

551.577.2. (931)

N.Z. Met. S. Misc. Pub. 110 (1983)

MINISTRY OF TRANSPORT

ISSN 0110—6937



NEW ZEALAND METEOROLOGICAL SERVICE

Rainfall Observations for 1983

STATIONS IN NEW ZEALAND, OUTLYING ISLANDS

MINISTRY OF TRANSPORT

ISSN 0110—6937



NEW ZEALAND METEOROLOGICAL SERVICE

Rainfall Observations for 1983

STATIONS IN NEW ZEALAND, OUTLYING ISLANDS

Copies obtainable from:

The Director,
N.Z. Meteorological Service,
P.O. Box 722,
WELLINGTON

and

Local Government Bookshop
Auckland
Hamilton
Wellington
Christchurch
Dunedin

Price: \$3.50c

STATION IDENTIFICATION

Climatological and rainfall stations in New Zealand are identified with an alphanumeric code which is constructed as follows

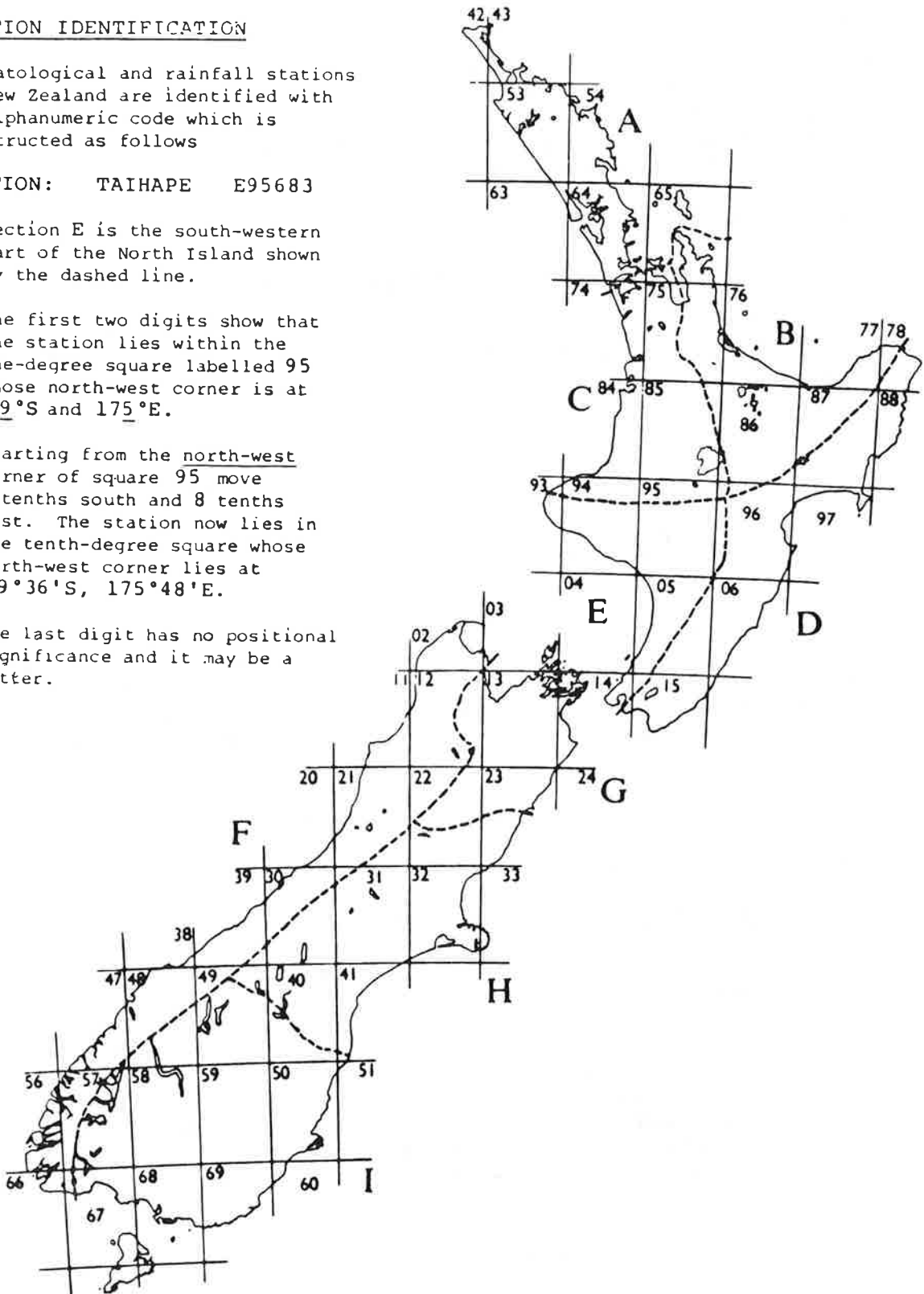
STATION: TAIHAPE E95683

E Section E is the south-western part of the North Island shown by the dashed line.

9) The first two digits show that
5) the station lies within the one-degree square labelled 95 whose north-west corner is at 39°S and 175°E .

6) Starting from the north-west
8) corner of square 95 move 6 tenths south and 8 tenths east. The station now lies in the tenth-degree square whose north-west corner lies at $39^{\circ}36'\text{S}$, $175^{\circ}48'\text{E}$.

3) The last digit has no positional significance and it may be a letter.



SUMMARY OF THE WEATHER DURING 1983

Pressures to the south of New Zealand were much lower than usual during January, March and September and strong west to southwest winds were unusually frequent. However, during April, June, July, October and November pressures were often higher than usual over and south of New Zealand and as a result easterly winds were frequent during these months.

Rainfall was below average over most of the North Island and in some eastern South Island areas. Napier recorded only 59% of its usual rain, establishing a new record for low rainfall. Over most of the South Island however, and about Wellington, rainfalls were above average, particularly about the central high country of the South Island. At Mt John and Alexandra rainfalls were about 150% of the average, making 1983 the wettest year on record at these places.

Eastern North Island areas experienced temperatures that were marginally warmer than usual but over the remainder of the country temperatures were approximately 0.5C below average.

Sunshine totals were below average almost everywhere, with most places recording between 85% and 95% of their usual sunshine. The only places to record more sun than usual were Rotorua and Christchurch, both of which received about 105% of their normal sunshine.

MONTHLY WEATHER SUMMARIES

January was a cool, dry month in most parts of New Zealand although it was wet in the south and west of the South Island. Northern areas had the highest frequency of southwesterly winds for January and the second highest for any month on record, while the south had the highest frequency of northwesterlies since 1964. Pressures were low, especially to the south. Most of the North Island was drier than usual, especially about Gisborne and Wellington which had less than 20% of normal rainfall. The north and east of the South Island were also dry, but the south and west had up to 300% of the average January rainfall. Extensive flooding occurred in parts of Central Otago during heavy rain between the 9th and 15th. Temperatures were below normal by between 0.5C and 2C in the North Island and by 1C to 3C in the South Island, apart from Marlborough which was warmer than usual. The North Island and the north and east of the South Island were sunnier than usual.

February was cool and dry, and southwesterly winds were more frequent than usual over the whole country. Pressures were slightly higher than normal over New Zealand and the Tasman Sea, and lower than normal east of the Chatham Islands. Rainfall was below average for the whole country except Southland and coastal Otago which had average or slightly above average rainfall. The

rest of the South Island had 50% or less of normal rainfall, with parts of Nelson and Marlborough receiving no rain at all. The North Island was also very dry, with areas around East Cape and Gisborne recording less than 10% of average rainfall. Mean temperatures were between normal and 1C below normal over the whole country. Eastern, southern and central areas of the North Island, and Nelson had above average sunshine but the rest of the country was cloudier than usual.

March was mild and dry apart from in the south and west, where it was cool and wet. Southwesterlies were frequent in the north and northwesterlies were frequent in the south. Apart from Horowhenua, rainfall was below average over the North Island. In northern and eastern areas extremely dry conditions persisted for the fourth consecutive month. Eastern and northern areas of the South Island were drier than usual, while the rest of the South Island had up to 250% of the normal rainfall. Local flooding occurred in parts of Southland and Otago after heavy rain on the 9th and 10th. Temperatures were between normal and 2C above normal, apart from the south and west of the South Island which were 1C to 2C cooler than usual. Sunshine hours were generally above normal apart from in some central North Island, and southern and western South Island areas.

April was a generally cloudy, wet month. Southwesterly winds were less frequent than usual and pressures were high, especially in eastern areas. Rainfall was above average over the whole country except in Fiordland, Southland, some central parts of the North island and Wairarapa, where rainfalls were between 70% and 90% of normal. Temperatures were about average everywhere except for some areas of Southland and Central Otago, which were 1C to 2C cooler than usual, and some eastern areas of the North Island which were 1C to 2C warmer than usual. Apart from Canterbury and parts of Otago and Southland, the whole country had less sunshine than usual in April. The Bay of Plenty-Coromandel area was particularly dull.

May was cool and windy. Southwesterly winds were more frequent than usual over the whole country and strong winds occurred more often than usual. Very persistent high winds in the Cook Strait region between the 20th and 22nd severely disrupted inter-Island travel. May was drier than usual in the North Island, apart from in Wairarapa and some central areas, and in the north and east of the South Island. The rest of the South Island was wetter than usual. Flooding occurred in parts of Otago after heavy rain on the 17th and 18th. Mean Temperatures over the whole country were close to normal. Northern and eastern areas of both islands had average or above average sunshine while the rest of the country had less sun than usual. Southern and western areas of the South Island were particularly cloudy.

June was cloudy, with frequent strong winds and unusually

frequent northeasterlies. Rainfalls were above average in most places, especially in parts of the South Island high country, where more than twice the normal June rainfall was recorded. However some parts of central New Zealand were very dry. Temperatures were close to normal in most places, although some central and southern North Island areas were a little warmer than usual, and western South Island areas were cooler than usual. Apart from some western districts, and Wellington and Christchurch, June was cloudier than usual.

July had frequent southeasterly winds, producing more rain than usual over most of the South Island and in some eastern parts of the North Island. Very heavy rain, with return periods of over 50 years in many places, during the 8th, 9th and 10th led to extensive flooding in the Nelson and Marlborough areas. However, many other areas were very dry; Hamilton, Whakatane and Tauranga all had record, or near record, low rainfalls. Although some central and eastern areas recorded near average temperatures, most of the country was 0.5C to 1C cooler than usual. Two occurrences of sea-ice were reported, one on Lyttelton Harbour and the other on Aotea Lagoon (near Wellington). Sea-ice had previously been recorded on Lyttelton harbour in 1947 and was unprecedented in the twenty-three years since the formation of the Aotea Lagoon. The unusually frequent southeasterly winds produced cloudier than usual conditions in most eastern areas and very sunny conditions in the west. Record high sunshine totals were recorded at Auckland and Hamilton.

August was a mild, dry month and pressures over the country were higher than usual. The only areas to record more rain than usual were parts of the Manawatu and the west and south of the South Island. Tauranga, Napier and Kaikoura recorded less than 30% of their usual rain. Temperatures were generally close to, or a little above average, however there were some cold periods and heavy snowfalls closed roads for a time in the central North Island. August was a sunny month in the Waikato, Bay of Plenty and Taranaki districts as well as over much of the South Island. However, the remainder of the North Island, along with Southland and Otago, was cloudier than usual.

September was mild, cloudy and wet in most places, although eastern North Island areas remained very dry. It was also a very windy month and gales disrupted power supplies and air services on the 20th, 21st and 23rd. Several buildings were damaged and at least two people were injured as a result of being blown over. Both Napier and Gisborne recorded very low rainfalls, but most of the country received a good deal of rain; Timaru and Alexandra recorded more than three times their usual September rain. Temperatures over most of the country ranged between 0.5C and 1C above average but some inland and western areas of the South Island were around 0.5C cooler than usual. There were some heavy snowfalls over the South Island, resulting in serious avalanches in Fiordland and causing heavy lamb losses. Most parts of New

Zealand were cloudier than usual and both Ohakea and Dunedin had record low sunshine totals. Only a few eastern North Island areas and parts of Northland recorded more sun than usual.

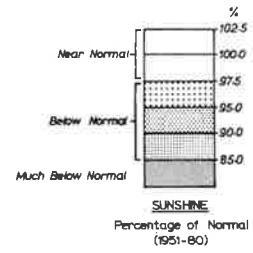
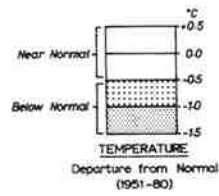
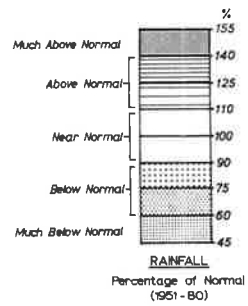
October was another cloudy, mild and wet month. Winds from the easterly quarter were much more frequent than usual, producing more cloud and rain than normal in eastern areas and therefore alleviating the drought in Hawkes Bay. The Bay of Plenty received two to three times its usual October rainfall - Rotorua recorded its highest ever rainfall (for any month) and Kawerau recorded its highest ever October rainfall. Heavy rain on the 21st gave the Nelson - Marlborough area its second major flood of 1983. However, overall rainfalls in coastal Marlborough and in Canterbury were only about half of the October average. Night-time temperatures were about average throughout the country and some inland North Island areas recorded mean daily minimum temperatures up to 2.5C above average. Day-time temperatures were above average in western areas but cooler than usual in the east. Parts of Westland recorded day-time temperatures up to 1.5C above average, while South Canterbury and Otago recorded mean daily maximum temperatures about 1.5C cooler than usual. A few places in Westland and Southland recorded sunshine totals that were about average but most of the country was cloudier than usual. Record or near record low sunshine totals were recorded at Gisborne, Paraparaumu, Blenheim and Wellington.

November was cloudy and cool in many eastern areas, but sunny and mild in western districts. Winds were much lighter than usual and easterlies were frequent. Rainfalls were below average almost everywhere with only Wellington and parts of Westland and the Southern Alps recording more rain than usual. Rainfalls at Whangarei, Auckland, Napier and Alexandra were among the lowest ever recorded at these places. Temperatures in the east of the North Island and in some inland parts of Canterbury were about 0.5C below average but the remainder of the country experienced temperatures at least 0.5C above average. The frequent east to southeast winds produced cloudier than usual conditions in eastern areas from East Cape to Kaikoura, and Gisborne recorded its cloudiest November since 1952. Western areas however were sunnier than usual, especially the West Coast of the South Island where Hokitika recorded almost 130% of its usual November sunshine.

December was cool and changeable with very high rainfalls in many places. Strong winds, especially southwesterlies, were more frequent than usual. Rainfalls varied widely - many areas in the northern half of the North Island, as well as Nelson and Invercargill, recorded their highest December rainfalls for many years, while much of the central North Island and some inland parts of the South Island recorded considerably less rain than usual. With the exception of Palmerston North which was slightly warmer than usual, temperatures over New Zealand were below average, by between 1C and 2C in inland South Island areas and by

up to 1C over the remainder of the country. Several hailstorms were reported during the month and hailstones the size of marbles damaged crops in the Marlborough and Whakatane areas on the 14th. It was cloudier than usual over much of the country although some parts of the Waikato, Taranaki and Canterbury were a little sunnier than usual.

DEPARTURE FROM NORMAL
1983



RAINFALL IN MILLIMETRES

STATION AND OBSERVER

NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

A SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
CAPE REINGA A42461 34 25S 172 41E MARINE DIVISION MOT	191	GR N001165506												891 106	1083	82	38	27	10	
PAUA BLK PARENGARENGA A42592 34 34S 172 54E N R DEMPSTER	55	GR N004383342												1017	1268	80	36	18	4	
NGATAKI CAPE VIEW A43921 34 42S 173 02E THE MANAGER	37	GR N004524184												1002	1243	81	50	18	4	
WAIHARARA A43921 34 57S 173 12E MRS S J MATIJEVICH	30	GR N006697889												1075	1209	89	52	8	6	
WAIHARARA A43922 34 56S 173 12E ICI NEW ZEALAND LTD	18	GR N006714905																		
RANGIPUTA A43931 34 54S 173 21E D A SCHAIFE	8	GR N007849957												998	1290	77	54	8	6	
MANGONUI A43951 34 59S 173 32E N O SECCOMBE	30	GR N007036840												1160 113	1447	80	84	8	6	
KAITAIA AIRPORT A53021 35 04S 173 17E N Z MET SERVICE	80	GR N010764700												1094 124	1429	77	53	26	4	
WAIAPAKAURI A53022 35 02S R BROWN	6	GR N009748795												1067	1291	83	58	8	6	
AUPOURI FOREST A53024 35 01S 173 12E N Z FOREST SERVICE	69	GR N006701813												1099 122	1197	92	59	8	6	
KAINGAROA NORTH A53031 35 03S 173 20E S K ATKINSON	30	GR N010839779												1130	1433	79	51	8	6	
MATAURI BAY A53081 35 02S 173 53E F C HOWS	183	GR N011395797												1468	1555	94	97	20	8	
AHIPARA A53111 35 10S 173 09E H A FINDLAY	5	GR N009667626												969 122	1213	80	36	19	4	
KAITAIA A53121 35 07S 173 16E D VINCENT	8	GR N010766692												1186	1377	86	65	26	4	
KAITAIA A53124 35 06S 173 15E B M TARLTON	8	GR N010696766												1117 125			65	26	4	
RANGITIHI SUB STN A53132 35 07S 173 20E N Z E D	37	GR N010842682													1578					
HONEYMOON VALLEY A53151 35 07S 173 30E D J NELSON	58	GR N010001678													1837					
KERIKERI M A F A53191 35 10S 173 55E M A F	79	GR N011436624												1589 115			125	8	6	
KERIKERI DOWNS A53192 35 10S 173 55E M A F	79	GR N011437623												1515 116			113	8	6	
HEREKINO A53222 35 16S 173 13E E ADAMS	34	GR N009731506												1249	1578	79	61	8	6	
BROADWOOD A53242 35 16S 173 24E N Z POST OFFICE	85	GR N010901516												1356	1841	74	66	26	4	
OMAHUTA A53253 35 13S 173 35E R J H CRAWFORD	30	GR N010098565												1419			87	6	12	
TAUS FALLS A53281 35 15S 173 49E G B MURRAY	308	GR N011324541												2065	2397	86	156	6	12	

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

A SECTION	HT METRES	NZMS 1 GRID REFERENCE				NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM												YEAR	NORMAL	% OF	MAX	D	M		
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC												
KERIKERI AERODROME A53293 35 16S 173 55E A N SILICH	150	GR N011422523				14	68	80	203	38	235	70	92	94	218	48	122	1282				107	8	6	
		2	8	6	14	15	15	9	9	11	14	6	10	119				119							
PUHATA A53321 35 18S 173 13E R MINOGUE	198	GR N013740463				65	44	43	207	97	163	88	90	126	142	54	119	1238				54	26	4	
		8	6	7	13			9			9		10	14	8			1238							
UMAWERA A53352 35 18S 173 34E MRS A V MACPHERSON	9	GR N014077478				43	66	42	145	69	167	85	73	128	150	55	97	1120	1526	73		54	8	6	
		10	9	5	13	12	19	7	10	13	14	4	11	127				127							
HOREKE A53362 35 21S 173 37E J BODY	20	GR N014128423				39	62	45	129	75	175	71	69	122	117	45	95	1044				63	8	6	
		8	7	4	11	14	19	6	7	14	13	5	10	118				118							
OPONONI A53442 35 29S 173 26E M B W DOVE	12	GR N014935242				60	18	37	129	98	171	85	87	92	142	64	157	1140	1467	78		57	8	6	
		7	4	4	14	15	18	12	12	11	16	10	13	136				136							
RAWENE A53453 35 24S 173 30E H R MAYO	15	GR N014017343				42	20	31	131	68	117	58	45	96	90	38	74	810				39	26	4	
		5	4	3		11	18	10	6	11	15	5	5				810								
KAIKOHE A53481 35 25S 173 49E GRASSLAND DIV D S I R	204	GR N015335327				35	88	66	162	52	258	114	71	112	202	40	179	1379	1766	78		112	8	6	
		5	6	7	14	12	21	8	8	11	17	6	11	126				126							
KAIKOHE A53483 35 24S 173 49E M W D	201	GR N015319356				38	81	67	176	61	242	89	78	122	214	40	146	1354				101	8	6	
		6	8	6														1354							
OPONONI/OMAPERE A53532 35 31S 173 23E HOKIANGA COUNTY COUNCIL	12	GR N014909201							172	103	179	105	85	98	143	52	150								
									13	16	22	14	16	13	18	8	13								
WAIOTEMARAMA A53541 35 31S 173 25E S J ASKEW	229	GR N018944189				67	18	50	196																
		10	4	7	15																				
WAIPOUA FOREST A53651 35 39S 173 33E N Z FOREST SERVICE	88	GR N018077044				60	35	52	177	141	242	147	82	114	146	35	153	1384	1657	84		63	9	7	
		9	9	11	13	19	19	15	13	15	18	8	12	161				161							
WAIMATENUI A53672 35 38S 173 44E MRS L J SCHEPENS	213	GR N019247076				38	119	55	181	129	330	118	117	174	223	40	175	1699	2049	83		95	8	6	
		7		8	15					20	12	13	13	14	5			1699							
PIIWIWI A53691 35 39S 173 59E A BRISCOE-MOORE	76	GR N019514051				39	50	70	129	84	210	82	92	96	221	42	100	1215	1596	76		105	22	10	
			5	6	13	14		9	9					5	10			1215							
PARAKAO A53791 35 43S 173 57E D W WILSON	55	GR N019469975				37	51	63	126	104	233	95	78	100	175	29	113	1204	1532	79		79	8	6	
		7		8		14		10					9					1204							
MAMARANUI A53881 35 52S 173 48E MRS S JENSEN	49	GR N023321793				61	63	38	137	92	211	78	65	82	153	12	99	1091	1336	82		71	8	6	
		9	5	7	13	14	20	12	11	11	14	3						1091							
DARGAVILLE A53981 35 56S 173 51E H V RAWLINGS	46	GR N023378707				90	50	38	130	86	177	67	79	84	148	16	98	1063	1296	82		51	8	6	
		10	5	10	12	13	21	9	12	12	16	4	14	138				138							
DARGAVILLE A53982 35 57S 173 50E M A F	20	GR N023358697				75	44	37	129	74	160	58	87	73	155	15	87	994	1249	80		51	8	6	
		9	5	7	12	13	18	9	11	9	15	2	11	121				121							
DARGAVILLE A53983 35 56S 173 53E N Z ELECTRICTY DEPT	14	GR N023398706				81	44	36	113	97*	172	56	74	89	145	16	102	1025	1266	81		35	8	6	
		9	4	7	13	13	20	9	11	13	17	4	12	132				132							
WAITANGI FOREST A54201 35 15S 174 04E N Z FOREST SERVICE	55	GR N011578532				14	57	72	198	29	208	83	135	141	273	57	75	1342	1495	90		85	8	6	
		3	6	5	13	6	16	6	9	11	15	6	6	102				102							
RUSSELL A54211 35 15S 174 08E M J GARDINER	2	GR N011627524				09	44	57	182	53	231	44	131	117	301	61	89	1319	1459	90		117	23	10	
		3	6	4	11	7	14	6	7				13	6	6			1319							
KAWAKAWA A54301 35 23S 174 04E BAY OF ISLANDS COUNTY C.	8	GR N015571382				18	49	66	198	38	171	95	95	108	234	77	111	1260	1622	78					
		4	5	5										7	11			1260							
PUHI-PUHI A54521 35 30S 174 16E NORTHLAND CATCH COMM	213	GR N016788232				34	111	92	207	51	312	106	118	120	334	45	282	1812	2072	87					
		4													8			1812							
MATAPOURI A54551 35 34S 174 30E MRS S D WILSON-STEWART	3	GR N020011163				18	46	78	150	31	164	59	109	97	260	86	67	1165	1403	83		72	23	10	
		3	5	7				8	15	7			11	16	6	7		1165							

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

A SECTION	HT METRES	GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		NZMS 1 JAN	GRID FEB	REFERENCE MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
HIKURANGI A54622 35 36S 174 17E HIKURANGI DAIRY CO	107	GR N020797115 21 94 66 187 35 280 94 92 89 221 38 149 1366 3 6												1751	78	97	6	12	
RUATANGATA NO 2 A54623 35 40S 174 13E R J COMRIE	152	GR N020727040 34 110 70 163 77 273 69 82 83 240 34 102 1337 8 8 12 14 16 9 11 10 19 4 12												1653	81	79	23	10	
GLENBERVIE FOREST A54631 35 39S 174 21E N Z FOREST SERVICE	107	GR N020857052 24 92 111 192 57 355 87 112 91 320 38 201 1680 6 7 11 14 13 19 8 10 11 16 7 12 134												1973	85	134	6	12	
WAIRUA FALLS A54701 35 46S 174 04E WILSONS PORTLAND CEMENT	15	GR N019583924 37 58 90 158 92 172 65 92 96 198 26 89 1173 6 7 7 15 17 19 10 8 13 18 8												1421	83	76	23	10	
TITOKI A54702 35 43S 174 04E D B DOUGLAS	28	GR N019572978 33 77 56 113 82 165 66 63 84 206 23 91 1059 4 7 7 11 12 16 8 10 16 4 12												1377	77	79	23	10	
MAUNGATAPERE A54721 35 45S 174 12E W J SUTTON	122	GR N020721929 35 106 59 99 64 191 50 69* 78 200* 41 80 1072 13 12												1682	64	75	23	10	
WHANGAREI AIRPORT A54733 35 46S 174 22E CIVIL AVIATION DIV MOT	37	GR N020877916 33 96 68 128 42 277 61 81 75 215 24 125 1225 6 6 10 11 12 19 8 9 9 12 6 9 117												1555	79	108	8	6	
WHANGAREI A54734 35 44S 174 18E WHANGAREI HOSPITAL BD.	29	GR N020814951 29 84 69 120 44 274 68 96 71 220 44 112 1231 6 6 11 11 13 21 8 11 11 15 6 9 128														93	23	10	
WHAU VALLEY DAM A54735 35 42S 174 18E WHANGAREI CITY CORP	152	GR N020807991 33 107 82 148 62 306 68 101 78 231 45 110 1371 6 7 11 16 15 18 10 12 10 16 7 13 141												1731	79	94	8	6	
BEASLEY RD A54753 35 44S 174 31E G D PALMER	55	GR N020037948 21 98 81 126 32 140 45 70 71 198 51 71 1004 6 9																	
TANGIHUA A54811 35 50S 174 07E D H KAY	84	GR N023633826 46 84 67 138 103 251 71 87 116 253 25 110 1351 7 7 7 14 15 20 9 12 15 5 12												1551	87	121	23	10	
MANGAPAI A54821 35 51S 174 17E R REID	64													1460					
MARSDEN POWER STN A54842 35 53S 174 28E N Z ELECTRICITY DEPT	3	GR N024983785 39 34 93 105 41 190 40 85 74 197 37 137 1072 4 6 10 15 13 22 7 8 12 13 8 10 128												1410	76	85	23	10	
ARAPOHUE A63091 36 00S 173 56E L D POWICK	61	GR N023462633 66 48 41 129 103 183 58 80 85 134 15 89 1031 9 7 7 12 12 20 10 12 10 20 4 14 137												1264	82	50	8	6	
WAIPU COVE A64051 36 02S 174 30E H W MOJE	61	GR N028022596 25 32 62 103 49 190 33 97 73 185 32 104 985 6 5 8 14 13 20 5 10 11 18 8 13 131												1368	72	59	23	10	
RUAWAI A64101 36 07S 174 01E C J BAKER	5	GR N027546494 66 27 41 103 53 143 40 61 81 183 51 122 971 5 11 8 9 3 8 15 4												1251	78				
CLAREN BRAE RUAWAI A64112 36 08S 174 07E W MC L SMITH	70	GR N027643476 61 29 47 98 79 190 64 67 74 199 18 148 1074 9 8 14 12 21 9 10 10 18 6 11												1239	87	63	23	10	
PAPAROA NO 2 A64123 36 06S 174 14E OTAMATEA CNTY COUNCIL	28	GR N028753508 59 26 51 103 79 235 68 67 78 188 22 131* 1107 10												1407	79				
MAUNGATUROTO MELFORD A64132 36 10S 174 22E N C DALEBROOK	17	GR N028892436 49 34 92 126 77 184 53 80 94 218* 23 187 1217 11 6 14 14 14 20 6 9 11 16 5 11 137												1495	81	90	23	10	
MANGAWHAI A64151 36 08S 174 34E A C DANSON	4	GR N028095484 27 35 65 115 61 124 37 88 66 161 37 100 916 6 5 8 11 13 20 5 8 11 14 8 9 118												1391	66	49	23	10	
POUTO A64212 36 17S 174 06E N Z F S	97	GR N032630230 66 17 45 132 80 159 50 63 100 212 25 106 1055 9 5 10 12 14 17 8 10 10 19 3 11 128														70	23	10	
PUKEHAU A64221 36 12S 174 15E R PERKINS	61	GR N028776382 54 19 48 116 65 125 50 73 58 166 19 112 905 10 4 9 13 14 24 9 12 14 3												1200	75	64	23	10	
TOPUNI A64241 36 13S 174 28E N W MCNEILLY	15	GR N028988374 43 41 84 109 78 189 60 67 65 172 25 227 1160 9 6 10 7 8 12 5 13												1436	81	86	6	12	

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER

NUMBER OF DAYS WITH RAINFALL >= 1.0 MM

A SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
PAKIRI SCHOOL A64271 36 16S 174 44E THE PRINCIPAL	6	GR N029240314 27 83 116 52 139* 49 74 106 203 64 216 2													1452					
LEIGH A64282 36 16S 174 48E UNIVERSITY OF AUCKLAND	27	GR N029309309 40 22 85 135 31 109 27 77 95 147 27 66 861 6 4 10 12 10 15 6 9 11 17 6 10 116													1230	70	38	23	10	
SOUTH HEAD #A64421 36 29S 174 14E NZ FOREST SERVICE	118	GR N033761042 93 10* 238 103 67 138 70 87 127 212 27 99 1271 12													1401	91	80	20	3	
SOUTH HEAD KAIPARA A64423 36 26S 174 14E M A WALLER	30	GR N033758107 40 10 61 106 58 113 65 52 117 152 19 86 879 5 2 13 12 18 8 8 11 4 8															43	23	10	
WARKWORTH A64461 36 24S 174 40E N Z POST OFFICE	15	GR N034182151 44* 33 103 136 90 184 68 72 122 252 45 237 1386 10													1616	86				
WARKWORTH A64462 36 24S 174 39E M W D	27	GR N034171159 51 32 106 143 77 193 74 76 124 236 48 227 1387 4 14 14 7													1697	82	101	6	12	
WARKWORTH A64463 36 26S 174 40E N Z POST OFFICE	72	GR N034109182 53 38 107 131 74 178 66 69 114 202 56 230 1318 10 4 12 14 13 20 7 10 13 20 6 13 142													1671	79	86	6	12	
BUCKLETONS BAY A64471 36 24S 174 45E J G BUCKLETON	61	GR N034261162 56 26 109 165 62 192 57 79 105 194 38 171 1254 9 4 15 13 12 22 6 8 16 19 7													1574	80	78	6	12	
MAIRETAHI A64531 36 33S 174 20E MRS J A HEDLEY	24	GR N037854955 65 15 71 122 75* 116* 69 77 123 153* 26 127 1039 8 2 15 12 9 8 15 13 6 9													1237	84	50	23	10	
OYSTER POINT A64542 36 34S 174 26E MR G JORDAN	0	GR N037957950 49 09 58 116 79 104 57 60 112 168 32 120 964 7 2 10 12 14 19 7 9 14 15 8 10 127													1223	79	48	23	10	
WAI PUIA A64632 36 36S 174 20E H HOVMAND	55	GR N037865913 55 10 69 140 104 119 58 62 106 142 30 118 1013 6 2 12 13 16 9 9 14 14 8 10													1046	97	43	23	10	
DAIRY FLAT A64662 36 41S 174 39E J THOMLINSON	55	GR N038175808 70* 30 73 153 89 135 60 61 121 232 42 194 1260 3 11 9													1456	87				
OKURA POINT A64672 36 41S 174 43E MRS E SORRILL	14	GR N038238818 56 28 80 144 77 120 45 53 104 189 29 140 1065 9 3 14 13 12 16 4 8 14 18 6 13 130													1323	80	60	23	10	
MANLY A64691 36 37S 174 45E R M HUNTINGTON	6	GR N038278873 46 17 73 126 82 103 47 72 101 153 30 137 987 11 3 11 11 13 16 4 9 10 17 6 13 124													1211	82	49	20	8	
ARMY BAY WHANGAPARAOA A64681 36 36S 174 49E S A HUNT	18	GR N038325906 117 74 90 51 48 90 136 24 125 11 12 17 6 9 15 16 8 14																		
TIRI TIRI LIGHTHOUSE A64691 36 36S 174 54E MARINE DIVISION MOT	70	GR N038411902 46 09 78 115 68 86 33 50 83 138 20 82 808 9 2 11 11 11 16 5 8 13 17 5 11 119													1082	75	41	13	3	
WOODHILL FOREST A64741 36 45S 174 26E N Z FOREST SERVICE	30	GR N037956727 65 21 62 140 71 133 65 73 113 172 41 100 1056 9 3 15 14 14 16 7 13 12 16 8 10 137													1341	79	50	23	10	
WAIMAUKU A64743 36 47S 174 29E T WILLOCK	24	GR N038101709 63 12 48 123 74 133 56 69 92 166 34 115 985 10 3 15 13 14 14 10 11 14 19 10 14													1387	71	47	23	10	
RIVERHEAD FOREST A64751 36 46S 174 35E N Z FOREST SERVICE	28	GR N038101709 73 15 55 122 86 151 58 49 113 199 38 175 1134 9 3 13 14 15 17 7 8 13 17 7 12 135													1458	78	65	23	10	
KUMEU A64754 36 47S 174 33E D.S.I.R.	32	GR N041074683 91 23 55 126 95 153 55 61 115 199 32 164 1169 9 3 15 15 16 16 6 7 13 16 7 10 133															63	23	10	
WHENUAPAI A64761 36 47S 174 38E N Z MET SERVICE	26	GR N042146676 64 24 46 119 73 139 44 53 113 181 38 194 1088 9 3 9 14 14 16 4 8 12 14 7 14 124													1388	78	69	23	10	
ALBANY A64772 36 45S 174 43E NORTH SHORE DRAINAGE BD	44	GR N038234726 63 32 55 130 66 145 43 63 116 176 41 185 1115 11 3 9 13 13 15 4 8 16 17 7 13 129													1380	81	53	23	10	
HENDERSON A64861 36 53S 174 38E A A CORBAN	14	GR N042152572 58* 24 47 133 72 159 75 65 107 189 38 165 1132 7													1467	77				

* ESTIMATED

RAINFALL IN MILLIMETRES -

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

A SECTION	HT METRES	NZMS 1 JAN	GRID FEB	REFERENCE MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	NORMAL	% OF	MAX	D	M
ALBERT PARK, AUCKLAND A64871 36 51S 174 46E CITY ENGINEERS DEPT.	49	52 8	46 3	54 8	115 11	70 12	140 17	41 5	54 7	98 13	175 15	46 7	162 13	1053 119	1289	82	44	6	12
AUCKLAND CITY A64878 36 51S 174 46E N Z MET SERVICE	45	48 7	37 4	48 5	104 11	57 11	118 19	36 4	46 4	75 10	150 13	45 8	137 11	901 107	1143	79	39	7	4
OWAIRAKA, AUCKLAND A64971 36 54S 174 44E PLANT DISEASES D S I R	41	56 9	36 3	46 6	117 14	66 11	166 16	42 6	48 9	111 13	179 18	40 7	169 12	1076 124	1371	78	48	9	6
ONEHUNGA #A64974 36 56S 174 47E ONEHUNGA BOROUGH COUNCIL	3	61 7	53 3	54 5	131 11	66 13	162 16	41 4	58 8	111 9	183 19	37 5	165 12	1122 112	1307	86	47	23	10
PORT FITZROY A65132 36 11S 175 22E N Z FOREST SERVICE	4	49 6	45 6	98 12	277 15	37 12	314 16	50 7	154 12	81 9	367 18	49 8	264 9	1785 130	1953	91	122	6	12
LITTLE BARRIER IS A65201 36 13S 175 03E DEPT OF INTERNAL AFFAIRS	2	56 7	49 5	80 11	201 14	28 9	115 13	63 6	92 12	76 7	245 18	46 7	183 7	1234	1524	81	80	6	12
GREAT BARRIER ID A65242 36 13S 175 29E R N Z N	79	44 5	71 5	95 10	241 15	46 9	146 16	31 4	109 7	92 7	297 19	39 5	132 9	1343 111			66	6	12
ROTOROA IS A65811 36 48S 175 11E SALVATION ARMY	30					36 9	64 15	26 3	79 6	101 10	127 14	37 6	100 11						
AWAROA VALLEY A65812 36 48S 175 06E M B WILCOX	30	68 6	60 4	80 10	183 14	49 10	109	26 5	98 7	134 12	153 18	60 6	152 11	1172			67	20	8
MANUKAU HEADS A74052 37 03S 174 32E AUCKLAND HARBOUR BOARD	244	36 8	31 6	38 9	118 12	38 9	133 15	52 6	51 11	71 10	198 15	25 4	196 11	987 116	1033	96	73	23	10
B SECTION																			
SANDY BAY B65541 36 32S 175 27E MOEHAU COMMUNITY	8	76*	67 6	122 9	282 15	85	184	33 3	125	177 12	359 18	61 5	162 10	1733	1845	94	75	6	12
KARUNA, WAIKAWAU BAY B65651 36 37S 175 30E MRS J PEARSALL	49	50 6	50 6	106 13	250 16	78 14	161	40 5	123 10	146 12	317 16	46 6	207 11	1574	1845	85	95	6	12
COROMANDEL B65741 36 45S 175 29E J WASHER	43	61 8	52 5	110 10	221 18	67 13	273 19	79 6	110 8	137 12	488 19	60 9	452 10	2110 137			201	6	12
COROMANDEL B65751 36 46S 175 30E N Z POST OFFICE	9	58*	51 5	4 6	193 10	55	246	53	94	115	392	57*	450*	1858	1908	97			
WHANGAPOUA FOREST B65761 36 46S 175 36E N Z FOREST SERVICE	4	68 7	52 5	93 11	309 17	84 13	190 18	39 6	125 10	160 13	349 21	69 9	209 11	1747 141	1903	92	109	6	12
CHILTERN B65851 36 49S 175 32E N L OGILVIE	67	73 8	83 6	102 10	226 18	109 12	312	78 5	123 9	144 14	469 20	52 8	459 13	2230	2161	103	193	6	12
WHITIANGA B65872 36 51S 175 42E THE PRINCIPAL	2	55 4	51 4	70 11	202	77	140	115	92	150	277	62	216 9	1507	1769	85			
TE PURU B75051 37 03S 175 31E S G HARRIS	2	54 6	43 5	68 9	129 11	71 13	165 13	44 4	62 10	117 13	222 15	35 6	194 10	1204 115	1357	89	65	4	12
TAIRUA B75082 37 00S 175 51E F HAZELDEN	6	64 9	73 4	71 9	320 17	84 13	112 16	47 5	127 10	163 12	339 19	56 8	189 7	1645 129	1900	87	108	6	12
THAMES B75152 37 08S 175 32E THAMES COROMANDEL D CNCL	3	48 8	42 5	67 9	131 14	68 14	118 13	34 4	60 9	105 13	162 14	55 7	127	1017	1268	80	52	3	12
KAUAERANGA FOREST B75162 37 07S 175 38E N Z FOREST SERVICE	53	65 13	39 9	101 15	150 23	109 18	175	50	75 20	87 20	178 21	79		2060					

