

NEW ZEALAND POLICE

SEARCH AND RESCUE ANNUAL STATISTICS REPORT



2002/2003

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FOREWORD

2002 – 2003 SAR STATISTICS

This is the last year the Police annual Search and Rescue Statistics will be presented in this format. With the development of the electronic data collection form on the Police Lotus Notes system the format of the annual report will change. The electronic format will enable more accurate statistics to be recorded with more data on lost person behaviour able to be recorded.

The Statistic for 2002 2003 give the following highlights:

- 582 class one and two land search and rescue incidents
- 498 class one and two marine search and rescue incidents
- 1483 persons were assisted during land and marine incidents
- 19481 hours were contributed by volunteers towards land incidents
- 9480 hours were contributed by Police towards land incidents
- 3848 hours were contributed by volunteers towards marine incidents
- 2612 hours were contributed by Police towards marine incidents

The Search and Rescue environment has changed with the development of the Search and Rescue Council, Secretariat and Consultative Committee. This organisation will have a beneficial effect on Search and Rescue within New Zealand.

Gerard Prins
Coordinator: Search and rescue
Office of Commissioner

NATIONAL RESCUE COORDINATION CENTRE (NRCC)

SEARCH AND RESCUE PERFORMANCE SUMMARY

SAR Incident Report for the period 1 July 02 - 30 June 03

- Total number of Class III incidents: 872
- Aviation incidents: 215
- Nautical incidents: 127
- Land incidents: 15
- Undetermined incidents: 515
- Total Class III incident processing hours: 2855.7
- NRCC opened: 16
- Hours NRCC opened: 372.3
- Number of distress beacon alerts detected by satellite: 680
- % of total incidents: 78%
- Distress Beacon processing hours: 2053.9
- Total number of persons subject to SAR processes: 169
- Number of persons rescued: 135
- No of deceased persons recovered: 15
- Persons not recovered: 19
- % of SAR incidents responded to within 10 minutes: 100%
- % of searches categorised as successful: 100%

Operational Highlights

Class 1 Operations

LAND	173	16%
WATER	148	14%
Total for Class 1	321	30%

Class 2 Operations

LAND	409	38%
WATER	350	32%
Total for Class 2	759	70%

Total **1080**

District Totals

District	Class	LAND	WATER	TOTAL
AUCKLAND CITY	CLASS 2	3	2	5
AUCKLAND CITY	TOTAL	3	2	5
BAY OF PLENTY	CLASS 1	6	8	14
BAY OF PLENTY	CLASS 2	31	79	110
BAY OF PLENTY	TOTAL	37	87	124
CANTERBURY	CLASS 1	6	4	10
CANTERBURY	CLASS 2	54	43	97
CANTERBURY	TOTAL	60	47	107
CENTRAL	CLASS 1	26	9	35
CENTRAL	CLASS 2	78	56	134
CENTRAL	TOTAL	104	65	169
COUNTIES/MANAKAU	CLASS 1	4	4	
COUNTIES/MANAKAU	CLASS 2	4	4	
COUNTIES/MANAKAU	TOTAL	8	8	
EASTERN	CLASS 1	10	10	20
EASTERN	CLASS 2	10	17	27
EASTERN	TOTAL	20	27	47
NORTH SHORE/WAITAKERE	CLASS 1	10	10	
NORTH SHORE/WAITAKERE	CLASS 2	11	1	12
NORTH SHORE/WAITAKERE	TOTAL	21	1	22

District	Class	LAND	WATER	TOTAL
NORTHLAND	CLASS 1	5	12	17
NORTHLAND	CLASS 2	16	21	37
NORTHLAND	TOTAL	21	33	54
SOUTHERN	CLASS 1	21	12	33
SOUTHERN	CLASS 2	59	33	92
SOUTHERN	TOTAL	80	45	125
TASMAN	CLASS 1	26	13	39
TASMAN	CLASS 2	57	23	80
TASMAN	TOTAL	83	36	119
WAIKATO	CLASS 1	4	9	13
WAIKATO	CLASS 2	14	19	33
WAIKATO	TOTAL	18	28	46
WELLINGTON	CLASS 1	55	71	126
WELLINGTON	CLASS 2	72	56	128
WELLINGTON	TOTAL	127	127	254
Grand Total:		582	498	1080

