115</b>	<b>563</b>	<b>282</b>	<b>47</b>



<b>Subjects by Gender and Age Groups</b>				
Age Range (Years)	Female	Male	Not specified	Totals
0-9	6	13		19
10-19	29	78	1	108
20-29	47	182	2	231
30-39	34	140		174
40-49	21	131		152
50-59	20	92	2	114
60-69	22	58		80
70-79	15	33		48
80-89	7	5		12
90-99	1	1		2
More than 99	7	35	1	43
Unspecified	24	118	286	428
<b>Totals</b>	<b>233</b>	<b>886</b>	<b>292</b>	<b>1411</b>

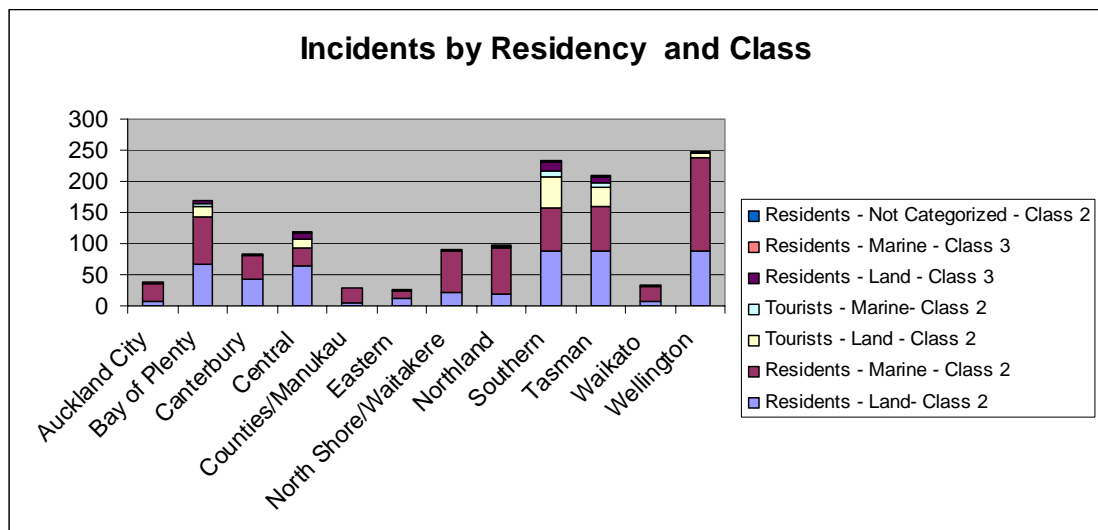


	Residents - Land	Residents - Marine	Not Categorized	Tourists - Land - Class 2	Tourists - Marine- Class 2
Auckland City	6	31			
Bay of Plenty	70	78		17	5
Canterbury	44	39			
Central	74	30	1	13	1
Counties/Manukau	5	23			
Eastern	12	14		1	
North Shore/Waitakere	22	65		3	
Northland	20	76			
Southern	102	73		50	9
Tasman	96	76		31	7
Waikato	8	24		2	
Wellington	89	152		6	1
<b>Totals</b>	<b>548</b>	<b>681</b>	<b>1</b>	<b>123</b>	<b>23</b>



**Incidents by Residency and Class**

	Residents - Land- Class 2	Residents - Marine - Class 2	Tourists - Land - Class 2	Tourists - Marine- Class 2	Residents - Land - Class 3	Residents - Marine - Class 3	Residents - Not Categorized - Class 2
Auckland City	6	30				1	
Bay of Plenty	66	77	17	5	4	1	
Canterbury	43	39			1		
Central	64	29	13	1	10	1	1
Counties/Manukau	5	23					
Eastern	12	13	1			1	
North Shore/Waitakere	22	65	3				
Northland	20	74			1	2	
Southern	88	70	50	9	14	3	
Tasman	88	72	31	7	8	4	
Waikato	8	23	2			1	
Wellington	89	150	6	1		2	
<b>Total</b>	<b>511</b>	<b>665</b>	<b>123</b>	<b>23</b>	<b>38</b>	<b>16</b>	<b>1</b>