* ESTIMATED

STATION AND OBSERVER				RAINFALL IN MILLIMETRES																
				NUMBER OF DAYS WITH RAINFALL > = 1.0 MM																
B SECTION	HT METRES	NZMS 1 JAN	GRID FEB	REFERENCE MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	NORMAL	% OF	MAX	D	M	
WAITOA B75662 37 36S 175 36E H D HIGHT	18	GR N057097707	43	34	46	138	58	91	28	66	79	200	37	60	880	1139	77	52	5	10
			4	6					2	6	9	13	5	9						
SHAFTESBURY B75681 37 37S 175 48E R M NELSON	55	GR N057289679	56	36	65	163	77	211	62	55	84	370	56	278	1513	1964	77	157	6	12
			10	4	10	15		13	2	9	12	15	9							
TAUWHARE B75741 37 45S 175 27E R J SATTRUP	46	GR N056950522	52	20	35	108	79	119	35	75	95	139	45	64	866	1204	72	44	20	8
			10	4	7	12		13	4		12	13	7	9						
KIWITAHU B75751 37 44S 175 34E A H RUSHTON	40	GR N057071548	60	22	34	136	64	92	37	87	127	214	27	73	973	1224	79	52	22	10
			10	4	9	11		11	3	7	13	15	7	11	115					
WAHAROA B75772 37 45S 175 46E ARTHUR YATES & CO LTD	60	GR N057267507									137	207	66	77						
											13	15	9	9						
DUNROBIN OKAUIA B75781 37 46S 175 51E R L GREEN	37	GR N066335488	49	22	48	151	74	133	43	69	120	272	51	127	1159	1492	78	66	7	12
			10	3	6	12		13	3	6	11	16	8	8	109					
TE ARIKI FALLS B75782 37 45S 175 53E MATAMATA BOROUGH COUNCIL	253	GR N057368516	58	34	88	217	70	310	97	109	145	519	72	446	2165	2300	94	198	7	12
			10	6	12	14		17	2	7	14	18		12						
POHATUROA B75861 37 48S 175 40E R C MCLEOD	91	GR N066160450	76	46	37	192	101	77	40	115	157	259	65	75	1240	1379	90	57	5	10
			4	5	13			7	3	9	11	17		5						
MATAMATA B75873 37 49S 175 46E F W THOMPSON	61	GR N066254437	70	29	31	175	95	88	38	85	149	279	72	79	1190	1341	89	63	8	4
			13	4	6	14		14	2	10	15	15	11	8	130					
OLD KAIMAI RD B75894 37 52S 175 56E BAY OF PLENTY CATCH BD	457	GR N066428379	108	50	100	286	147	300	90	147	207	620	122	334	2511			149	7	12
			12	4	14	18		15	3	10	15		9	11						
VALLEY VIEW B75895 37 50S 175 58E R G WALLINGFORD	280	GR N067466413	86	39	83	249*	142	223	65	146	204	477	124	326	2164			138	7	12
			10	5	11		15	15	4	11	14			12						
TE PUNA B76602 37 40S 176 04E B M PIPER	27	GR N058539605	36	38	81	223	58	75	27	60	76	293	96	243	1306	1477	88	129	7	12
			5	4	5		11	13	3	9	9		8							
TAURANGA B76611 37 41S 176 10E TAURANGA CITY COUNCIL	2	GR N058642604	39	31	86	205	44	104	23	39	66	244	47	206	1134	1362	83	90	7	12
			5	3	4	15		12	2	6	7	17	7	6	93					
TAURANGA AIRPORT B76621 37 40S 176 12E CIVIL AVIATION DIV MOT	4	GR N058675609	44	29	79	188	43	84	22	40	72	245	42	169	1057	1363	78	76	7	12
			4	2	5	15		12	3	7	9	17	6	6	96					
WHAKAMARAMA B76701 37 44S 176 00E B H PURCHAS	256	GR N058485536	94	31	96	324	121	199	41	95	154	526	128	428	2237	2186	102	215	7	12
			7	6	10	13		13	4	7	10		8	7						
HAIRINI B76716 37 44S 176 09E MRS F MAILMAN	30	GR N058638533	57	39	76	198	43	120							1486					
			7	5	4	13		9												
JOYCES RD LWR KAIMAIS B76717 37 47S 176 07E MT MAUNGANUI BOR CNCL	152	GR N067602469	53	41	66	224	89	156	46	110	128	423	94	283	1713	1754	98	170	7	12
			6	3	10	12		11	3	9	10	18	8	8						
MAKETU B76741 37 46S 176 27E MRS M A JOHNSTON	9	GR N068918497	46	21	55	163	43	59	19	48	61	206	48	160	929	1288	72	75	7	12
			3	2	4			10	2	6	16		5	8						
MCLAREN FALLS B76802 37 48S 176 02E L HODGE	122	GR N067520452	66	34	86	281	123	176	46	117	127	518	119	299	1992	2102	95	159	7	12
			10	5				15	3		12	21	11	9						
KOPUREREROA CATCHMENT B76812 37 51S 176 07E BAY OF PLENTY CATCH BD	274	GR N067594412	58	46			101	196	60	119	139	525*	74	219						
			9	4					3	10		21	7							
TE PUKE #B76832 37 48S 176 19E S G TAYLOR	61	GR N067787454	67	30	63	264	55	142	27	78	131	353	97	257	1564	1682	93	158	7	12
			6	3	4	14		11	3	6	10	17	8	8	101					
TE PUKE B76835 37 49S 176 19E PLANT DISEASES D S I R	91	GR N067792429	64	37	57	293	61	153	31	99	140	421	112	295	1763	1999	88	160	7	12
			7	3	3	17		12	3	7	10	19	8	8	110					
MANIATUTU B76842 37 51S 176 27E R BENNER	64	GR N068920390	53	27	44	250	41	104	33	75	110	282	96	219	1334	1490	90	127	7	12
			5	4	3	15		10	4	7	8	15	8	8						

* ESTIMATED

RAINFALL IN MILLIMETRES
NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

STATION AND OBSERVER

B SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
PIKOWAI B76861 37 52S 176 39E MRS R M BRADLEY	61	GR N068114366	66	24	54	228	48	118	35	75	96	291	79	234	1348	1459	92	120	7	12
TE RANGA B76921 37 54S 176 16E J MARK	335	GR N067743329	49	43	57	289	81	280	85	136	143	635	111	375	2284	2368	96	183	7	12
ROTOEHU FOREST B76951 37 54S 176 31E N Z FOREST SERVICE	72	GR N068970326	57	26	47	272	47	141	36	91	137	313	106	263	1536	1654	93	146	7	12
THORNTON B76981 37 56S 176 52E BAY PLENTY CAT COMM	3	GR N068311295	60	30	52	173	62	89	35	76	75	195	84	170	1101	1323	83			
KUHANUI #B76982 37 57S 176 51E H CHRISTIANSEN	4	GR N068290266	71	35	50	198	59	95	35	97	82	242	109	185	1258	1355	93	66	7	12
EDGE CUMBE B76983 37 58S 176 48E B T ORR	8	GR N068244238	47	22	41	211	53	86	36	101	114	273	101	192	1277	1467	87	92	7	12
EDGE CUMBE B76984 37 59S 176 50E RANGITAHI DAIRY CO	5	GR N68282230								96	96	234	83	173		1503				
WHAKATANE B76993 37 58S 176 57E WHAKATANE BOARD MILLS	2	GR N069407255	54	28	40	165										1321				
WHAKATANE AIRPORT B76994 37 55S 176 55E CIVIL AVIATION DIV MOT	6	GR N069362292	57	30	38	147	48	85	27	76	65	187	70	187	1017	1227	83	56	7	12
RAUKOKORE B77684 37 38S 177 53E K G BUTLER	4	GR N062304630	63	15	20	175	61	147	44	73	106	118	61	195	1078	1268	85	100	10	12
TE KAHA B77765 37 44S 177 40E D HERBERT	6	GR N061097502	63	16	13	187	38	134	78	85	97	161	54	249	1175			107	10	12
PORT OHOPE B77911 37 59S 177 07E K ENGLAND	9	GR N069545221	33	11	22	152	31	67	20	48	58	104	48	121	715			43	20	4
TORERE B77941 37 58S 177 29E A M HALL	27	GR N070912242	67	51	23	298	60	89	54	135	108	265	86	299	1535	1580	97	107	10	12
RUKU HANGA STN B78501 37 34S 178 01E F J KEMP	21	GR N062438708	56	19	19	232	88	191	47	94	156	97	76	224	1299	1537	85	116	10	12
LOTTIN POINT B78511 37 33S 178 10E B L WOOD	61	GR N062568716	46	21	14	253	96	234	42	85	146	109	68	185	1299	1630	80	105	10	12
MATARAU B78601 37 40S 178 05E MRS M STRACHAN	152	GR N062491581	80	22	29	385	116	385	89	161	322	245	158	447	2439	2448	100	160	10	12
LICHFIELD PUTARURU B85181 38 08S 175 50E P COX	198	GR N075314057	78	25	50	141	122	107	35	127	191	269	83	76	1304	1508	86	58	22	10
KINLEITH B85285 38 17S 175 53E N Z FOREST PRODUCTS LTD	383	GR N084372875	74	44	33	139	222	86	49	137	208	284	104	78	1458	1597	91	61	20	8
MAMAKU B86001 38 05S 176 05E N Z FOREST SERVICE	574	GR N076552099	85	31	68	207	156	193	95	131	198	445	81	116	1806	2128	85	83	9	7
DALBETH RD NGONGATAHA B86011 38 04S 176 10E B H WORSNOP	411	GR N076639124	62	37	56	149	140	226	95*	135	247	462	68	189	1866	1805	103	118	24	10
NGONGATAHA FISH TRAP B86013 38 05S 176 11E DEPT INTERNAL AFFAIRS	293	GR N076658102	60	32	63	213*	124	182	104	102	196	357			1790					
OKERE FALLS #B86033 38 01S 176 21E J H WRIGHT	297	GR N076812187	53	48	43	252	87	239	90	130	171	533	105	300	2051	2036	101	125	24	10
TIKITERE B86034 38 04S 176 21E M A F	338	GR N076812139	35	19	51	199	63	173	88	114	136	501	82	238	1699			122	24	10

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

B SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
TAUMANA B86053 38 03S 176 34E A T SHAW	335	GR N077016148 55 5												325*	2276					
MAHOETAHU MANAWAHE B86061 38 01S 176 37E MRS P J RENDALL	396	GR N077077198 62 43 50 345 92 319 80 182 174 615 164 357 2483 7 3 9 16 10 10 3 8 11 21 7 11 116													2475	100	140	7	12	
KAWERAU B86071 38 05S 176 43E TASMAN PULP AND PAPER CO	30	GR N077170112 34 35 51 170 69 119 104 473 114 317 2 2 6 11 3 6 11 20 6 11													1780					
AWAKERI B86082 38 03S 176 50E R L SAX	17	GR N077285151 30 36 39 170 41 109 40 96 84 287 67 196 1195 3 3 5 15 11 11 3 9 9 7 12													1435	83	74	7	12	
TE TEKO B86083 38 02S 176 49E TASMAN PULP AND PAPER CO	8	GR N077260158 38 44 46 182 51 117 51 116 100 286 71 206 1308 3 3 5 13 11 10 3 8 10 18 7 11 102													1586	82	82	7	12	
ROTORUA AIRPORT B86131 38 07S 176 19E N Z MET SERVICE	287	GR N076784076 37 21 38 151 64 126 76 83 132 346 53 141 1268 5 3 6 12 12 11 3 8 12 15 8 9 104													1491	85	95	24	10	
LAKE OKAREKA B86132 38 10S 176 21E CAPT J P TURNER	354	56 38 43 174 96 131 81 83 174 339 62 123 1400 7 4 10 12 14 13 3 8 14 19 9 11													1665	84	72	9	7	
MATAHINA POWER STN B86182 38 07S 176 49E N Z ELECTRICITY DEPT	15	GR N077262065 37 29 54 239 67 135 61 129 126 346 90 231 1544 3 4 6 16 13 12 3 8 11 19 11 12 118													1644	94	74	25	10	
LAKE REREWHAKAAITU B86242 38 16S 176 29E K WICKS	381	GR N086945877 37 33 29 139 56 140 85 68 119 307 33 96 1142 5 3 5 12 11 3 10 16 5															79	24	10	
ANIWHENUA B86271 38 17S 176 47E BAY OF PLENTY CATCH BD	158	GR N086234845 30 35 19 189 62 119 85 128 134 373 61 192 1427 5 5 4 15 12 13 4 8 11 17 7 13 114															84	24	10	
WAIHOAU B86282 38 13S 176 51E G FINLAY	91	GR N077289949 35 28 29 198 48 148 89 76 130 286 51 204 1322 6 3 4 15 9 10 4 6 11 17 5 11 101													1787	74	85	24	10	
NGAKURU B86312 38 22S 176 10E J H ELLISON	305	GR N085636764 50 39 26 129 111* 121* 55 81 117 281 43 50 1103 8 3 7 14 10 3 10 20 9													1321	83	69	25	10	
WAIOTAPU FOREST B86341 38 19S 176 25E N Z FOREST SERVICE	435	GR N085882829 42 35 26 175 74 105 66 74 146 331 43 73 1190 5 3 7 14 14 11 3 9 10 17 6 10 109													1439	83	75	24	10	
ROTOMAHANA B86342 38 18S 176 24E FARM MANAGER	442	GR N085853854 32 36 20 149 60 3 4													1423					
ROTOMAHANA RES STN B86343 38 18S 176 25E H CAULTON	381	GR N085883846 76 11																		
KOPURIKI B86381 38 20S 176 48E T E BLACK	152	GR N086243817 29 28 17 188 52 111 70 117 318 54 165 6 4 4 13 9 4 11 18 7 13													1414					
GRANT ROAD KOPURIKI B86382 38 21S 176 48E J L S GORDON	177	GR N086244777 27 27 18 181 53 94 56 98 129 331 55 137 1206 4 5 5 13 12 10 3 8 10 18 5 12 105													1332	91	64	29	10	
OPOKOTUARIRUA B86383 38 18S 176 50E BAY OF PLENTY CATCH COMM	427	GR N086271846 35 21 21 226 393* 83 193 5 3 5 14 12													1370					
OHAKURI POWER STN B86402 38 25S 176 05E N Z ELECTRICITY DEPT	295	GR N085564714 60 32 26 115 110 79 53 105* 146 215 45 52 1038 10 3 6 13 15 10 3 9 11 19 6 11 116													1356	77	46	9	7	
ATIAMURI POWER STN B86403 38 24S 176 01E N Z ELECTRICITY DEPT	253	GR N085499732 67 25 26 126 114 66 44 99 153 220 44 68 1052 10 3 5 12 14 12 2 10 11 20 6 8 113													1385	76	48	22	10	
MAROA #B86404 38 29S 176 02E S HILL	564	GR N094507598 78 27 32 121 127 95 65 139 176 278 85 106 1329 10 4 9 11 10 4 10 7 10													1635	81	65	20	8	
KAINGAROA FOREST B86451 38 24S 176 34E N Z FOREST SERVICE	544	GR N086013711 57 24 24 171 62 132 94 85 141 292 46 99 1227 7 4 4 13 11 12 3 9 10 20 8 10 111													1562	79	77	9	7	
MURUPARA B86471 38 27S 176 42E N Z FOREST SERVICE	198	GR N086141650 42 21 25 147 61 109 65 93 111 247 35 101 1057 7 4 4 11 13 9 3 8 11 17 7 13 107													1338	79	53	9	7	

* ESTIMATED

RAINFALL IN MILLIMETRES
NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

STATION AND OBSERVER

B SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
GALATEA B86481 38 25S 176 48E R W COVELL	189	GR N086235697												1115 105	1270	88	54	8	4
TAHORAKURI #B86522 38 34S 176 14E N Z FOREST PRODUCTS	332	GR N094701498												1049	1281	82	51	20	8
SYLVAN LODGE B86534 38 30S 176 20E J L SHEPHERD	286	GR N094795590												860			38	24	10
WAIRAPUKAO FOREST B86551 38 32S 176 34E N Z FOREST SERVICE	437	GR N095022559												1052 113	1415	74	62	9	7
WHAKAIPO B86582 38 34S 176 51E BAY OF PLENTY CATCH COMM	1037	GR N095288513													1397				
TAUPO B86602 38 41S 176 04E N Z ELECTRICITY DEPT	376	GR N094543386												916 110	1190	77	52	22	10
WAIRAKEI POWER STN B86611 38 38S 176 06E N Z ELECTRICITY DEPT	342	GR N094577449												944 113	1247	76	50	9	7
WAIRAKEI RESEARCH STN B86612 38 37S 176 07E M A F	402	GR N094582463												962 111	1233	78	50	20	8
TAUPIRI TRIG B86661 38 36S 176 39E BAY OF PLENTY CATCH COMM	714													122 12					
MINGINUI FOREST B86671 38 39S 176 44E N Z FOREST SERVICE	366	GR N095170425												1229 110	1523	81	49	25	10
TE WHAITI B86672 38 36S 176 46E T B SPENCE	396	GR N095212475												911	1295	70	41	4	10
TARAPOUNAMU B86681 38 37S 176 52E BAY OF PLENTY CATCH COMM	777													1489 13	1725	86	66	10	6
TAUPO AIRPORT B86702 38 45S 176 05E CIVIL AVIATION DIV MOT	407	GR N094556309												761 107	1070	71	42	20	8
RAINBOW POINT B86703 38 43S 176 05E W DEBONT	372	GR N094551336												808 105			43	20	8
WAIMIHIA FOREST B86821 38 50S 176 16E N Z FOREST SERVICE	743	GR N103732202												1427 141	1711	83	62	20	8
RANGITAIKI B86942 38 54S 176 25E I A SMITH	770	GR N103877122												1071	1328	81	55	25	10
WAINUI WHAKATANE B87001 38 02S 177 04E D REID	5	GR N078506169												1474 100	1581	93	89	9	12
OPOURIAO B87002 38 05S 177 00E S REID	17	GR N078437092												1520	1676	91	86	9	12
WAINGARARA STN B87003 38 03S 177 04E B PICKFORD	91	GR N078511134													1761				
OPOTIKI B87023 38 00S 177 17E OPOTIKI BOROUGH COUNCIL	6	GR N078712194												1201 101	1395	86	63	10	12
WAIMANA B87103 38 09S 177 05E D F BELL	37	GR N078515025												1642 111	1748	94	133	9	12
PAKIHI STN #B87142 38 07S 177 25E J HUDSON	76	GR N079845043												2456	2463	100			
MATAHI B87212 38 16S 177 07E THE PRINCIPAL	183	GR N087541883												2488	2171	115			

* ESTIMATED

RAINFALL IN MILLIMETRES
NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

STATION AND OBSERVER		HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
B SECTION			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
MOTU B87255 38 16S 177 33E MRS C F RICHARDSON		488	GR N088954858 28 25 33 320 215 133 80 165 303 296 99 275 1972 6 3 9 17 14 12 7 12 14 19 14 13 140												2116	93	77	10	12	
HUITIEKE B87302 38 22S 177 01E M W D WHAKATANE		274	GR N087447757 34 27 31 197 70 97 69 146 157 378 67 267 1540 5 5 4														88	9	12	
OGILVIES BRIDGE B87313 38 19S 177 07E BAY OF PLENTY CATCH COMM		143	GR N087551818 35 29 49 196 121* 95 78 208 225 536 86 400 2058 4 5 5												2178	94	163	9	12	
WAIRATA B87331 38 19S 177 20E M S REDPATH		213	GR N087747820 45 27 41 253 128 98* 82 152 197 327 81 228 1659 3 6 15 12 8 14 10 13												1961	85	100	21	10	
MATAWAI B87351 38 21S 177 32E N Z POST OFFICE		530	GR N088944757 18 27 17 301 119 178 82 152 186 271 63 229 1643 5 4 5												1925	85				
KORANGA STN B87431 38 25S 177 20E I HOPE		533	GR N087748687 44 35 31 277 140 133 117 161 205 295 90 290 1818 8 5 6 15 15 7 12 13 16												2008	91	79	10	12	
HUIARAU B87602 38 37S 177 03E BAY OF PLENTY CATCH COMM		1170	GR N096482442 78 40 45 286 331 156 205 172 195 434 169 315 2426 4 10												2634	92				
C SECTION																				
MANGERE, AUCKLAND #C64971 36 58S 174 47E AK METRO. DRAINAGE BOARD		4	GR N042296466 48 47 47 105 56 136 34 47 97 165 33 165 980 9 4 5 14 11 17 3 5 11 15 7 12 113												1259	78	42	23	10	
OTARA, AUCKLAND C64981 36 57S 174 52E NZ FERTILISER RES ASSN		12	GR N042389479 56 54 56 123 63 115 40 66 104 166 39 136 1018 9 3 8 13 12 15 2 8 12 15 7 11 115												1232	83	45	23	10	
PAKURANGA AUCKLAND C64983 36 54S 174 53E MRS F W MC COLL		30	GR N042399547 57 54 67 136 66 123 39 71 108 189 39 170 1119 3 8 13 14 16 4 7 11 17 7 13												1316	85	51	7	4	
AUCKLAND AIRPORT C74082 37 01S 174 48E N Z MET SERVICE		8	GR N042323406 36 37 44 113 60 122 36 50 80 155 28 146 907 9 4 6 14 12 16 3 7 12 15 5 12 115												1184	77	40	23	10	
ARDMORE C74091 37 02S 174 58E M W D		30	GR N047480385 53 39 56 131 66 120 44 77 110 150 28 151 1025 9 4 11 12 13 17 2 7 12 16 7 11 121												1343	76	54	20	8	
KINGSEAT C74182 37 08S 174 48E R FISHER		9	GR N047314267 87 36 61 124 99 131 42 61 96 144 26 107 1014 11 4 12 13 14 17 2 8 13 16 6 12 128												1310	77	41	7	4	
DRURY C74192 37 07S 174 59E E D HARGREAVES		30	GR N047493274 94* 30 58 152 77 106 49 70 92 152 30 140* 1050 3 7 13												1225	86	47	7	4	
WAIUKU C74261 37 16S 174 40E J P MAKGILL		119	GR N047193103 82 29 59 140 86 143 39 81 127 139 39 118 1082 12 3 13 15 14 17 5 9 15 18 6 14 141												1402	77	38	26	4	
PUKEKOHE C74282 37 12S 174 52E M A F		82	GR N047382174 70 23 52 136 105 125 42 75 107 152 46 102 1035 10 3 9 13 15 16 4 11 16 17 8 12 134														39	7	4	
PUKEKOHE C74293 37 13S 174 54E PUKEKOHE BOROUGH COUNCIL		67	GR N047422167 66 24 47 137 99 118 44 98 109 142 54 93 1031 11 3 9 13 16 4 9 17 16 8 13												1398	74	39	7	4	
MAIORO FOREST C74371 37 21S 174 43E N Z FOREST SERVICE		52	GR N051244006 53 24 39 120 79 103 24 53 85 90 30 69 769 11 5 10 13 14 18 4 7 11 13 6 9 121												1373	56	31	7	4	
ONEWHERO C74391 37 20S 174 57E MRS E C IRVING		46	GR N051461017 78 29 80 141 135 139 37 86 130 158 39 94 1146 11 5 12 12 18 5 12 19 17 6 13												1429	80	41	26	4	
GLENIFFER ONEWHERO C74392 37 21S 174 54E MRS M J HALLINAN		207	GR N051419999 94 33 77 147 171 139 44 85 114 172 52 122 1250 14 6 12 12 18 6 11 16 17 6 12												1611	78	45	7	4	
PUKEKAWA C74394 37 21S 174 58E T C MCCRAITH		152	GR N051483994 77 21 65 140 121 133 38 81 103 165 47 95 1086 12 4 10 14 16 16 6 10 18 16 5 11 138														34	26	4	
WAIMATAI TEKAU C74681 37 38S 174 52E R M T MCALPINE		61	GR N055393646 99 43 67 124 115 131 35 71 127 167 59 89 1127 15 4 11 12 16 15 5 9 17 19 9 10 142														41	5	10	

* ESTIMATED

RAINFALL IN MILLIMETRES
NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

STATION AND OBSERVER			NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM																	
C SECTION	HT METRES	NZMS 1 GRID REFERENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	NORMAL	% OF	MAX	D	M
KARIOI RAGLAN C74885 37 48S 174 51E R G JENKINS	12	GR N064383441				114	106	145	30	71	122	157	76	60						
						14		14	4	11	14	18	9	15						
NETTLETON TE MATA C74982 37 57S 174 52E C R BUCKERIDGE	15	GR N064393280	75	23	52	82	83	119	30	80	106	119	45	74	888	1447	61	39	20	8
			10	4	9	11	17	15	5	11	12	16	8	16	134					
HUNUA C75003 37 04S 175 04E A R A	122	GR N048584328	57	60	77	126	72	102	52	70	98	137	29	141	1021			38	9	7
			10	7	13	12	14	17	3	10	13	17	6	12	134					
MANGATAWHIRI C75211 37 12S 175 07E A H GOODRICH	122	GR N048644180	74	31	72	138	126	113		80	149	168	42	129		1400				
			12	4	9	13	15	19		8	16	15	5	10						
MIRANDA WAITAKARURU C75231 37 14S 175 21E HAURAKI.W.DRAINAGE COMM.	2	GR N048861145	62	30	63	153	96	121	38	92	134	168	32	127	1116	1223	91	57	20	8
			9	3	7	16		16	4	11	13	16	7	12						
WILLIAMS MAHUTA RD #C75232 37 18S 175 23E HAURAKI.W.DRAINAGE COMM.	24	GR N048883127	61	29	57	146	93	97	36	82	129	166	34	106	1036	1269	82	52	20	8
			13	5	7			16	6	12	13	17	9	15						
HOT SPRINGS MIRANDA C75233 37 12S 175 20E HAURAKI.W.DRAINAGE COMM.	0	GR N048841169	69	31		141	83	112	34	87	121	141	27	128						
			10	3		15		19	4	11	16	15	7	12						
POUARUA RD LAINGS #C75240 37 14S 175 25E HAURAKI.W.DRAINAGE COMM.	1	GR N048921147	49	31	58	144	101	96	28	79	125	183	29	133	1056			50	20	8
			11	3	12	15			4	11	15	15	7	14						
MARAMARUA FOREST C75321 37 18S 175 15E N Z FOREST SERVICE	38	GR N052761056	50	30	65	121	102	105	44	59	106	164	83	128	1057	1282	82	48	6	11
			10	4	10	11	15	17	4	8	14	15	7	13	128					
CAIES MARAMARUA 2 #C75332 37 18S 175 18E HAURAKI PLAINS WEST D/B	61	GR N052814056	57	35	71	149	112	127	52	90	120	186	31	148	1178	1369	86	49	20	8
			12	4	14	13	17	18	5	12	17	19	8	14	153					
CLARKS SOUTH ROAD #C75334 37 20S 175 23E HAURAKI.W.DRAINAGE COMM.	107		48	29	71	141	94	107	35	89	135	173	36	111	1069	1287	83	53	20	8
			11	4	16	15	18	19	5	13	15	17	7	11	151					
TE KAUWHATA C75412 37 25S 175 08E M A F	32	GR N052654929	63	33	42	123	94	81	34	78	92	111	31	63	845	1174	72	41	20	8
			12	3	9	13	16	15	3	8	15	14	4	10	122					
MATAHURU GORGE C75432 37 25S 175 22E J R MC GOVERN	168	GR N052866922	44	46	47	149	128	124*	51*	102	123	204*	27			1448				
				4	10			16	2	10	11									
HUNTLY C75510 37 32S 175 08E M O E	34	GR N056660767	58	45	42	126	71	101	29	71	87	127	45	73	875			38	20	8
			11	4	7	13	15	15	3	8	13	15	7	14	125					
HUNTLY #C75511 37 34S 175 10E E A FARRELL	13	GR N056671737	76	52	39	126	93	110	34	72	105	132	44	81	964	1303	74	38	20	8
			13	4	9	13	16	17	5	9	15	14	7	14	136					
ORINI C75531 37 33S 175 21E R JENNINGS	23	GR N056853757	51	37	38	108	72	104	31	68	85	125	28	75	822	1083	76	42	5	10
				4	8	13	14	15	1	10	13	13	5	12						
NGARUAWAHIA C75611 37 40S 175 09E RAGLAN COUNTY COUNCIL	20	GR N056655620	85	50	69	129	129	117	33	95	147	174	63	111	1202	1533	78	54	5	10
				4	11	14	15	17	4	12	19		8	16						
RIVER ROAD C75612 37 41S 175 11E J T ROE	30	GR N056696596	82	41	57	118	100	106	30	67	129	150	50	87	1017	1377	74	48	5	10
			11	4	8		15	17	4	10	13	13	8							
TAUPIRI C75621 37 36S 175 12E KAIREKA PARTNERSHIP	23	GR N056714696	80	49	45	129	108	97	35	83	148	169	62	89	1094			45	5	10
			13	4	10	13	17	17	5	10	16	14	9	14	142					
HORSHAM DOWNS C75722 37 42S 175 16E R G DAWSON	41	GR N056778578	64	46	50	122	83	97	31	76	101	140	44	67	921	1246	74	43	8	4
			9	3	10	12	13	15	3		12	15	8	11						
HAMILTON, ST ANDREWS C75723 37 46S 175 15E D TROOP	37	GR N056763503	69	24	31	142	79	91	32	68	122	151	48	89	946			36	20	8
			13	4	8		14	15	2	9	11	13	7							
OHOTE C75724 37 46S 175 13E WAIKATO VALLEY AUTHORITY	40	GR N065727486	79	27	61		96	93	30	69	144*									
			13	4	8		16	16	4	10	11									
RUAKURA, HAMILTON C75731 37 47S 175 19E M A F	40	GR N065821482	74	28	58	143	83	105	30	69	117	150	52	76	985	1236	80	39	20	8
			12	4	8	13	14	13	2	8	12	15	7	11	119					

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

C SECTION	HT METRES	GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M	
		NZMS 1 JAN	GRID FEB	REFERENCE MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
WHATAWHATA C75801 37 49S 175 05E M A F	104	GR N065603442	121	18	101	152	108	138	40	91	156	210	63	138	1336	1627	82	46	5	10
			16	3	11	14	16	18	3	11	14	16	7	13	142					
NGAHINAPOURI C75823 37 53S 175 14E L MCKAIN	37	GR N065746350	84	28	80	111	114	93	34	95	141	164	64	91	1099	1387	79	44	9	9
			12	3	9		15	15	4	10	13	14	7	11						
FRANKTON WEST C75824 37 48S 175 13E MRS M MORTIMER	61	GR N065721446	79	21	68	133	94	102	28	77	127	165	54	74	1022			50	5	10
			13	3		15			3	9	13	12	8							
RUKUHIA C75831 37 50S 175 18E M A F	66	GR N065808421	76	19	54	131	82	105	31	74	127	150	66	61	976	1252	78	36	26	4
			11	3	8	13	13	13	3	7	15	15	8	10	119					
HAMILTON AIRPORT C75832 37 52S 175 20E CIVIL AVIATION DIV MOT	50	GR N065837376	72	20	54	122	93	100	32	72	127	165	52	66	975	1233	79	41	22	10
			11	4	8	12	14	12	2	7	14	14	8	10	116					
HAUTAPU C75845 37 51S 175 27E WAIKATO VALLEY AUTHORITY	60	GR N065959381	65	25	49	100	78	100		47	124	173	41	62						
			11	4	9	13	16	21		12			9	12						
WHITEHALL CAMBRIDGE C75851 37 52S 175 34E MRS J E WOODALL	107	GR N066062368	53	33	41	142	71	102	29	88	134	211	57	74	1035	1281	81	48	20	8
			12	4				11	1	7	13	17	6	8						
MORRINSVILLE DAM C75853 37 48S 175 35E BOROUGH COUNCIL	137	GR N066082467	65	30	46	166	94	111	41	108	133	255	50	74	1173	1404	84	59	20	8
			14	5	9	13		12	4	7	12	16	7	8						
ROTO O RANGI C75941 37 59S 175 28E R B PEAKE	61	GR N065972237	68	19	47	106	94	98	27	76	128	154	34	61	912	1244	73	50	20	8
				3	8	10	15	10	3	8	14	13	6	10						
CAMBRIDGE C75944 37 54S 175 28E R W BARNABY	44	GR N065968336	70	22	47	110	75	100	37	90	123	167	67	58	966	1211	80	51	20	8
			11	2	8	12		10	2	9	13	17	8	8						
KARAPIO C75951 37 56S 175 32E N Z ELECTRICITY DEPT	63	GR N066036305	67	28	43	114	89	105	31	88	146	170	48	67	996	1243	80	37	20	8
			12	3	8	14	18	11	2	10	15	17	9	12	131					
CAMBRIDGE C75953 37 55S 175 30E N Z FOREST SERVICE	76	GR N065998312	74	25	44	102	80	114	26	77	147	157	46	56	948	1140	83	42	20	8
			13	3	8	11	15	11	1	8	13	15	8	9	115					
MAUNGATAUTARI C75954 37 59S 175 35E B T RAE	183	GR N066074225	84	25	41	120	91	94	32	88	166	203	89	67	1100	1374	80			
			10	3	8	9			2	7			10	7						
KAWHIA C84081 38 04S 174 49E N Z POST OFFICE	5	GR N073349131	94	32	21	174	99	111*	67*	121	136	134			1410					
PORT TAHAROA C84173 38 10S 174 42E N Z STEEL MINING LTD	27	GR N073240003	68	17	30	132	112	102	40	77	147	202	138	46	1111	1403	79			
								15												
OWHIRO C84181 38 09S 174 51E R LITTLEWORTH	27	GR N073389024	124	51	75	158	172	121	50	83	168	195	89	87	1373	1785	77			
			12		14			18	5	12			9							
MAROKOPA C84371 38 18S 174 44E THE PRINCIPAL	5	GR N082255839	91	22	83	136	108	108	56	79	161	118	79	94	1135	1534	74			
					14	12	17		6	11		19	9	14						
KIRITEA C84372 38 20S 174 44E MRS R D SHAW	30	GR N082261809	89	28	89	150	118	127	56	80	137	128	76	79	1157			35	2	4
			13	5	13		17	16	5	11		20	8	11						
DUMBRECK C84381 38 23S 174 53E M G NICHOLAS	366	GR N082419757	224	58	116	254	263	155	101	109	326	198	170	136	2110	2436	87			
						14			5	10			10	13						
CUMBRAE PPIOPIO C84481 38 25S 174 51E W R CALDWELL	152	GR N082384712	209	46	92	305	282	146	97	158	295	208	165	125	2128	2687	79	70	26	4
					13				5				9	15						
GLENOCHY C84582 38 32S 174 52E D MCFARLANE	213	GR N091391574	173	46	66	207	255	128	86	98	279	183	128	118	1767	2254	78	56	7	11
			16	4	11	13		13	6	12	16	21	9	15						
MAHOENUI C84583 38 33S 174 49E R J GASTON	91	GR N091353544	221	69	102	253	295	158	119	125	287	236	175	162	2202	2530	87	79	2	4
			16	7		13		14	7	10	21		9	13						
AWAKINO C84661 38 39S 174 38E N Z POST OFFICE	15	GR N091170416	107	33	91	210	148	61	60	84	145	118	129	80	1266	1876	67	70	2	4
			15	6	16	12		12	7	11		21	10	11						