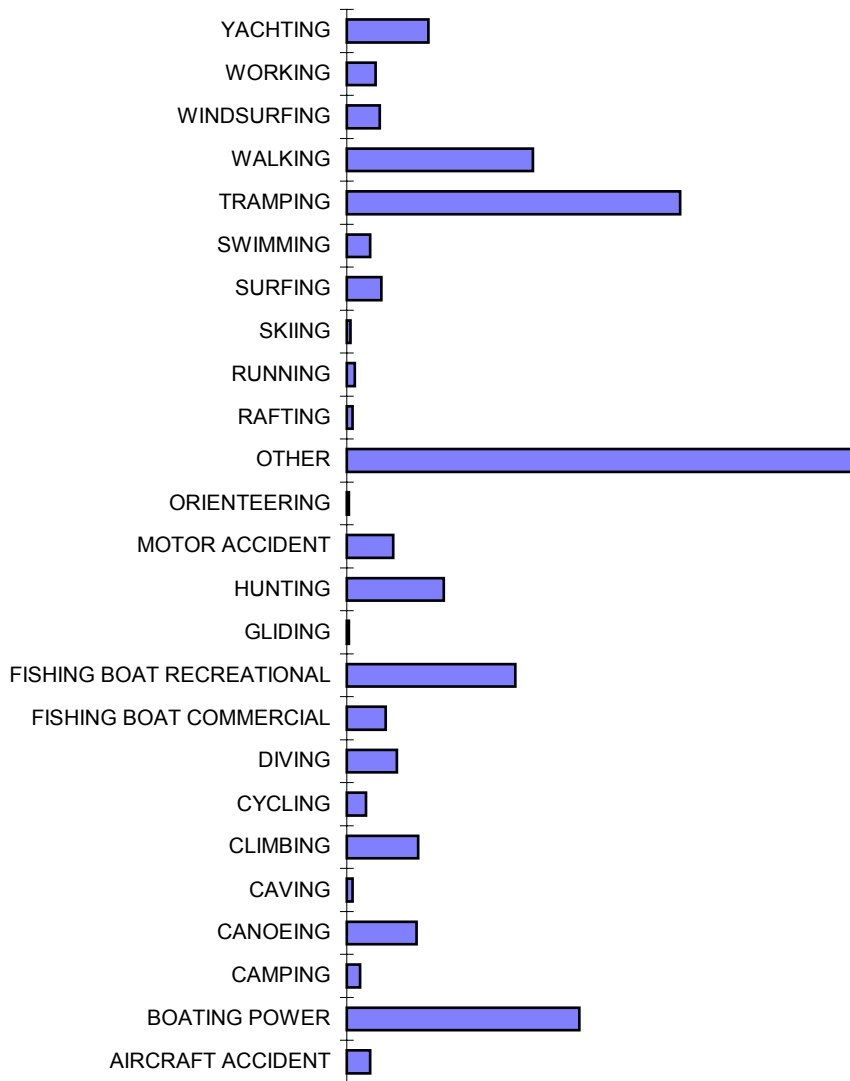
District Breakdown by Month

District Name	Total	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
AUCKLAND CITY	5			1	1		2			1			
BAY OF PLENTY	124	4	13	9	10	6	15	27	9	8	10	5	8
CANTERBURY	107	5	4	5	6	8	17	12	17	11	6	8	8
CENTRAL	169	7	6	8	6	16	15	30	20	31	13	9	8
COUNTIES/MANAKAU	8				1	1		2	1	2	1		
EASTERN	47	2	2	4	7	3	5	4	3	4	3	5	5
NORTH													
SHOREWAITAKERE	22	2			6		1	3	2	1	6	1	
NORTHLAND	54	3	2	4	1	2	2	11	4	3	8	8	6
SOUTHERN	125	13	10	5	5	13	16	19	11	8	14	8	3
TASMAN	119	9	8	10	8	8	10	12	14	13	9	13	5
WAIKATO	46	5	4	4	2	3	6	7	3	2	2	3	5
WELLINGTON	254	25	12	22	16	17	34	30	28	23	17	13	17