Fatalities 2005/2006					
Incident Date	Gender	Age	Target Group	Problem Type	District
Land	33				
28/03/2006	Female	79		Human error	Bay of Plenty
15/07/2006	Female	50		Other	Canterbury
10/02/2006	Female	29		Self inflicted	Northland
27/05/2006	Female	72		Self inflicted	Central
5/06/2006	Female	65		Self inflicted	Northland
25/02/2006	Female	55	Private	Unknown	Canterbury
20/01/2006	Female	25		Weather	Tasman
26/04/2006	Female	70		Weather	Bay of Plenty
16/09/2005	Male	58		Darkness	Central
17/09/2005	Male	16		Human error	Tasman
22/12/2005	Male			Human error	North Shore/Waitakere
2/01/2006	Male	45		Human error	Canterbury
11/11/2005	Male	43		Human error	North Shore/Waitakere
3/12/2005	Male	39	4WD Club	Human error	Wellington
26/01/2006	Male	39		Human error	Central
1/03/2006	Male	34		Human error	Tasman
20/03/2006	Male	27		Human error	Southern
12/04/2006	Male	42		Human error	Central
22/05/2006	Male	57		Human error	Southern
2/06/2006	Male	72		Human error	Bay of Plenty
21/02/2006	Male	76		Human error	Central
7/11/2005	Male	70		Other	North Shore/Waitakere
28/11/2005	Male	58		Other	Southern
30/06/2006	Male	71		Other	Tasman
4/09/2005	Male	22		Self inflicted	Wellington
19/09/2005	Male	46		Self inflicted	Tasman
9/11/2005	Male	50	Solo	Self inflicted	Central
9/12/2005	Male	44		Self inflicted	Northland
24/01/2006	Male	26		Self inflicted	Eastern
22/11/2005	Male	49		Unknown	Northland
21/02/2006	Male	65		Unknown	Tasman
5/03/2006	Male	61		Unknown	Southern
17/03/2006	Male	69		Unknown	Bay of Plenty
Marine	33				
27/04/2006	Female	46		Alcohol suspected	Eastern
23/04/2006	Female	57		Human error	Bay of Plenty
23/10/2005	Female	12	Private	Injury	Southern
3/09/2005	Female	73		Medical	North Shore/Waitakere
23/04/2006	Female	57		Weather too severe	Bay of Plenty
23/02/2006	Male	46		Alcohol suspected	Bay of Plenty
28/08/2005	Male	43	Dive Company	Human error	Tasman
5/11/2005	Male	34		Human error	Tasman
16/11/2005	Male	22		Human error	Waikato
17/12/2005	Male	44	Private	Human error	Canterbury
29/12/2005	Male	29		Human error	Tasman
14/02/2006	Male	44		Human error	Central

Fatalities 2005/2006 continued					
6/01/2006	Male	26	Private	Human error	Canterbury
10/03/2006	Male	50		Human error	Canterbury
1/01/2006	Male	53		Man over board	North Shore/Waitakere
12/06/2006	Male	23		Man over board	Wellington
21/08/2005	Male	55		Medical	North Shore/Waitakere
16/01/2006	Male	42	Private	Medical	Bay of Plenty
11/03/2006	Male			Medical	Counties/Manukau
20/03/2006	Male	75	Rowing Club	Medical	Central
20/06/2006	Male	63		Medical	Central
1/09/2005	Male	56		Other	Central
28/08/2005	Male	43	Dive Company	Other	Tasman
22/10/2005	Male	27		Other	Southern
28/10/2005	Male	63		Other	Southern
13/12/2005	Male	28		Other	Counties/Manukau
30/01/2006	Male	37		Other	Eastern
19/03/2006	Male	44		Other	Canterbury
21/06/2006	Male	31		Other	Bay of Plenty
13/05/2006	Male	78		Other	Southern
28/08/2005	Male	43	Dive Company	Weather too severe	Tasman
18/01/2006	Male	39		Weather too severe	Wellington
29/01/2006	Unknown			Other	Northland
TOTAL		66			