* ESTIMATED

RAINFALL IN MILLIMETRES
NUMBER OF DAYS WITH RAINFALL >= 1.0 MM

STATION AND OBSERVER		NUMBER OF DAYS WITH RAINFALL >= 1.0 MM													YEAR	NORMAL	% OF	MAX	D	M	
C SECTION	HT METRES	NZMS 1 GRID REFERENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
MOHAKATINO STN MOKAU C84761 38 43S 174 37E DEPT OF LANDS AND SURVEY		46	GR N091158334	95	19	80	228	154	75	56	84	140	109	147	93	1280	1598	80	71	2	4
				13	2	13	11	16	10	7	10	15	21	10	11	139					
OHURA C84891 38 51S 174 59E N Z POST OFFICE		152	GR N100509190	141	36	91	241	276	92	61	122	248	215	180	90	1793	1894	95			
					2			14													
URUTI C84951 38 59S 174 34E P J G MILLER		104	GR N100110007	173	47	137	263	184	73	98	157	217	234	252	180	2015	2062	98	88	3	11
				13	8	14	12	12	12	6	13	17	23	8	18						
TATU C84991 38 57S 174 57E J M FISHER		183	GR N100472049	132	34	87	206	213	81	65	98	207	221	151	72	1567	1958	80	51	26	4
					3		13	13	8	6	9	17	22	10	10						
NGUTUNUI C85003 38 04S 175 05E H D JONES		305	GR N074603122	135	52	110	166	226	201	87	125	190	353	74	238	1957	2266	86	70	9	7
					6	13		18	15	4	12	20	21	9	15						
MT PIRONGIA MAKEOKEO C85012 38 02S 175 08E TE AWAMUTU BOROUGH CNL		219	GR N074663170	175	33	68	207	255	148	79	145	234	326	116	222	2008	2364	85			
					4	10		18	16		11	16		11							
TE AWAMUTU C85033 38 00S 175 20E R J BENT		53	GR N065843209	86	24	52	113	92	107	30	99	131	158	59	65	1016			60	22	10
				12	2	8	13	16	10	2	10	13	12	7	10	115					
ARAPUNI POWER STN C85061 38 04S 175 39E N Z ELECTRICITY DEPT		123	GR N075137126	70	20	44	130	110	90	29	96	160	223	56	64	1092	1460	75	56	20	8
				9	4	8	14	14	14	1	10	12	18	7	10	121					
GLENBROOK #C85124 38 10S 175 12E D CLARK		40	GR N074707021	102	50	69	144	158	99	40	83	122	169	49	115	1200	1480	81	42	29	5
				14	3	7	13	13	12	4	11	13	18	7	12	127					
WAIKERIA C85132 38 05S 175 23E JUSTICE DEPARTMENT		46	GR N074893103	86	12	51	104	125	107	25	76	116	139	56	50	947			38	22	10
				12	3	7	11	13	11	1	8	12	16	8	7	109					
WAITOMO CAVES C85213 38 16S 175 06E WATER TREATMENT OFFICER		91	GR N083618894	108	22	51	177	211	135	59	105	210	197	71	114	1460	1763	83	56	26	4
				12	3	8	14	15	14	4	10	14	21	10	12	137					
OTOROHANGA #C85222 38 13S 175 14E N SMITH		37	GR N074745950	66	44	36	150	161	103	34	82	162	160	53	105	1156	1341	86	45	22	10
				11	3	7	11	15	12	3	9	15	20	8	10	124					
TE KUITI C85314 38 20S 175 09E WAITOMO ELECT POWER BD		61	GR N083668808	103	22	41	131	162	132	52	77	155	183	59	108	1225	1547	79	46	26	4
				12	4	10	12	18	15	5	9	14	17	8	13	137					
RANGITOTO C85331 38 20S 175 23E H P WESTMACOTT		320	GR N083913799	124	27	55	209	208	151	51	138	197	278	119	107	1664	1801	92			
				15		10	12	12	12	2	10	13	21	10							
WAIKAPA POWER STN C85361 38 18S 175 41E N Z ELECTRICITY DEPT		192	GR N084178857	89	42	31	147	174	86	45	135	218	229	74	96	1366	1624	84	65	20	8
				14	4	6	20	17	12	3	12	12	12	6	11						
MARAETAI C85372 38 21S 175 45E N Z ELECTRICITY DEPT		198	GR N084236783	71	34	32	144	162	117	47	139	204	313	63	96	1422	1468	97	74	20	8
				10	4	4	13	15	10	5	10	11	24	7	10	123					
WHAKAMARU C85481 38 25S 175 48E N Z ELECTRICITY DEPT		231	GR N084286704	65	21	18	109	105	88	38	107	171	211	56	66	1055	1343	79	53	20	8
				9	5	5	12	12	10	4	12	12	19	7	9	116					
PUNAWAI ARIA C85501 38 35S 175 00E R GREENHAUGH		107	GR N091514505	90	36	74	147	195	105	42	100	176	135	103	80	1283	1588	81			
							10	8		1		12	18								
WAIKARE C85502 38 32S 175 00E WAITOMO ELECT. POWER BD		122	GR N091531564	94	20	53	156	200	124	59	77	189	142	94	80	1288	1625	79	44	26	4
				13	4	12	14	17	13	6	13	14	18	9	13	146					
TAPUWAE C85531 38 33S 175 21E MRS N F TAPLIN		488	GR N092863531	95	33	68	162	196	133	52	102	216	162	120	125	1464	1784	82	51	26	4
				12	5	12	15	18	13	4	11	14	20	10	11	145					
PUREORA FOREST C85551 38 31S 175 33E N Z FOREST SERVICE		549	GR N093052585	162	47	51	125	161	169	73	94	182	233	98	137	1532	1844	83	59	9	7
				17	7	14	14	18	17	4	13	17	20	9	14	164					
KINLOCH STATION C85691 38 39S 175 57E M PEARCE		381	GR N093423431	25	10	04	105	82	77	38	79	128	207	51	58	864	1140	76	63	22	10
				8	2	2				3	4			7							
ONGARUE C85711 38 45S 175 11E N Z ELECTRICITY DEPT		229	GR N092697306	126	40	64	190	194	106	43	74	169	128	86	100	1320	1535	86	66	2	4
				16	4	12	12	14	14	4	8	15	18	9	11	137					

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL > = 1.0 MM

C SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
MANGAKAHU VALLEY C85742 38 44S 175 24E I KELLAS	397	GR N092907312 126 71 65 151 169 126 55 93 204 159 94 122 1435 13 8 13 13 14 16 6 11 18 18 13 11 154															51	20	8
TAUMARUNUI C85821 38 52S 175 16E TAUMARUNUI BOR.COUNCIL	171	GR N101773136 94 22 49 172 167 115 43 87 171 111 120 82 1233 14 4 11 11 14 15 4 12 14 19 11 10 139												1460	84		57	2	4
NGAPUKE C85842 38 51S 175 26E W M THORNBURROW	311	GR N101939168 77 42 46 141 160 97 33 70 140 140 67 65 1078 12 5 11 8 13 11 4 10 15 15 10 12 12												1323	81		63	2	4
KURATAU C85872 38 53S 175 44E KING COUNTRY POWER BD	422	GR N102222145 54 44 33 107 125 108 46 82 133 221 83 108 1144 10 4 9 13 14 14 3 11 15 19 9 11 132												1367	84		45	10	6
TOKIRIMA C85901 38 56S 175 00E MRS P C OLD	152	GR N100537072 113 33 90 195 177 88 55 73 170 175 135 84 1388 12 3 11 12 16 12 5 13 16 20 10 14 144															52	26	4
OWHANGO C85933 38 59S 175 23E R C M BENNETT	457	GR N101883016 139 59 76 181 191 132 35 113 182 146 133 93 1480 16 6 14 11 14 13 5 10 16 19 11 12 147												1632	91		50	26	4
PUKAWA C85973 38 55S 175 44E J K DONALD	510	GR N102229099 58 28 38 108 120 104 46 81 133 215 114 93 1138 9 4 11 11 16 8 4 9 15 19 9 10 125															50	22	10
HINEMAIAIA DAM C86801 38 53S 176 05E TAUPO BOROUGH COUNCIL	488	GR N103560130 80 21 26 113 142 60 43 116 172 219 107 104 1203 12 2 7 14 14 7 3 7 14 20 8 9 117												1462	82		56	20	8
PUKEITI C93292 39 12S 173 59E RHODODENDRON TRUST	366	GR N108564742 245 57 166 473 359 143 201 268 404 367 366 315 3364 18 8 15 14 21 18 10 16 22 21 13 17 193												3277	103		123	9	7
OMATA C94002 39 05S 174 00E IVON WATKINS DOW LTD	61	GR N108585878 123 22 96 155 113 71 82 204 157 85 152 11 4 12 11 17 10 4 17 19 9 14												1514					
NEW PLYMOUTH C94003 39 04S 174 05E CITY COUNCIL	55	GR N109658903 141 22 95 176 154 92 87 119 208 172 108 144 1518 11 3 13 12 19 13 8 15 17 20 9 13 153												1614	94		57	9	7
NEW PLYMOUTH AIRPORT C94011 39 01S 174 11E N Z MET SERVICE	27	GR N109751977 118 15 57 130 122 94 61 75 186 152 101 119 1230 10 2 8 12 17 13 7 10 15 18 8 12 132												1514	81		52	14	9
WAITARA C94021 39 00S 174 14E G COSTER	6	GR N109795999 101 16 55 124 128 113 52 75 173 129 73 124 1163 14 2 12 14 14 14 6 12 15 16 9 14												1398	83		62	14	9
LEPPERTON C94024 39 04S 174 12E G LEPPER	77	GR N109774913 158 14 94 186 130 106 85 109 179 150 124 145 1480 11 11 12 15 12 8 15 16 16 16												1885	79				
TIKORANGI C94025 39 02S 174 17E D G RAPER	77	GR N109854952 126 23 81 184 16 4 11 13																	
CARRINGTON RD #C94103 39 07S 174 05E D J BLYTH	114	GR N109663847 163 47 123 209 154 97 86 145 250 193 159 176 1802 15 6 12 15 14 13 8 15 20 20 10															61	12	1
LAKE MANGAMAHOE C94113 39 08S 174 07E R G GIBSON	152	GR N109693836 154 39 107 221 161 90 99 153 249 230 191 169 1863 10 5 12 12 15 13 9 14 17 18 10 12 147												1963	95		62	20	8
INGLEWOOD C94122 39 09S 174 12E A J SMITH	189	GR N109779807 207 45 108 288 224 118 117 203 271 251 267 207 2306 16 4 9 13 16 16 7 16 16 16 9 12 218												2272	101		82	3	11
TARATA C94131 39 10S 174 22E D PATERSON	94	GR N109927798 151 21 73 203 121 88 69 103 206 155 146 133 1469 2 6 12 12 8 6 8												1944	76				
PURANGI C94151 39 09S 174 31E MRS M WEBB	206	GR N109061820 179 39 97 258 212 85 101 130 261 226 196 181 1965 5 9 11 11 7 13 18 20 11 13												2190	90		62	16	12
NORTH EGMONT C94202 39 16S 174 05E DEPT OF LANDS AND SURVEY	955	GR N119675659 451 106 231 960 834 365 497 590 782 800 777 610 7003 18 7 15 16 23 20 17 19 28 23 15 17 218															241	9	7
TARIKI HYDRO C94222 39 13S 174 16E TARIKI ELECTRIC P.B.	235	GR N109838725 171 38 82 282 217 118 132 177 276 248 283 203 2227 14 3 8 13 17 18 10 14 15 16 10 11 149												2485	90		81	7	11
TE WERA FOREST C94262 39 14S 174 36E N Z FOREST SERVICE	180	GR N110149718 132 34 68 179 175 68 77 115 236 175 166 143 1568 15 2 8 12 17 12 8 13 16 15 11 13 142												1846	85		54	7	11

RAINFALL IN MILLIMETRES

STATION AND OBSERVER

NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

C SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M		
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC								
KAITIEKE C95021 39 05S 175 16E W G COUPER	226	118	68	72	158	233	106	49	96	185	133	98	94	1410	1506	94					
LOWER RETARUKE C95022 39 04S 175 12E D N DEMPSEY	223	GR N111713908																			
		129	64	60	158	183	102	42	90	191	149	130	84	1382	1482	93	47	2	4		
		14	4	7	14	15	14	5	13	18	16	9	17	146							
TONGARIRO HATCHERY C95081 39 01S 175 49E INTERNAL AFFAIRS DEPT	411	GR N112295974																			
		126	36	50	247	169	152	72	150	206*	269	201	147	1825	1792	102	77	7	11		
		11	2					6		13											
RANGIPO C95082 39 05S 175 49E DEPT OF JUSTICE	518	GR N112298901																			
		76	21	40	224	132	151	86	183	242	225*	228		2097							
		12	3	9	15	13	11		11	17	10										
TURANGI C95085 39 00S 175 48E M W D	366	GR N102288001																			
		109	34	41	200	154	118	64	112	182	238	151	134	1537	1704	90	63	7	11		
		11	4	9	12	13	11	6	9	15	21	8	10	129							
TONGARIRO PRISON FARM C95086 39 02S 175 51E JUSTICE DEPARTMENT	457	GR N112338948																			
		89	22	38*				58	43	193	246	142	166		1654						
		7	3					5	12												
LOWER RETARUKE C95112 39 07S 175 07E I RUSLING	125	GR N111613862																			
		134	48	107	190	180	105	60	101	233	176	148	109	1591	1758	91	50	2	4		
		14	3	10	12	16	14	7	13	20	18	11	18	156							
CHATEAU, MT RUAPEHU C95152 39 11S 175 32E TONGARIRO PARK BOARD	1097	GR N112042760																			
		184	116		222	238	156	111	139	365	300	221	208								
			7		13	12	10	7	15	23	18	12									
DESERT ROAD TEAROOMS C95171 39 11S 175 45E M W D TAUMARUNUI	906	GR N112242764																			
		154	61	77	337	420	220	212	261	311	407	237	247	2944	2851	103					
WAIKUNE C95241 39 12S 175 24E JUSTICE DEPARTMENT	744	GR N111908742																			
			122	191	237	289	241					223	193	104	2374						
				22	18	20	15					16	8	8							
CHATEAU, MT RUAPEHU C95251 39 12S 175 32E NATIONAL PARK BOARD	1119	GR N112038755																			
			122												2913						
			7																		
WHAKAPAPA C95253 39 14S 175 33E NATIONAL PARKS BOARD	1750	GR N112057705																			
								83	276	638	474	413									
								4	16	25											
D SECTION																					
TE REHUNGA D05291 40 12S 175 58E M L CASWILL	305	GR N144440538																			
		124	75	65	123	255	165	62	106	205	152	78	124	1534	1604	96					
											15	13	17								
WAIKUNA WOODVILLE D05381 40 20S 175 50E J A BOLTON	67	GR N141148074																			
		76	59	56	113	135	118	48	89	148	116	67	112	1137	1308	87	38	8	11		
		10	7	10	14	16		11	12	17	11	9	17								
BALLANTRAE1 WOODVILLE D05383 40 18S 175 50E GRASSLANDS DIV D S I R	347	GR N149304413																			
		68	51	65	111	124								1191							
		9	6	10		14															
BALLANTRAE2 WOODVILLE D05384 40 19S 175 50E GRASSLANDS DIV D S I R	171	GR N149316404																			
		79	56	75	110	131	110	46	79	128	119	72	107	1112	1282	87	34	8	2		
		12	7	10	14	17	14	9	12	16	13	10	14	148							
MAKOMAKO D05471 40 28S 175 42E R W ALGIE	201	GR N149194219																			
		50	58	39	75	77	97	35	69	156	112	108	122	998	1727	58	31	4	11		
		7	6		10	11		8	9			8	9								
MAKAIRO D05493 40 24S 175 59E N R ELLINGHAM	200	GR N150451295																			
		60	61	44	102	176	111	47	62	131	103	49	93	1039	1138	91	45	20	5		
		11	5	9	14	17	17	8	8	17	10	6	11	133							
HUKANUI D05561 40 34S 175 39E J LAWRENCE	235	GR N153152078																			
		125	44	183	121	231	184	62	118	279	129	160	137	1773	1906	93	48	27	6		
		17	8	16	14	20	20	8	13	21	17	10	13	177							
MANGAMAIRE D05571 40 31S 175 45E N Z ELECTRICITY DEPT	152	GR N153233155																			
		50	26	32	61	86	71	30	58	102	72	75	64	727	1393	52	29	27	6		
		10	7	9	9	14		4			13	11	12								
PUTARA D05651 40 40S 175 34E J A DAVIDSON	299	GR N153056973																			
		186	74	290	213	415	225	107	216	411	262	334	195	2928	2740	107					
EASTRY STATION D05681 40 36S 175 51E W WHITE	146	GR N153323056																			
		54	31	76	90	182	93	42	72	147	91	64	74	1016	1213	84	31	8	11		
		13	5	11	15	15		9	11	15	13	8	9	140							

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER

NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

D SECTION	HT METRES	NZMS 1 GRID REFERENCE				MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR														
MT BRUCE D05751 40 45S 175 35E WAIRARAPA CATCHMENT BD	457	214	46	163	226	448	194	131	138	394*	195*	187*	170*	2506	2766	91			
MT BRUCE RES D05765 40 43S 175 38E INTERNAL AFFAIRS DEPT.	305	GR N153130908 133 51 129 17 6 12	129	418	160	103	127	350	121	142	154	2017	2349	86	71	5	5		
WAIRERE, IHURAU D05781 40 46S 175 51E J L DANIELL	262	GR N158326841 31 21 56 5 3 9	80	223	86	113	59	127	105	60	80	1041	1111	94	55	20	5		
KAITUNA NO2 D05855 40 53S 175 32E F DAVIDSON	213	GR N158037699 52 20 65 9 4 9	106	319	115	81	57	222	106	100	89	1332		61	5	5			
KOPUARANGA STATION D05861 40 48S 175 40E A B MCCALLUM	206	GR N158152806 74 39 80 15 4 9	122	296	83	92	65	208	109	65	96	1329	1329	100					
BAGSHOT STATION D05872 40 52S 175 46E H H MAWLEY	171	GR N158247723 13 26 45 6 3 7	76*	134	64	99	47	119	79	39	73	814	1117	73	39	20	5		
ROSEBANK, BIDEFORD D05881 40 51S 175 51E R ECCLES	122	GR N158323723 11 23 41 5 3 5	58	122	65	84	34	100	82	34	83	737	1053	70					
BIDEFORD MARINGI RD D05892 40 48S 175 55E R D HAGGER	298	GR N158391816 19 18 47 5 2 6	62	168*	79*	92	44	119	82	53	72	855	1156	74					
MT HOLDSWORTH LODGE D05944 40 54S 175 29E N Z F S	314	GR N157982683	175	363	217	191	121	321	199	160	186		2658						
WAINGAWA,MASTERTON D05964 40 59S 175 37E N Z ELECTRICITY DEPT	114	GR N162103596 22 29 57 6 4 6	69	170	62	89	40	169	72	59	107	945	980	96	41	20	5		
HANSELLS LTD D05969 40 56S 175 40E HANSELLS LTD	152	GR N158160653 12 38 52	62	168	69	75	46	117	78	43	99	859	941	91					
PURUNUI, BLAIRLOGIE D05991 40 55S 175 57E MRS V J GROVES	119	GR N158408673 12 24 39 3 3 6	82	146	94	89	34	89	98	46	67	820	1081	76	42	20	5		
APITI TRACK D06011 40 05S 176 07E MANAWATU C B	533	GR N145581680 127 72 73 7 9	159	269	177	71	60	164	246	76	83	1577	1882	84	60	14	10		
NGAMOKO #D06012 40 03S 176 10E B R THOMSEN	445	GR N145616717 106 75 66 13 7 8	174	280	180	75	62	161	217	73	85	1554	1875	83	60	4	10		
KOPIA D06022 40 05S 176 17E THE CISTERCIAN COMMUNITY	311	GR N145723687 37 40 30 9 4 4	98	140	107	62	30	97	148	32	60	881	1124	78	56	14	10		
MAHARAKEKE #D06041 40 02S 176 27E W L JENSEN	182	GR N145882746 18 24 11 3 4 4	87	71	106	42	12	51	110	31*	48	611	1050	58	45	14	10		
TANIWHA #D06042 40 00S 176 26E B E MABIN	168	GR N145867798 22 26 12 4 4 3	72	73	101	44	16	59	119	27	44	615	891	69	45	14	10		
ORUA WHARO TAKAPAU D06043 40 02S 176 24E E R SANDERS	210	GR N145834743 16 26 12 1 4 3	71	97	8	44*		64	121*				896						
WAIPUKURAU D06051 40 00S 176 32E WAIPUKURAU DIST CNL	137	GR N148965786 23 24 09 3 4 2	61	99	76	29	17	54	118	38	64	612	860	71	49	14	10		
WAIPUKURAU D06053 40 00S 176 33E C G FORBES	137	GR N146988781 19 27 10 2 5 2	65	129	79*	45	21	57	127	39	66	684	912	75					
WAIWHERO STN D06062 40 04S 176 39E B PATTISON	137	GR N146082691 27 31 21 5 6 4	98	186	108	104	41	46	131	49	81	923	1158	80	85	22	5		
ROTOWAI D06072 40 00S 176 42E D L KITTOV	168	GR N146127786 19 20 13 2 5 4	83	121	101	102	29	29	163	30	69	779	1033	75	59	14	10		
RUAROA D06101 40 11S 176 02E N Z ELECTRICITY DEPT	268	GR N145495553 117 71 60 14 9 9	125	244	132	60	77	209	144	60	99	1398	1554	90	38	4	10		

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

D SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
BYWELL STATION D06121 40 11S 176 17E THE MANAGER	402	GR N145733560												1063	1338	79	55	14	10
		43	33	38	100	171	149	92	34	116	165	54	68						
		7	5	5	12			12	7	11	12	9							
RED OAKS, FLEMINGTON D06142 40 10S 176 27E G W SIMMONS	174	GR N145882582												701	928	76	37	13	12
		21	27	40	80	109	91	42	24	61	102	27	77	701	928	76	37	13	12
			4	5	9	12	10	10	7	10	10	7	8						
ARAMOANA D06181 40 09S 176 50E S MCHARDY	27	GR N146245595												920	1130	81	35	16	6
		25	42	31	70	124	102	170	73	49	129	37	68	920	1130	81	35	16	6
		3	5	5	12	11	11	14	10	8	10	11	8	108					
KIRITAKI D06204 40 14S 176 00E M & G A CHARMLEY	216	GR N150463499												1169	1331	88	36	8	2
		105	70	37	109	198	104	50	67	141	117	84	87	1169	1331	88	36	8	2
		13	6		13	16			12	16									
DANNEVIRKE D06251 40 13S 176 07E N E COLLIER	207	GR N145567529												987	1098	90	36	20	5
		52	45	43	109	172	102	61	39	130	128	42	64	987	1098	90	36	20	5
		10	5	6	12	16	17	10	6	16	11	6	11	126					
WHARENUI WILDER SETT. D06321 40 15S 176 30E G W BALFOUR	122	GR N151938469												782	1021	77	36	14	10
		21	55	32	77	127	85	57	38	66	107	38	79*	782	1021	77	36	14	10
		3	5	6	12		10	10	7	10	10	5							
PORANGAHAU D06232 40 17S 176 39E H HAMILTON	8	GR N151076433												720			31	4	10
		21	31	22	101	89	88	90	55	42	87	34	60	720			31	4	10
		2	4	5	11	9	12	13	7	9	7	8	9	96					
GREENHILL FARM, MOTEA D06321 40 20S 176 15E MRS C G DUNCAN	354	GR N150691399												1037	1178	88	47	22	5
		54	64	37	109	186	126	71	42	115	114	40	79	1037	1178	88	47	22	5
		10								14	9		9						
WAITAHORA D06322 40 20S 176 12E R H BLYTH	250	GR N150663371												1194	1336	89	80	20	5
		56	75	40	118	237	162	69	43	118	117	60	99	1194	1336	89	80	20	5
		11	6	7	16	18	18	14	11	16	13	10	14	154					
GLEBELANDS, PORONGAHAU D06362 40 18S 176 38E R A LONGLEY	6	GR N151046410												773	1008	77	37	4	10
		22	34	32	111	96	100	78	48	47	94	41	70	773	1008	77	37	4	10
		3	5	6		9	12	11	8	10	11	10							
WOODBANK, HERBERTVILLE D06451 40 28S 176 33E R G SPEEDY	21	GR N151973216												1012	1251	81	47	20	5
		21	37	41	97	164	110	143	66	94	96	78	65	1012	1251	81	47	20	5
		3	5	7	14	11		14	9	10	11	9	11						
TAWADALE, WIMBLEDON D06452 40 24S 176 32E I LONGLEY	107	GR N151963291												1111	1378	81			
		23	30	48	149	167	128	150	74	93	101	68	80	1111	1378	81			
					13				8	9									
TATARAMOA MAKURI D06501 40 32S 176 00E D C MEURK	274	GR N154467128												1381	1622	85	44	20	5
		31	93	77	133	270	145	104	89	162	123	75	79	1381	1622	85	44	20	5
						11		18	11	19	15		11						
GREEN HOLLOW PONGAROA D06521 40 34S 176 14E G D MORGANS	107	GR N154672102												888	1111	80			
		31	23	47	114	143*	85*	75	39	105	92	53	81	888	1111	80			
		6	3	8	13			8	7	13	7	6	8						
WAIKAKAHI RD PONGAROA D06523 40 35S 176 14E K E RIDDELL	107	GR N154684076												731	870	84	36	4	10
		26	16	27	80	121	71	72	30	83	84	56	65	731	870	84	36	4	10
		5	4	6	12	11	8	11	8		9	7	8						
PUKEWHINAU D06524 40 30S 176 13E J P HAROLD	140	GR N154642168												936			67	6	5
		39	37	41	89	218	94	59	37	115	87	49	71	936			67	6	5
			4	9	14	16		11	10	17		9	8						
PUKETAWA STN D06603 40 41S 176 04E F J ATKINS	183	GR N154529952												1067	1297	82	51	20	5
		29	30	50	108	232	88	105	45	133	97	81	69	1067	1297	82	51	20	5
			4	8	15			13			11	9	12						
KIPIHANA ST MATAIKONA D06721 40 47S 176 14E THE MANAGER	18	GR N159676833												852	1284	66	49	19	5
		35	26	31	102	137	78	141	31	87	61	62	61	852	1284	66	49	19	5
		5	3	4		9	13	16	10	11	9	10	10						
MARANGAI STATION D06901 40 54S 176 00E THE MANAGER	98	GR N159464686												809	1063	76	48	20	5
		16	25	37	83	131	92	87	31	98	81	38	90	809	1063	76	48	20	5
			3	7	11	12	15	12	7	13	10	8	9						
TINUI DOWNS STATION D06902 40 54S 176 04E A C STANLEY	46	GR N159527685												876	1108	79	43	20	5
		15	27	47	74	133	120	121	31	111	80	41	76	876	1108	79	43	20	5
		4	3	6	11	10	14	12	6	13	10	7	7	103					
WAIAWA STN, WHAREOMA D08903 40 58S 178 03E I HORSBOROUGH	24	GR N159506654												803	1034	78	49	20	5
		14	28	39	85	133	118	85	30	103	73	37	78	803	1034	78	49	20	5
		3	2	5	11	9	14	13	6	13	10	8	7	101					
WAIERUA D06904 40 59S 176 05E MRS R A WILLIAMS	37	GR N163541587												836	1128	74			
		18	40	35	83	119	108	110	38	113	65	66	41	836	1128	74			
		4	2		12				9	12		8	7						
CASTLEPOINT D06921 40 54S 176 13E MARINE DIVISION MOT	3	GR N159668684												758	967	78	53	20	5
		14	30	42	39	132	59	117	34	102	70	49	70	758	967	78	53	20	5
		2	4	4	9	9	11	13	7	12	9	9	7	96					

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER

NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

D SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
BARING HEAD LIGHT D14481 41 25S 174 52E MARINE DIVISION MOT	79	GR N164426072												876 121	934	94	61	9	12
ORONGORONGO STATION D15041 41 25S 174 54E H E RIDDFORD	12	GR N164458061												1271	1125	113	87	9	12
WOODSIDE D15032 41 05S 175 23E MRS F RANDALL	82	GR N161888478												1446 151	1531	94	70	9	12
GREYTOWN D15041 41 05S 175 28E N Z POST OFFICE	57	GR N161965474												946	1122	84			
GREYTOWN D15043 41 05S 175 27E I WOODCOCK	57	GR N161956468																	
WAIRARAPA CADET FARM D15061 41 00S 175 38E THE PRINCIPAL	110	GR N162130565												864	857	101	83	21	5
GLADSTONE TE KOPI D15071 41 01S 175 42E H W J BUCHANAN	85	GR N162190542												859	915	94			
NGAUMU FOREST D15081 41 02S 175 53E N Z FOREST SERVICE	244	GR N162354522												982 112	1180	83	49	19	5
RIMUTAKA SUMMIT D15123 41 07S 175 14E M O W	561	GR N161753432												1411	2106	67			
FEATHERSTON D15131 41 07S 175 20E N Z POST OFFICE	46	GR N161840427												935	1294	72			
TAUHERENIKAU, ALLOA D15134 41 07S 175 23E J P DONALD	43	GR N161891424												1054 136	1113	95	69	9	12
KAHUTARA D15135 41 11S 175 20E B WILSON	9	GR N161861337												888			68	9	12
MARTINBOR. RIVERSIDE #D15142 41 11S 175 29E J G WALL	55	GR N161984354												768	836	92	43	9	12
THE DOWNS D15151 41 06S 175 33E M ASHBY	61	GR N162056443												909	895	102	41	14	12
GLADSTONE BANNOCKBURN D15161 41 06S 175 38E F T DAY	107	GR N162127448												884	942	94	45	20	5
LONGBUSH ERINGA STN D15162 41 10S 175 38E THE MANAGER	189	GR N162120357												1065 133	1100	97	52	21	5
WAIORONGOMAI D15211 41 16S 175 09E FARM MANAGER	21	GR N165678254												1640 149	1596	103	83	9	12
LAKEFIELD WAIRARAPA D15222 41 15S 175 14E P H SCOTT	2	GR N165258257												1124					
PUKIO FEATHERSTON D15233 41 15S 175 21E D G KELLY	12	GR N165872257																	
MAHAKI D15244 41 14S 175 25E T F WALL	24	GR N165925291												777 110	775	100	60	9	12
PURUATANGA MARTINBOR. D15251 41 14S 175 30E G J SMART	37	GR N165999292												851 115	818	104	43	9	12
WAINUIORU VY NGATAPA D15261 41 13S 175 41E P J BLUNDELL	122	GR N162168309												1133	1137	100	62	21	5
HIKAWERA D15262 41 16S 175 37E C B SPEEDY	305	GR N166105241												1174	1193	98			

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

D SECTION	HT METRES	GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M	
		NZMS 1	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV							DEC
WAIKOUKOU LONGBUSH D15263 41 12S 175 36E MRS D A GOWITH	122	GR N162098328	21	22	49*	58*	181	72	114	72	127	46	50	68	880	938	94	46	21	5
WAIMOANA TE WHARAU D15282 41 16S 175 53E B C CAMERON	6	GR N166354246	47	42	72	50	157	90	162	48	152	72	84	96	1072	1142	94	58	19	5
PIRINOA D15321 41 22S 175 13E D M DIDSBURY	52	GR N165735130	19	23	61	91	221	85	191	93	145	67	78	113	1187	1123	106	67	9	12
LAGOON HILL D15352 41 23S 175 31E R C SOMERVILLE	113	GR N166022098	34	32	77	109	295	115*	230*	111	132	80	54	105	1374	1351	102	66	21	5
GLENBURN TE WHARAU D15381 41 19S 175 51E THE MANAGER	15	GR N166315178	13	51	75	51	104	90*	153*	48	159	61	54	93	952	1103	86			
TE KOPI, WAIRARAPA #D15422 41 26S 175 13E N Z F S	100	GR N165744027	36	23	60	84	293	100	191	113	112	60	61	94	1227			99	21	5
STONEY CREEK STATION D15441 41 26S 175 28E B G BAKER	91	GR N165975051	29	19	78	102	375	126	371	82	153	74	56	118	1583	1449	109	102	20	5
TE AWAITI STN D15451 41 29S 175 35E J M WALKER	9	GR N169071983	22	38	49	53	132	74	127	80	111	53	38	73	850	1026	83	49	24	8
CAPE PALLISER D15631 41 37S 175 18E MARINE DIVISION MOT	10	GR N168811826	13	29	74	70	119	67	132	50	132	61	43	102	892	1054	85	64	9	12
FERN GLEN D16101 41 08S 176 00E THE MANAGER	30	GR N163459403	07	26	58	59	136	83	126	31	117	58	69	58	828	1059	78	50	20	5
TE ARAROA D78631 37 38S 178 20E W BAUCKHAM	3	GR N063743621	78	10	06	283	157	87	75			99	98	154	2022					
WHAKAANGIANGI D78632 37 41S 178 21E N Z FOREST SERVICE	61	GR N063747553	22	07	19	260	163	241	50	76	225				2171					
KATOA, WHAKAANGIANGI D78733 37 43S 178 18E MRS M R RUDLAND	95	GR N063701517	38	06	10	364	152	276	79	190	240	165	86	390	1996	2686	74			
EAST CAPE D78751 37 42S 178 33E MARINE DIVISION MOT	17	GR N063936541	24	20	09	178	78	116	28	82	92	73	55	93	848	1397	61	46	22	4
GATE STATION D78801 37 51S 178 05E N Z FOREST SERVICE	195	GR N071481504	24	24	13	457	212	451	125	229	475	357	115	403	2885	3034	95			
TIKITIKI D78841 37 48S 178 25E J TAPLIN	6	GR N072804419	19	19	07	215	86	200	39	66	125	91	25	148	1040	1913	54	59	10	12
RUATORIA D78931 37 54S 178 19E POVERTY BAY C B	61	GR N072712298	07	36	01	211	48	278	76	96	103	145	28	203	1232	1962	63	96	8	6
MAUNGATANIWHA D86992 38 59S 176 54E THE MANAGER	424	GR N104328019	09	35	19	137	120	126	109	53	65	187	88	64	1012	1414	72			
WAIPAOA D87281 38 17S 177 52E MRS P A SPENCE	244	GR N089256837	06	24	22	165	118	168	98	89	75	117	79	106	1067	1368	78	53	22	5
MANGATU FOREST D87284 38 17S 177 51E N Z FOREST SERVICE	182	GR N088248844	05	23	17	138	76	158	93	69	71	98	47	91	886	1317	67	49	22	5
TUTAMOE STN #D87291 38 15S 177 59E P GREI TON	678	GR N089379889	22	36	25	182*	107	232*	86	120	58	129*	55*	114*	1166	1962	59			
OTOKO D87462 38 27S 177 38E F I FARAM	274	GR N088027648	07	21	09	246	65	123	64	76	79	162	64	141	1057	1310	81	64	22	4
TE KARAKA D87485 38 28S 177 52E D AITKENHEAD	41	GR N089259613	10	20	14	211	78	111	79	60	69	87	52	71	862	1078	80	57	22	4

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER

NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

D SECTION	HT METRES	NZMS 1 GRID REFERENCE				MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	NORMAL	% OF	MAX	D	M					
		JAN	FEB	MAR	APR																			
TANGIWAI STATION D87543 38 32S 177 29E J WILLIAMS	572	GR N097894538				16	27	12	260	148	151	102	84	102	187	83	178	1350		57	10	12		
			7	6	4		14			16		12	14											
EASTWOOD HILL D87571 38 34S 177 43E K BOYCE	137	GR N097115504				05	06	10	209	57	101	68*	77	27	6			1145						
			3	2	2	14																		
NGATAPA D87572 38 34S 177 44E P E WANKLYN	137	GR N097132492				05	06	08	210	51	107	68	84	27	113	60	86	825	1102	75	53	4	4	
			3	2	2	5	10	10		13	10	13	7	10	12	8								
NGATAPA #D87573 38 33S 177 46E P M FRANKS	91	GR N097175500				09	14	12	228	45	117	65	90	26	108	69	87	870						
			4	2	2	6	8	13		13	13	7	15	12										
WAIHIRERE BECKINGTON D87593 38 35S 177 56E R DAVIES	15	GR N098313472				07	09	02	174	41	101	103	52	21	78	45	50	683	1081	63	47	4	4	
			3	3	1	12	6	11		11	11	10	6	11	7	6								
KAIROA STN D87642 38 36S 177 27E M PIPER	533	GR N097855456				13	17	09	175	132	113	92	67	61	157	89	138	1063	1376	77				
			3	4	2	8							13	16	12	12								
MANUTUKE GISBORNE D87733 38 41S 177 53E M A F	9	GR N098272359				09	04	08	177	49	118	74	62	19	88	47	67	722	1019	71	48	4	4	
			2	2	2	10	5	11		11	11	9	7	13	8	9								
GISBORNE AIRPORT D87692 38 40S 177 59E N Z MET SERVICE	4	GR N098362377				11	04	11	179	41	158	113	51	17	75	50	68	778	1079	72	65	4	4	
			3	2	2	10	5	13		12	12	10	6	12	8	10								
ANIWANIWA D87713 38 45S 177 10E NATIONAL PARK RANGERS	677	GR N105582293				54	70	26	258	351	191	315	198	143	240	186*	123	2155	2647	81	161	22	5	
			11	8	5	14	18	21		18	15	18	15	18	13									
MANGATAWHITI D87733 38 47S 177 20E MANAGER	427	GR N105739237				06	31	28	132	186	81	122	95	66	142	108	89	1086	1766	61				
			4	6	4										12									
PARIKANAPA D87771 38 45S 177 42E E ANDERSON	594	GR N106082272				19	15	22	257	158	265	290	155	46		120	105		1777					
			3	5	3					13			13	8										
WAINGAKE D87781 38 47S 177 48E G R MCCAFFERY	91	GR N106187228				30	15	10	162	100	183	171	89	34	87	94	94	1069	1504	71	59	21	5	
					2	14	5	13		17			6	10	12	8								
ONEPOTO, WAIKAREMOANA D87921 38 48S 177 07E N Z ELECTRICITY DEPT	643	GR N105542227				31	57	34	201	209	190	159	125	107	218	143	115	1589	2148	74	98	22	5	
			9	8	4	17	14	16		16	17	16	14	20	16	14		165						
TUAI D87812 38 48S 177 09E N Z ELECTRICITY DEPT	293	GR N105567220				23	43	19	138	176	128	117	89	108	175	107	56	1179	1781	66	84	22	5	
			5	6	4	14	11	15		15	14	12	13	17	13	12		136						
PIHANGA D87841 38 48S 177 26E S D RENNEN	137	GR N106840224				10	27	27	210	231	91	216	98	58	90	103	87	1248	1562	80	93	22	5	
			4	6	5	14	8	10		17		12	8	13	13	8		118						
WHARERATA FOREST D87881 38 52S 177 52E N Z FOREST SERVICE	439	GR N107255114				31	18	36	233	143	291	409	169	59	188	121	126	1824						
			4	3	7	16	11	17		17			8	13	14	12								
WAIJU HILLCREST D87921 38 56S 177 17E P J CLIFTON	107	GR N105694067				10	31	19	146	161	73	141	72	38	107	80	83	961	1381	70	78	21	5	
			3	4	4	11	5	10		10				8	12	7								
CLYDEBANK, FRASERTOWN D87942 38 57S 177 29E E F PENTY	46	GR N106880034				00	40	39	252	184	106	261	146	39	63	75	33	1238	1693	73				
			0	3	5	13	7	9		9	11	9	3	8										
MARUMARU D87952 38 54S 177 32E G B BERRY & SONS	91	GR N106923108				22	18	47	292	216	134	396	163	53	102	134	88	1665	1932	86	120	21	5	
			4	6	6	15	8	12		12	17	13	8	12	12	5		118						
RUANGAREHU STN D88011 38 03S 178 10E A H WILLIAMS	274	GR N080564114				05	30	04	161	47	208	32	80	52	126	34	91	870	1780	49	53	8	6	
			2	3	3	16	6	13		13	7	14	11	12	7	11		105						
TE PUIA SPRINGS D88031 38 03S 178 18E THE ASSISTANT ENGINEER	210	GR N080696107				09	46	06	218	39	330	82	103	46	125	29	103	1136	1938	59	114	8	6	
			3	3	1																			
WAINGAROMIA STN D88211 38 16S 178 06E D STOCK	543	GR N089493856				18			220	99*	379	105	125					2083						
					6																			
TUAHU STATION D88212 38 15S 178 08E W E LINCOLN	458	GR N089520869				16	35	15										1972						
			3	3	4																			