Main Recreational Activity Totals

Activity Type	Land	Water	Total
AIRCRAFT ACCIDENT	9	3	12
BOATING POWER		120	120
CAMPING	7		7
CANOEING		36	36
CAVING	3		3
CLIMBING	37		37
CYCLING	10		10
DIVING	26		26
FISHING BOAT COMMERCIAL		20	20
FISHING BOAT RECREATIONAL		87	87
GLIDING	1		1
HUNTING	50		50
MOTOR ACCIDENT	24		24
ORIENTEERING	1		1
OTHER	143	118	261
RAFTING		3	3
RUNNING	4		4
SKIING	2		2
SURFING		18	18
SWIMMING		12	12
TRAMPING	172		172
WALKING	96		96
WINDSURFING		10	17
WORKING	15		15
YACHTING		42	42

Main Recreational Activity Totals



Totals of Operations By Problem Type

Problem	LAND	WATER	TOTAL
AVALANCHE	4		4
ENGINE FAILURE		110	110
EQUIPMENT	16	24	40
FLARES NEGATIVE		33	33
FUEL		12	12
MEDICAL	163	16	176
NAVIGATIONAL	110	23	132
OTHER	203	191	394
PERSON OVERBOARD		38	38
RIVERS	38		38
SUICIDE	26	5	31
WEATHER	22	46	68
Grand Total:	582	498	1080

Target Group Totals

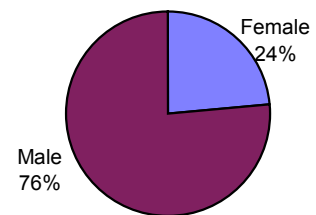
Target	LAND	WATER	TOTAL
COMMERCIAL GROUP	19	22	41
LOST CHILD	30		30
OTHER	49	74	123
PRIVATE GROUP	215	269	484
RECREATIONAL CLUB	20	18	38
SCHOOL GROUP	11	1	12
SENIOR CITIZEN	57		57
SOLO	176	112	288
YOUTH GROUP	5	2	7
Grand Total:	582	498	1080

Victims By Gender and Age Groups

FEMALE

Age Unknown	31
0 to 9	26
10 to 19	67
20 to 29	71
30 to 39	48
40 to 49	41
50 to 59	32
60 to 69	13
70 to 79	10
80 to 89	10
90 to 99	2
TOTAL FEMALES	352

Gender Type

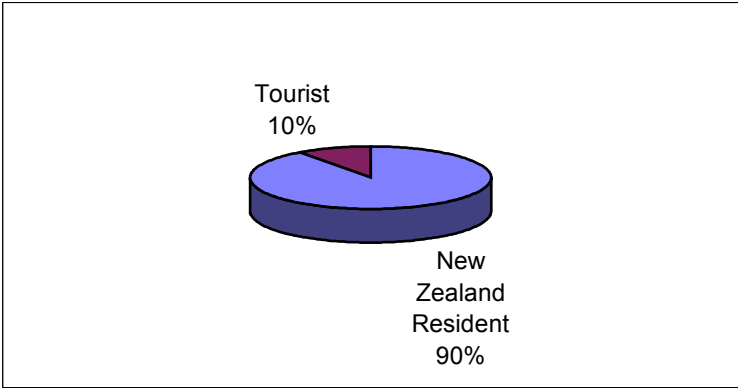


MALE

Age Unknown	120
0 to 9	44
10 to 19	131
20 to 29	276
30 to 39	200
40 to 49	162
50 to 59	108
60 to 69	46
70 to 79	24
80 to 89	17
90 to 99	2
TOTAL MALES	1131
COMBINED TOTAL :	1483