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL >= 1.0 MM

D SECTION	HT METRES	NZMS 1 GRID REFERENCE	NUMBER OF DAYS WITH RAINFALL >= 1.0 MM												YEAR	NORMAL	% OF	MAX	D	M		
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC								
WAIU STATION D88213 38 12S 178 11E MRS G B KAIN	375	GR N080575914														86						
MANGATUNA TOLAGA BAY D88321 38 19S 178 16E MRS J S MCKENZIE	15	GR N089645798	07	30	13	131	31	313	77	99	23	133	28	51	936	1504	62	86	8	6		
AHITITI STN D88401 38 26S 178 03E J TOMBLESON	488	GR N089431657	11	23	13	171	82	274	123	96	35	108	74	77	1087	1629	67	84	8	6		
AWANUI STN D88412 38 29S 178 09E W E LINCOLN	61	GR N098543580				203	117	343	108	94	21	90	65	82								
MOKAIRAU, PAKARAE D88421 38 28S 178 15E A D REEVES	46	GR N098617598	18	08	18	183	43	213	148	109	27	108	55	79	1009	1553	65	56	4	4		
RAROA TOLAGA BAY D88431 38 25S 178 19E MRS N A SHELTON	152	GR N089689667	17	17	12	106	30	95	80	123*	31	119	48		1373							
WAIMATA VALLEY D88503 38 31S 178 03E R H BARTON	61	GR N098428559	09	13	12	241	108	228	135	94	33	95	63	92	1123	1631	69	96	3	4		
BLACK STUMP STATION D96141 39 10S 176 29E B F LOMAS	762	GR N114935791	29	30	10	127	135	125	97	80	115	211	74	102	1135	1458	78	54	22	10		
MIMIHA, HAWKES BAY D96162 39 10S 176 39E M J MCGONIGAL	457	GR N114096780	08	48	12	170	109	136	129	42	50	194	63	63	1024			51	18	7		
TARAPONUI D96171 39 10S 176 47E D GRAHAM	503	GR N114208787	09	73	25	222	133	171	118	65	74	244	128	101	1363	1883	72	63	14	11		
TE WAIRERE D96251 39 17S 176 33E A M SIMCOX	564	GR N124986641	11	58	15	217	89	200	157	67	71	229	73	41	1228	1867	66	80	4	4		
BAIRNSDALE D96252 39 12S 176 30E D SIMMONDS	442	GR N114950754	10	29	10	136	107	107	88	52	76	170	61	55	901	1244	72	53	22	10		
RUKUMOANA #D96261 39 16S 176 40E H A MCKEESICK	368	GR N124113663	07	46	23	263	74	146	136	80	51	214	44	68	1152	1647	70	66	4	4		
TITIOKURA D96263 39 13S 176 41E P C OLSEN	671	GR N114125731	11	79	30	247*	95	211	146	94	50	270	59	83	1375	2098	66	66	8	6		
ESK FOREST D96272 39 15S 176 42E N Z FOREST SERVICE	427	GR N124131679	09	64	24	257	89	143	132	75	52	231	48	83	1207	1752	69	66	22	4		
TUTIRA D96281 39 14S 176 53E B FARREL	201	GR N114308710	08	34*	10	179	76	110*	96	40	20	158	47	81	859	1438	60	68	4	4		
TAREHA D96282 39 16S 176 52E D HEAYS	430	GR N124288658	08	37	17	157	67	113*	139*	56*	11	171	19	86*	881	1669	53					
GLENGARRY STN D96371 39 19S 176 43E CAMERON	396	GR N124150622	04	24	06	129	30	65	52	34	12	137	25	92	610	1445	42					
TANGOIO D96382 39 18S 176 52E N Z FOREST SERVICE	213	GR N124299629	10	30	19	208	63	68	89	50	32	188	41	102	900	1507	60					
WAIWHARE D96441 39 27S 176 29E B C WARD	351	GR N124934451	09	45	11	142	68	118	76	38	36	180	43	65	831	1296	64	48	4	10		
KAWEKA FOREST D96444 39 26S 176 28E N Z FOREST SERVICE	414	GR N124911467	11	51	17	151	81	149	85	43	62	193	38	62	943	1412	67	57	4	10		
TE HAU D96451 39 24S 176 34E C PICKERING	360	GR N124000513	08	53	15	143	57	130	104	43	49	195	61	70	928	1408	66	46	4	10		
TAHORA HAWKES BAY D96452 39 26S 176 33E THE MANAGER	213	GR N124996461	07	42	08	152	61	111	75	33	42	175	66	75	847	1239	68	63	21	4		

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER

NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

D SECTION	HT METRES	NZMS 1 GRID REFERENCE				MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR														
FLAG RANGE ROAD D96461 39 28S 176 38E MRS B OLIVER	131	GR N124074424											81 9						
RISSINGTON D96471 39 27S 176 43E J ARCHER ABSOLOM	85	GR N124143455									218*	25 8	100	1116					
NAPIER AIRPORT D96481 39 28S 176 52E CIVIL AVIATION DIV MOT	2	GR N124292422				66 9	52 6	54 8	73 8	17 4	13 5	140 11	16 6	56 8	518 72	875	59	50	4 10
ESKDALE D96483 39 24S 176 50E MR P CLARK	15	GR N124251513				129 11	55 7	68 8	77 9	34 9	21 7	147 12	28 9	76	682	1098	62	53	4 10
WHANAWHANA D96541 39 32S 176 25E P BEAMISH	293	GR N133881335				122	30	69*	71*	41	22	166	35*	79	702	1148	61		
SHERENDEN D96561 39 30S 176 36E G MATTHEWS	250	GR N134038378				108 10	26 6	101 9	72 8	17 7	26 5	153 14	59 7	78 10	677 84	1067	63	47	4 10
NAPIER D96591 39 30S 176 55E NAPIER CITY COUNCIL	2	GR N134328382				65 10	60 6	52 8	76 7	31 4	14 5	152 12	22 8	50 8	549 76	830	66	46	4 10
TE KATATA GLENDALE D96633 39 38S 176 20E J THOMPSON	337	GR N133798225				147 12	131 12	172	63	13	73 1	179 8	50	59 9	962		55	4 10	
FARAWAY HAWKES BAY D96643 39 41S 176 28E K D MORRISON	445	GR N134918162				138 10	78 11	140 9	74	16	43 5	160 9	29 10	69 10	812		57	4 4	
ROSE HILL D96653 39 39S 176 33E MRS S L UYTDEN BOGAARD	171	GR N134993208				104 9	49 6	89 8	41 7	09 4	30 6	177 11	14 3	54 9	603 67	842	72	47	30 10
NGATARAWA D96671 39 39S 176 43E J B TALBOT	38	GR N134148198				100 11	54 9	76 9	48 9	16 9	29 7	142 15	43 7	69 10	616 90	863	71	43	4 10
HAVELOCK NORTH D9668A 39 39S 176 52E PLANT DISEASES D S I R	9	GR N134296182				78 8	66 7	69 10	55 7	26 5	18 5	123 13	38 6	48 6	556 72		38	4 10	
HASTINGS D96680 39 37S 176 49E HASTINGS FIRE BRIGADE	16	GR N134248224				75 8	44 7	66 9	55 7	23 5	23 6	122 11	28 4	64 8	534 69		43	4 10	
HAVELOCK NORTH D96689 39 40S 176 53E PLANT DISEASES D S I R	9	GR N134296183				78 8	66 7	72 10	56 7	25 5					795				
TE MATA HAVELOCK NTH D96691 39 41S 176 55E MRS P FOXLEY	140	GR N134329164				78 10	60	78*	77 9	35 6	16 5	117 13	18 4	50*	567	851	67		
WHAKATU D96695 39 37S 176 54E M A F	6	GR N134328248				55 9	67 6	57 8	77 9	29 5	18 6	128 11	18 6	38 7	528 73		49	4 10	
WAKARARA D96721 39 45S 176 16E R E YEOMAN	488	GR N140712086				136 13	246 16	235 17	111 8	35 8	108 17	223 13	66 11	63 13	1409 141	1793	79	67	14 10
SMEDLEY D96731 39 47S 176 21E J G LUNT	457	GR N140791047				154 15	129	174	99	39	64 10	180	42 7	53	1016	1452	70	60	4 10
GWAVAS D96741 39 47S 176 29E THE MANAGER	244	GR N141917054				102 12	79 11	126 12	85 11	18 6	39 7	128 12	23 6	55 9	705 95	1113	63	39	4 10
GWAVAS FOREST D96743 39 44S 176 27E N Z FOREST SERVICE	335	GR N133885107				94 11	96 13	147 10	98 10	21 7	48 8	148 12	30 7	62 11	812 100	1262	64	46	4 10
WHAKARUA D96753 39 42S 176 35E W N MENZIES	223	GR N134014144				107 10	56	117 10	41	11 5	32	164	16 4	58 8	651	942	69		
POUKAWA D96771 39 45S 176 43E MRS B HORN	55	GR N141148074				67 11	63 7	78 10	52 10	13 4	18 5	126 11	20 5	53 10	525 77	771	68	37	14 10
PAKI PAKI NURSERY #D96773 39 42S 176 47E N Z FOREST SERVICE	9	GR N134216142				72	66	76	45	26 3	22 7	129	35 5	64	573				

* ESTIMATED

RAINFALL IN MILLIMETRES
NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

STATION AND OBSERVER			NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM																	
D SECTION	HT METRES	NZMS 1 GRID REFERENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	NORMAL	% OF	MAX	D	M
MOKOPEKA D96732 39 46S 176 56E MRS S ROWE	152	GR N141338070 20* 14 05	58	75	116	65	26	14	121	30	49	593	1098	54	50	4	10			
TAURAPA D96793 39 44S 176 59E THE MANAGER	91	GR N135392105 19 22 05	66	115	93	88	43	21	132	24	38	666	990	67	75	21	5			
BRENTWOOD D96822 39 48S 176 13E MRS C TATAM	503	GR N140683031 68 82 37	172	245	205	83	27	115	206	51	87	1378	1813	76	57	14	10			
BLACKBURN D96831 39 53S 176 20E E S BIBBY	320	GR N140773923 26 49 22	136	100	129	68	21	87	166	27	51	882	1058	83	55	14	10			
RANGI ONGA ONGA #D96832 39 53S 176 23E MRS A BRADLEY	229	14 47 18	102	99	102	75	16	77	143	17	49	759	1131	67	52	14	10			
SPRINGHILL D96833 39 51S 176 23E J W E NASH	274	GR N140822961 20 40 09	178	99	121	75	14	56	133	34	43	822	1083	76	101	21	4			
TAHUNA #D96851 39 53S 176 32E P S PLUMMER	168	21 27 11	90	95	119	74	21	33	141	27	52	711	1001	71	51	14	10			
TE AUTE STN PUKEHOU D96861 39 49S 176 38E THE MANAGER	107	GR N141066992 20 18 09	72	54	75	65	16	18	164	27	71*	609	881	69						
PATANGATA D96871 39 53S 176 42E R E K DAVIS	76	GR N141120928 22 19 12	81	86	78	88	21	20	165	18	65	675	868	78	51	14	10			
HAPUA D96881 39 49S 176 51E S CHAMBERS	152	GR N141264001 19 14 09	75	119	129	120	45	19	165*	26	67	807	1144	71	65	14	10			
ANAWAI D96882 39 52S 176 53E B R TOXWARD	442	GR N141290943 21 22 16	132	148	238	203	69	27	208	43	82	1209	2207	55	89	14	10			
VALLEY RANGE D96883 39 52S 176 48E B M JENSEN	192	GR N141210943 19 14 08	83	93	101	123	43	21	172	30	67	774	1319	59	60	14	10			
WAIMARAMA D96891 39 48S 176 59E D CLARKSON	3	GR N142397997 19 19 11							52	21	121	30	53	1007						
ASHLEY CLINTON D96921 39 57S 176 14E J T W TYLER	351	GR N140688847 52 53 30	170	166	147	66	33	96	176	36	71	1096	1452	75	53	14	10			
MAKARETU NORTH D96925 39 54S 176 15E W OLIVER	396	GR N140702884 43 55 32	195	165	149	72	34	109	187	41	72	1154	1454	79	67	21	4			
MAKARETU D96931 39 57S 176 19E M A F	335	GR N140768843 29 48 15	100	82	111	64	21	78	137	28	54	767	1110	69	47	14	10			
ONGAONGA D96942 39 55S 176 25E W J BUCHANAN	186	GR N140863883 25 32 10	75	98	105	79	15	62	139	32	46	718	1003	72	49	14	10			
MT VERNON D96951 39 59S 176 33E P R HARDING	155	GR N141976800 25 26 04	67	123	82	42	19	62	126	40	62	678	889	76	60	22	5			
GLENFARG SN KOTEMAORI D97003 39 05S 177 02E R HALIBURTON	277	GR N115454878 05 36 24	152*	83	88	128	52	36	147	50	83	884	1453	61						
MOHAKA FOREST D97004 39 04S 177 02E N Z FOREST SERVICE	286	GR N115442905 07 34 24	156	100	96	142	55	33	173	61	42	923	1565	59	57	18	7			
WAIHUA VALLEY D97023 39 03S 177 14E A W MOGFORD	67	GR N115637931 06 22 26	178	107	82	142	75	28	102	62	75	905	1482	61						
WAIROA WAIPUTAPUTA SN D97031 39 01S 177 19E B MACKAY	29	GR N115724954 07 22 27	234	171	76*	197	122	53	106	94	84	1193	1606	74						
FRASERTOWN, WAIROA D97042 39 00S 177 24E N Z ELECTRICITY DEPT	8	GR N116806982 10 14 28	160	114	79	161	103	33	92	92	93	979	1489	66	58	21	5			

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER

NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

D SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
WAIROA D97043 39 03S 177 25E WAIROA HOSPITAL BOARD	20	GR N116812927 06 12 17 174 119 73 157 105 24 89 66 75 917 3 3 3 16 7 10 15 10 5 11 12 7 102												1376	67	71	21	5	
TUHARA VALLEY #D97051 39 02S 177 30E MISS P CLAYTON	24	GR N116901947 07 12 22 155 57 96 175 113 20 79 138 98 972 1 4 5 10 7 9 11 7 20 10 10 7												1429	68	98	21	11	
MORERE D97075 39 00S 177 47E B FOOT	33	GR N116171987 25 18 23 172 130 103 366 150 3 4 4 7 15																	
MAHIA BEACH D97081 39 05S 177 52E MRS R MC KEEN	1	GR N116245862 35 20 13 91 46 89 169 104 31 69 48 77 792 4 4 3 12 6 17 16 12 5 11 10 7 107												1328	60	36	12	7	
PUTORINO D97103 39 08S 177 00E THE SCHOOL PRINCIPAL	76	GR N115425823 05* 32 17 129 78 72 102 35 19 141 42 76 748 5 4 15 6 9 8 9 8 15 9 9												1153	65	46	4	10	
PONGAROA STN D97191 39 06S 177 57E G A ORMOND	128	GR N117309830 82 23 105 52 53 5 9												1314					
E SECTION																			
PARAPARAUMU AIRPORT E04991 40 54S 174 59E N Z MET SERVICE	7	GR N156530688 35 09 100 132 87 52 84 105 181 76 128 148 1137 6 4 9 11 12 10 11 11 13 14 11 12 124												1058	107	66	9	12	
PAEKAKARIKI NORTH E04992 40 58S 174 59E L BROWN	8	GR N156523608 26 15 103 160 167 106 134 148 215 88 161 154 1477 7 6 13 12 16 19 17 17 19 14 11 17 168												1327	111	81	9	12	
TURAKINA E05021 40 03S 175 12E T D GLASGOW	24	GR N143721733 70 30 35 59 99 53 17 45 83 67 42 82 682 11 2 7 8 8 5 10 13 13 7 13												946	72				
MILL ST. MARTON E05034 40 04S 175 23E F J WILSON	152	GR N143884694 82 39 47 62 133 54 18 55 107 80 56 88 821 12 3 9 11 17 11 6 12 18 13 7 13 132												1032	80	31	8	11	
MARTON FILTER STATION E05047 40 02S 175 24E MARTON BOROUGH COUNCIL	244	GR N143898779 73 43 38 78 147 67 22 67 118 87 50 80 870 13 2 7 10 18 14 5 11 15 12 6 12 125												1128	77	34	20	5	
MOTUKOWHAI #E05051 40 03S 175 30E H B CRAWFORD	165	GR N144010732 64 41 30 73 150 67 22 56 117* 80* 48 67 815 13 4 6 10 18 12 8 16 9 3 12												1013	80	37	20	5	
MARAMA KOWHAI E05081 40 04S 175 48E K F TWEEDE	244	GR N144286707 92 41 34 68 232 80 52 39 129 105 49 86 1007 5 7 19 10 10 7												1093	92	67	20	5	
KOMAKO E05092 40 05S 175 55E P F STUCKEY	271	GR N144389693 102 55 52 99 273 108 88 60 134 134 64 105 1274 8 12 16 13 13 19 14 13 14												1292	99				
LAKE ALICE E05134 40 08S 175 20E DEPT OF HEALTH	110	GR N143842637 71 38 44 60 121 64 23 36 112 68 39 84 760 11 2 10 8 16 10 8 9 17 13 6 12 122												972	78	31	6	5	
NGAHERE SANSON E05142 40 11S 175 28E J W WALL	122	GR N143964554 58 54 39 83 104 67 25 54 117 70 38 76 785 11 7 11 14 14 9 10 18 13 5 12												911	86	30	8	2	
GREATFORD E05144 40 08S 175 25E A A WILLIS	98	GR N143927628 75 49 47 65 104 57 23 44 106 75 46 72 763 13 5 8 10 16 11 7 8 16 12 7 12 125														23	8	2	
TE AWA E05171 40 08S 175 47E MANAWATU CATCHMENT BOARD	320	GR N144267621 59* 58* 23* 62 175 137* 37* 43 95 92 58 81 920 7 17 10												955	96				
POHANGINA VALLEY E05184 40 08S 175 51E A S CROSLAND	274	GR N144338633 73 36* 34 86 231 155 87 38 127 71 67* 105* 1110 5 8 17 20												1187	94				
FLOCKHOUSE, BULLS E05221 40 14S 175 16E M A F	9	GR N148797483 41 39 28 77 72 68 27 68 119 54 38 79 710 9 4 7 10 14 12 9 7 15 14 5 10 116												889	80	29	20	8	
OHAKEA E05231 40 12S 175 23E N Z MET SERVICE	48	GR N143882542 55 50 41 70 94 68 26 51 103 64 37 80 739 9 5 9 9 14 11 8 7 17 13 6 12 120												905	82	30	8	2	
WAITATAPIA E05232 40 13S 175 18E J R DALRYMPLE	29	GR N143822508 42 41 31 78 77 66 28 63 106 57 34 80* 703 4 5 10 12 5 9 15 11 5												904	78	28	20	8	

* ESTIMATED

RAINFALL IN MILLIMETRES
NUMBER OF DAYS WITH RAINFALL >= 1.0 MM

STATION AND OBSERVER		NUMBER OF DAYS WITH RAINFALL >= 1.0 MM												YEAR	NORMAL	% OF	MAX	D	M	
E SECTION	HT METRES	NZMS 1 GRID REFERENCE				MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
		JAN	FEB	MAR	APR															
FEILDING E05251 40 13S 175 33E A L MASON	87	GR N144046517 66 54 40 12 4 8				69	97	88	33	43	126	64	50	77	807	956	84	34	8	11
FEILDING SEWAGE PT E05254 40 15S 175 33E FEILDING BOROUGH COUNCIL	55	GR N149045484 54 39 31 9 4 9				68	79	75	32	44	104	56	38	71	691 112	893	77	22	8	2
VALLEY ROAD E05273 40 12S 175 42E MANAWATU CATCHMENT BOARD	152	GR N144193537 48* 38* 23*				61	98	68	30	32	87	59	68	71	683	893	76			
WHARITE PEAK E05282 40 15S 175 51E B C N Z	914	GR N149331475 137 103 108 18 11 15				223	184	298	126	131	187	203	124	143	1967 211	2165	91	63	22	6
GLEN OROUA E05341 40 20S 175 24E MRS A J SANSON	23	GR N148914383 38 32 27 8 8				67	80	63	38	56	120	53	38	61	673	881	76	30	20	8
KAIRANGA PALMERSTON N E05343 40 20S 175 37E GRASSLANDS DIV D S I R	15	GR N148971372 44 30 31 10 3 6				73	84	78	31	52	113	48	38	82	704 118	907	78	27	20	8
PALMERSTON N AIRPORT E05369 40 20S 175 37E CIVIL AVIATION DIV MOT	45	GR N149108390 56 35 39 11 4 13				89	92	90	35	47	116	56	48	80	783 127	919	85	26	13	12
PALMERSTON N D S I R E05363 40 23S 175 37E GRASSLANDS DIV D S I R	34	GR N149104323 60 30 49 11 4 11				88	82	93	35	64	117	57	54	68	797 132	991	80	28	26	4
MASSEY UNIVERSITY #E05365 40 23S 175 36E MASSEY UNIVERSITY	75	GR N149103311 62 11														1011				
PALM NTH HAYDON ST #E05369 40 20S 175 38E A J MOODY	41	GR N149127376 62 41 47 11 3 13				99	87	102	39	58	125	64	51	79	854 138	996	86	26	20	8
FOXTON E05421 40 28S 175 17E N Z POST OFFICE	3	GR N148797209 40 14 72 3				62	76	70	36	51	108	65	64	115	773	880	88	39	9	12
HIMATANGI E05431 40 24S 175 18E N Z POST OFFICE	12	GR N148807294 51 31 52 10 3 9				57	69	83	34	60	117	59	56	74	743 118	937	79	31	20	8
BAINESSE E05432 40 25S 175 23E E G MILLARD	30	GR N148887287 57 22 48 8				58	106	77	27	63	120	71	55	92	796	936	85	30	9	12
OPIKI E05442 40 26S 175 28E A H AKERS	11	GR N148966250 52 20 68 9 2 11				78	93	80	36	73	139	65	48	73	825 121	987	84	28	20	8
LINTON MILITARY CAMP E05451 40 24S 175 35E M W D	46	GR N149072299 55 29 46				83	85	81	35	66	128	53	94	69	824	968	85			
RIDGE HILL LINTON E05452 40 28S 175 35E C C A STABLEFORD	122	GR N149072225 63 36 96 5 13				102	119	111	44	88	177					1161				
TIRITEA NO 2 #E05464 40 26S 175 40E PALMERSTON NTH CITY CNL	131	GR N149149261 69 41 80 13 5 16				127	116	146	55	90	171	81	81	96	1153 156	1358	85	37	1	6
TIRITEA E05465 40 24S 175 38E PLANT PHYS DSIR	100	GR N149125294 66 32 56 12 4 14				87	90	97	41	73	138	70	59	77	886 141			28	26	4
WAITARERE FOREST E05521 40 33S 175 12E N Z FOREST SERVICE	3	GR N152727118 22 10 77 5 3 9				64	72	78	37	52	121	61	72	141	807 104	896	90	54	9	12
MOUTOA E05531 40 32S 175 20E FARM MANAGER	3	GR N152851135 41 16 98 9 4				75	72	100	55	58	145	76	89	137	962	1015	95	40	27	6
MANGAHAO POWER STN E05542 40 35S 175 27E N Z ELECTRICITY DEPT	110	GR N152954087 82 14 170 12 4 14				91	92	115	77	77	187	96	140	116	1257 14	1381	91	52	23	3
LEVIN E05622 40 39S 175 16E M A F	46	GR N152787996 52 15 112 10 4 12				91	94	78	60	70	173	80	95	160	1080 134	1122	96	59	9	12
LEVIN #E05626 40 38S 175 17E J H HARVEY	37	GR N152805021 48 25 132 9 4 14				97	92	99	63	82	185	87	107	162	1179 140	1138	104	58	9	12

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER

NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

E SECTION	HT METRES	GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		NZMS 1 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
MUHUNOA EAST E05627 40 41S 175 17E D GOODIN	117	GR N152805945 94 34 149 139 131 102 92 107 243 89 159 185 1524 1399 109 63 9 12 8 12																	
HOKIO SAND ROAD E05629 40 37S 175 13E R A KING	15	GR N152742029 37 07 91 71 87* 94* 50 45 163 58 82 144 929 64 9 12 4 2 7																	
ARAPETI E05641 40 36S 175 28E N Z ELECTRICITY DEPT	363	GR N152983072 113 38 135 197* 139* 128 87 123 174 146 236 117 1633 2106 78																	
MANGAHAO UPPER E05642 40 38S 175 29E N Z ELECTRICITY DEPT	374	GR N152979025 172 92 386 230 262 254 126 185 423 254 341 252 2977 2870 104 89 3 11 15 13 21 17 20 21 13 17 22 19 14 22 214																	
MANGAHAO LOWER E05652 40 36S 175 31E N Z ELECTRICITY DEPT	348	GR N152997052 191 100 385 201 251 229 135 221 417 248 353 241 2972 2615 114 111 3 11 15 14 15 21 13 18 22 19 14 22																	
OTAKI E05713 40 46S 175 08E P CLELAND	30	GR N157663863 41 06 94 101 90 64 71 78 138 80 110 130 1003 1064 94 72 9 12 2 9																	
OTAKI EAST E05714 40 45S 175 10E R S WHETREN	35	GR N157694862 66 12 107 117 83 83 69 78 138 88 129 155 1125 66 9 12 11 4 10 11 13 13 9 12 18 11 8 12 132																	
MANAKAU E05722 40 43S 175 13E L J JARVIS	30	GR N152738912 57 13 112 104 110 97 77 82 179 84 124 169 1208 1193 101 71 9 12 10 4 11 12 15 12 10 10 19 13 7 14 137																	
WAIKANA E WATERWORKS E05802 40 53S 175 04E PARA-WAE JNT WATER SUP	30	GR N157604704 44 10 98 132 104 83 88 101 181 89 156 175 1261 1257 100 103 9 12 7 4 9 11 13 13 12 12 14 13 9 10 127																	
LONGCROFT, TE HORO E05811 40 49S 175 09E MRS J M RICHMOND	61	GR N157676793 53 08 105 130 100 91 84 110 157 91 144 173 1246 1176 106 77 9 12 10 3 11 12 15 13 9 12 15 12 7 12 131																	
PARAPARAUMU E05901 40 55S 175 01E C REVELL	5	GR N156549679 39 13 108 149 106 61 96 118 183 87 147 154 1261 1172 108 72 9 12 8 5 10 11 15 13 12 11 14 15 10 13 137																	
VALROA KENNELS E05908 40 56S 175 00E D CHAPMAN	91	GR N156549643 32 13 99 133 111 80* 96 112 185 79 120 166* 1226 79 9 12 5 9																	
REIKORANGI E05912 40 54S 175 07E MRS M R MONK	152	GR N157647686 71 14 130 177 206 120 157 135 225 151 242 220 1848 1713 108 102 9 12 9 11 16 16 14																	
PUKERUA BAY E14083 41 03S 174 53E K ALEXANDER	61	GR N160440530 102 42 101 89 175 78 108 136 11 12 13 10 13 13 10 11																	
PLIMMERTON E14084 41 04S 174 51E MRS A J ROBERTSON	91	GR N160414486 82 176 69 138 163 10 14 15 9																	
PAEKAKARIKI HILL E14091 41 03S 174 56E R A GYTON	107	GR N160484514 20 14 124 155 146 74 105* 102* 195 121 183 173 1412 1375 103 82 9 12 4 11 11 12 13 13 10 9																	
OHARIU VLY PAPANUI #E14171 41 10S 174 46E R J EASTWICK	122	GR N160332362 27 08 79 149 135 42 152 85 168 93 118 147 1203 1153 104 3 7 11 12 10 15 10 168 93 118 147 1203 1153 104 3 7 11 12 10 15 10																	
LINDEN E14181 41 10S 174 50E H W HILL	46	GR N160387377 22 07 82 147 165 61 194 108 197 103 153 186 1425 1333 107 95 9 12 6 3 10 13 12 12 15 12 14 14 13 14 138																	
TITAHU BAY E14187 41 07S 174 50E D SOUTHEE	31	GR N160391426 26 09 59 108 122 46 134 91 174 69 133 160 1131 81 9 12 6 3 5 11 12 10 15 11 14 14 12 11 124																	
WHITBY E14188 41 06S 174 53E I P BROWN	50	GR N160440437 20 06 47 108 127 52 116 63 166 59 135 134 1033 73 9 12 5 2 5 12 11 52 116 63 166 59 135 134 1033 73 9 12 5 2 5 12 11 13 9 11 10 10 9																	
TAITA, LOWER HUTT E14192 41 11S 174 58E SOIL BUREAU D S I R	65	GR N160509350 33 16 68 123 262 78 176 113 173 98 196 163 1499 1412 106 92 9 12 6 4 11 15 14 14 13 16 14 13 11																	
AVALON, LOWER HUTT E14195 41 11S 174 56E LOWER HUTT CITY COUNCIL	15	GR N160474326 30 15 64 138 267 79 185 110 174 96 214 151 1523 1407 108 82 9 12 5 4 10 11 13 15 15 11 15 12 13 11 135																	
STOKES VALLEY E14198 41 11S 174 59E LOWER HUTT CITY COUN IL	76	GR N160524354 33 09* 76 176 312 94 232 129 179 92 191 166 1689 1394 121 91 9 12 6 4 10 11 13 16 15 15 179 92 191 166 1689 1394 121 91 9 12 6 4 10 11 13 16 15 15																	

* ESTIMATED

RAINFALL IN MILLIMETRES

NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

STATION AND OBSERVER

E SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M		
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC								
JUDGEFORD E14199 41 07S 174 57E THE SECRETARY	24	GR N160487421 12 09 67 160* 231 82 181 97 182 86 148 155 1410 4 7																			
MAKARA SOUTH E14261 41 17S 174 41E KARORI GOLF CLUB	107	GR N164258216 18* 16 95 209 68 106 160 87 180 114 79 145 1277 2															94	9	12		
HIGHLAND PK WGTN #E1427H 41 15S 174 47E C T RAINE	120	GR N164344250 18 14 78 173 121 91 184 108 3 4 7 12 14 14 17 12																			
KARORI RESERVOIR E14271 41 17S 174 45E WGTN REGIONAL COUNCIL	141	GR N164315213 18 24 87 202 108 79 176 111 175 135 118 137 1370 5 5 8 12 15 11 17 11 14 15 12 8 133												1351	101		75	9	12		
KELBURN, WELLINGTON E14272 41 17S 174 46E N Z MET SERVICE	125	GR N164329222 15 20 85 190 111 75 174 106 167 125 111 124 1303 6 4 7 12 14 12 17 11 13 15 11 8 130												1305	100		70	9	12		
MAUNGARAKI NO 2 #E14280 41 13S 174 53E LOWER HUTT CITY COUNCIL	138	GR N160430212 28 16 82 179 200 62 183 116 198 131 207 211 1613 5 6 10 11 12 14 14 12 14 15 11 14 138												1438	112		105	9	12		
SOMES IS E14285 41 16S 174 52E M A F	43	GR N164418254 21 14 63 134 176 57 166 104 137 113 118 133 1236 5 3 7 11 12 12 16 12 14 13 13 12 130												1186	104		69	9	12		
GLENSIDE #E14287 41 12S 174 49E V HOSIE	71	GR N160369317 28 05 72* 108 50 162 92 179 111 116 168* 5 1												1285							
NEWLANDS E14288 41 14S 174 50E J S FALCONER	235	GR N164384291 29 19 102 188 164 72 190 116 205 152 159 179 1575 5 6 13 12 13 15 17 12												1468	107		92	9	12		
MAUNGARAKI NO 1 #E14289 41 13S 174 53E LOWER HUTT CITY COUNCIL	7	GR N160433305 27 16 69 157 182 61 176 112 181 118 189 200 1488 5 4 8 10 11 13 14 12 13 14 10 13 127												1373	108		96	9	12		
MAUNGARAKI NO 3 #E1429J 41 13S 174 54E LOWER HUTT CITY COUNCIL	205	GR N160429322 28 16 82 184 211 60 186 120 201 134 217 212 1651 5 6 10 11 13 14 14 13 15 16 12 14 143												1522	108		101	9	12		
KAIRANGA WAINUIOMATA E1429N 41 14S 174 55E G KIDD	85	GR N164478268 70 153 290 87 271 130* 151 111 183 157 9 11 14																			
GRACEFIELD, LOWER HUTT E14290 41 14S 174 55E NUCLEAR SCIENCES D S I R	34	GR N164468284 27 14 87 141 301 71 237 111 157 100 176 143 1565 5 4 7 11 11 12 16 11 14 11 12 8 122												1370	114		93	9	12		
WAINUIOMATA RESEVOIR E14294 41 16S 174 59E WGTN REGIONAL COUNCIL	125	GR N164532241 33 09 100 179 489 131 426 170 158 136 222 144 2197 5 2 10 13 14 16 18 16 15 16 12 11 148												1988	111		125	22	5		
WAINUIOMATA E14296 41 17S 174 57E HUTT COUNTY COUNCIL	82	GR N164496217 23 13 93 171 341 107 380 159 159 136 176 166 1924 5 3 9 11 13 14 18 14 14 15 13 12 141												1757	110		103	17	7		
BEACON HILL E14382 41 20S 174 50E WELLINGTON HARBOUR BOARD	132	GR N164385167 11 24 69 144 94 57 143 90 159 102 81 130 1104 4 4 8 11 11 14 10 13 14 12 8												1106	100		81	9	12		
RONGOTAI E14386 41 19S 174 48E I B SANDERS	5	GR N164360178 13 20 77* 146 96 51 128 92 166 109 93 118 1109 3 3 7 11 14 11 16 10 13 15 11 8 122												1161	96		71	9	12		
WELLINGTON AIRPORT E14387 41 20S 174 49E N Z MET SERVICE	6	GR N164367171 14 18 69 133 86 43 110 84 155 102 85 109 1008 5 3 7 11 14 10 15 11 13 14 11 8 122												1082	93		67	9	12		
WAINUIOMATA COAST RD E14391 41 21S 174 54E C M GELDERMAN	30	GR N164457136 12 15 87 144* 122 100 274* 136* 156* 118 100 113 1377 4 2 7 13 14												1704	81						
EASTBOURNE #E14392 41 18S 174 55E DR J KIRBY	7	GR N164447213 21 18 78 164 258 94 301 125 167 137 126 130 1619 5 8 12 17 18 18 13															87	17	7		
RIMUTAKA FOREST E14393 41 21S 174 54E N Z FOREST SERVICE	37	GR N164462138 09 07 73 195 114 94 275 107 162 145 132 130 1443 5 1 7 11 11 14 18 12 12 16 13 10 130															91	17	7		
KAITOKE E15011 41 05S 175 11E M A F	223	GR N161717475 72 37 98 230 255 163 245 154 279 195 238 196 2162 11 5 11 15 16 18 19 16 20 18 13 18 180												2142	101		89	9	12		
ARAWHATA E15012 41 00S 175 07E SALVATION ARMY	270	GR N161661564 53 16 131 192 187 122 178 131 246 141* 260 178 1835 4 11 15 19 18												2393	77		80	9	12		

* ESTIMATED

RAINFALL IN MILLIMETRES
NUMBER OF DAYS WITH RAINFALL >= 1.0 MM

E SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
HEADWORKS KAITOKE E15021 41 04S 175 12E WGTM REGIONAL COUNCIL	189	GR N161718498												2359	2352	100	99	9	12
		77	49	132	259	278	172	241	185	288	194	274	210	170					
		10	4	11	15	16	20	17	15	18	16	13	15						
PINEHAVEN E1510A 41 10S 175 01E C BARKUS	125	GR N161559367												1581			91	9	12
		33	18	73	145	223	106	194	126	192	119	178	174						
			5	9	12	14	18	16	15	15	13	14	13						
MOONSHINE E1510D 41 06S 175 00E J LUCAS	250	GR N160544447												1510			104	9	12
		52	09	71	162	160	86	163	118	183	118	207	181						
		7	3		13	13	15		13		12	11							
TRENTHAM RACECOURSE E15101 41 08S 175 02E WELLINGTON RACING CLUB	52	GR N161579401												1356	1295	105	88	9	12
		39	13	61	138	160	83	152	103*	166	109	182	150						
		5	4	7	13	12	16	14	13	17	12	11	10						
WALLACEVILLE E15102 41 08S 175 03E M A F	56	GR N161589407												1373	1301	106	103	9	12
		39	14	63	139	153	85	141	103	170	112	185	169						
		6	4	8	11	13	16	14	13	17	12	12	12						
TRENTHAM E1510D 41 09S 175 02E M W D	49	GR N161571389												1324	1279	104	103	9	12
		34	12	57	127	166	83	158	99	162*	93	163	170						
		6	3	7	11	13	16	15	13	15	11	11	10						
UPPER HUTT E15104 41 08S 175 03E G K HAMLIN	55	GR N161581419												1465	1377	106	104	9	12
		46	12	65	151	158	82	146	131	171	119	212	172						
		6	3	7	13	13	15	14	12	17	13	11	9						
FANTAILS UPPER HUTT E15114 41 08S 175 06E F H J VENN	168	GR N161637405												1675			93	9	12
		57	15	65	173	190	134	214	114	186	157	192	178						
		7	4	7	13	16		17	15	18	13	10	11						
CAPE EGMONT E93271 39 17S 173 45E MARINE DIVISION MOT	8	GR N118353647												1162	1413	82	56	9	7
		101	18	56	145	109	59	81	117	159	123	95	99						
		10	4	9	11	16	15	8	12	17	16	8	12						
OAONU E93482 39 24S 173 48E SHELL BP & TODD	33	GR N118407493												123					
								54	79	131	94	113							
								8	10	15									
PATIKI E93491 39 28S 173 58E A T MULLIN	152	GR N118564427												1119	1458	77	41	14	9
		79	37	66	124	130	75	48	93	142	123	77	125						
		12	4	12	11	13	13	10	11		14	8	13						
PUNEHU STN E93492 39 28S 173 56E MRS P G SYMES	91	GR N118528423												1072	1557	69	32	14	9
		75	20	68	108	112	76	43	99	129	118	77	147						
		15	6	13	13	16	16	11	13	17	18	9	15						
DAWSON FALLS E94311 39 19S 174 07E K H ANDERSON	945	GR N119683597												5531	5682	97	152	26	4
		288	62	157	632	677	299	421	536	729	799	384	547						
		16	4	11			19												
STRATFORD MTN HOUSE E94313 39 18S 174 07E MR & MRS CANDY	846	GR N119701614												5672	6409	89	213	9	7
		309	77	135	811	686	291	475	534	705	656	479	514						
		16	5	12	15	20	20	17	16	23	22	14	18						
STRATFORD E94332 39 20S 174 19E N Z ELECTRICITY DEPT	262	GR N119887584												1700	1994	85	61	9	7
		123	30	40	224	230	95	112	134	224	193	153	142						
		14	5	8		18	14	13	14	16	16	8	13						
STRATFORD DEM FARM E94333 39 20S 174 18E M A F	311	GR N119872582												1867	2051	91	71	9	7
		122	21	37	255	228	101	121	143	255	218	214	152						
		10	3	6	11	17	12	11	12	17	17	8	12						
RIVERLEA E94401 39 26S 174 04E W J MCCARTY	259	GR N119653458												1265	1693	75			
		96	42	62	139	176	105	135	93	134	133	37	113						
		13	4	12	14		11					4	11						
ROWAN E94412 39 24S 174 06E M EYNON	375	GR N119680503												2093	2375	88	164	9	7
		128	52	71	166	243	136	263	207	228	333	52	214						
			4	9			13	17	13	18		8	17						
KAPUNI E94413 39 28S 174 10E NATURAL GAS CORPORATION	173	GR N119746410												83					
			29	48	74	134	65		70	79	123	61							
			4	9	9	18	14		10	10		8	11						
ELTHAM E94422 39 26S 174 17E ELTHAM COUNTY COUNCIL	183	GR N119857471												1246	1594	78	59	9	7
		73	24	28	155	163	68	97	106	164	172	77	119						
		12	3	5		19	15	13	11	14	16	15							
MANAIA DEM FARM E94512 39 32S 174 09E M A F	98	GR N129727347												924	1224	75	66	21	4
		59	34	69	147	108	64	56	54	115	90	44	84						
		10	4	10	12	14	15	11	9	14	15	6	14						
INAHA E94513 39 35S 174 11E J D MCCALLUM	61	GR N129762282												798	1119	71	25	14	9
		73	33	56	80	98	72	33	53	88	81	50	81						
		9	4	10	10	14	13	7	9	12	15	6	14						
NORMANBY E94526 39 30S 174 15E M A F	122	GR N129827373												766			24	24	8
		50	23	37	81	105	47	38	82	97	86	36	84						
		9	3	7	13	13	13	9	14	16	14	6	14						

* ESTIMATED

RAINFALL IN MILLIMETRES
NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

STATION AND OBSERVER

E SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
OKAIAWA NO 2 E94527 39 33S 174 12E D G CROMPTON	98	GR N129778320 48 26 39 74 101 48 40 47 78 73 32 63 669 9 4 11 15 8 12 12 7 11															29	14	9	
HAWERA E94528 39 35S 174 17E A J ANDERSON	3	GR N129842277 76 37 62 91 120 79 45 67 98 96 68 90 929 10 4 9 12 16 14 13 10 14 15 8 17 142															30	17	5	
TAUMATATAHI E94571 39 33S 174 47E W J GOWER-JAMES	61	GR N130334327 138 38 50 118 220 66 93 92 150 99 68 141 1273 3 3 18 17 9												1465	87					
NUKUHAU E94661 39 36S 174 40E K MILES	442	GR N130217263 83 43 65 115 175 57 104 70 123 93 86 94 1108 14 4 11 16 20 10 10 21 14 10 13												1460	76	30	20	5		
PATEA E94743 39 45S 174 28E PATEA HOSPITAL BOARD	43	GR N136038080 90 37 47 108 92 51 28 87 113 104 71 83 911 9 3 9 11 14 13 8 10 13 13 7 10 120												1048	87	41	21	4		
WAVERLEY E94751 39 46S 174 35E R HARDEN	61	GR N137126081 88 35 51 96 105 61 45 81 138 92 70 100 962 3 8 12 9 10 10 12 12 7 12												1147	84	31	21	4		
WAIPIPI IRONSANDS E94862 39 49S 174 36E WAIPIPI IRONSANDS LTD	27	GR N137156996 77 34 38 94* 120 51 26 85 98 94 67 83 867																		
RUATITI E95212 39 14S 175 10E M HOGAN	354	GR N111692716 141 78 102 182 244 14 5 12 12 17																		
ORAUHOA E95322 39 20S 175 14E A W VOELKERLING	323	GR N121748592 105 51 51 126 161* 155* 56 82 188 119 56 77 1227 4 10 12 14 9 12 16 12 9												1437	85					
RAETIHI NO2 E95323 39 22S 175 16E I W PENNY	549	GR N121781543 125 44 70 113 237 122 61 80 215 145 77 94 1383 4 18 13 22 13 13																		
OHAKUNE JUNCTION E95445 39 24S 175 25E NATIONAL PARK BOARD	629	GR N121921512 108 42 49 119 232 133 65 85 200 135 66 80 1314 16 7 11 13 19 15 9 12 18 18 11 13 162												1487	88	39	4	10		
KARIOI E95451 39 29S 175 31E N Z FOREST SERVICE	648	GR N122014422 80 52 34 87 223 131 56 52 137 97 49 74 1072 13 6 7 12 17 14 9 10 20 14 11 14 147												1190	90	42	20	5		
WAIOURU E95464 39 28S 175 40E M W D	823	GR N122153437 70 47 27 59 185 134 57 28 105 88 57 68 925 12 6 6 11 17 15 10 9 17 14 7 11 135												1059	87	38	20	5		
WAIOURU MILITARY CAMP E95465 39 28S 175 41E N Z MET SERVICE	823	GR N122172428 81 58 28 63 199 136 62 33 113 94 59 73 999 14 6 5 12 17 15 10 7 17 15 6 13 137												1141	88	45	20	5		
OKEORE PARAPARA E95532 39 31S 175 20E MRS N E SOMMERVILLE	472	GR N131845370 75 31 30 86 234 100 59 65 170 132 74 78 1134 3 7 12 7 10 14 11 13												1265	90	43	20	5		
MOAWHANGO, HOME-STEAD E95583 39 35S 175 52E R A L BATLEY	503	GR N132343291 38 39 21 72 157 102 32 25 80 120 38 65 789 11 3 4 8 16 15 8 8 16 14 5 9 117												891	89	39	4	10		
MARUA E95592 39 32S 175 57E J D CHRYSTALL	762	GR N132403350 35 38 22 62 141 99 63 24 88 97 31 69 769 3 4 9 14 16 8 13 12 4 9												975	79	38	20	5		
AHU AHU VALLEY E95614 39 41S 175 06E AHU AHU LTD	85	GR N131628162 78 40 50 80 194 91 82 79 108 92 65 108 1067 13 2 7 11 17 12 11 12 17 15 6 13 136														43	20	5		
NGAMATEA E95641 39 41S 175 25E D I HINE	366	GR N131923175 59 40 29 51 210 79 36 45 134 116 15 62 876 9 2 5 5 11 5 6 12 12 3 9												1075	81	70	20	5		
MATAROA E95671 39 40S 175 42E N Z ELECTRICITY DEPT	564	GR N132190200 57 55 43 68 246 100 63 50 101 134 90 75 1082 13 4 6 11 17 14 13 11 15 15 10 16 145												1150	94	49	20	5		
TIKERERE MOAWHANGO E95682 39 36S 175 52E W D CHRYSTALL	488	GR N132351260 49 38 21 60 158 102 34 26 84 113 40 58 783 11 5 4 8 16 13 9 5 16 12 6 11 116												911	86	41	20	5		
TAIHAPE E95683 39 41S 175 48E TAIHAPE BOROUGH COUNCIL	433	GR N132284174 49 54 41 62 175 121 21 34 88 118 52 70 885 11 3 8 8 18 16 6 9 17 11 5 15 127												1001	88	40	4	10		
RAKAUNUI E95691 39 38S 175 57E S MOSS	561	GR N132424234 31 36 25* 61 153 78 45 32 50 130 32 56 729 3 5 10 13												1016	72	42	20	5		

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

E SECTION	HT METRES	GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M			
		NZMS JAN	1 FEB	GRID MAR	REFERENCE APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC									
KOEKE ESTATES E95751 39 45S 175 34E H A ROGERS	579	GR N132076124 72 48 24 74 206 101 52 44 127 127* 58 85 1018 1179 86 11 2 3 8																				
CAIRNMUIR MANGAWEKA E95781 39 47S 175 48E D B BUCHANAN	457	GR N139275058 95 48 44 65 205 103 46 52 110 144 68 131 1111 1169 95 36 13 12 12 3 9 8 18 14 46 11 16 15 9 17																				
KAHUI, TAIHAPE E95783 39 42S 175 52E MRS R FANNIN	518	GR N132342146 45 47 34 68 167 108 34 36 81 133 47 71 871 949 92 42 27 6 10 2 8 12 17 13 9 8 15 11 6 13 124																				
HESSETT TAOROA E95791 39 42S 175 55E J H MARSHALL	442	GR N132389154 42 49 36 61 198 100 38 39 83 147 45 66 904 954 95 46 20 5 8 3 6 18 14 8 8 17 12 5 9																				
OXTON E95831 39 53S 175 20E J N TRIPE	82	GR N138842917 82 44 38 66 141 68 27 59 95 67 44 63 794 1025 77 27 20 5 14 2 6 10 17 13 7 15 10 6 10																				
MANGAONOHO E95862 39 53S 175 39E A R TAIT	290	GR N139147926 84 51 35 58 200 101 32 37 148 103 49 55 953 1044 91 60 20 5 5 5																				
POUKIORE #E95864 39 52S 175 37E MRS D NOTTAGE	320	GR N139110940 87 52 42 66 227 113 29 33 129 109 43 70 1000 1081 93 57 20 5 16 3 10 10 17 15 5 7 12 6 13																				
OHINGAITI MANGAMAKO E95873 39 53S 175 46E L R BROOKS	311	GR N139242923 61 52 33 57 198 91 39 34 106 120 51 63 905 999 91 56 20 5 12 3 6 9 17 14 10 8 15 13 9 14 130																				
TE PARAPARA E95891 39 53S 175 57E R J D MCKEAN	610	GR N139429928 96 56 56 75 210 86 68 51 95 141 62 91 1087 1253 87 45 20 5 6 13 20 15 12 11 18 17 10 16																				
WANGANUI E95902 39 56S 175 03E WANGANUI CITY COUNCIL	22	GR N138578864 81 35 37 67 94 55 16 37 75 77 35 83 692 891 78 24 22 10 13 2 7 11 14 13 6 8 12 12 5 12 115																				
WANGANUI AIRPORT E95903 39 58S 175 01E CIVIL AVIATION DIV MOT	9	GR N138556831 57 28 32 59 101 52 21 36 89 74 39 89 677 858 79 28 22 10 12 2 8 9 13 11 7 7 13 11 6 10 109																				
OKOIA, MANGAONE E95911 39 56S 175 11E F PRATT	160	GR N138702875 99 41 41 64 135 64 28 61 99 78 43 81 834 1027 81 28 20 5 14 2 7 10 15 12 6 12 14 11 5 11 119																				
MANGAHOE VLY. FERRIBY #E95941 39 55S 175 25E A H THEED	118	GR N138929892 84 47 47 53 153 67 25 49 108 80 55 65 833 986 84 48 20 5 2 8 8 16 13 6 9 15 12 6 10																				
NGAHERE ITI E95903 39 59S 175 33E G RHODES	195	GR N144037791 73 46 32 65 166 78 24 47 135 81 48 56 851 1019 84 49 20 5 14 4 7 10 19 5 8 20 12 7 10																				
TIROROA REWA E95951 39 58S 175 38E R W NEWCOMBE	229	GR N139135826 77 47 44 66 193 78 27 37 131 95 55 65 915 1002 91 53 20 5 16 2 9 10 17 14 6 7 17 11 8 14 131																				
PAKIHUKURA #E95971 39 58S 175 44E R G WILDE	335	GR N139214838 81 46 47 71 204 88 44 44 121 114 64 69 993 1069 93 57 20 5 17 4 8 14 11 11 20 15 13 15																				
APITI E95981 39 58S 175 53E V O JENSEN	457	GR N139351818 92 53 48 78 256 90 59 45 138 130 76 97 1162 1266 92 54 20 5 14 7 7 13 18 14 7 12 21 15 10 13 151																				
TABLE FLAT E95992 39 58S 175 59E MRS J JENSEN	686	GR N140461830 119 72 59 95 324 124 126 64 150 183 73 99 1488 1722 86 64 20 5 16 8 11 17 19 12 13 21 16 12 16																				
F SECTION																						
PATURAU F02641 40 41S 172 24E F R J COWIN	30	GR S002826035 156 22 209 307 161 110 151 91 212 162 176 186 1943 1761 110 5 14 15 13 9 12 13 15																				
BAINHAM F02751 40 46S 172 33E MISS L M LANGFORD	79	GR S003966929 252 23 217 761 437 215 415 243 564 660 425 458 4670 3792 123 287 14 4 15 3 11 14 12 11 8 19 14 17 16																				
TAKAKA F02882 40 52S 172 48E NELSON CATCHMENT BOARD	15	GR S008207792 126 09 81 509 177 109 304 118 235 318 245 304 2535 1838 138 170 14 4 2 6 12 11 6 6 9 16 11 13 13																				
TARAKOHE F02891 40 49S 172 54E GOLDEN BAY CEMENT CO	3	GR S008290848 75 06 58 354 100 57 144 60 176 156 156 180 1522 1533 99 104 14 4 5 1 4 13 10 6 8 9 11 12																				

* ESTIMATED

RAINFALL IN MILLIMETRES
NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

STATION AND OBSERVER F SECTION	HT METRES	GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M					
		NZMS 1 JAN	GRID FEB	REFERENCE MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC											
HAMAMA F02972 40 54S 172 47E P WOOD	46	GR S008192742																						
								242	471	189	399													
				16	12	12																		
URUWHENUA F02981 40 59S 172 49E G SOWMAN	91	GR S008213655																						
		136	04	65	531	239	155	309*	177	260	607	153	480*	3116	2160	144	196	8	12					
		8	1	6	12	12	9	6	7	11	12	12	12											
FAREWELL SPIT F03501 40 33S 173 01E MARINE DIVISION MOT	3	GR S004398181																						
		83	16	138	138	84	63	74	66	261	100	90	115	1228	1264	97	72	24	9					
		8	2	9	12	12	8	8	7	15	14	11	12	118										
TOTARANUI F03801 40 49S 173 00E NATIONAL PARK BD	10	GR S009383846																						
		101	06	79	375	144	132	163	81	220	203	170	229	1903	1831	104	146	14	4					
		8	1	7	10	10	8	7	5	14	9	13	14	106										
NGAKAWAU F11683 41 36S 171 52E W LEONI	4	GR S024346912																						
		329	66	166	337	251*	140	218	161	354	211	195	331	2759			139	14	4					
		19	8	15		17	14	5	14	19	13	15	21											
WESTPORT AIRPORT F11752 41 44S 171 35E CIVIL AVIATION DIV MOT	2	GR S024073745																						
		251	60	133	277	248	124	197	139	223	175	145	313	2285	2186	105	87	8	7					
		18	6	18	13	18	16	6	12	20	15	14	19	175										
WESTPORT F11761 41 45S 171 36E MARINE DIVISION MOT	3	GR S024086737																						
		245	55	129	311	218	114	178	140	210	169	143	319	2231	2228	100	95	14	4					
		17	6	16	14	17	15	6	13	21	16	14	23	178										
INANGAHUA F11891 41 51S 171 57E M W D	61	GR S031411601																						
		226	21	143	284	452	126	237	170	317	294	165	282	2717	2316	117	119	9	5					
		18	7	14	13	16	15	7		19	14													
INANGAHUA LANDING F11991 41 55S 171 55E MISS R O REGAN	60	GR S031377535																						
					289*	458	128	239	150	272				2266										
				12																				
COBB POWER STATION F12071 41 05S 172 44E N Z ELECTRICITY DEPT	213	GR S013132530																						
		121	13	86	263	214	197	317	163	344	338	118	182	2356	2045	115	178	9	7					
		16	2	10	11	14	10	8	8	15	13	14	15	136										
COBB DAM F12162 41 06S 172 41E N Z ELECTRICITY DEPT	823	GR S013090505																						
		150	23	106	264	266	213	254	120	383	347	126	218	2470	2230	111	140	14	4					
		16	5	10	12	15	13	7	8	20	13	16	19	154										
KARAMEA F12211 41 15S 172 07E N Z POST OFFICE	4	GR S012567337																						
		222	56	191	278	246	181*	106	96	195*	141*	136	210	2058	1802	114	135	14	4					
				15	13																			
ARAPITO F12213 41 16S 172 10E EASY FARM KARAMEA	20	GR S012609316																						
		269	65	235	301	297	221	127	114	221	195	189	236	2470			136	14	4					
		18	9	19	15	17	12	7	13	23	16	15	21	185										
WANGAPEKA F12462 41 26S 172 38E MRS V G BELL	259	GR S019033119																						
		138	13	123	296	237	151	141	77	324	198	81	146	1925	1740	111	172	14	4					
		13	3	10	12	11	14	7	8	17	12	12	16	135										
SEDDONVILLE F12501 41 32S 172 00E M TURNER	21	GR S025452973																						
		352	53	239	361	358	176	265	173	282	295	220	395	3169	2908	109	156	14	4					
		18	8	16	14	17	13	6	14	20	17	17	16	176										
LAKE ROTOROA F12752 41 47S 172 35E NATIONAL PARK BOARD	443	GR S033993669																						
		231	29	137	243	288	133	136	112	340	205	140	169	2163			118	14	4					
		19	9	12	11	17	17	8	12	23	17	19	18	182										
HOWARD F12761 41 46S 172 39E N A FLEMING	470	GR S026056706																						
		200	26	114	318	277	134	175	101	271	260	152	190	2218	1884	118	146	14	4					
		14	6	12	9	13	11	5	8	20	17	16	19	150										
MURCHISON F12831 41 48S 172 20E M WIGHT	160	GR S032751665																						
		196	34	94	215	305	116*	148	86	216	179	117	182	1888	1549	122	81	14	4					
		17	7	11	13	14	14	5	10	19	14	13	20	157										
MANGLES VALLEY F12842 41 50S 172 24E H D ROUSE	232	GR S032825638																						
		190	23	100	198	297	124	142*	76	208*	169*	132	170*	1829	1594	115								
				7	8	12	9	7																
LAKE ROTOITI F12882 41 48S 172 51E NATIONAL PARK BOARD	634	GR S033221656																						
		165	14	108	230	212	121	104	90	218	151	106	184	1703	1580	108	106	14	4					
		15	4	12	11	13	11	5	9	18	16	18	16	148										
HOKITIKA AIRPORT F20793 42 43S 170 59E N 7 MFT SERVICE	39	GR S050542560																						
		355	92	237	389	257	202	325	195	360	279	312	354	3357	2809	120	166	17	11					
		20	10	16	14	18	14	10	14	22	17	13	23	191										
KOWHITIRANGI FAIRHAVE F20892 42 53S 170 59E T W LYES	30	GR S057533381																						
		496	105	369	516	376	243	356	237	372	410	344	404	4228	3094	137	153	6	4					
		19	9	17	13	17	14	8	14	19	16	13	18	177										
ROSS F20981 42 54S 170 49E MRS N J BRENNAN	30	GR S057392333																						
		470	73	326	453	226	223	330	187	339	315	339	419	3700	3228	115	175	6	4					
		18	8	15	12		13	7		22	13	14												

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

F SECTION	HT METRES	GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		NZMS 1 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
PUNAKAIKI F21132 42 06S 171 20E LANDS AND SURVEY DEPT.	4	GR S37850295 288 76 193 276 309 221 246 170 244 290 223 392 2928 19 12 17 13 18 16 8 15 22 15 14 23 192															98	4	1
MAI MAI F21174 42 10S 171 45E I CAMPBELL	168	GR S038225237 181 39 147 182* 354 127 272 103 295 183 107 195 2185 16 8 10 18 11 6 9 18 12 10 15 15 1462 149 122 9 7																	
REEFTON F21181 42 07S 171 52E N Z STATE COAL MINES	204	GR S038331285 187 36 130 220 301 123 266 114 247 216 122 280 2242 19 14 14 14 16 7 9 18 17 12 21 21 1904 118 148 9 7																	
REEFTON F21182 42 07S 171 52E N Z FOREST SERVICE	198	GR S038325287 192 37 140 237 313 118 287 120 245 208 125 292 2314 19 10 14 16 18 13 7 12 18 16 11 19 173 1971 117 145 9 7																	
BARRYTOWN F21231 42 13S 171 20E R K RICHARDS	30	GR S037844164 322 84 222 358 369 249 265 130 309 318 194 420 3240 21 12 20 14 17 15 8 15 22 17 14 25 200 2575 126 107 8 12																	
WAIMAUNGA F21272 42 14S 171 42E J D BAYNES	122	GR S038177140 193 39 141 163 329 103 162 84 250 144 91 214 1913 16 9 12 12 103 6 9 13 13 20 20 1744 110 66 9 7																	
RAPAHOE #F21322 42 22S 171 15E P EWEN	31	GR S044769975 364 97 259 306 325 277 272 161 370 324 233 389 3377 24 17 21 16 19 17 11 19 24 21 17 24 230 101 9 7																	
REWANUI STATE MINE F21331 42 22S 171 19E SUPERINTENDENT	192	GR S044830968 378* 106 350 406* 498* 313 369 214 616 480 301 524* 4555 378* 106 350 406* 498* 313 369 214 616 480 301 524* 4555 3796 120																	
BLACKBALL F21341 42 22S 171 25E A J COYLE	107	GR S044923985 347 65 242 345 471 195 348 168 365 293 228 288 3355 19 10 17 14 18 14 7 16 20 15 14 24 188 3064 109 143 9 7																	
ATARAU F21351 42 20S 171 30E F T CHRISTIE	43	GR S045005026 291 51 271 318 585 173 265 125 400 286 220 277 3262 16 10 16 13 18 14 6 12 14 13 21 21 2578 127 105 9 5																	
TOTARA FLAT F21361 42 18S 171 37E N Z FOREST SERVICE	77	GR S045106060 221 33 188 188 332 114 176 93 264 143 88 193 2033 17 11 15 14 18 13 6 12 18 14 11 20 169 1914 106 80 9 7																	
GREYMOUTH F21421 42 27S 171 12E GREYMOUTH HARBOUR BOARD	3	GR S044735884 278 75 221 239 255 184 288* 109 303* 227* 172 268 2619 278 75 221 239 255 184 288* 109 303* 227* 172 268 2619 2505 105 140 9 7																	
GREYMOUTH F21422 42 28S 171 12E BOROUGH COUNCIL	4	GR S044722869 283 65 250 277 263 214 298 116 343 287 205 276 2877 20 12 19 12 19 14 10 16 19 15 14 14 2458 117 140 9 7																	
DOBSON F21431 42 27S 171 18E NZ ELECTRICITY DEPT	12	GR S044821878 332 81 271 239 348 276 249 139 383 277 194 310 3099 22 14 15 13 15 15 9 17 21 15 15 21 2764 112 105 9 7																	
PAROA F21512 42 31S 171 10E P W FRANKPITT	11	GR S044704803 318 85 245 287 340 208 283 142 412 289 207 294 3110 19 13 19 14 14 8 16 20 16 13 20 20 2619 119 114 8 7																	
MAORI GULLY RD F21532 42 30S 171 22E N G HARDIE	143	GR S044880808 418 102 342 354 528 293 252* 187* 412 326 327 361 3902 21 12 19 15 18 15 9 9 22 17 15 25 123 17 11																	
ARNOLD POWER STATION F21541 42 32S 171 25E N Z ELECTRICITY DEPT	75	GR S051918792 394 99 310 351 510 269 262 162 397 307 292 317 3670 19 11 20 15 18 15 9 16 22 16 14 25 200 2967 124 100 4 1																	
INCHBONNIE F21641 42 41S 171 27E R A ADAMS	116	GR S051957587 629 125 559 617 669 366 366 278 622 630 438 515 5814 20 11 19 14 17 13 10 15 21 17 16 16 4570 127 189 20 10																	
ROTOMANU F21653 42 39S 171 34E C H MCLELLAN	107	GR S052075636 461 101 398 404 493 245 249 176 415 342 272 358 3914 19 10 20 14 15 14 9 15 17 15 13 20 181 3279 119 97 30 5																	
KOWHITIRANGI NO 2 F21801 42 53S 171 02E D WELLS	46	GR S058583353 452 97 369 475 335 211 295 195* 359 394 306 429 3917 18 9 17 14 17 14 8 20 20 17 13 20 3619 108 133 8 12																	
KOKATAHI F21802 42 50S 171 02E T J O'CONNOR	24	GR S058588402 442 72 330 479* 358 231 301 186 406 344 318 414 3881 18 17 17 13 16 8 10 11 11 11 11 11 143 17 11																	
LAKE KANIERE F21812 42 48S 171 08E WEST COAST POWER BOARD	133	GR S058677458 474 105 394* 509 442 303 345 253 512 428 346 469 4580 21 11 18 16 17 14 9 15 22 19 16 23 201 3936 116 139 8 12																	
OTIRA SUBSTATION F21851 42 50S 171 34E N Z ELECTRICITY DEPT	383	GR S059057418 693 108 647 532 885 421 477 281 811 752 465 549 6621 23 10 18 14 17 15 9 15 23 16 16 23 199 4911 135 264 20 10																	

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL >= 1.0 MM

F SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
DUMFREITH F22021 42 04S 172 15E J W THOMSON	347	GR S039679351 236 21 115 139 360 117 206 105 288 214 118 226 2145 16 7 11 13 7 10 17 13 9												1918	112	98	9	7	
SPRINGS JUNCTION F22311 42 20S 172 11E DEPT OF LANDS AND SURVEY	421	GR S046614020 308 50 258 263 429 178 224 127 307 273 161 275* 2853 20 9 16 13 7 12 17 16												2226	128				
GREY ROBINSON RIVERS F22401 42 28S 172 01E D GROOM	366	GR S046463864 396 68 374 326 535 214 214 147 405 226 187 362 3454 20 17												2818	123				
PUKEKURA F30061 43 00S 170 40E MR R MULHOLLAND	86	GR S64262197 550 85 354 423 300 238 303 192 361 410 320 535 4071 20 10 18 13 14 14 8 11 22 15 14 22 181														169	8	12	
HARI HARI F30153 43 09S 170 33E N Z FOREST SERVICE	45	GR S064158036 557 89 402 478 404 359 323 261 459 542 369 578 4821 21 11 18 15 14 14 9 14 22 14 16 23 191												3724	129	179	8	12	
OKARITO F30212 43 13S 170 09E P G AND E D GRAHAM	10	GR S063806932 605 91 356 437 270 221 279 218 359 280 267 463 3846 22 8 18 15 17 14 8 9 22 14 11 21 179														141	12	1	
LOWER WHATAROA F30231 43 12S 170 22E R W VINCENT	30	GR S063998967 579 119 412 474 388 286 301 230 561 416 355 519 4640 24 9 17 14 14 12 7 12 22 12 14 21 178												3564	130	152	6	4	
WHATAROA F30233 43 16S 170 22E MRS A MURRAY	64	GR S071992887 791 117 429 551 421 319 373* 287 564* 526 383 671 5432 20 9 14 13												4280	127	195	8	12	
FRANZ JOSEF F30311 43 23S 170 11E TOURIST HOTEL CORP.	122	GR S071829745 964 141 557 645 602 491 477 357 636 22 11 19 15 13 13 7 13 23												4950					
FRANZ JOSEF F30312 43 23S 170 10E LANDS AND SURVEY DEPT	155	GR S071832728 1002 167 618 598 591 472 450 353 636 764 487 761 6899 21 13 21 15 15 14 7 15 22 16 17 23 199														237	26	6	
FOX GLACIER F30402 43 28S 170 01E MRS M I SULLIVAN	152	GR S071687638 790 168 519 426 489 405 503 324 601 610 458 569 5862 22 12 19 15 14 14 8 12 22 17 17 23 195												4548	129	217	31	7	
MAHITAHU F39662 43 38S 169 36E MRS B CONDON	30	GR S078322408 1077 170 630 437 482 285 388 252 616 463 384 533 5717 25 11 18 14 14 10 14 23 15 13 22												4270	134	224	11	1	
BRUCE BAY PT F39664 43 36S 169 36E D SMITH	5	GR S078313456 956 161* 482 414 379 246 334 268 390* 328* 508*																	
PARINGA F39741 43 43S 169 29E T CONDON	43	GR S078215331 1113 154 637 409 622 337 494 321 696 624 651 632 6690 24 19												5280	127	223	17	11	
HAAST TOWNSHIP F39802 43 52S 169 02E M W D	11	GR S087839111 777 174 523 400 339 320 281 234 499 341 302 401 4591 24 9 21 14 14 11 23 23 17 14 20														193	9	3	
MILFORD SOUND F47691 44 40S 167 55E CIVIL AVIATION DIV MOT	3	GR S113900111 1588 234 1119 367 786 418 387 364 809 411 628 601 7712 24 13 20 18 14 14 13 16 21 18 14 23 208												6213	124	360	9	3	
HAAST PASS F49132 44 06S 169 22E M WILLCOCKS	524	GR S098127851 777 124 561 426 576 381 364 282 715 479 360* 487* 5532												4218	131				
PUYSEGUR POINT F66161 46 09S 166 37E MARINE DIVISION MOT	43	GR S173871251 287 94 190 184 187 171 162 113 170 146 79 211 1994 26 13 25 18 20 23 23 19 20 15 11 23 236												2272	88	55	18	1	
G SECTION																			
GREVILLE HARBOUR #G03882 40 48S 173 49E MRS F M LEOV	229	GR S010140848 57 08 87 118 71 57 101 62 129 105 140 121 1056 6 1 7 10 8 6 9 7 13 13 11 11 102												1118	94	49	4	11	
STEPHENS IS G04601 40 40S 174 00E MARINE DIVISION MOT	187	GR S006313017 38 11 93 64 36 39 52 55 146 100 78 69 781 8 1 6 8 9 9 7 7 13 16 11 11 106												818	95	39	23	3	
RIWAKA VALLEY G12091 41 03S 172 55E E DRUMMOND	61	GR S013304571 88 10 55 281 120 119 310 139 340 293 77 171 2003 10 3 5 11 10 9 7 15 12 8 13												1775	113	188	9	7	
RIWAKA, MOTUEKA G12191 41 06S 172 58E PLANT DISEASES DSIR	8	GR S014351514 68 04 57 234 87 94 249 122 210 205 47 133 1510 5 1 6 12 10 8 8 7 14 11 5 12 99												1393	108	165	9	7	

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

G SECTION	HT METRES	NZMS 1 GRID REFERENCE				MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	NORMAL	% OF	MAX	D	M	
		JAN	FEB	MAR	APR															
LOWER MOUTERE G12193 41 09S 172 59E P A BESIER	5	GR S014372442				182	71	85	209	107	169	144	35	118	1216	1228	99	135	9	7
		48	04	44	12	11	8	7	6	11	6	12								
WESTERN LOWER MOUTERE G12194 41 10S 172 58E G A PALMER	13	GR S013347434				166	76	85	195	111	187	155	38	119	1235	1265	98	122	9	7
		53	03	47	5	10	7	7	6	15	11	7	12							
GRAHAM V. POKORORO G12281 41 12S 172 50E R M BENSEMANN	152	GR S013219389				211	116	140	315	145	396	205	61	163	1931	1621	119	185	9	7
		95	09	75	14	13	11	7	9	16	12	11	15	129						
BATON G12371 41 19S 172 43E NELSON CATCHMENT BOARD	201	GR S019121245				225	202	141	212	92	338	179	59	118	1794	1554	115	120	14	4
		112	08	108	13	12	15	7	8	17	11	11	14							
STANLEY BROOK G12381 41 19S 172 50E W MALCOLM	116	GR S019215243				174	98	118	160	105	234				1251					
		68	03	67	8	10	11	8	6	16										
TAPAWERA G12382 41 23S 172 48E N Z FOREST SERVICE	146	GR S019197160				177	97	113	114	70	197	94	58	103	1178		99	14	4	
		70	11	74	9	13	11	8	7	15	13	11	13	123						
DOVEDALE G12391 41 18S 172 55E MRS G A DOUGLAS	137	GR S019292277				185	66	93	200	95	196	138	34	119	1242	1194	104	126	9	7
		63	03	50	10	12	9	7	6	14	11	11								
MOTUPIKO G12481 41 27S 172 49E NELSON CATCHMENT BOARD	183	GR S019199077				199	97	109	107	68	183	103	50	106	1178	1135	104	101	14	4
		79	11	66	11	10	9	7	6	17	12	14								
HIGHFIELD G12491 41 29S 172 59E T J HUNT	259	GR S020358048				230	92	104	229	92	176	188	64	170	1506	1246	121	153	9	7
		98	03	60	9	11	9	6	5	17	16	15	14							
KAKA G12561 41 34S 172 41E K A POLGLAZE	396	GR S026084942				337	196	100	225	126	238	258	159	181	2104	1701	124	126	14	4
		165	15	104	12	10	11	8	11	18	15	15	19	148						
TE TOWAKA G13082 41 00S 173 50E MRS M A KNIGHT	15	GR S010150619				284	98	51	152	125	180	128	231	226	1641	1465	112			
		79	03	84	1			5												
MOTUEKA G13102 41 07S 173 01E C D WILSON	3	GR S014395497				209	75	87	260	107*	181	164	30	122	1352	1263	107	177	9	7
		62	04	51	5	12	9	7	7	7	15	11	13							
WHANGAMO A 2 G13154 41 11S 173 31E P MITCHELL	61	GR S015844410				475	98	41	198	116	157	241	216	323	2021	1590	127	172	14	4
		86	02	68	7	11	10	6	6	7	17	12	15	108						
POKOKINI G13193 41 06S 173 56E MRS K M JONES	30	GR S015236486				370	161	59	176	151	238	273	223	248	2039	1736	117	109	14	4
		81	03	56	8	13	8	8	9	18	16	12	12							
CRAIL BAY PELORUS SD G13195 41 06S 173 57E G H CLARKE	13	GR S016264487				376	145	47	161	160	242	247	227	223	1959			140	14	4
		71	03	57	8	13	14	10	8	9	19	15	12	124						
HARAKEKE G13201 41 13S 173 01E M NAYLOR	14	GR S014385361				186	66	66	219*	127	164*	147*	32	110	1216	1170	104	142	9	7
		57*	00	42	7				5	6										
MAPUA G13203 41 15S 173 05E P WELLS	15	GR S014456327				182	59	47	180	80	142	120	39	114	1062	976	109	131	9	7
		58	01	40	1	8	10	5	5		12	9	9							
APPLEBY G13211 41 17S 173 06E PLANT DISEASES D S I R	17	GR S020465276				185	61	45	173	82	131	117	68	119	1078	971	111	121	9	7
		59	01	37	5	10	10	5	6	6	17	10	11	94						
NELSON AIRPORT G13222 41 17S 173 14E N Z MET SERVICE	2	GR S020581266				174	68	36	126	62	125	102	55	139	1004	1005	100	83	9	7
		72	06	39	5	10	11	4	6	6	15	12	9	96						
MAITAI VALLEY G13232 41 17S 173 21E MISS I WILLIAMS	116	GR S020700275				364	102	50	255	129	149	238	133	316	1878	1521	123	186	14	4
		97	02	43	6	12	12	4	6	7	17	13	17	114						
RAI VALLEY G13251 41 14S 173 35E N Z FOREST SERVICE	79	GR S015909344				480	153	74	290	104	202	378	252	435	2535	2029	125	205	14	4
		115	00	52	8	10	11	7	8	7	16	13	12	108						
HAVELOCK G13271 41 17S 173 46E N Z POST OFFICE	30	GR S021076276				364	140	45	300	153	203*	353*	139	247*	2088	1695	123	198	9	7
		109	00	35	5	11	10	6												
LINKWATER G13281 41 17S 173 52E MRS S PARKES	18	GR S021171263				314	121	47	248	152	176	348	86	218	1828	1489	123	152	9	7
		88	00	30	7	11	11	8	7	9	17	13	8	105						