Summary Report on % of Victims as Tourists

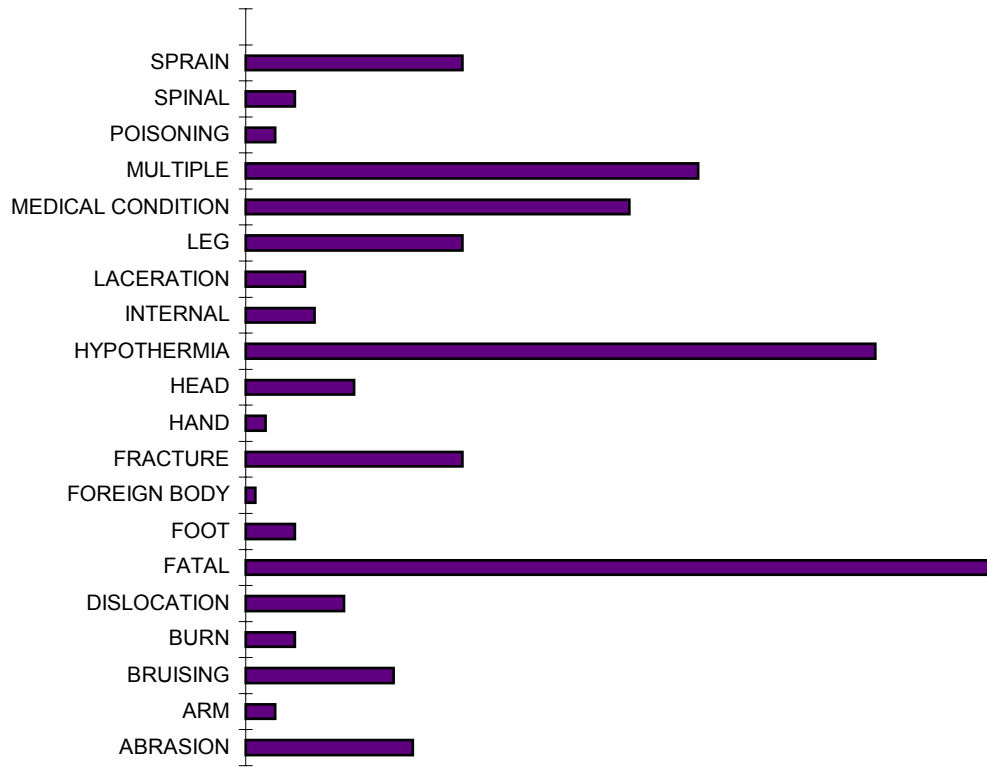
NZ Resident or Tourist?	TOTAL	% of
New Zealand Resident	1335	90%
Tourist	147	10%
Total	1483	



Injuries Sustained By Victims

Injury Type	Land	Water	total
ABRASION	7	10	17
ARM	3		3
BRUISING	14	1	15
BURN	3	2	5
DISLOCATION	8	2	10
FATAL	46	31	77
FOOT	4	1	5
FOREIGN BODY		1	1
FRACTURE	21	1	22
HAND	1	1	2
HEAD	9	2	11
HYPOTHERMIA	28	36	64
INTERNAL	6	1	7
LACERATION	5	1	6
LEG	22		22
MEDICAL CONDITION	37	2	39
MULTIPLE	41	5	46
POISONING	3		3
SPINAL	5		5
SPRAIN	22		22

Injury Types



Fatalities Report

LAND

Date	Gender	Age	Target Group	Problem Type	District Name
10/08/02	MALE	24	SOLO	SUICIDE	8/21 COLLINS AVENUE, LINDEN : WELLINGTON
18/08/02	MALE	87	SENIOR CITIZEN	RIVERS	SOMME PDE WHANGANUI RIVER, WANGANUI : CENTRAL
30/08/02	MALE	39	SOLO	SUICIDE	CROWNTHORPE HAWKES BAY : EASTERN
3/10/02	MALE	22	PRIVATE GROUP	OTHER	BUCKLER BURN BRIDGE, GLENORCHY : SOUTHERN
3/10/02	MALE	19	PRIVATE GROUP	OTHER	BUCKLER BURN BRIDGE, GLENORCHY : SOUTHERN
4/10/02	MALE	65	SOLO	NAVIGATIONAL	HUIA STATION, COUNTRY AREA RURAL GISBORNE : EASTERN
6/10/02	MALE	65	SOLO	SUICIDE	WHTEWASH HEAD, SUMNER : CANTERBURY
16/10/02	FEMALE	74	SENIOR CITIZEN	MEDICAL	GLENTUI RIVER GORGE, NORTH CANTERBURY : CANTERBURY
27/10/02	MALE	72	SENIOR CITIZEN	SUICIDE	HENDERSON CREEK AREA : NORTH SHORE/WAITAKERE
10/11/02	MALE	26	PRIVATE GROUP	AVALANCHE	LAKE RAMSEY, RAMSEY GLACIER : CANTERBURY
15/11/02	MALE	69	COMMERCIAL GROUP	OTHER	WHANGAEHU VALLEY ROAD, WANGANUI : CENTRAL
21/11/02	MALE	55	SOLO	SUICIDE	AUPUTA ROAD RANGIWHAHIA : CENTRAL
3/12/02	MALE	32	SOLO	SUICIDE	TE OHAKI ROAD, HUNTLY : WAIKATO
15/12/02	MALE	25	SOLO	OTHER	RUAHINE RANGES NEAR TAMAKI WEST ROAD : CENTRAL
17/12/02	MALE		PRIVATE GROUP	EQUIPMENT	FARMLAND NEAR TAONUJ AIRFIELD : CENTRAL
17/12/02	MALE		PRIVATE GROUP	EQUIPMENT	FARMLAND NEAR TAONUJ AIRFIELD : CENTRAL
17/12/02	MALE		PRIVATE GROUP	EQUIPMENT	FARMLAND NEAR TAONUJ AIRFIELD : CENTRAL