* ESTIMATED

STATION AND OBSERVER		RAINFALL IN MILLIMETRES																			
		NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM																			
G SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M		
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC								
MOUTERE HILLS		GR S020442196																			
G13301	41 21S 173 04E	110	60	03	51	177	76	53	184	96	130	118	48	141	1137	1073	106	122	9	7	
M W D			8	1	7	11	10	8	6	6	18	12	11	14	112						
BRIGHTWATER		GR S020493168																			
G13312	41 23S 173 08E	46	68	04	57	203	79	51	148	111	129	118	55	176	1199	1064	113	94	9	7	
J W ETHERINGTON			8	1		11	11		5	5	16	13	12	13							
RÓDING RIVER		GR S020612192																			
G13321	41 22S 173 16E	183	105	07	51	265	109	57	197	107	175	199	110	368	1750	1416	124	124	8	12	
NELSON CITY COUNCIL			7	2	8	11	11	7	5	8	15	13	13	13	113						
CANVASTOWN		GR S021984252																			
G13363	41 18S 173 40E	14	97	00	37	390	138	55	254	149	173	388	159	296	2136	1697	126				
A G GREIG			7	0	3	12	11	9		7	15	14	10								
HAVELOCK SUBURBAN		GR S021074208																			
G13371	41 20S 173 46E	17	81	00	37	316	107	65	217	134	167	309	123	230	1786	1525	117	159	14	4	
A G GIBSON			6	0	3		11	8		7	15	12	9	10							
KOROMIKO		GR S022254194																			
G13391	41 21S 173 58E	24	73	01	32	288	101	71	158	100	167	267	72	137	1467	1475	99	100	14	4	
THE PRINCIPAL			5	1	3	9		8	8	8	12	14	9	6							
WAKEFIELD NO 3		GR S020422141																			
G13404	41 24S 173 03E	56	75	04	54	195	93	76	238	127	133	150	65	177	1387	1145	121	157	9	7	
MRS R WRATT			11	2	6	10	10	8	6	5	17	14	11	13	113						
ASHDOWN STN		GR S021997057																			
ONAMALUTU																					
G13461	41 28S 173 41E	116	92	01	38	326	130	85	255	142	198	342	110	226	1945	1572	124				
J BRIGGS			6	0	6	10	10			7	13	11	9								
RAPAURA, BLENHEIM		GR S021139033																			
G13484	41 28S 173 50E	91	49	00	24	191	62	22	132	89	124	123	61	130	1007			83	9	7	
J J SANDALL			4	0	3	6			6	5	12										
GROVETOWN		GR S022251027																			
G13491	41 29S 173 58E	6	27	00	23	115	36	16	94	67	95	95	26	86	680	688	99	68	9	7	
D C STACE			4	0	3	5	9	5	6	7	11	10	4	5	69						
FABIANS VALLEY		GR S021897004																			
G13551	41 31S 173 35E	152	89*	14	20	289	103	84	302	128	184	307	100	243	1863	1321	141	180	9	7	
B E POWELL			6			6	8	7	5	6	14		9	11							
WAIRAU VALLEY		GR S028883945																			
G13552	41 33S 173 34E	124	67	03	33	179	68	50	241	86	120	163	49	149	1208	1009	120	167	9	7	
J L DILLON			7	1	5	7	10	6	6	6	13	11	9								
BLENHEIM AIRPORT		GR S028165986																			
G13581	41 31S 173 52E	27	49	01	22	148	48	20	99	62	100	93	40	85	767	747	103	68	14	4	
CIVIL AVIATION DIV MOT			4	0	3	5	12	7	4	7	12	10	6	5	75						
SEVENOAKS		GR S028123966																			
G13582	41 32S 173 49E	55	42	02	22	164	56	25	119	71	109	125	39	106	880	779	113	80	9	7	
MRS E GOULTER			4	1	3	7	9	6	6	6	12	11	5	5	75						
FAIRHALL		GR S028144936																			
G13583	41 33S 173 51E	65	44	01	19	141	47	23	89	56	100	100	46	94	760	700	109	68	14	4	
D A BOOKER			4	1	3	5	5	5	6	7	12	10	7	7							
BRANCOTT VALLEY		GR S028141954																			
G13584	41 32S 173 50E	64	40	01	22	150	49	22	95	61	99	106	37	90	772			71	14	4	
MONTANA WINES LTD			4	0	4	6	11	7	6	7	13	11	6	6	81						
BLENHEIM		GR S028241993																			
G13592	41 31S 173 57E	4	36	01	27	115	41	16	82	58	99	82	32	77	666	671	99	58	9	7	
O R MARSHALL			4	0	5	5	12	6	5	5	12	9	5	5	73						
WITHER HILLS, BLENHEIM		GR S028247953																			
G13595	41 32S 173 57E	32	30	01	23	103	42	13	72	43	93	87	32	69	608	661	92	50	14	4	
M W D			5	0	4	6	12	5	5	6	11	8	6	5	73						
BENEAGLE		GR S028144936																			
G13596	41 35S 173 56E	183	31	00	34	108	40	39	79	54	97	80	31	75	668	844	79				
D G H TODD			4	0	4					5				7							
BIRCH HILL		GR S022623833																			
G13621	41 39S 173 17E	290	86	05	47	187	92	73	210	90	143	232	53	216	1434	1115	129	117	9	7	
P R MACKENZIE			9	2	8	7	9		5	7	13	14	9	11							
THE WYE		GR S027669857																			
G13633	41 38S 173 20E	274	78	05			102*	72	230	89	127	211	66	180		1139					
MRS D I BRAISHER			8	2				7	6	7	14	14	11	11							
GLENMAE		GR S027733883																			
G13641	41 37S 173 24E	229	81	06	52	160	93	66	187	81	137	193	55	148	1259	1079	117	119	9	7	
R ARMSTRONG			7	1	8		9	9	6	5	15	15	11	10							
WAIHOPAI POWER STN		GR S028891813																			
G13651	41 40S 173 34E	262	64	11	44	122	65	122	146	63	109	143	32			906					
MARLBOROUGH POWER BD.			7	2	8	7	9	6	6	6	15	14	9								

* ESTIMATED

RAINFALL IN MILLIMETRES
 NUMBER OF DAYS WITH RAINFALL >= 1.0 MM

STATION AND OBSERVER				RAINFALL IN MILLIMETRES													NUMBER OF DAYS WITH RAINFALL >= 1.0 MM		
G SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
TYNTESFIELD G13671 41 36S 173 45E H E ENSOR	183	GR S028058881 34 00 22 121 56 32 107 67 105 112 35 117 808 5 0 3 6 10 4 7 15 10 5 8												736	110				
THE LEATHAM G13721 41 45S 173 12E K W RYAN	466	GR S027550719 130 05 65 208 149 92 294 88 169 178 68 212 1658 12 2 8 9 12 8 5 6 13 10 13 14 112												1184	140	188	9	7	
SPRAY POINT G13741 41 44S 173 26E MRS G ILLINGWORTH	457	GR S027752731 106 04 63 125 129 69 156 65 149 159 56 157 1238 10 2 8 7 7 8 5 7 15 14 14 12												1038	119	69	9	7	
AOTEA G13782 41 47S 173 49E K H VAN ASCH	305	GR S035114659 42 16 26 84 69 52 105 48 123 146 46 174 931 6 3 4 6 6 6 4 6 11 8												891	104	84	9	12	
THE HALDONS G13791 41 45S 173 59E MRS J WARD	262	GR S029262710 26 07 23 81 34 21 83 29 89 107 32 106 638 5 2 4 7 10 5 5 5 13 10 7 9 82												766	83	65	9	7	
MARAMA G13792 41 44S 173 56E R H DICK	213	GR S028208731 35 03 25 87 43 23 87 43 98 130 31 134 739 4 1 4 6 9 6 5 6 10 12 6 9 78												811	91	67	9	7	
DUNTRON G13871 41 49S 173 46E W L OSWALD	311	GR S035058627 44 12 33 85 72 81 128 50 133 163 55 140 996 6 3 4 7 5 6 6 6 13 8												863	115				
UPTON FELS G13881 41 49S 173 52E C T D SANDALL	396	GR S035144627 164 57 136 7												784					
MIDDLEHURST G13941 41 59S 173 27E J W B STEVENSON	732	GR S034768418 43 143												676					
UPCOT AWATERE VALLEY G13951 41 54S 173 34E J W B STEVENSON	518	GR S035891553 45 16 31 95 84 44 137 41 93 187 65 134 972 5 5 4 7 12 5 4 5 10 12 11 11 91												762	128	100	9	7	
TITIRANGI BAY G14012 41 01S 174 09E V MOLETA	46	GR S016434583 67 15 64 269 134 74 167 115 206 205 162 195 1673 8 4 6 12 13 10 9 9 17 17 13 11 129												1567	107	78	9	7	
MANAROA G14101 41 07S 174 02E T JAMESON	10	GR S016330462 58 02 61* 314 130 59 124 119 211 326 229 220 1853 6 1												1565	118				
WAITARIA BAY G14102 41 10S 174 02E MISS M MCNICOL	12	GR S016328412 66* 03 58 442 171 59 182 162 250 365 252 285 2295 1 5 13 13 10 8 17 16 11												2070	111	162	14	4	
THE BROTHERS LIGHT G14141 41 06S 174 27E MARINE DIVISION MOT	66	GR S016702471 16 11 35 115 60 33 71 42 128 66 56 100 733 3 3 5 10 11 9 9 5 10 15 9 8 97												777	94	51	9	12	
PICTON FREEZING WORKS G14201 41 17S 174 00E PICTON FREEZING WORKS	30	GR S022294271 53 00 31 250 111 61* 141 95 160 254 6 0 4 10 13 8 8 14 15												1334					
PICTON G14204 41 17S 174 01E J A KAY	30	GR S022312268 49 00 36 264 109* 55 158 95 154 248 76 151 1395 7 0 4 9 14 8 8 7 12 14 8 8 99												1411	99	84	9	7	
PICTON NO 2 #G14205 41 17S 174 01E J A KAY	30	GR S022313268 55 00 40 294 112 71 172 102 166 266 87 161 1526 7 0 5 12 15 10 11 8 15 15 9 9 116												1465	104	89	9	7	
PICTON SOUTH G14303 41 18S 174 01E M P KAY	23	GR S022294249 56 01 40 290 113 58 159 101 172 283 90 145 1508 6 0 4 12 13 9 8 8 14 16 8 9 107												1748	86	95	14	4	
OCEAN BAY G14311 41 20S 174 06E W R STRANG	9	GR S022377202 61 32 67 253 113 47 147 130 197 226 84 177 1534 6 8 5 10 13 9 8 8 14 15 8 10 114												1333	115	91	9	12	
MARSHLANDS G14401 41 27S 174 00E CHAYTOR AND CO	3	GR S022290063 29 02 27 128 52 21 83 67 116 115 35 102 777 6 1 4 7 11 6 7 12 12 6												787	99	56	9	12	
VERNON LAGOON G14501 41 32S 174 02E M W D	2	GR S029313963 20 01 29 86 25 09 63 40 80 62 22 58 495 5 0 4 6 9 5 4 6 11 7 4 6 67												605	82	44	9	7	
SEDDON G14601 41 40S 174 05E MARLBOROUGH COUNTY CNL	85	GR S029346793 11* 03 22 68 36 11 69 46 86 64 18 56 490 1 4 6												654	75				
SEAVIEW G14611 41 37S 174 09E R E BULFIN	17	GR S029415859 17 05 40 72 24 09 49* 41 90 61 28 65 501 5 1 4 8 8 6 4 5 12 11 5 8 77												651	77	33	9	12	

* ESTIMATED

STATION AND OBSERVER		RAINFALL IN MILLIMETRES														NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM				
G SECTION	HT METRES	NZMS 1 GRID REFERENCE	NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM												YEAR	NORMAL	% OF	MAX	D	M
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
UGBROOKE G14613 41 37S 174 06E H G VAVASOUR	61	GR S029374863	27 6	05 1	42 5	89	30 6	17 7	64 5	54 5	103 11	74 13	28 4	68 7	601	716	84	43	9	7
WAI ITI G14702 41 45S 174 05E R A JACKSON	76	GR S029354711	20 2	07 4	40 4	71 7	35 8	18 8	64 5	30 4	70 11	70 10	28 7	81 9	534	699	76	46	9	7
LAKE GRASSMERE G14711 41 44S 174 09E DOMINION SALT LTD.	2	GR S029408723	16 6	06 2	35 3	61 7	24 8	07 2	57 4	29 3	62 10	40 9	19 4	57 6	413 64	597	69	43	9	7
CAPE CAMPBELL G14721 41 44S 174 17E MARINE DIVISION MOT	3	GR S029525717	22 6	15 2	29 3	53 7	19 5	11 3	39 3	27 5	77 10	25 8	24 4	54 6	395 62	676	58	30	9	12
CHANCET WARD G14811 41 50S 174 11E H J THOMSON	20	GR S036431592	26 4	23 4	45 4	79 8	32 8	22 6	57 5	20 3	78 9	54 9	44 6	66 9	546	769	71	34	9	7
BOYLE RIVER LODGE G22532 42 31S 172 23E KAIAPOI HIGH SCHOOL	600	GR S053797796												145 149						
HANMER FOREST G22581 42 31S 172 51E N Z FOREST SERVICE	387	GR S054217787	38 10	25 4	78 9	101 11	278 17	58 14	119 11	66 9	131 13	149 12	66 11	108 12	1217 133	1202	101	53	14	10
THE POPLARS G22641 42 36S 172 26E G BUNTING	539	GR S053837701	143 3	09 3	141	66	269	84	152	70 11	228	135	69	128	1494	1220	122			
GLYNN WYE STN G22651 42 36S 172 31E D T MACDONALD	427	GR S054907702	71 13	01 0	70 8	60 9	211	42 7	102*		112 12	104 13	37	59		1030				
MOLESWORTH G23011 42 05S 173 16E DEPT. OF LANDS AND SURVEY	893	GR S041592307	43 6	26 2	35 7	92 9	143 15	34 5	95 7	44 4	98 12	124 12	47 11	131 9	912 99	681	134	68	9	7
ELLERTON G23091 42 01S 173 59E G RODGERS	61	GR S043256373	19 3	24 4	66 3	29 8	30 9	73*	48 3	18*	73*	59*	47 8	64	550	810	68			
NGAIO DOWNS G23092 42 04S 173 57E D G TODHUNTER	24	GR S042213312	07 3	22 3	50 3	25 8	27 8	58 8	42 4	22 5	71 8	54 8	39 7	65 7	482 72	724	67	37	9	12
IMPHAL G23182 42 06S 173 51E A D APPLEBY	85	GR S042126278	06 3	23 5	40 3	31 9	46 10	93	45 4	26 4	77 9	123 9	85 8	84 11	679	910	75	83	14	10
MERIBURN STN CLARENCE G23183 42 11S 173 53E MRS J R JOHNSTON	46	GR S042158175	14 4	61 11	79 8	95 14	86	76	49 7	39 8	77 10	109 8	72 9	84	841	994	85	56	14	10
MATARIKI, CLARENCE #G23193 42 09S 173 54E J G MURRAY	61	GR S042167226	03 1	25 4	62 4	42 9	41 10	69 8	43 3	37 4	71 6	75 7	47	70	585	853	69			
SAWYERS DOWNS G23341 42 23S 173 29E W L WEAVERS	183	GR S048792953	11 3	46 6	61 4	98 8	134	70 9	84 9	26	61	202 10	47	104	944	1155	82	112	14	10
GRANGE ROAD, HAPUKU G23361 42 19S 173 40E J P EMMS	137	GR S049959016	14 6	84 12	153 8	153 8	163 15	80 9	91 7	40 7	88 10	246 10	82 11	99 11	1293 114	1524	85	120	14	10
KAIKOURA PLAINS G23363 42 23S 173 39E J H CRAMPTON	21	GR S049944943	04 2	31 5	80 5	85 11	93 10	59 8	67	26 8	76 9	122 8	37 9	55 12	735			54	16	3
KAIKOURA FLATS G23364 42 22S 173 39E KAIKOURA DAIRY CO	24	GR S049943943	05 2	34 6	90 5	102 11	104 13	70 9	76 8	28 7	80 10	138 8	39 9	71 12	837 100			65	14	10
KAIKOURA WEST G23461 42 24S 173 41E KAIKOURA COUNTY COUNCIL	7	GR S049964918	01 1	18 5	33 5	61*	47*	32	33 5	10 5	52 8	39 7	21 9	26 9	373	942	40	23	16	3
HALDON DOWNS G23463 42 24S 173 37E D H BEATTIE	30	GR S049900912	10 5	36 7	74 6	107 14	82 13	78	76 9	24 6	75 10	99 9	48 9	80 12	789	1065	74			
KAIKOURA G23471 42 25S 173 42E N Z MET SERVICE	108	GR S049973893	08 3	19 4	55 5	92 10	59 11	45 6	53 8	11 4	73 8	92 7	40 8	61 10	608 84	886	69	38	16	3
KEKERENGU STATION G24002 42 00S 174 00E T J LATTER	30	GR S043265395	07 3	26 9	62 3	42 10	27 7	93 8	73 7	20 5	91 9	73 11	65 7	81 10	660 89	956	69	43	9	12

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL >= 1.0 MM

H SECTION	HT METRES	GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M	
		NZMS 1 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
ARTHURS PASS H21951 42 57S 171 34E DEPT OF LANDS AND SURVEY	738	GR S059055285 538 64 524 463 757 345 449 248 560 643 416 472 5479 21 7 15 11 17 16 8 12 21 14 17 22 181														3995	137	220	20	10
ARTHURS PASS STORE H21952 42 56S 171 34E J BROWNIE	748	GR S059054287 568 69 598 500 812 364 473 245 603 690 426 517 5865 21 8 5 12 15 13 7 11 20 15 16 17 178														4650	126	264	20	10
ARTHURS PASS LAMBRECH H21954 42 56S 171 33E NORTH CANT C B	740	GR S059053286 578 68 555 518 828 372 407 256 640 732 466 511 5931 21 9 14 12 15 13 8 11 20 15 17 23 178																261	20	10
LAKES STATION H22721 42 46S 172 16E C A NURSE	604	GR S060691477 107 07 92 91 198 118 156 67 196 108 57 141 1338 13 1 8 12 12 9 7 10 11 9 10 12 114														1225	109	67	9	7
ISLAND HILLS H22751 42 45S 172 33E A C SHAND	380	GR S061951498 41 22 76 82 172 48 101 38 154 132 63 100 1029 9 7 9 9 13 10 9 6 11 8 10 11 112														1126	91	46	14	10
RIVERSIDE H22781 42 43S 172 53E M ROBERTS	207	GR S054243549 18 21 41 62 117 41 76 22 100 71 30 106 705 6 6 7 10 14 10 8 6 12 9 7 12 107														735	96	31	14	10
CULVERDEN H22782 42 46S 172 51E N Z POST OFFICE	173	GR S061211483 09 26 01 45 105 38 78 25 79 86 25 116 633 2 1 12 4 2 9 4 8														621	102	49	19	12
CULVERDEN H22783 42 46S 172 53E M W D	174	GR S061242482 20 28 63 90 36 74 19 91 59 22 93 3 5 10 12 10 7 5 9 8 6 11																		
KANUKU HILLS H22851 42 49S 172 32E R A DALZIEL	365	GR S061930424																		118* 11
BALMORAL FOREST H22871 42 52S 172 45E N Z FOREST SERVICE	198	GR S061117371 17 27 27 58 122 38 74 43 99 71 23 80 679 6 6 6 10 13 10 7 5 9 7 9 11 99														622	109	35	14	10
MELROSE STN H22941 42 55S 172 26E D K RUTHERFORD	457	GR S060831304 53 30 57 68 144 71 79 31 168 88 71 110 970 9 4 10 11 8 9 6 14 9 12 12														969	100	36	24	9
MASONS FLAT H22951 42 54S 172 32E R M INWOOD	335	GR S061932318 31 32 57 67 114 60 62 26 148 57 63 112 829 5 5 8 9 9 7 5 13 7 10 12														774	107	29	9	7
GLENALLEN H22961 42 59S 172 39E D M CARR	244	GR S061023223 15 28 40 70 94 52 66 34 113 69 43 83 707 3 4 5 10 13 9 6 4 12 7 6 11 90														728	97	24	9	7
FLAX HILLS H23431 42 28S 173 21E W B CLARKSON	335	GR S048665839 09 27 62 98* 118* 38 72 32 51 130 28 78 743 2 4 5 5 7 5 5 8 5 10														1025	72	66	14	10
GOOSE BAY, KAIKOURA H23451 42 28S 173 31E W M DOWLE	20	GR S049822827																		58 70
WHALESBACK STN H23511 42 30S 173 11E STATION MANAGER	463	GR S048510814 22 37 61 118 303 66 122 64 124 167 51 151 1286 3 6 5 9 14 12 12 10 11 11 7 14 114														1372	94	69	14	10
MIKONU #H23551 42 32S 173 30E N Z RAILWAYS	15	GR S056800760 06 23 74 96 87 52 56 15 81* 111* 51 65 717 3 8 5 10 8 8 4														1025	70	48	16	3
HIGHFIELD H23602 42 39S 173 04E MRS P S NORTHCOTE	168	GR S055403637 11 32 44 88 120 46 79 29 90 76 38 98 751 4 5 5 10 16 9 10 5 10 4 12														855	88			
WAIJU H23603 42 39S 173 03E L K HILLS	137	GR S055384621 10 29 19 70 112 42 70 27 88 79 20 86 652 4 5 5 7 16 9 10 5 10 10 5 9 95														813	80	27	14	10
KEINTON COMBE H23611 42 36S 173 06E J R G CHAFFEY	213	GR S055444673 10 30 53 80 161 46 85 33 99 101 46 104 848 2 4 6 17 9 10 6 13 9 9 12														1046	81	50	20	5
FERNIEHURST H23631 42 36S 173 19E MRS J WILDING	137	GR S055637678 20 34 66 100 218 65 115 43 131 129 47 91 1059 4 7 4 11 13 9 9 9 13 8														1186	89	80	20	5
HAWKSWOOD H23632 42 39S 173 20E R M MACFARLANE	152	GR S055639614 17 34 76 128 167 93 146 53 124 140 35 91 1104 3 6 5 12 12 7 8 9 9 9 6 14 100														1216	91	70	14	10
CONWAY FLAT H23641 42 38S 173 27E B K MAC FARLANE	43	GR S055747633 09 23 64 94 96 49 50 15 86 86 38 48 658 4 6 4 11 7 7 10 7 10 7 9														847	78			

* ESTIMATED

RAINFALL IN MILLIMETRES
NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

STATION AND OBSERVER		HT METRES	NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM												YEAR	NORMAL	% OF	MAX	D	M		
H	SECTION		NZMS 1 GRID REFERENCE																			
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC								
SPOTSWOOD			GR S055617505																			
H23731	42 45S 173 18E	27	12	15	57	96	65	83	79	15	93	102	24	66	707	812	87					
R M STEVENSON			4	3	6	11	9	8	8	5			9	9								
LOWRY HILLS STN			GR S062434447																			
H23811	42 48S 173 06E	244	08	26	42	88	106	58	66	14	108	92	42	71	721	878	82	37	14			
D T ARCHBOLD			4	6	6	10	15	10	10	3	10	7	8	9	98							
CHEVIOT			GR S62590428																			
H23822	42 48S 173 16E	85	11	23	50	98	52	81	58	17	100	92	28	59	669			36	14			
CHEVIOT AREA SCHOOL			4	6	6	11	13	9	7	5	8	7	7	9	92							
GORE BAY			GR S062618379																			
H23831	42 51S 173 19E	15	26	17	46	101	46	60	42	17	115	75	47	59	651	853	76	41	10			
A W BESTIC				4	4						8											
KILMARNOCK			GR S062475283																			
H23911	42 56S 173 09E	91	15	20	62	96	97	62	57	18	131	103	52	74	787	922	85	43	10			
A M DEANS			5	5	8	10	14	9	9	5	10	9	8	10	102							
ETHELTON			GR S062424327																			
#H23913	42 54S 173 06E	91	11	16	41	81	84	94	64	20	121	96	57	68	753	821	92					
N Z RAILWAYS								11		5				8								
EREWHON			GR S080432593																			
H30581	43 31S 170 52E	610	160	09	121	159	227	214	240	143	316	234	156	185	2164	1530	141	95	9			
A A URQUHART			14		9	11				7		9		20								
MESOPOTAMIA			GR S080466432																			
H30691	43 38S 170 54E	552	97	04	68	100	103	172	124	83	182	153	66	127	1279	956	134	66	26			
L B PROUTING			11	1	9		11	7	5	8		10	10									
THE HERMITAGE, MT COOK			GR S079761313																			
H30711	43 44S 170 06E	765	690	98	578	419	722	358	352	193	582	449	532	398	5371	3985	135	175	5			
NATIONAL PARK BOARD			19	6	17	14	15	12	9	10	21	14	14	21	172							
LILYBANK STATION			GR S080172351																			
H30751	43 43S 170 34E	686	103	05	68	117	143	162	177	136	225	171	83	138	1528	1124	136	72	26			
THE MANAGER			13	3	9	8	11	9	5	6	14	13	10	16	117							
BRAEMAR			GR S089857005																			
H30921	43 59S 170 12E	533	111	04	51	101	75	104	102	94	148	127	43	103	1063	905	117	73	26			
THE MANAGER				1					2													
MT JOHN			GR S089092011																			
H30941	43 59S 170 28E	1027	69	06	35	82	49	105	82	54	87	86	23	68	746	581	128	73	26			
UNIVERSITY OF CANTERBURY			7	2	5	9	8	7	5	5	11	10	5	7	81							
MT HAY STATION			GR S090159035																			
H30951	43 58S 170 32E	762	59	06	36	73	53	111	43	57	120	82	21	65	726	738	98	72	26			
J SIMPSON				2		7			2													
DEEPBURN			GR S090426084																			
H30981	43 56S 170 51E	518	90	26	102	138	67	92	79	45	143	131	44	151	1108	979	113	66	26			
W J BUTTERS			12	9	8	11	10	7	6	6	13	12	13	15	122							
MT WHITE STN			GR S066389149																			
H31091	43 03S 171 56E	610	131	30	44	101	130	102	218	47	174	119	46	127	1269	1045	121					
MRS R J MARSHALL				4	6		12	9					10									
GLENTHORNE			GR S065953995																			
H31141	43 11S 171 27E	610	126	04	129	178	251	163	243	76	277	167	151	221	1986	1546	128	96	9			
THE MANAGER			13	2		13		11	8			12										
CRAIGIEBURN FOREST			GR S066191028																			
H31172	43 09S 171 43E	914	146	13	125	152	236	121	259	278	281	250	135	196	2192	1584	138	115	9			
N Z FOREST SERVICE			14	3	11	11	14	9	9	9	15	14	16	19	144							
HARPER RIVER			GR S065966957																			
H31241	43 13S 171 28E	533	119	09	113	148	202	149	202	68	211	130	131	190	1672	1249	134	95	9			
N Z ELECTRICITY DEPT			15	4	11	13	13	11	8	9	15	11	12	18	140							
SIMOIS CREEK			GR S074042870																			
H31251	43 17S 171 34E	549	105	03	60	98	93	162	150	53	163	91	76	121	1175	988	119					
N Z ELECTRICITY DEPT																						
CASTLE HILL			GR S066199938																			
H31271	43 14S 171 43E	741	76	09	61	105	170	122	150	31	186	131	75	134	1250	932	134	70	9			
THE MANAGER			13	4	9	11	15	10	6	6			11	15								
DOUBLE HILL			GR S073800835																			
H31321	43 19S 171 16E	762	111	11	87	143	190	182	196	106	225	182	126	181	1740	1335	130	78	9			
B H HUTCHINSON			12	5	12	11	13	10	5	9		11	13	18								
GLENARIFFE			GR S073887837																			
H31331	43 19S 171 22E	457	77	04	54	134	158	118	170	55	160	94	89	134	1247	855	146	71	9			
MARINE DIVISION MOT				1	7			5	5		9											
PEAK HILL			GR S073955833																			
H31341	43 19S 171 27E	411	64	01	56	96	146*	117	170*	52*					886							
STATION MANAGER				1																		

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL >= 1.0 MM

H SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
L COLERIDGE HOMESTEAD H31351 43 21S 171 35E J MURCHISON	514	GR S074078793	68	03	55	95	83	85	146	48	189	85	87	134	1078	898	120	80	9	7
LAKE COLERIDGE H31352 43 22S 171 32E N Z ELECTRICITY DEPT	364	GR S074026772	78	06	55	95	102	121	125	42	144	87	57	126	1038	842	123	65	9	7
MT TORLESSE H31391 43 19S 171 56E R B JOHNSON	378	GR S074379828	75	26	57	140	85	75	99	26	131	117	78	191	1100	1055	104			
HIGH PEAK STN H31471 43 27S 171 44E THE MANAGER	457	GR S074207667	100	16*	71	135	111	98	127	50	169	85	79	154	1195	1171	102	62	9	7
HIGHBANK POWER STN H31572 43 35S 171 44E N Z ELECTRICITY DEPT	336	GR S082205513	65	22	59	118	73	46	94	35	136	66	35	167	916	987	93	52	9	7
HORORATA WEST H31581 43 32S 171 51E L A PEARCE	287	GR S082316568	53	25	57	120	80	61	83	36	142	56	45	150	908	966	94	48	9	7
HORORATA H31591 43 33S 171 54E MRS K M FOSTER	213	GR S082353552	51	24	52	109	78	60	82	35	130	53	58	140	872	885	99	48	9	7
WOODLANDS H31592 43 32S 171 58E D W STONE	366	GR S082226577	61	33	64	150	96	73	112	40	136	88	51	205	1109	1166	95	58	9	7
HORORATA SUBSTATION H31593 43 33S 171 59E N Z ELECTRICITY DEPT	192	GR S082426549	40	16	45	112	71	55	76	30	113	48	35	134	775	809	96	45	9	7
STAVELEY H31642 43 39S 171 27E R M MEHRTENS	381	GR S081954433	93	45	89	165	87	53	106	54	164	97	65	236	1254	1250	100	55	9	7
SPRINGBURN H31643 43 41S 171 29E A T SMITH	332	GR S081986377	66	36	69	125	59	34	87	39	133	66	41	167	922	915	101	53	9	7
ALFORD FOREST H31651 43 38S 171 32E M G GRIGG	390	GR S082017472	80	45	77	151	72	52	106	59	178	99*	53	220	1192	1160	103	56	25	9
ALASKA METHVEN H31655 43 36S 171 34E R M JESSEP	402	GR S082056476	81	44	86	159	84	47	98	51	159	90	54	216	1169	1224	96	48	9	7
METHVEN H31661 43 38S 171 39E N Z POST OFFICE	314	GR S082130442	64	37	70	140	69	38	104	39	124*	58*	30	203	976	977	100	65	9	7
GREENFIELDS HIGHBANK H31671 43 36S 171 44E F RIDGE	305	GR S082206475	63	25	61	115	72	47	92	38	143	70*	29	185	940	955	98	49	9	7
CREESIDE H31681 43 39S 171 49E A J DIXON	226	GR S082290403	35	22	53	112	64	42								827				
TE PIRITA MEAD H31691 43 38S 171 59E K R TAYLOR	152	GR S082433376	26	08	37	115	71	47	76	26	106	37	21	105	675	772	87	44	9	7
KUAPAU MAYFIELD H31721 43 45S 171 16E K NICOL	427	GR S091798288					60	64	78	40	213	75	41	146*						
EVANDALE H31733 43 42S 171 20E R G RODGERS	396	GR S081863361	69	34	85	129	58	64	89	37	176	76	71	181	1069	988	108	60	9	7
SOMER DOWNS H31736 43 42S 171 23E B R AHEARN	381	GR S081904363	71	31	80	126	59	52	85	27	171	65	52	194	1013			52	9	7
MT SOMERS H31742 43 42S 171 24E B LUXON	366	GR S081913349	90	23	78	131	57	46	84	28	165	58	47	165	972	1041	93			
BUCCLEUGH MT SOMERS H31743 43 44S 171 29E J B HARPER	296	GR S081982322	78	23	73	126	51	34	83*	35	146	60	38	145	892	906	98	47	9	7
LYNDHURST H31771 43 43S 171 42E F M AND G P WILSON	232	GR S082172354	56	20	52	120	66	34	81	32	147	48	32	149	837	821	102	51	9	7

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

H SECTION	HT METRES	NZMS 1 GRID REFERENCE				MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	NORMAL	% OF	MAX	D	M	
		JAN	FEB	MAR	APR															
HIGHAM CHERTSEY H31791 43 47S 171 56E A H WILKINSON	128	GR S092376258 37 19 44 7 8 7 16				152	79	42	80	38	125	46	33	107	802	775	103	44	9	7
SOMERTON H31792 43 46S 171 55E R W HOLLIS	137	GR S092367289 36 18 42 7 6 6 14				137	78	44	69	32	118	41	36	104	755	768	98	40	9	7
LOCHABER H31801 43 50S 171 04E P ALLEN	451	GR S091622189 75 18 67 5 8 9				108	68	96	82	42	135	83	36	96	906	858	106	45	9	7
MT PEEL H31822 43 50S 171 15E STATION MANAGER	305	GR S091776195 97 31 104 9 9 9 12				135	60	48	64	47	135	110	91	136	1058	1138	93			
MT PEEL WAIKARI HILLS H31823 43 48S 171 14E MRS F CRUTCHLEY	396	GR S091764246 81 24 90				95	66	55	57	44	131	101	48	115	907	1063	85			
HACKTHORNE H31851 43 48S 171 35E C J HARPER	198	GR S092070241 45 19 55 6 7 7 11				114	46	38	69	31	157	43	33	130	780	809	96	42	9	7
VALETTA A H31852 43 53S 171 35E MRS D GOOSEMAN	140	GR S092079135 36 21 65 6 7 12				125	50	32	63	40	137	49	22	127	767	761	101	38	9	7
LISMORE H31854 43 53S 171 31E R L CARR	179	GR S092016140 37 22 65 7 12				118*	47	35	70	37	172	53	29	119	804	808	100	47	10	9
WINCHMORE H31883 43 48S 171 48E M A F	160	GR S092259251 39 15 43 6 4 6 11				122	67	37	64	31	118	40	27	105	708	759	93	43	9	7
SCOTSBURN PEEL FOREST H31921 43 56S 171 14E R A FARRAR	335	GR S091762085 87 43 115 8 8													1210					
ORARI GORGE H31926 43 58S 171 12E MRS M A DENT	259	GR S091734029 93 58 128 12 12 8 13				175	56	36	85	51	185	118	38	180	1203	1216	99	43	9	7
PEEL FOREST H31927 43 54S 171 16E PEEL FOREST PARK BOARD	274	GR S091790109 88 47 138 8 12 8 15				214	53	33	75	52	172	105	63	191	1231	888	139	55	30	4
HINDS H31941 43 59S 171 26E S W ROBINSON	147	GR S091948015 41 18 65 4 5 6 9				134	43	52	38	33	164	62		100	766					
ASHBURTON H31971 43 54S 171 45E ASHBURTON BOR. COUNCIL	101	GR S092217123 34 12 35 7 5 6 10				110	55	25	48	25	126	30	27	96	623	752	83	39	26	4
WAIPARA H32072 43 03S 172 45E E J WHYTE	76	GR S068118150 07 21 31 2 5 3 8				67	58	50	51	28	104	64	25	85	591	627	94	29	9	9
WAIPARA H32073 43 04S 172 45E N Z FOREST SERVICE	64	GR S068118128 09 17 26 3 5 4 9				70	57	48	49	28	85	64	21	64	538	619	87	28	9	9
WHARFEDALE H32121 43 09S 172 12E N T DUCKWORTH	396	GR S067626030 51 30 37 8 4 7 11				111	142	75	105	32	140	90	62	148	1023	1040	98	58	18	5
AMBERLEY H32171 43 09S 172 43E H H FOSTER	38	GR S068088019 12 24 31 3 5 6 10				74	68	41	49	28	132	67	15	91	632	680	93	38	10	9
GLENTUI H32221 43 14S 172 15E R E JUDSON	274	GR S067665927 56 51 72 7 5 11				122	103	84	82	36	153	77	64	187	1087	1114	98	48	9	7
OKUKU H32232 43 14S 172 23E R H W HAMILTON	152	GR S067789932 32 18 50 5 4 10				97*	88	60	79	34	128	59	35	178	858	883	97			
LOBURN H32242 43 12S 172 29E R F DUGDALE	180	GR S067881974 36 35 53 7 9 7 12				99	99	57	86	37	148	80	38	151	919	951	97	35	9	9
ASHLEY FOREST H32252 43 15S 172 35E N Z FOREST SERVICE	107	GR S068968912 15 26 32 5 7 6 11				91	75	44	66	30	181	50	14	125	749	808	93	54	10	9
OXFORD H32311 43 18S 172 11E MRS G B EVANS	232	GR S075612846 45 43 55 9 3 12				113	71	64	84	38	131*	53*	47	192	936	940	100	51	9	7

* ESTIMATED

RAINFALL IN MILLIMETRES
NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

STATION AND OBSERVER

H SECTION	HT METRES	NZMS 1 GRID REFERENCE	NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM												YEAR	NORMAL	% OF	MAX	D	M
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
RANGIORA QUEEN ST #H32351 43 19S 172 35E G BEATTIE	30	GR S076969835	19 5	25 6	24 5	82 12	74 9	59 9	67 6	26 5	154 10	40 8	18 5	122 11	710 91	735	97	45	25	9
RANGIORA H32352 43 19S 172 34E N Z FOREST SERVICE	46	GR S076951832	23 6	23 6	24 6	77 12	62 10	52 9	56 8	23 7	128 10	42 8	22 8	110 13	642 103	697	92	35	25	9
WOODEND H32362 43 20S 172 40E D E ARCHER	6	GR S074037799	12 4	24 6	23 4	67 11	63 9	60 9	56 7	22 3	105 10	36 7	16 5	85 12	569	637	89	29	9	9
DARFIELD H32412 43 29S 172 08E SELWYN PLANTATION BD	195	GR S075564615	29 6	18 8	38 5	110 11	83 9	58 9	74 7	28 7	113 10	40 8	66 7	126 12	783 99	828	95	42	21	11
EYREWELL FOREST H32424 43 24S 172 17E N Z FOREST SERVICE	158	GR S075690729	30 7	23 5	34 5	91 9	80 10	57 10	68 6	26 6	141 8	46 10	38 6	138 12	778 94	787	99	35	9	7
CHRISTCHURCH AIRPORT H32451 43 29S 172 32E N Z MET SERVICE	30	GR S076918611	14 4	12 5	27 5	93 12	67 10	66 9	63 9	27 7	104 8	20 6	29 5	86 12	608 92	640	95	35	25	9
WAIMAKARIRI BRIDGE H32461 43 25S 172 39E NTH CANTERBURY CATCH BD	5	GR S076022701	15 4	23 6	33 5	92 14	72 8	71 8	58 5	21 10	106 10	38 7	21 6	92 13	642	646	99	32	9	9
WINDSOR H32463 43 29S 172 41E D G LANGE	5	GR S076046612	11 4	18 18	23 2	83	64	60	71	20	89	25	11	84	559			24	9	7
PAPARUA PRISON FARM H32541 43 31S 172 28E JUSTICE DEPARTMENT	37	GR S083856572	16* 3	11 4	18 5	103	74	70	62	24	82	20*	33 5	86*	599	638	94	34	9	7
TEMPLETON H32542 43 33S 172 28E M A F	46	GR S083851544	11 2	14 6	19 6	97 13	67 10	63 9	63 9	16 3	95 9	26 6	21 6	69 7	561 86			32	9	7
PREBBLETON H32554 43 35S 172 31E R A FRENCH	21	GR S084901488	38 3	12 4	19 4	106 12	94 12	69 10	80 10	34 8	110 9	27 6	13 4	76 8	678 90	701	97	32	9	7
CLYDE RD #H32556 43 31S 172 34E T TREWINNARD	18	GR S084946578	21 7	22 9	24 5	110 14	75 11	74 10	75 9	33 6	119 8	33 7	31 6	92 12	709 104			36	25	9
CHRISTCHURCH H32574 43 32S 172 37E CITY COUNCIL	7	GR S084990563	22 5	18 5	35 4	107 11	84 11	70 10	83 10	35 4	118 8	34 7	46 6	85 12	737 93	668	110	32	27	4
SHIRLEY H32563 43 30S 172 40E SHIRLEY GOLF CLUB	6	GR S084030596	13 4	20 7	33 4	88 12	74 11	66 10	74 10	27 6	106 9	29 4	13 4	86 13	629	615	102	33	25	9
BROMLEY, CHRISTCHURCH H32573 43 32S 172 42E CHRISTCHURCH DRAINAGE BD	9	GR S084063568	17 3	22 7	23 4	101 13	98 10	71 9	91 9	28 6	97 10	26 8	14 4	69 11	657 94	623	105	44	18	5
MT PLEASANT H32574 43 34S 172 43E MRS P COLLETT	137	GR S084079517	30 6	29 4	19 3	117 12	137 12	82 10	113 9	38 6	124 9	34 7	22 6	80 13	825 97	702	118	60	18	5
HOROTANE H32575 43 36S 172 42E R MUNDY	76	GR S084057502	24 5	19 5	18 4	105 8	88 12	72 10	95 8	24 5	120	20	20 3	53 8	658	709	93	40	25	9
GODLEY HEAD LIGHT H32581 43 35S 172 48E THE CARETAKER	138	GR S084153489	24 6	30 4	15 4	102 13	129 9	72	92	41	84	18	30*	55 11	692	544	127	64	18	5
DUNSANDEL H32623 43 39S 172 14E H G BRITTAN	73	GR S083631412	22 6	14 6	25 6	102 11	74 9	59 8	68 8	30 6	102 9	33 9	17 9	93 12	639 99	738	87	38	9	7
BURNHAM SEWAGE PLANT H32631 43 37S 172 19E M W D	61	GR S083686438	26 5	15 5	27 5	106 10	73 9	71 9	67 8	25 4	104 10	39 8	19 7	82 9	654 89	683	96	34	9	7
LINCOLN H32641 43 39S 172 28E AGRICULTURAL COLLEGE	11	GR S083850424	31 5	19 5	24 6	101 10	80 10	59 9	76 11	32 5	107 9	31 8	21 9	87 7	668 94	684	98	33	9	7
BROADFIELD, LINCOLN H32642 43 38S 172 28E CROP RESEARCH D S I R	12	GR S083855448	34 7	18 5	22 6	108 14	80 12	63 10	74 11	34 8	106 9	34 8	23 7	88 9	684 106	736	93	30	9	7
LIVING SPRINGS H32662 43 39S 172 39E D BROWN	76	GR S084007417	32 8	25 4	22 5	168 13	198 13	98 13	273	83	165	62	39	98 11	1263			61	17	7

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

H SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
ALBURY H40283 44 14S 170 52E A J KEMP	244	GR S101453717 57 00 71 81 25 40 49 37 161 82 21 105 0 4 7 5 2 2 3 7 2 3 7												729	655	111			
GREYS HILLS STN H40331 44 20S 170 23E L D URQUHART	479	GR S109024596 48 03 45 63 30 78 39 32 67 55 16 62 8 1 7 9 4 8 8 7 9 8 9												538	490	110	60	27	6
FAIRFORD H40381 44 19S 170 51E J D STEVENS	305	GR S110438621 48 11 90 107 27 42 65 29 135 95* 37 128 9 7 5 10 6 4 6 4 10 7 7 14												814	759	107	37	25	9
HEATHERLEIGH CAVE H40383 44 20S 170 52E G A MCKERCHAR	274	GR S110453592 39 28 87 111 26 43 64 32 143 109 39 146 6 6 7 10 7 4 6 5 11 13 8 16												867 99	760	114	36	25	9
BLACK FOREST STN H40421 44 25S 170 16E A A INNES	366	GR S109915481 67 02 51* 82 33 66 48 25 50 71 13 92 1 3 6 4 3 4 7												600	428	140			
MT NIMROD H40481 44 26S 170 53E K G PATTERSON	381	GR S110457472 53 51 97 119 54 48 59 34 156 105 63 136 8 14 7 11 11 6 7 5 10 17 11 17												975 124	926	105	36	26	4
FOXDOWN STN H40491 44 29S 170 55E J J FORD	229	GR S110491413 33 33 87 96 22 37 51 29 113 75 39 127 5 9 7 10 6 2 5 5 9 11 9 14												742 92	678	109	42	25	9
HAKATARAMEA ESTATE H40651 44 36S 170 34E MRS G HARRIS	457	GR S118194268 73 104 27 40 61 27 58 79 18 89 5 3 6 5 10 9 12													606				
HILLSIDE H40652 44 38S 170 31E W R C CLEAVE	442	GR S118150299 71 31 86 112 30 47 44 28 87 118 38 115 5 8 7 11 9 5 6 7 12 14 11 15												807 110			58	12	1
MELFORD HILLS H40771 44 45S 170 46E D MURRAY GARDNER	441	GR S127371075 83 30 77 109 31 38 58 31 98 97 38 135 5 10 7 10 7 5 6 4 8 13 7 14												825 96	693	119	63	12	1
ARDLOGIE PENTLAND HLS H40772 44 42S 170 47E G POWELL	335	GR S118383149 88 23 53 89 32 37 53 23 44 60 24 115 3 6 6 9 6 5 6 3 4 9 5 9												641 71	662	97	77	12	1
IKAWAI H40892 44 52S 170 56E M A F	70	GR S127516938 71 35 67 96 21 46 47 20 92 61 19 89 4 8 8 9 8 4 7 3 8 11 4 13												664 87	554	120	61	12	1
WOODBURY H41011 44 00S 171 10E MRS F S MC ATAMNEY	305	GR S102707994 80 48 121 175 68 46 94 58 191 111 36 177 7 6 12 4 7 6 13 11 6												1205	1127	107	51	9	9
COOPERS CREEK H41024 44 02S 171 17E G G SANDFORD	158	GR S102812968 54 27 91 146 53 34 70 40 178 75 22 108 6 7 6 11 7 3 6 7 11 8 3 12												898 87	829	108	44	26	4
LYNNFORD H41061 44 01S 171 36E M E MCINTOSH	73	GR S103092988 36 25 52 143 48 29 61 31 127 44 30 104 5 6 6 12 7 3 5 5 10 7 5 11												730 82	736	99	41	26	4
KAKAHU BUSH H41111 44 09S 171 06E MRS A J POOKE	122	GR S102647806 55 26 83 134 34 32 73 43 142 88 24 93 7 9 7 11 8 4 6 7 10 8 6 13												827 96	779	106	47	9	7
GERALDINE H41127 44 06S 171 14E N Z FOREST SERVICE	119	GR S102772876 46 27 82 157 36 34 69 30 143 69 21 94 5 6 7 12 7 5 7 6 10 9 3 13												808 90	835	97	45	26	4
ORARI ESTATE H41131 44 08S 171 19E R A MACDONALD	81	GR S102832846 46 23 78 155 36 36 66 29 147 69 34 104 5 6 5 14 8 4 7 6 9 9 5 12												823 90	764	108	44	10	9
RANGITATA TEMUKA H41141 44 07S 171 24E T A MIDDLETON	76	GR S102912867 39 19 76 135 35 33 67 25 133 61 21 109 4 5 5 12 4 4 6 9 9 9 3 12												753	732	103	39	9	7
COLDSTREAM NO 3 H41153 44 09S 171 33E C R MCLACHLAN	12	GR S103038811 40 14 46 124 37 31 57 28 124 44 22 72 4 4 6 10 7 4 5 5 9 8 3 11												639 76	638	100	36	25	9
WAITAWA H41211 44 17S 171 10E G E OLIVER	49	GR S111707660 30 21 71 96 22 34 55 22 117 63* 36 85 4 5 5 10 6 2 6 3 8 10 4 12												652 75	575	113	34	9	7
PLEASANT POINT #H41212 44 15S 171 08E D VALOIS	64	GR S111683679 37 30 85 110 34 38 57 37 148 80 42 115 9 9 9 12 11 5 7 8 14 8												813					
AGHA DOE H41222 44 17S 171 15E D L BROSNANAN	23	GR S111777654 38 25 70 98 20 35 52 25 114 62 40 71 5 5 5 8 3 3 6 3 9 9 11												650	594	109	34	26	4

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL >= 1.0 MM

H SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
TEMUKA H41224 44 15S 171 17E TEMUKA BOROUGH COUNCIL	24	GR S111812696 39 27 79 122 24 37 63 24 129 74 26 133 3 8 5 11 6 2 6 2 9 11 5 13 81												777	646	120	38	9	7
SMITHFIELD H41322 44 22S 171 15E N Z REFRIGERATING CO LTD	5	GR S111781545 35 25 61 108 32 47 59 39 111 64 45 98 6 9 6 12 10 6 4 4 9 9 8 98 724												589	589	123			
TIMARU AIRPORT H41323 44 18S 171 14E CIVIL AVIATION DIV MOT	26	GR S111761629 33 18 70 95 21 40 54 24 136 56 36 74 5 5 6 10 6 2 6 3 9 8 5 12 77												657	574	114	38	25	9
SEADOWN NO2 H41324 44 18S 171 16E K CARGO	9	GR S111804632 20 11 26 66* 14 29 31 12 71 29 21 38 5 3 5 8 3 3 4 2 8 5 6 13 65												368			26	9	6
GORDONS VALLEY H41402 44 27S 171 03E C M CLEMENS	91	GR S111610457 38 19 80 92 17 39 53 27 109 65 26 109 5 4 10 10 6 5 5 3 8 9 5 109 674												674	595	113			
ADAIR H41411 44 26S 171 10E M A F	85	GR S111709474 37 24 66 105 26 45 61 32 132 76 28 94 6 8 6 11 5 4 8 4 10 10 6 13 91												726	589	123	39	25	9
GLENITI RESERVOIR H41414 44 24S 171 11E TIMARU CITY COUNCIL	76	GR S111725523 36 20 76 100 21 44 53 35 130 69 34 90 6 8 7 10 6 4 6 4 10 9 5 14 89												708	613	115	35	9	6
TIMARU H41421 44 25S 171 15E TIMARU CITY COUNCIL	17	GR S111783501 34 24 46 116 23 41 53 36 117 60 47 92 5 8 5 10 6 3 6 3 8 10 10 14 88												689	586	118	36	9	6
TIMARU HARBOUR H41422 44 24S 171 15E TIMARU HARBOUR BOARD	17	GR S111787518 37 21 51 107 21 39 50 40 113 61 36 88 6 4 6 12 6 5 6 6 10 10 9 15 95												664	594	112	35	26	4
SODWALL HUNTER H41502 44 34S 171 01E MRS W S SHEAT	204	GR S119578317 20 21 53 80 18 37 35 19 79 67 26 81 5 9 6 8 6 3 4 3 8 10 8 13 83												536	663	81	34	9	6
HUNTER H41602 44 38S 171 00E G P MEEHAN	137	GR S119578219 44 24 85 91 33 50 50 20 106 73 20 104 3 5 9 8 5 5 4 4 8 9 5 104 700												700	638	110	41	9	6
MOANAROA H41611 44 36S 171 06E J K BOWIE	104	GR S119649267 47 21 60 105 25 53 58 24 103 79 16 92 5 6 7 10 6 3 5 4 10 10 5 13 84												683	589	116	42	26	4
HOOK H41612 44 40S 171 08E MRS I J MCKERCHAR	12	GR S119683186 46 21 46 104* 31 54 51* 23 78 78 10 84 3 7 5 10 5 5 4 3 9 10 3 84 626												626			45	9	6
WAIMATE H41701 44 44S 171 03E WAIMATE COUNTY COUNCIL	61	GR S119606104 45 22 73 107 32 55 52 22 94 72 13 95 3 7 10 9 7 4 6 4 9 13 4 14 90												682	635	107	45	9	6
LAKE OHAU STN H49182 44 10S 169 49E S H WEATHERALL	533	GR S099534781 142 10 85 100 147 136 153 85 190 134 75 119 9 2 5 6 7 6 5 5 11 8 4 119 1376												1376	1188	116	78	8	7
I SECTION																			
OTAMATAPAIO I40501 44 34S 170 05E G H WARDELL	411	GR S117764298 70 10 59 85 47 81 38 25 83 81 20 69 1 6 8 4 5 3 6 10 9 5 7 69 668												668	479	139	46	12	1
BENMORE POWER STN I40511 44 34S 170 11E N Z E D	253	GR S117863303 56 18 44 63 33 61 34 20 95 73 15 59 9 3 4 7 10 5 4 3 12 9 5 10 81												571	439	130	41	26	6
AVIEMORE I40631 44 40S 170 21E N Z ELECTRICITY DEPT	241	GR S117006193 51 17 53 76 20 34 43 19 82 55 15 55 6 3 4 8 5 5 6 4 11 10 4 7 520												520	463	112	38	12	1
LAKE WAITAKI I40641 44 41S 170 25E N Z E D	229	GR S117068153 68 14 63 91 17 36 41 18 88 66 14 70 5 6 4 8 5 3 6 2 10 11 3 9 72												586	541	108	57	12	1
KUROW I40742 44 44S 170 28E WAITAKI CATCHMENT COMM	207	GR S127107100 67 18 71 82 17 26 45 18 72 77 20 81 4 8 6 9 5 3 6 2 11 10 4 13 81												594			54	12	1
DUNTRON I40861 44 52S 170 41E MRS D FITTOCK	158	GR S127298934 91 28 72 91 25 24 44 19 88 71 32 84 3 7 8 10 6 3 6 4 10 11 8 14 90												669	547	122	70	12	1
DANSEY PASS HOTEL I40921 44 59S 170 17E F M MOYNIHAM	625	GR S135953789 174 44 80 96* 79 16 93 42 90 121 23 86 5 9 6 6 3 6 6 9 10 10 4 86 944												944	695	136	140	12	1

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

SECTION	HT METRES	GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M	
		NZMS JAN	1 FEB	GRID MAR	REFERENCE APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
LIVINGSTONE I40952 44 58S 170 34E H LORY	357	GR S127204820 79 50 63 82 22 27 36 11 104 129 36 95 7 7 10 5 4 6 2 10 13 6 15												734			65	12	1	
OAMARU AIRPORT I41901 44 58S 171 05E CIVIL AVIATION DIV MOT	30	GR S128639818													507					
GLEN FINNAN I48581 44 30S 168 50E J C ASPINALL	341	GR S114686355 415 20 225 192 264 260 222 144 332 188 209 143 2614 19 5 12 10 10 8 7 8 17 11 12 15 134												1906	137	108	26	6		
ROUTE BURN STN I48731 44 44S 168 19E R G HAMILTON	381	GR S122241037 502 48 360 128 262 194 115 117 371 156 172 203 2628 7 15 8 7 18 8												1908	138	132	9	3		
EARNSLAW I48741 44 45S 168 24E T J THOMSON	335	GR S123318032 343 26 219 105 190 174 160 89 226 108 145 144 1929 17 6 13 8 9 8 8 14 11 10 14												1418	136	100	9	3		
THE BRANCHES I48771 44 44S 168 44E MRS A L BORRELL	503	GR S123599058 168 05 99 92 118 147 146 81 160 79 95 62 1252 11 6 7 9 6												918	136	84	26	6		
KNOBS FLAT I48901 44 58S 168 01E M W D DUNEDIN	360	GR S131997745 577 68 452 127 343 240 170 142 324 115 181 248 2987 24 11 19 11 14 13 9 11 15 115 10 12												2317	129	112	9	3		
ARTHURS POINT I48961 44 59S 168 40E D CROW	482	GR S132557753 152 24 129 73 118 123 88 54 122 75 60 67 1085 16 8 9 9 12 13 6 8 13 10 8 14 126												889	122	71	9	3		
ARROWTOWN I48981 44 57S 168 50E K J WEASTELL	360	GR S123702813 152 23 118 87 83 127 86 57 161 90 50 64 1098 14 6 8 11 11 13 7 10 10 10 5 9												739	149					
MAKARORA STATION I49222 44 15S 169 13E C S PENNYCOOK	320	GR S107012668 418 37 207 257 276 243 256 180 365 264 266 222 2991 17 5 15 13 12 11 8 9 18 12 12 19 151												2164	138	105	26	6		
RIBBONWOOD I49381 44 22S 169 51E C C MACKAY	610	126 45 57 130 97 122 79 32 198 141 54 116 1197 5 9 4 3												797	150					
MINARET BAY I49411 44 25S 169 07E P A PRESLAND	313	GR S107916467 192 10 100 156 200 203 193 99 261 128 123 148 1813 8 2 7 7												1399	130	74	27	6		
TARA HILLS, OMARAMA I49591 44 32S 169 54E M A F	488	GR S116599344 88 15 44 84 68 104 47 24 95 79 24 69 741 8 2 5 9 11 9 4 4 13 11 7 9 92												526	141	67	12	1		
LAKE HAWEA I49621 44 37S 169 15E ELECTRICITY DIV M O E	350	GR S115050231 135 09 68 132 107 126 113 80 119 76 50 65 1080 12 3 7 9 11 9 6 10 12 9 7 11 106												751	144	69	26	6		
HAWEA FLAT I49631 44 39S 169 18E G P MCCARTHY	335	GR S115097195 130 10 68 126 91 120 96 70 116 78 43 60 1008 12 3 6 10 9 9 6 5 12 9 6 11 98												684	147	74	26	6		
MORVEN HILLS I49651 44 39S 169 30E R M SNOW	442	GR S116269195 112 17 67 129 98 112 61 49 111 101 35 74 966 11 4 6 9 10 9 4 5 13 10 7 11 99												682	142	75	26	6		
WANAKA I49711 44 42S 169 08E N Z POST OFFICE	296	GR S115953124 124 06 55 103 78 129 106 66 101 74 47 63 952 11 2 5 9 8 8 7 6 12 9 6 11 94												667	143	77	26	6		
MT BARKER I49712 44 43S 169 11E R A MATHEWSON	305	GR S124993096 127 07 59 101 68 110 76 55 106 76 48 53 886 10 2 5 9 9 8 6 5 10 10 7 10												625	142	64	26	6		
LUGGATE I49721 44 44S 169 16E MRS B MAXWELL	290	GR S124068065 118 08 40 104* 68 101 58 46 106 59 39 50 797 10 3 5 8 7 8 4 11 8 8 7												559	143	61	26	6		
CARDRONA I49801 44 52S 169 01E J A LEE	518	GR S124854906 135 16 69 94 71 103 49 45 103 72 48 44 849 12 5 5 10 9 8 6 6 13 8 6 8												622	136	60	12	1		
QUEENSBERRY I49822 44 52S 169 17E M W D	277	GR S124099914 110 08 57 104 56 96 52 45 139 77 39 51 834 9 2 5 9 9 10 6 6 12 11 6 9 94														66	26	6		
TARRAS I49841 44 50S 169 26E A P ANDERSON	290	GR S125207965 87 12 57 104 52 65 47 24 85 64 17 38 652 8 4 3 11 8 5 4 9 10 4 4 8												472	138	44	26	6		
UPPER MEG POWER STN I49901 44 58S 169 03E OTAGO CENTRAL E.P.B.	518	GR S133895772 105 20 97 118 61 120 71 41 162 79 40 50 964 8 3 7 9 7 7 8 10 11 6												722	134	83	26	6		

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL >= 1.0 MM

I SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M					
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC											
BENDIGO I49932 44 56S 169 18E M W D CROMWELL	200	GR S124104841 81 09 52 89 30 53 39 26 56 50 20 43 7 3 5 8 6 6 5 5 12 9 7 8												548 81			42	12	1					
BLACKSTONE HILL I49991 44 56S 169 55E MISS M B HENDERSON	579	GR S125630844 87 30 67 112 67 47 78 27 55 89 16 123 6 6 4 12 7 8 6 7 11 11 5 11												798	584	137	64	12	1					
WEDDERBURN I50002 45 01S 170 00E H P GUTSELL	549	GR S135702742 81 30 76 121 27 31 51 18 54 100 18 8 9 4 8 4 3 4 4 9 13 3													565									
NASEBY FOREST I50012 45 01S 170 06E N Z FOREST SERVICE	610	GR S135786735 85 40 88 9 10 7													614									
NASEBY I50013 45 01S 170 08E N Z FOREST SERVICE	607	GR S135831741															114*	24 6	110 12					
DOME HILLS I5007A 45 01S 170 46E OTAGO CATCHMENT BOARD	550	GR S136353748																	43 9	13	126 10	135	48	125
WESTON I50084 45 05S 170 53E M A F	92	GR S136471673 65 47 69 105 21 29 40 16 3 6 6 9 5 3 7 4													610									
ENFIELD I50085 45 03S 170 52E D M BRUNTON	107	GR S136449726 79 43 69 99 22 33 44 17 68 77 17 91 6 6 8 10 6 3 7 4 9 14 5												659			66	12	1					
WINDSOR I50086 45 00S 170 49E M A F	88	GR S136412763 71 38 73 92 19 28 29 24 70 75 13 76 8 7 8 10 4 3 4 5 11 12 2 12												608 86			50	12	1					
OAMARU I50093 45 05S 170 58E NTH OTAGO PROGRESS LGE	5	GR S137552676 57 48 65 111 28 42 43 17 71 71 19 87 4 9 8 11 6 6 7 3 10 13 3 12												659 92			49	12	1					
EDEN CREEK GIMMERBURN I50102 45 11S 170 03E M W D	369	GR S135754547 80 29 69 68 6 6 7 8																						
RANFURLY I50111 45 08S 170 06E N Z POST OFFICE	424	GR S135796614 80 30 78 103 16 17* 41 18 54* 75 14 63 7 7 9 5 3 4 4 9 10 4 7												589	431	137	63	12	1					
WAIPIATA I50112 45 10S 170 09E MRS E M GEDDES	360	GR S135841565 52 24 36 77 09 16 31 17 38 81 14 70 5 4 6 8 4 5 5 3 8 8 5 10												465	389	120	44	12	1					
RANFURLY I50113 45 08S 170 06E MANIOTOTO CTY COUNCIL	427	GR S135795621 70 31 89 91 18 13 34 13 62 62 11 56 8 8 7 9 6 4 6 3 8 12 4 10												550 85	439	125	56	12	1					
KAURU, THE DASHER I50161 45 11S 170 41E MRS L S KANE	549	GR S136293566 65 58 110 116 35 39 40 24 186 101 44 110 8 10 10 12 7 5 8 6 14 13 10 16												928 119	808	115	52	9	3					
ISLAY DOWNS I50241 45 15S 170 28E MRS G A FREELAND	396	GR S146113473 97 48 90 103 33 24 62 37 101 105 29 79 6 9 7 8 3 7 8 10 14 5 10												808	636	127	82	12	1					
HERBERT FOREST I50272 45 15S 170 46E N Z FOREST SERVICE	61	GR S146377485 71 54 129 115 40 46 40 27 129 76 27 98 7 8 10 11 9 4 8 4 12 12 5 13												852 103	635	134	57	9	3					
GLENDALE STATION I50341 45 22S 170 27E B J SUTTON	550	GR S146101330 98 61 115 98 52 33 57 28 111 98 52 100 9 9 10 9 8 6 9 7 13 12 8												903	623	145	76	12	1					
TROTTERS CREEK I50382 45 23S 170 49E J TROTTER	30	GR S146416310 87 59 73 117 36 65 57 23 101 91 29 84 9 9 8 5 7 4 10 6												822	634	130	67	12	1					
KILMORY LUG CREEK I50382 45 26S 170 08E A D MATHESON	343	GR S145835245 118 53 165 107 15 23 52 28 109 98 35 130 7 9 5 5 6 5 12 8												933	730	128	86	12	1					
NENTHORN I50431 45 28S 170 20E A R HARVIE	360	GR S145002223 79 55 76 79 28 18 45 19 44 73 51 76 8 9 7 10 9 4 9 6 10 10 13												643	560	115	60	12	1					
PALMERSTON I50471 45 29S 170 43E A J FORD	21	GR S146328204 92 45 114 99 40 41 74 19 98 68 40 73 7 7 10 11 8 4 7 5 11 11 6 10												803 97	618	130	77	12	1					
GARTHMYL MIDDLEMARCH I50512 45 31S 170 08E J S ELLIOT	198	GR S154834147 84 35 117 85 12 15 35 15 77 66 37 104 5 5 9 10 4 4 5 4 9 11 7 14												682 87	509	134	80	9	3					

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

I SECTION	HT METRES	GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		NZMS 1 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
CENTREWOOD I50571 45 31S 170 46E J H PRESTON	85	GR S155368144												721	549	131	63	12	1
		78	39	97	83	40	48	61	14	81	78	31	71						
		7	5	8		7	4		4		10	4							
CHERRY FARM HOSPITAL I50662 45 37S 170 37E DEPT. OF HEALTH	6	GR S155253039												814 105	633	129	65	12	1
		94	46	108	80	60	48	65	30	89	60	33	101						
		9	7	10	11	8	7	8	7	12	11	5	10						
LEE FLAT I50701 45 47S 170 02E A J SCORGIE	381	GR S163748824												901	737	122	47	12	1
		82	80	67	72	111	58	69	44	88	87	34	109						
		14	9	11	9	15	10	8	9	16	5	13							
PINEWOOD I50722 45 44S 170 15E L G ANDERSON	351	GR S163942886												921	720	128	67	12	1
		108	67	101	83	97	53	102	49	77	63	27	94						
		11	9	12	9	13		9		14	9	6	14						
HINDON ARDACHY I50733 45 43S 170 20E MRS D J GRAHAM	162	GR S154014903												780	694	112	47	9	3
		70	52	88	83*	73	42	77	30	88*	69	27	81						
		5	7		9	10		8	6	11	11	3	12						
WARRINGTON I50761 45 43S 170 36E MRS D K FERGUSON	15	GR S155230913												883	689	128	62	12	1
		85	49	130	75	106	83	71	36	85	48	33	82						
		10	7		11	9	8		9	13	9	4	12						
TAIAROA HEAD I50771 45 47S 170 44E OTAGO HARBOUR BOARD	72	GR S164344837												796 123	668	119	59	12	1
		90	51	82	74	106	57	70	27	69	58	30	82						
		15	10	11	12	12	9	9	9	10	10	4	12						
BALMORAL OUTRAM I50821 45 52S 170 13E L DOHERTY	15	GR S163917731												958	685	140	74	12	1
		112	61	127	81	109	54	71	37	71	68	24	143						
		10	10	11	9	14	9	9	8		10	8	13						
MOSGIEL I50832 45 52S 170 19E TOWN CLERK	8	GR S163003712												804	702	115	67	12	1
		86	48	103	74	122	44	80	29	52	47	29	90						
			6	11	10	12	8	9	7	11	8	4	9						
INVERMAY, TAIERI I50835 45 52S 170 23E M A F	30	GR S163053731												1077 127	775	139	72	12	1
		101	63	107	103	160	59	132	56	78	66	40	112						
		9	13	12	10	16	9	9	9	13	11	6	10						
WHARE FLAT I50842 45 49S 170 26E DUNEDIN CITY COUNCIL	158	GR S163092781												1310 143	1077	122	132	18	5
		106	78	113	113	239	86	138	71	123	76	48	119						
		12	12	13	13	13	10	11	11	13	10	9	16						
MOOYMAN HOMESTEAD I5085A 45 51S 170 32E OTAGO CATCHMENT BOARD	60	GR S164174746																	
						93	116	43	153	90	42	123							
								9	14	10	7	14							
ROSS CREEK I50851 45 51S 170 30E D C C WATER DEPT	165	GR S164147749												1364	1122	122	102	18	5
		113	88	141	106	229	94	132	69	126	93	43	130						
		15	13	15	12		10	10	10	14	12	8	14						
DUNEDIN BTL GARDENS I50852 45 52S 170 31E DUNEDIN CITY COUNCIL	73	GR S164167736												1226	936	131	70	12	1
		116	75	139	94	184	101	111	43	138	67	42*	116*						
				14	12	15	8		8	14	13								
SULLIVAN DAM I50853 45 49S 170 31E T J BAILEY	299	GR S164167794												1468	1226	120	78	18	5
		121	98	138	136	212	121	128	78	151	112	49	124						
		14	13	14	12		10	9	11	14	12	9	14						
BROAD BAY DUNEDIN I50864 45 51S 170 37E MRS D P HELM	3	GR S164260751												1214	961	126	103	18	5
		112	76	123	82	226	81	148	49	96	80	39	102						
		15	11	14	10	13		10	11	14	11	8	12						
SAWYERS BAY SEWAGE PL I50865 45 49S 170 36E B PARSONS	3	GR S164241782												1120 132			76	12	1
		98	68	133	84	189	92	102	40	94	74	48	98						
		9	12	12	13	12	9	8	10	11	13	9	14						
BERWICK FOREST I50901 45 58S 170 04E N Z FOREST SERVICE	18	GR S172792594												1050 133	738	142	82	9	3
		100	70	142	63	173	78	78	48	75	62	30	131						
		12	11	12	10	14	12	7	9	14	10	5	17						
HENLEY I50911 45 59S 170 10E R F HORNE	5	GR S172873585												886 117	717	124	61	9	3
		98	57	109	63	136	55	86	39	60	49	22	112						
		13	12	11	9	12	9	8	7	13	10	3	10						
MAUNGATUA #I50912 45 54S 170 09E L H AITKEN	25	GR S163855670												942	695	136	78	9	3
		101	64	135	69	115	51	66	34	75	79	23	130						
		8		10	7	12	10	7	7	12	12	5	12						
DUNEDIN AIRPORT I50921 45 56S 170 12E N Z MET SERVICE	1	GR S163896650												906 116	659	137	74	9	3
		92	53	120	65	141	55	81	44	62	57	24	112						
		9	9	11	9	11	9	9	8	12	11	5	13						
BURNSIDE I50941 45 54S 170 27E N Z REFRIGERATION CO LTD	43	GR S164113688												1084	816	133	80	12	1
		104*	64	142*	94	153	75	105	38	105*	70	36	98						
											6								
SOUTHERN RESERVOIR I50942 45 54S 170 27E DUNEDIN CITY COUNCIL	122	GR S164109696												1020 124	830	123	70	12	1
		100	65	116	92	141	69	96	38	98	69	37	99						
		12	11	11	10	13	8	8	9	13	9	8	12						

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

I SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
GREEN ISLAND I50943 45 54S 170 25E L MC GILVARY	18	GR S163083681 102 64 119 86* 148 75 92 37 87 62 33 100 13 10 10 11 14 8 7 9 12 8 5 11 118												1005	801	125	77	12	1
MUSSELBURGH, DUNEDIN I50951 45 54S 170 31E DUNEDIN CITY COUNCIL	2	GR S164163681 99 65 113 78 140 78 84 35 81 64 38 93 10 10 11 10 13 8 8 8 13 10 5 11 117												968	802	121	72	12	1
TE ANAU DOWNS I57182 45 11S 167 50E MRS D A CHARTRES	229	GR S140847480 306 10 178 23 201 84 105 79 158 52 66 129 19 2 12 5 11 11 6 11 12 6 9 17 121												1391	1221	114	87	9	3
TE ANAU I57473 45 25S 167 44E DEPT OF LANDS AND SURVEY	215	GR S140767205 228 26 145 57 110 173 68 115 153 69 72 146 18 6 12 7 12 14 6 13 12 11 8 15 134												1362	1146	119	66	9	3
TE ANAU KAKAPO RD I57482 45 32S 167 48E V R DE BETTENCOR	274	GR S140846206 208 16 119 71 98 170* 102 136 74 73 150 5 10 9 13 9 12 9 8 1025													1025				
WEST ARM, MANAPOURI I57522 45 31S 167 16E N Z ELECTRICITY DEPT	232	GR S148392053 787 180 542 274 424 410 226 271 459 169 275 410 26 13 22 15 17 17 14 17 21 17 15 23 217												4427	3839	115	139	23	9
MANAPOURI I57561 45 34S 167 36E B MURRELL	192	GR S149676014 252 43 181 67 137 190 95 107 161 57 44 147 20 7 13 9 9 9 14 10 7 17 1481												1481	1214	122	68	9	3
PLAINS STATION I57781 45 34S 167 52E H C MC DONALD	305	GR S150894030 192 33 130 68 102 159 60 81 127 69 43 125 16 6 13 10 12 15 9 11 11 12 5 1189												1189	1044	114	63	26	6
THE KEY WHITESTONE I57582 45 32S 167 50E MRS T F SMITH	290	GR S150865075 184 28 111 60* 95 167 74 72 124 63 34 114 20 6 11 10 14 11 11 12 10 4 14 1126												1126	987	114	59	26	6
BORLAND BURN I57751 45 47S 167 32E STHLAND YOUTH ADV TRUST	183	GR S158631754 166 118 129 165 68 46 178 14 12 15 14 11 8 18 1202													1202				
MONOWAI I57761 45 47S 167 37E N Z ELECTRICITY DEPT	158	GR S158695795 240 43 138 84 134 256 100 118 141 82 40 166 19 10 15 12 18 18 13 13 12 13 6 17 1542												1542	1201	128	92	26	6
EASTERN BUSH #I57971 45 59S 167 46E C N MOFFAT	183	GR S167832508 174 48 114 91 128 177 82 92 93 52 22 126 8 11 11 15 15 9 13 12 11 6 16 1199												1199	1029	117	66	9	3
WETHER HILL I57991 45 54S 167 57E C J SPEIGHT	311	GR S159993632 147 60 147 92 117 149 81 80 76 104 22 160 15 12 14 12 15 14 9 13 11 11 18 1235												1235	1027	120	65	9	3
QUEENSTOWN I58061 45 02S 168 40E D CROW	329	GR S132556697 140 22 123 72 118 152 64 54 131 72 58 54 11 8 8 10 12 13 6 9 12 12 6 13 1060 120												1060	832	127	86	26	6
QUEENSTOWN AIRPORT I58074 45 01S 168 44E CIVIL AVIATION DIV MOT	349	GR S132618716 134 14 101 73 87 100 66 42 84 68 41 53 13 5 8 9 12 12 7 9 12 11 6 10 863 114												863	664	130	61	12	1
GIBBSTON I58091 45 02S 168 57E A H MILLER	533	GR S133805702 119 32 116 91 67 87 46 43 91 68 40 57 11 7 9 11 7 10 8 7 12 11 6 11 857 110												857	643	133	76	9	3
KINGSTON I58371 45 20S 168 43E N Z POST OFFICE	313	GR S142619331 145 10 142 93 123 152 38 90 130 76 51 70 3 4 1120												1120	905	124			
CHIMNEYS FLAT I5840A 45 25S 168 05E R J MCKENZIE	501	GR S141074218 217 40 154 96 131 177 85 98 167 80 77 146 20 9 15 12 16 16 12 15 11 8 17 1468												1468	1312	112	63	26	6
THE HAYCOCKS I5850A 45 30S 168 00E J MORRISON	385	GR S150007109 206 36 138 79 127 151 77 92* 166* 80 61 148 19 9 11 12 9 10 10 7 12 10 7 1361												1361	1127	121	72	12	1
EYRE CREEK I58541 45 31S 168 29E G WILLIAMSON	244	GR S151426117 156 45 41 127 9 7 16 897													897				
MID DOME I58552 45 34S 168 30E N Z FOREST SERVICE	386	GR S151443043 142 37 123 72 107* 118 104 82 79 59* 33 153 13 8 10 11 14 12 14 11 11 7 15 1109												1109	995	111	67	12	1
DUNROBIN I58711 45 44S 168 07E MISS M H BOND	314	GR S159123821 146 38 140 76 104 137 79 75 107 69 34 153 12 7 13 11 12 14 8 10 10 12 6 16 1158 131												1158	961	120	73	9	3
LUMSDEN NO 2 I58743 45 44S 168 27E MRS S JACKSON	207	GR S160399839 127 45 101 77 12 895													895				

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

I SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC							
WAIKAIA I58781 45 44S 168 51E MRS B SHARP	152	GR S160739865	102	77	132	91	141	83	70	59	85	75	34	141	1090	866	126	68	9	3
ST PATRICKS I58853 45 48S 168 31E G MCDONALD	177	GR S160465754	138	62	122	74	72	91	68	43	88	60	35	128	981	802	122	70	9	3
NIGHTCAPS I58902 45 58S 168 01E H A MC CONNOCHIE	168	GR S168047536	132	73	114	93	82	118	62	50	62	48	15	90	939	908	103	64	9	3
DIPTON WEST I58931 45 54S 168 21E A J R JOHNS	128	GR S160323636	143	67	122	75	94	78	77	52	81	53	26	99	967	808	120	66	9	3
KAWEKU I58961 45 57S 168 40E W R SHALLARD	143	GR S169600596	136	95	129	57	122	90	69	57	104	74	19	114	1066	804	133	66	9	3
OTAMA I58981 45 55S 168 49E A D MACKAY	183	GR S160734627	131	78	116	58	87									765				
CROMWELL SUB STN I59012 45 04S 169 11E N Z ELECTRICITY DEPT	213	GR S133008678	62	05	66	70	24	34	36	23	57	48	17	38	480	351	137	47	9	3
CROMWELL I59021 45 02S 169 11E M W D	213	GR S133014714	67	09	62	75	31	37	38	24	64	48	23	43	521	402	130	41	12	1
NORTHBURN I59023 45 00S 169 14E M W D	210	GR S133046748	56	08	59	71	26	41	42	20	47	34	20	26	450			40	9	3
MATAKANUI I59051 45 04S 169 31E H E PATERSON	305	GR S134289680	88	20	69	112	41	51	50	48	83	73	30	61	726	517	140	38	12	1
LAUDER I59062 45 02S 169 41E PEL, D S I R	370	GR S134437718	82	31	78	106	37	36	62	27	60	77	18	77	691			59	12	1
LAUDER FLAT I59072 45 00S 169 42E W A ARMSTRONG	366	GR S134454765	80	25	72	123	43	40	47	24	53	82	16	98*	703	498	141	55	12	1
BANNOCKBURN I59111 45 09S 169 09E E PARCELL	427	GR S133983569	72	13	125	18	08	78	36	04	77		23		409					
CLYDE I59131 45 11S 169 19E L D WILSON	183	GR S133125525	58	07	84	87	32	22	25*	18	78	72	11	49	543	409	133	64	9	3
CLYDE DAM I59133 45 11S 169 19E M W D CROMWELL	160	GR S133119528	74	10	92	88	33	34	25	19	85	70	17	59	606			61	9	3
OPHIR I59161 45 07S 169 37E R HENDERSON	305	GR S134372633	19	36	69	102	27	41	49	23	49	70	28	56	569	420	135	42	9	3
MOA CREEK I59162 45 11S 169 39E M W D	427	GR S134414534	33	21	81	95	27	41	30	16	37	67	29	52	529	402	132	58	9	3
EARNSCLEUGH I59232 45 14S 169 20E PLANT DISEASES D S I R	152	GR S143139472	57	09	94											364				
ALEXANDRA I59234 45 16S 169 23E M W D	141	GR S143188448	58	12	81	72	22	31	22	23	62					346				
CLYDE I59235 45 12S 169 18E D S I R	171	GR S133122509			84	86	31	31	21	19	76	64	16	51						
ALEXANDRA I59238 45 15S 169 22E ALEXANDRA BOROUGH C	141	GR S143181453											17	42						
GALLOWAY I59241 45 13S 169 28E J W K SYMONS	177	GR S134254506	66	12	74	88*										361				
STONY CREEK I59392 45 18S 169 54E M W D	408	GR S144633404	79	22	79	78														