Date	Gender	Age	Target Group	Problem Type	District Name
18/12/02	MALE	53	SOLO	SUICIDE	WEST COAST ROAD, ORATIA, WEST AUCKLAND : NORTH SHORE/WAITAKERE
3/01/03	MALE	25	SOLO	OTHER	ROKAIWHANGA STREAM, RUAHINE RANGES : CENTRAL
8/01/03	MALE	56	OTHER	SUICIDE	10 CANNIBRA PLACE, WALDRONVILLE : SOUTHERN
24/01/03	MALE	18	SOLO	OTHER	BETHELLS BEACH : NORTH SHORE/WAITAKERE
26/01/03	FEMALE	26	SOLO	RIVERS	RANGATIKI RIVER, MURUPARA : BAY OF PLENTY
10/02/03	MALE	53	SOLO	SUICIDE	192 FOREST HILL ROAD, ORATIA : NORTH SHORE/WAITAKERE
22/02/03	FEMALE	43	SOLO	SUICIDE	TIKIPUNGA, WHANGAREI : NORTHLAND
23/02/03	MALE	27	PRIVATE GROUP	RIVERS	WAIKAIA RIVER : SOUTHERN
24/02/03	MALE	16	OTHER	OTHER	PAPAITI ROAD, WANGANUI : CENTRAL
8/03/03	MALE	22	PRIVATE GROUP	OTHER	MT ROLLESTON ARTHUR'S PASS : CANTERBURY
4/04/03	MALE	31	COMMERCIAL GROUP	EQUIPMENT	CENTRAL TARANAKI, STRATFORD : CENTRAL
4/04/03	MALE	29	COMMERCIAL GROUP	EQUIPMENT	CENTRAL TARANAKI, STRATFORD : CENTRAL
7/04/03	MALE	24	SOLO	MEDICAL	PAIKEA BAY, ANAWHATA : NORTH SHORE/WAITAKERE
11/04/03	MALE	26	SOLO	MEDICAL	TIHIA, TONGARIRO NATIONAL PARK : BAY OF PLENTY
20/04/03	MALE	47	PRIVATE GROUP	OTHER	FRANKS BIVVYENVIRONS, KAIMANAWA FOREST PARK : BAY OF PLENTY
30/04/03	FEMALE	28	SOLO	SUICIDE	EMERALD BAY, MT ASPIRING ROAD, WANAKA : SOUTHERN
5/05/03	MALE	29	SOLO	WEATHER	MT SHRIMPTON : SOUTHERN
6/06/03	FEMALE	35	COMMERCIAL GROUP	OTHER	3KM NE OF CHRISTCHURCH AIRPORT : CANTERBURY
6/06/03	FEMALE	53	COMMERCIAL GROUP	OTHER	3KM NE OF CHRISTCHURCH AIRPORT : CANTERBURY
6/06/03	MALE	37	COMMERCIAL GROUP	OTHER	3KM NE OF CHRISTCHURCH AIRPORT : CANTERBURY

Date	Gender	Age	Target Group	Problem Type	District Name
6/06/03	MALE	37	COMMERCIAL GROUP	OTHER	3KM NE OF CHRISTCHURCH AIRPORT : CANTERBURY
6/06/03	FEMALE	42	COMMERCIAL GROUP	OTHER	3KM NE OF CHRISTCHURCH AIRPORT : CANTERBURY
6/06/03	MALE	55	COMMERCIAL GROUP	OTHER	3KM NE OF CHRISTCHURCH AIRPORT : CANTERBURY
6/06/03	MALE	52	COMMERCIAL GROUP	OTHER	3KM NE OF CHRISTCHURCH AIRPORT : CANTERBURY
6/06/03	MALE	41	COMMERCIAL GROUP	OTHER	3KM NE OF CHRISTCHURCH AIRPORT : CANTERBURY
16/06/03	MALE	17	SOLO	SUICIDE	OKAINS BAY, BANKS PENINSULA : CANTERBURY
17/06/03	MALE	59	PRIVATE GROUP	MEDICAL	WHITBY FOREST, PORIRUA, WELLINGTON : WELLINGTON
17/06/03	MALE	41	OTHER	MEDICAL	LAKE DANIELS WALK TRACK, LEWIS PASS : TASMAN
21/06/03	FEMALE	65	SOLO	RIVERS	WAIOMU, THAMES COAST : WAIKATO

TOTAL LAND FATALITIES 46

FATALITIES WATER

Date	Gender	Age	Target Group	Problem Type	District Name
19/07/02	MALE	54	SOLO	OTHER	PATITI ISLAND, LAKE ROTOMAHANA : BAY OF PLENTY
14/08/02	MALE	68	PRIVATE GROUP	OTHER	WHAREONGAONGA, GISBORNE : EASTERN
14/08/02	MALE	55	PRIVATE GROUP	OTHER	WHAREONGAONGA, GISBORNE : EASTERN
17/08/02	MALE	44	SOLO	PERSON OVERBOARD	PORT LEVY, BANKS PENINSULA : CANTERBURY
28/08/02	FEMALE	60	SOLO	OTHER	WAIRAU DIVERSION : TASMAN
7/09/02	MALE	7	YOUTH GROUP	PERSON OVERBOARD	MANGAKHIA ROAD PARAKO : NORTHLAND
8/09/02	MALE	31	OTHER	OTHER	TASMAN BAY, NELSON : TASMAN
20/09/02	MALE	14	SOLO	OTHER	BARTONS LANE FORD, WAITI RIVER, WAKEFIELD : TASMAN
30/10/02	MALE	56	SOLO	OTHER	TAURANGA HARBOUR : BAY OF PLENTY
7/11/02	MALE	22	OTHER	SUICIDE	NEW BRIGHTON PIER : CANTERBURY
14/11/02	MALE	52	PRIVATE GROUP	PERSON OVERBOARD	5 MILES SOUTH & 3 MILES EAST OF CAPE CAMPBELL : TASMAN
22/11/02	MALE	14	SOLO	OTHER	AVON RIVER SOUTH OF PAGES ROAD BRIDGE, CHCH : CANTERBURY
1/12/02	MALE	43	PRIVATE GROUP	PERSON OVERBOARD	WHANGANUI RIVER, RANANA : CENTRAL
4/12/02	FEMALE	54	SOLO	SUICIDE	LAWYERS HEAD : SOUTHERN
6/12/02	MALE	50	RECREATIONAL CLUB	PERSON OVERBOARD	550 METRES NORTH EAST OF SOMES ISLAND, WELLINGTON : WELLINGTON
11/12/02	MALE	24	SOLO	PERSON OVERBOARD	SUMNER, PEGASUS BAY : CANTERBURY
28/12/02	MALE	18	PRIVATE GROUP	OTHER	500M OFF MATAKANA IS. TOWARDS KAREWA IS. : BAY OF PLENTY
28/12/02	MALE	73	PRIVATE GROUP	OTHER	500M OFF MATAKANA IS. TOWARDS KAREWA IS. : BAY OF PLENTY

10/01/03	MALE	35	SOLO	OTHER	FOVEAUX STRAIT, STIRLING POINT, BLUFF : SOUTHERN
18/01/03	MALE	28	SOLO	OTHER	KARITANE : SOUTHERN
11/02/03	MALE	63	PRIVATE GROUP	OTHER	TE AWAITI STATION, MARTINBOROUGH : WELLINGTON
19/02/03	MALE	61	PRIVATE GROUP	OTHER	LEASK BAY, HALMOON BAY, STEWART ISLAND : SOUTHERN
1/03/03	MALE		PRIVATE GROUP	OTHER	CASTLECLIFF, WANGANUI : CENTRAL
1/04/03	MALE	24	PRIVATE GROUP	OTHER	PIHA BEACH : NORTH SHORE/WAITAKERE
11/05/03	MALE	57	RECREATIONAL CLUB	MEDICAL	DAYS BAY : WELLINGTON
24/05/03	MALE	49	SOLO	OTHER	WAIMARINO RIVER MOUTH : BAY OF PLENTY
25/05/03	MALE	39	SOLO	MEDICAL	EASTERN SIDE OF WEST LEDGE, PALMER HEAD : WELLINGTON
31/05/03	MALE	29	SOLO	PERSON OVERBOARD	OPOTORU ESTUARY, RAGLAN : WAIKATO
2/06/03	MALE	59	PRIVATE GROUP	PERSON OVERBOARD	WAIMAKARIRI GORGE : CANTERBURY
3/06/03	MALE	59	SOLO	MEDICAL	WHAREPONGA BEACH, RUATORIA : EASTERN
3/06/03	MALE	59	SOLO	MEDICAL	WHAREPONGA BEACH, RUATORIA : EASTERN

TOTAL WATER FATALITIES 31

Resources Used During Operations - Land

Resource	# Of Personnel	Hours	Cost
ACCOMODATION/MESSING	0	0	\$6,665.37
COASTGUARD VESSELS	1	1	\$70.00
COMMERCIAL FIXED WING	6	9.5	\$1,900.00
COMMERCIAL HELICOPTER	198	318.7	\$318,700.00
MISCELLANOUS	0	0	\$3,339.80
NON POLICE	3048	19481.75	\$0.00
OTHER POLICE	1019	3325.3	\$88,685.75
POLICE HELICOPTOR	25	57	\$85,500.00
RNZAF FIXED WING	1	0.5	\$0.00
RNZAF HELICOPTER	21	40.75	\$0.00
SAR SQUAD	1259	6155.05	\$164,155.18
SPEC OTHER	32	84.25	\$0.00
TRANSPORT	0	0	\$1,570.00
LAND TOTAL:	5610	29473.8	\$670,586.10

Resources Used During Operations - Water

Resource	# Of Personnel	Hours	Cost
ACCOMODATION/MESSING	0	0	\$30.00
CIVILIAN VESSELS	93	115.8	\$8,106.00
COASTGUARD VESSELS	217	420.2	\$29,534.00
COMMERCIAL FIXED WING	22	52.75	\$10,550.00
COMMERCIAL HELICOPTER	76	85.1	\$85,100.00
COMMERCIAL VESSEL	51	62.75	\$6,275.00
MISCELLANOUS	0	0	\$1,409.37
NON POLICE	1934	3848.7	\$0.00
OTHER POLICE	1050	1982.7	\$52,878.61
POLICE HELICOPTOR	2	1.5	\$2,250.00
POLICE VESSELS	76	139.375	\$12.50
RNZAF FIXED WING	1	3	\$0.00
RNZAF HELICOPTER	1	1	\$0.00
SAR SQUAD	302	630.75	\$16,822.10
SPEC OTHER	36	54.75	\$0.00
TRANSPORT	0	0	\$1,100.00
WATER TOTAL:	3861	7398.375	\$214,067.58
GRAND TOTAL:	9471	36872.175	\$884,653.69

Operation Hours

LAND	2934.75
WATER	1083.60
TOTAL	4018.35

Rescued Vessels Value

Total Value Of Rescued Vessels: \$6,650,928.00

Victim Intentions Known?

Type	Total	Yes	No	Unknown	NA
LAND	833	452	184	111	86
WATER	650	267	156	154	73

Victim Equipment Satisfactory?

Type	Total	Yes	No	Unknown	NA
LAND	582	238	15	111	81
WATER	498	197	87	139	74

Weather Conditions

	LAND	WATER	TOTAL
EXTREME	18	16	34
FAIR	164	174	335
GOOD	295	227	522
POOR	100	78	178
Grand Total:	582	495	1088