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
ROXBURGH POWER STN #59431 45 29S 169 19E N Z ELECTRICITY DEPT	110	GR S152131175 54 36 124 55 33 27 34 25 64 52 26 74 11 5 7 8 10 7 6 7 12 11 8 12												604 104	465	130	63	9	3
ROXBURGH #59532 45 33S 169 19E G N JEFFREY	97	GR S152132102 64 47 150 54 63 40 44 33 85 64 32 87 8 9 9 7 12 9 6 7 15 10 6 17												763 115	556	137	69	9	3
HILLTOP ROXBURGH #59543 45 33S 169 24E M A MACNICOL	518	GR S152200101 70 38 118 79 43 28 54 30 79 72 32 95 8 7 9 9 6 7 5 5 12 6 6												738	617	120	69	9	3
ELLIOT #59588 45 30S 169 49E WATER AND SOIL DIV MWD	616	84 64 102 70 63 62 37 65 79 47 85 12 11 11																	
ETTRICK #59632 45 38S 169 21E E GARRETT	83	GR S152179987 30 34 30 70 67 30 105 9 7 6 11 10 4 17																	
TIMA #59642 45 38S 169 26E MRS A S PATERSON	250	GR S153238995 74 34 163 68 58 43 61 30 72 84 19 146 5 8 8 7 12 3												852	620	137	62	9	3
WELCHS FARM #5969A 45 41S 169 56E HYDROL. SURVEYS DUNEDIN	366	GR S154671942 90 75 136 78 75 55 53 25 106 83 35 102 11 11 9 8 9 17 14 8 17												913	654	140	77	9	3
DEEP STREAM NO 2 #59692 45 41S 169 59E CARETAKER DUNEDIN C C	366	GR S154707944 80 71 114 76 69 47 53 23 77 85 34 84 12 8 8 9 10 7 7 11 12 5 13												813	570	143	67	9	3
DEEP STREAM #59693 45 41S 169 58E M A F	396	GR S154704942 76 65 108 76 65 35 47 21 74 74 35 68 12 6 7 10 9 8 6 7 11 11 5 13												744 105			69	9	3
WILDEN NO 1 #59721 45 44S 169 12E W R GIBSON	427	GR S161047856 94 88 147 76 120 55 64 34 104 77 32 122 13 10 11 6 9 10 14 6												1013	844	120	53	9	3
LEITHEN GLEN #59811 45 53S 169 08E MRS M J WARDS	183	GR S161994687 107 103 159 71 136 76 63 40 93 76 48 125 16 12 11 16 13 10 11 15 11 4 17												1097	861	127	67	9	3
RAES JUNCTION #59841 45 48S 169 27E M KINASTON	152	GR S162264800 126 100 141 57 166 109 82 59 95 76 33 119 18 10 13 9 14 10 7 10 15 13 3												1163	845	138	61	9	3
BEAUMONT #59842 45 51S 169 29E N Z FOREST SERVICE	46	GR S162289713 136 124 173 54 171 104 84 56 125 79 35 111 19 9 14 9 17 11 8 9 18 12 4 16												1252 146	951	132	72	9	3
MAHINERANGI DAM #59891 45 53S 169 58E DUNEDIN CITY COUNCIL	396	GR S163706700 125 100 147 77 150 102 113 67 91 77 43 159 14 9 15 10 20 10 13 10 17 12 6 18												1251 154	954	131	57	9	3
TAPANUI #59921 45 57S 169 17E N Z FOREST SERVICE	226	GR S161124614 130 122 131 59 152 80 102 38 98 79 51 140 15 13 14 13 19 13 11 10 19 14 4 17												1182 162	923	128	53	9	3
LAWRENCE #59961 45 55S 169 41E N Z POST OFFICE	122	GR S162460653 110 83 127 59 104 57 90 28 88 65 27 158 12 12 6 6 5 3												996	728	137	70	9	3
WAIHOLA #60002 46 01S 170 05E D M DOBBIE	30	GR S172795540 87 65 119 56 168 80 98 50 64 56 24 117 7 10 14 13 12 11 8 10 16 10 5 14												984 130	697	141	78	18	5
TAIERI MOUTH #60021 46 05S 170 12E N Z FOREST SERVICE	15	GR S172895467 104 59 127 56 187 84 97 46 63 28 102 13 9 12 9 16 12 9 10 10 7 14													753				
EASON #6010F 46 10S 170 03E WATER AND SOIL DIV MWD	152	GR S172779352 107 87 145 70 175 92 113 55 15 13 16 13 13 10 12 11																	
CHRYSTALLS BEACH #60211 46 12S 170 06E D J MILBURN	30	GR S172814322 95 51 128 52 143 86 77 32 72 6													725				
GOLDIE HILL #67041 46 01S 167 29E MRS H O'BRIEN	152	GR S167593470 128* 44 37 151 10 5													1375				
LILLBURN #67061 46 00S 167 40E R J HAMPTON	76	GR S167756487 183 57 130 101 145 179 80 81 84 41 16 142 10 10 8 4												1239	1146	108			
TUATAPERE #67161 46 08S 167 41E N Z POST OFFICE	30	GR S167778327 208 93 133 70 138 186 77 66 89 64 35 139												1298	1190	109			

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER

NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
TUATAPERE I67165 46 07S 167 40E N Z F S	27	GR S167767335 204 94 122 97 162 164 74 91 83 67 39 135 1332 17 10 10 13 17 17 10 15 13 12 8 19 161															56	9	3
OREPUKI I67272 46 17S 167 44E N Z POST OFFICE	15	GR S175828149 222 98 138 126 102 152 104 78 99 86 52 118 1375												1292	106		41	12	1
CENTRE ISLAND LIGHT I67481 46 28S 167 51E MARINE DIVISION MOT	61	248 75 123 104 86 112 66 50 100 62 39 119 1184 23 11 16 15 17 18 15 13 17 14 11 25 195												1174	101		45	10	1
LORA I68051 46 01S 168 33E G W F OVERTON	256	GR S169503497 172 117 167 74 216 122 85 72 147 84 52 131 1439 18 12 14 13 16 16 12 11 20 14 9 19 174												1244	116		64	9	3
REABY DOWNS I68071 46 02S 168 46E J G SPINKS	168	GR S169688479 163 101 132 53 165* 95* 81 50 118 60 20 111 1149 19 11 11 9 11 13 6 14												1061	108		64	9	3
MANDEVILLE I68081 46 00S 168 49E S A BRYANT	116	GR S169724537 143 93 135 48 140 80 77 45 114 57 17 119 1068 19 11 9 16 12 11 9 15 12 7 15												840	127				
OTAUTAU I68102 46 10S 168 00E N Z FOREST SERVICE	55	GR S168048305 205 87 143 101 166 142 65 69 125 71 32 126 1332 19 11 12 12 16 17 12 11 17 16 9 16 168												1097	121		61	9	3
HEDDON BUSH I68111 46 06S 168 08E P P IRVING	73	GR S168150384 167 65 111 83 119 81 67 47 88 57 21 105 1011 17 9 11 11 14 11 12 10 12 12 4 16 139												867	117		64	9	3
WINTON I68132 46 11S 168 22E S COCHRANE	46	GR S169351316 165 98 111 68 137 85 67 58 92 50 28 103 1062 12 12 11 12 12 11 12 12 8 16												899	118				
WINTON I68133 46 09S 168 20E WINTON BOROUGH COUNCIL	44	GR S169321325 171 95 106 68 136 76 63 55 100 59 30 117 1076 19 12 12 12 15 12 11 12 15 14 9 18 161												843	128		60	12	1
GLENDHU WAIMUMU I68171 46 07S 168 45E MRS E M TRESIDDER	183	GR S169672389 187 129 192 58* 210* 119* 81 62 155* 98 25 123 1439 21 12 15 11 10 20 8												1171	123				
TE TIPUA I68173 46 11S 168 45E A W HEDLEY	137	GR S169692303 143 97 139 48 160 89 70 63* 194* 92 41 136 1272 20 11 13 18 89 70 10 20 13 9 21 21												1030	123		66	9	3
WAIMUMU I68174 46 09S 168 44E SOIL BUREAU DSIR	114	GR S169674347 133 78 25* 121 16 13 19																	
GORE I68192 46 07S 168 54E GRASSLANDS DIV D S I R	123	GR S170796394 149 104 128 53 138 74 72 42 106 70 25 107 1068 21 11 12 11 16 12 10 10 15 14 9 18 159												894	119		64	9	3
HEDGEHOPE I68251 46 13S 168 32E T L RULE	41	GR S177498261 161 110 124 61 152 90 56 49 111 64 52 127 1157 12 11 15 10 11 16 11 11 21												963	120		56	9	3
HOKONUI FOREST I68252 46 13S 168 35E N Z FOREST SERVICE	46	GR S177539269 156 107 131 54 151 86 61 49 105 62 48 136 1146 20 12 15 9 17 15 11 10 13 11 9 20 162												1013	113		59	9	3
MATAURA I68281 46 12S 168 52E N Z PAPER MILLS	76	GR S178783300 157 92 125 54 161 90 54 50 135 79 29 126 1152 22 11 15 11 17 17 10 11 19 15 8												935	123		59	9	3
RIVERTON I68301 46 21S 168 01E N Z POST OFFICE	6	GR S176075076 204 20 137 99 116 109 53 52 112 65 41 134 1142												1079	106		56	9	3
WOODLANDS I68362 46 22S 168 36E M A F	47	GR S177555074 202 102 138 72 140 93 59 69 123 70 64 160 1292 21 12 16 16 16 17 16 12 17 13 12 21 189												1042	124		52	9	3
EDENDALE I68371 46 19S 168 47E SOUTHLAND DAIRY CO	40	GR S177711154 180 98 132 55 131 94 52 54 128 71 31 152 1178												1006	117				
INVERCARGILL AIRPORT I68433 46 25S 168 20E N Z MET SERVICE	0	GR S177334007 213 84 137 89 114 87 49 58 99 57 50 161 1198 22 10 17 14 16 15 13 13 16 11 12 22 181												1040	115		52	9	3
AWARUA I68531 46 31S 168 22E N Z POST OFFICE	10	GR S182377896 217 81 153 109 110 106 51 36 108 55 37 130 1193 9 11												1076	111		66	9	3
TIWAI POINT, BLUFF I68533 46 35S 168 23E N Z ALUMINIUM SMELTERS	5	GR S182382804 245 82 137 112 109 85 51 59 94 64 51 104 1193 21 11 13 14 15 17 14 12 14 14 13 19 177												1076	111		46	12	1

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL >= 1.0 MM

I SECTION	HT METRES	NZMS 1 GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
GORGE ROAD NO 2 I68572 46 32S 168 45E S L LOBB	3	GR S182687874 198 80 149 80 113 104 55 49 107 69 44 160 21 11 17 14 15 17 11 11 18 14 12 21												1208 182	1078	112	50	9	3
STIRLING POINT I68632 46 37S 168 21E SOUTHLAND HARBOUR BOARD	7	GR S182367771 255 86 158 107 99 77 57 104 104 67 49 115 24 11 15 15 16 18 16 9 14 17 14 20												1278 189	1034	124	60	12	8
DOG ISLAND LIGHT I68641 46 39S 168 25E MARINE DIVISION MOT	15	GR S181414736 187 85* 161 118 104 92 55 61 90 55 45 92 17 10 20 11 19 12 15 11 13 14 21												1145	1040	110	48	9	3
STEWART IS I68913 46 54S 168 08E N Z FOREST SERVICE	3	GR S171353518 322 68 212 165 144 151 92 81 139 84 71 120 26 13 21 16 23 20 22 17 22 13 16 24												1649 233	1281	129	46	10	1
TUAPEKA MOUTH I69051 46 02S 169 33E D A HAYMAN	116	GR S171353518 95 84 109 41 112 52 60 24 66 79 40 141 13 11 7 8 16 9 7 8 14 13 6 17												903 129	675	134	62	9	3
NITHDALE #I69101 46 11S 169 05E C W H TRIPP	213	GR S170953305 173 109 138 51 162 122 58 55 131 68 44 120 22 12 14 13 17 14 11 10 19 12 7 21												1231 172	1040	118	54	9	3
BAVERSTOCK WAIWERA S I69151 46 10S 169 31E C H MACFIE	91	GR S171329350 90 55 59 23 76 45 32 24 47 46 20 86 16 10 11 7 13 5 9 12 11 5 16												603	638	95	25	12	1
HILLEND I69171 46 08S 169 45E B S ROULSTON	262	GR S171523385 109 73 121 34 160 71 85 31 75 63 41 117 14 10 12 8 14 12 8 9 14 12 5 16												980 134	815	120	63	18	5
MILTON I69191 46 07S 169 58E N Z FOREST SERVICE	18	GR S172708418 77 57 123 47 159 90 107 37 74 52 36 110 11 10 13 8 13 10 9 8 15 10 5 16												969 128	747	130	70	18	5
CLINTON I69232 46 12S 169 22E N Z POST OFFICE	122	GR S179207298 135 89 126* 38* 159 97 44 53 125 83 37 110 11 11												1096	909	121	64	9	3
CLINTON SCHOOL I69234 46 12S 169 22E CLINTON PRIMARY SCHOOL	120	GR S171303210												47 5	113 20				
WAREPA #I69261 46 16S 169 36E G HENDERSON	70	GR S179404228 129 74 125 45 143 77 68 49 91* 70 33 130 20 12 15 11 14 15 11 12 19 14 8 19												1034 170	806	128	62	9	3
TE HOUKA #I69262 46 13S 169 40E MRS K E BOTTING	82	GR S179447280 115 70 117 44 125 79 68 34 83 79 34 133 10 12 9												981	826	119	63	9	3
BALCLUTHA I69272 46 14S 169 45E OTAGO CATCHMENT BD	12	GR S179523264 111 63 102 38 105 76 63 30 66 68 35 116 14 10 13 8 10 13 9 9 11 9 4 17												873 127	687	127	60	9	3
FINEGAND, BALCLUTHA I69273 46 16S 169 44E SOUTH OTAGO FREEZING CO.	6	GR S179516222 103 55 84 31 97 80 60 25 58 58 18 109 15 11 12 6 11 12 8 6 9 8 4 16												778 118	660	118	52	9	3
LOVELLS FLAT I69283 46 12S 169 51E J T GRAY	91	GR S171615320 90 47 89 46 103 83 84 23 64 51 30 111 10 9 12 8 14 14 7 14 11 5 14												821	701	117	52	12	1
LOCHINDORB I69351 46 20S 169 32E W M MCNAB	198	GR S179337141 143 65 121 64 181 130 96 57 130 56 44 128 3												1215	969	125	61	18	5
INCHCLUTHA I69382 46 18S 169 50E G W MORRISON	8	GR S179588187 94 54 99 40 127 110 80 25 74 55 44 95 15 12 13 10 15 12 10 14 14 9 7 14												897	719	125	59	9	3
MOKORETA I69411 46 26S 169 07E MRS C D JEFFERIS	117	GR S178998011 164 92 137 52 177 174 91 75 131 88* 65 109 24 10 11 10 15 13 15												1355	1360	100	46	18	6
OWAKA I69461 46 27S 169 39E N Z POST OFFICE	12	GR S179453002 102 48 101 44 130 108 75 53 102 36 24 78 19 10 16 22												901	953	95	47	9	3
OWAKA I69464 46 27S 169 40E N Z FOREST SERVICE	5	GR S179457003 118 54 119 41 181 148 85 48 100 69 63 105 19 12 15 10 19 15 10 10 18 12 8 15												1131 163	789	143	54	9	3
NUGGET POINT I69481 46 27S 169 49E MARINE DIVISION MOT	129	GR S179581009 117 65 112 45 146 128 73 40 74 71 52 99 19 13 14 13 19 14 12 11 17 10 8 15												1022 165	859	119	51	9	3
QUARRY HILLS I69501 46 33S 169 03E G L BUCKINGHAM	76	GR S183951874 187 102 192 88 256 161 113 87 136 73 69 160 12 19 17 14 13 16 15												1624	1359	119	83	18	5

* ESTIMATED

RAINFALL IN MILLIMETRES

STATION AND OBSERVER NUMBER OF DAYS WITH RAINFALL \geq 1.0 MM

I SECTION	HT METRES	GRID REFERENCE												YEAR	NORMAL	% OF	MAX	D	M
		NZMS 1 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC						
WAIKAWA VALLEY 169512 46 32S 169 11E G E BUCKINGHAM	61	GR S183056907												1463 194	1282	114	74	18	5
PAPATOWAI 169542 46 34S 169 28E MISS M ROY	18	GR S184298863												1342 186	1159	116	63	18	5
TAUTUKU 169544 46 34S 169 27E OTAGO ADVENTURE TRUST	40	GR S184275847												1393 191	1206	116	58	18	5
SCOLLAYS FLAT #177171 47 09S WILDLIFE SERVICE			105	224	253	285	281*							180					
J SECTION																			
RAOUL IS N Z MET SERVICE	38	37 7	41 8	204 7	53 9	45 12	376 23	111 19	134 10	95 11	91 7	97 9	72 8	1356 130	1556	87	123	29	3
K SECTION																			
SNARES IS K91700 48 00S 166 36E UNIVERSITY OF CANTERBURY		540 24																	
CAMPBELL IS K94400 52 33S 169 09E N Z MET SERVICE	15	182 20	87 18	150 24	108 17	131 23	110 22	57 22	133 21	137 21	85 16	109 15	135 21	1424 240	1361	105	52	13	1
WAITANGI, CHATHAM IS K98600 43 57S 176 34W N Z MET SERVICE	44	59 9	37 6	59 10	87 10	79 18	49 15	91 11	33 7	65 14	47 11	145 13	113 10	864 134	895	97	32	1	3
PITT IS CHATHAM GROUP K98603 44 15S 176 14W N Z MET SERVICE	9	77 13	60 9	64	90 13	77	51 11	91 11	38 9	63	48	167 11	71	897			38	23	11
OWENGA, CHATHAM IS K98607 44 02S 176 22W N Z MET SERVICE		76 13	48	87 13	106 11	71 18	59 16	90 16	27 8	67	42 13	145 12	107 12	925			33	1	3
KAINGAROA, CHATHAM IS K98608 43 44S 176 14W N Z MET SERVICE		62 9	36 6	45 9	106 12	66	63 13	73 11	21 5	83 17	34 9	110 10	109 13	808			35	27	4
WHAREKAURI, CHATHAM IS K98609 43 42S 176 35W N Z MET SERVICE		101 14			94 11	110	63	92	26	84	38	132	112 10						
TUUTA AIRPORT CHATHAM K98610 43 49S 176 29W N Z MET SERVICE	12	58*	37 5	57 6	90 9	84 17	58 14	91 13	24 3	65 14	36 11	127 11	109 11	836			29	11	7
TUKU CHATHAM IS K98612 44 02S 176 38W N Z MET SERVICE	80	101 14	45 9	79 10	101 14	79		134	48	60	76	192							

* ESTIMATED

TOTALS FROM OCTAPENT AND STORAGE RAINGAUGES 1983.

STATION NUMBER	NAME	OBSERVING AUTHORITY	LATITUDE SOUTH	LONGITUDE EAST	HEIGHT ABOVE MSL. METRES	RAINFALL MM.	PERIOD	
							FROM	TO
A42681	WAIKANAE STREAM	N Z FOREST SERVICE	34 38	172 51	15	925	1. 1.83	31.12.83
A43801	THE GAP, NORTHLAND	N Z FOREST SERVICE	34 50	173 02	73	941	1. 1.83	31.12.83
A43901*	HUKATERE	N Z FOREST SERVICE	34 54	173 05	3	935	1. 1.83	31.12.83
A53152	MAUNGATANIWA	B C N Z	35 10	173 31	572	1876	1. 1.83	31.12.83
A53592	MT HIKURANGI	B C N Z	35 32	173 55	623	1332	9.12.82	6.12.83
A54812	HOROKAKA	B C N Z	35 52	174 08	536	1289	8.12.82	5.12.83
A65202*	LITTLE BARRIER SUMMIT	WILDLIFE SERVICE	36 12	175 04	740	1221	24. 1.83	24. 1.84
B87151	TAKAPUTAHU CAMP	M W D WHAKATANU	38 06	177 34	366	2923	10.12.82	6.12.83
B8731A	OTAPUKAWA	WATER AND SOIL DIV MWD	38 23	177 09	381	2029	1. 1.83	31.12.83
B8731B	OGILVIES BRIDGE	WATER AND SOIL DIV MWD	38 19	177 07	143	2100	1. 1.83	31.12.83
B87312	NGUTUOHA	M W D TE TKO	38 21	177 07	305	2118	1. 1.83	31.12.83
B8741C	PANAA	WATER AND SOIL DIV MWD	38 27	177 06	381	1909	1. 1.83	31.12.83
B8741D	TE PUA	WATER AND SOIL DIV MWD	38 28	177 08	366	1875	1. 1.83	31.12.83
B8741F	OTARF	WATER AND SOIL DIV MWD	38 26	177 07	381	1770	1. 1.83	31.12.83
B8751A	MANGATOATO	WATER AND SOIL DIV MWD	38 32	177 10	671	2375	1. 1.83	31.12.83
B8751C	JUNCTION	WATER AND SOIL DIV MWD	38 30	177 06	503	1913	1. 1.83	31.12.83
B8752A	TE RANGAAKAPUA	WATER AND SOIL DIV MWD	38 31	177 12	1325	2923	1. 1.83	31.12.83
C85961	ROTOAIRA FOREST	N Z FOREST SERVICE	38 59	175 38	649	1670	31.12.82	30.12.83
C95052	TAURFWA FOREST	N Z FOREST SERVICE	39 05	175 33	776	2056	31.12.82	20.12.83
C95172	MOTUROA	M W D TAUMARUNUI	39 07	175 47	732	2499	6. 1.83	4. 1.84
C95271	MANGATOETO	M W D TAUMARUNUI	39 13	175 47	933	2437	6. 1.83	4. 1.84
D05856	MIKI MIKI STREAM	WAIARAPA CATCH BD	40 50	175 32	305	1835	24.12.82	4. 1.84
D05857*	AHWAHAKU STREAM	WAIARAPA C.B.	40 53	175 31	259	953	31. 5.83	6. 1.84
D15033	PHELPS	WAIARAPA C.B.	41 02	175 23	125	2106	6. 1.83	5. 1.84
D78802	THE RIP	N Z FOREST SERVICE	37 49	178 04	701	4508	6. 1.83	29.12.83
D96431	KURIPAPANGO	N Z FOREST SERVICE	39 24	176 20	488	1058	1.12.82	22.12.83
E05721	MUHUNOA EAST UPPER	D GOODIN	40 43	175 17	366	1436	31.12.82	28.12.83
E05911	RENATA	WGTM REGIONAL COUNCIL	40 58	175 10	777	2900	5.12.82	1.12.83
E14373	UPPER KARORI	WGTM REGIONAL COUNCIL	41 18	174 44	285	1407	1. 1.83	30.11.83
E15002	UPPER WAKATIKEI	WGTM REGIONAL COUNCIL	41 01	175 00	245	2142	1. 1.83	31.12.83
E15004	HUKINGA NO 1	WGTM REGIONAL COUNCIL	41 03	175 03	204	2223	3. 1.83	31.12.83
E15113*	MT CLIMEX	WGTM REGIONAL COUNCIL	41 09	175 09	829	884	1. 1.83	3. 1.84
E15121*	LADLE BEND	WGTM REGIONAL COUNCIL	41 08	175 12	396	1796	1. 3.83	31.12.83
E15201	SKULL GULLY	WGTM REGIONAL COUNCIL	41 15	175 01	162	2270	1. 1.83	29.12.83
E15202	MT MISTY	WGTM REGIONAL COUNCIL	41 13	175 02	625	2126	4. 1.83	3. 1.84
E15203	DEVINE	WGTM REGIONAL COUNCIL	41 13	175 02	610	2095	5. 1.83	3. 1.84
E95361	TUFA KARIOI	NZ FOREST SERVICE	39 20	175 39	1135	1674	29.12.82	28.11.83
E95371	DESERT ROAD SUMMIT	M W D TAUMARUNUI	39 18	175 44	1052	1992	6. 1.83	5. 1.84
E95472	MOAWHANGO NORTH	M W D TAUMARUNUI	39 24	175 44	959	887	6. 1.83	5. 1.84
E95481	WAIOURU ARGO ROAD	N Z MET SERVICE	39 26	175 53	1250	941	24.12.82	15.12.83
E95782	UTIKU SLIP	LANDS & SURVEY DEPT	39 44	175 50	366	801	23.12.82	16.12.83
E96301	MOTUMATAI	R A L BATTLE	39 18	176 00	1280	1294	1. 1.83	31.12.83
F02821*	MCKAY HUT NELSON	N Z FOREST SERVICE	40 53	172 13	701	3444	5. 7.83	16.12.83
F12961*	D'URVILLE RIVER MOUTH	D S I W ECOLOGY DIV	41 55	172 39	452	1415	29. 4.83	30.11.83
F12962	MT MISERY SUMMIT	D S I R ECOLOGY DIV	41 56	172 40	1601	2720	31.12.82	30.11.83
F12963	MT MISERY BUSHLINE	D S I R ECOLOGY DIV	41 56	172 40	1450	1617	31.12.82	30.11.83
F22312	RAHU SADDLE	SENIOR RESERVES RANGER	42 19	172 06	668	3759	4. 1.83	3. 1.84
F22342	LEWIS PASS	SENIOR RESERVES RANGER	42 23	172 24	890	3194	6. 1.83	3. 1.84
F22343	ADA PASS	SENIOR RESERVES RANGER	42 18	172 28	-	5574	29.10.82	30.12.83
F39932*	MACPHERSON CAMP	M W D HAAST	43 57	169 19	76	6564	1. 1.83	4. 1.84
F39933	CLARKE BLUFF	M W D HAAST	43 58	169 23	76	4853	1. 1.83	4. 1.84
F49031	PLEASANT FLAT	M W D HAAST	44 01	169 23	107	4910	1. 1.83	4. 1.84
F57412	DEEP COVE	FIORDLAND NAT PARK BD	45 28	167 10	28	6470	1. 1.83	31.12.83
G13531	TOP VALLEY	MARLBOROUGH CATCHMENT BD	41 34	173 22	1036	1993	29. 1.83	12. 1.84
G13691	TAYLOR PASS	MARLBOROUGH CATCHMENT BD	41 38	173 57	631	703	12. 2.83	31. 1.84
G13712	BRANCH BASE	MARLBOROUGH CATCHMENT BD	41 43	173 10	396	1708	1. 1.83	31.12.83
G13713	GORDONS LEATHAM RIVER	MARLBOROUGH CATCHMENT BD	41 46	173 11	762	2654	1. 1.83	31.12.83
G13811	MT. MORRIS	N Z FOREST SERVICE	41 52	173 08	1524	1907	1. 1.83	31.12.83
G13812	GREIGS HUT	N Z FOREST SERVICE	41 50	173 06	579	1695	1. 1.83	31.12.83
G13991	WAIMA URE RIVER HUT	J SANDALL	41 54	173 55	488	1130	7. 1.83	17.12.83
G22191	TARNOALE	M M CHISHOLM	42 11	172 56	991	1173	23.12.82	6. 1.84
G22391	CLARENCE ACC HOUSE	MRS A REID	42 23	172 58	732	934	2.12.82	1.11.83
G22491*	BUSH GULLY	M M CHISHOLM	42 24	172 55	762	704	4. 1.83	6. 1.84
G23271	CLINTON RIVER	MARLBOROUGH CATCHMENT BD	42 15	173 43	610	1508	1. 1.83	31.12.83
H30712*	BIRCH HILL AIRSTRIP	M W D TIMARU	43 47	170 08	619	3009	6. 1.83	4. 1.84
H31541	TAYLORS STREAM	STH CANTERBURY CATCH BD	43 34	171 26	732	1528	4. 1.83	30.12.83
H31601	LAKE CLEARWATER	STH CANTERBURY CATCH BD	43 36	171 03	686	854	1. 1.83	31.12.83
H31631	WOOLSHED CREEK	STH CANTERBURY CATCH BD	43 36	171 19	762	1171	4. 1.83	30.12.83
H40791	WAIMATE SADDLE	WAIMATE COUNTY COUNCIL	44 44	170 59	264	989	3.12.82	4. 1.84
I40931	DANSBY PASS	M W D DUNEDIN	44 57	170 22	935	1280	9.12.82	4. 1.84
I48461*	MT ASPIRING HUT	J C ASPINALI	44 29	168 40	457	4636	10.12.82	3.12.83
I48471	MT ASPIRING	J C ASPINALI	44 28	168 47	335	4618	1. 1.83	31.12.83
I50858	MT. CARGILL	B C N Z	45 49	170 33	676	1138	7. 1.83	9. 1.84
I59101*	CRAIGROY NEVIS	E PARCELL	45 11	169 00	671	459	1. 1.83	30.11.83
I59361	MANORNBURN DAM	M W D	45 22	169 36	746	760	1. 1.83	31.12.83
I59561	LAKF ONSLOW	K BOTTING	45 33	169 36	716	1271	1. 1.83	6. 1.84
I59611	DAWS SPIR	W R GIBSON	45 40	169 08	724	1345	3.11.82	23.11.83
I67871	BENSON PEAK	N Z FOREST SERVICE	46 48	167 44	20	1911	5.12.82	18.12.83
I67971	ISLAND HILL	N Z FOREST SERVICE	46 55	167 46	10	1603	5.12.82	2. 1.84
I67981	RAKFAHUA HUT	N Z FOREST SERVICE	46 58	167 52	3	2432	8.12.82	19.12.83
I68172	HEDGFHOPE	B C N Z	46 06	168 43	643	1179	31.12.82	6.12.83
I69233	KURIWAO	B C N Z	46 14	169 23	625	802	20. 1.83	29.12.83

* NOTE

A43901	OCTOBER, NOVEMBER ESTIMATED	F12961	RE-OPENED. NEW SITE
A65202	NEW STATION	F39932	FEBRUARY ESTIMATED - INTERFERENCE
D05857	NEW STATION	G22491	SUSPECT LEAK OR READINGS MISSED
E15113	RE-OPENED	H30712	NOVEMBER ESTIMATED - INTERFERENCE
E15121	RE-OPENED	I48461	AUGUST, GAUGE OVERFLOWED
F02821	NEW STATION	I59101	SUSPECT READINGS MISSED

MAXIMUM RAINFALL
IN SELECTED TIME INTERVALS FROM 10 MINUTES TO 72 HOURS DURING 1983
MILLIMETRES

- NOTES: (1) THIS TABLE CONTAINS DATA EXTRACTED FROM DINES TILTING SYPHON, NEGERETTI & ZAMBA TIPPING BUCKET, CASSELLA NATURAL SYPHON, AND LAMBRECHT RECORDING RAINGAUGES. SOME OF THESE GAUGES RECORD ON WEEKLY OR MONTHLY CHARTS AND FOR THESE DATA FOR 10 AND 20 MINUTES CANNOT BE OBTAINED.
- (2) AN ASTERISK INDICATES AN ESTIMATED VALUE THE MOST COMMON CAUSE OF WHICH IS SOME MISSING DAYS IN THE RECORD. IN THE CASE OF 24, 48, AND 72 HOUR VALUES IT INDICATES THAT MAXIMUM 1, 2, AND 3-DAY RAINFALLS HAVE BEEN USED AS ESTIMATES.
- (3) MISSING MONTHS ARE SHOWN BY A NUMBER INDICATING THE NUMERICAL ORDER OF THE MONTH IN THE YEAR. THE MONTHS OF NEW STATIONS OPENING AND STATIONS CLOSING ARE INDICATED SIMILARLY.
- (4) FOR LATITUDE AND LONGITUDE OF THE STATIONS SEE TABLES IN SECTION 3.

STATION NUMBER	STATION NAME	HEIGHT ABOVE MSL METRES	MINUTES				HOURS				MISSING RECORDS. (MONTHS)	REMARKS		
			10	20	30	60	2	6	12	24			48	72
(A) SECTION														
A53021	KAITIARA AIRPORT	80	10	13	15	20	26	42	53	55	85	90		
A53482	KAIKOHE	204	10	12	13	20	37	75	94	119	134	156		
A53651	WAIPOUA FOREST	88	9	11	12	16	25	43	61	63	72	79		
A53982	DARGAVILLE	20	7	11	17	22	28	42	45	54	61	67		
A54631	GLENBERVIE FOREST	107	6	10	13	22	41	94	108	134	194	260		
A54722	KARA CATCHMENT NO 1	213			19	33	46	73	76	91	135	159		
A54723	KARA CATCHMENT NO 2	152			20	30	49	58	60	105	150	181		
A54724	KARA CATCHMENT NO 3	213			12	18	26	45	61	118	170	211	11.	
A54733	WHANGAREI AIRPORT	37	7	12	17	20	29	65	74	108	132	203		
A64112	CLAREN BRAE RUAWAI	70			17*	21*	40*	47	57	70	126	132		
A64282	LEIGH	27	8	12	14	21	23	27	32	54	70	85		
A64462	WARKWORTH	27			14	21	32	67	81	113	146	156	11.	
A64463	WARKWORTH	72	8	13	17	24	32	58	70	79	122	133		
A64662	DAIRY FLAT	55			14	17	23	45	57	91	120	130	1.	
A64761	WHENUAPAI	26	6	9	10	14	21	39	54	81	106	114		
A64772	ALBANY	44	7*	11*	14*	18	20	37	43	68	87	97		
A64871	ALBERT PARK, AUCKLAND	49	11	13	18	21	26	34	39	59	72	81		
(B) SECTION														
B65741	COROMANDEL	43	14	19	20	24	45	102	166	274	358	416		
B75152	THAMES	3	9	11	12	19	24	38	40	40	60	73	12	
B75361	PAEROA	4	15	18	18	24	35	61	66	69	90	101		
B75381	WAIHI	91	10	18	24	31	44	111	198	308	373	416		
B75571	TE AROHA	18	12	20	24	28	29	38	46	75	116	119		
B75653	MORRINSVILLE B C	29	6	7	7	10	15	29	41	49	56	56	10.	
B75894	OLD KAIMAI RD	457			12	21	36	65	112	154	209	286		
B76621	TAURANGA AIRPORT	4	6	8	12	19	33	65	66	114	129	130		
B76921	TE RANGA	335			14	24	43	98	145	196	263	325		
B76981	THURNTON	3			13	20	32	41	42	67	82	84	6.7.	
B76994	WHAKATANE AIRPORT	6	8	9	11	14	20	36	43	66	79	89		
B85285	KINLEITH	383	8	15	20	32	39	49	56	66	113	113		
B86131	ROTORUA AIRPORT	287	6	11	11	16	29	61	84	97	123	175		
B86382	GRANT ROAD KOPURIKI	177			34	50	62	63	63	73	90	96		
B86403	ATIAMURI POWER STN	253	5	7	8	12	17	31	41	48	55	77		
B86602	TAUPO	376	6	8	10	15	21	33	42	53	62	88		
B86611	WAIKAKI POWER STN	342	6	9	10	13	17	40	47	53	59	86		
B86612	WAIKAKI RESEARCH STN	402	5	8	11	13	17	33	42	52	58	90		
B86681	TARAPOUNAMU	777			15	21	29	51	63	72	90	107		
B86702	TAUPO AIRPORT	407	6	9	11	14	18	30	39	46	48	59		
B86821	WAIMIHA FOREST	743	6	8	9	13	18	38	55	70	79*	99*		
B87023	OPUTIKI	6	7	10	15	25	31	37	52	66	109	114		
B87103	WAIMANA	37	9	11	15	25	38	80	107	135	210	244		
B87212	MATAHI	183			20	30	52	113	156	194	281	306	3.6.11.	
(C) SECTION														
C64971	MANGERE, AUCKLAND	4	11	14	17	19	22	26	34	52	73	81		
C64981	OTARA, AUCKLAND	12	9	14	18	19	21	29	45	65	83	93		
C74082	AUCKLAND AIRPORT	8	9	11	11	16	20	28	33*	50*	66*	75*		
C74282	PUKEKOHE	82	5	9	10	14	20	30	35	39	58	58		
C74293	PUKEKOHE	67	6	9	13	19	20	32	38	46	58	58		
C75731	RUAKURA, HAMILTON	40	7	11	12	16	19	30	34	59	67	67		
C75801	WHATAWHATA	104	5	6	9	14	23	43	46	73	90	92		
C75832	HAMILTON AIRPORT	50	8	10	11	15	23	33	41	59	67	67		
C85061	ARAPUNI POWER STN	123	5	7	9	14	20	37	44	61	75	78		
C85314	TE KUITI	61	6	11	16	27	29	41	47	50	63	66		
C85551	PUREORA FOREST	549	5	9	11	14	24	41	51	62	75	93		
C85821	TAUMARUNUI	171	10	16	18	19	24	52	63	64	65	65		
C94011	NEW PLYMOUTH AIRPORT	27	12	18	20	23	34	52	52	53	59	67		
C94202	NORTH PLYMOUTH	955	13	17	21	36	68	133	182	317	356	440		
C95085	TURANGI	366	7	12	18	23	24	47	61	96	107	116		
(D) SECTION														
D05383	BALLANTRAE, WOODVILLE	347								32	51*	57		
D05561	HUKANUI	235			18	24	28	37	45	65	72	86		
D05751	MT BRUCE	457			14	24	33	48	73	115	176	193	11.	

STATION NUMBER	STATION NAME	HEIGHT ABOVE MSI METRES	MINUTES				HOURS				MISSING RECORDS. (MONTHS)	REMARKS	
			10	20	30	60	2	6	12	24			48
D SECTION (CONTD.)													
D05964	WAINGAWA, MASTERPTON	114	6	9	11	13	18	29	34	49	68	93	
D06011	APIITI TRACK	533			21	23	23	48	60	66	80	93	
D06051	WAIPIKURAU	137	5	8	11	19	23	27	39	50	61	70	
D06212	DANNEVIRKE	207	6	8	9	14	17	23	31	46	56	78	
D15081	NGAUMI FOREST	244	6	11	12	15	16	28	48	68	98	136	
D78801	GATE STATION	195			17	29	48	89	126	169	245	296	
D78931	RUATORIA	61	10	19	27	47	51	51	62	97	132	155	
D87281	WAIPAOA	244			8	13	20	35	50	70	78	90	
D87692	GISBORNE AIRPORT	4	8	11	12	13	20	39	63	69	75	102	
D87811	ONEPOTO, WAIKAREMOANA	643	5	8	9	15	25	39	60	99	144	167	
D96272	FSK FOREST	427	5	7	9	14	22	55	78	91	142	142	
D96382	TANGIOIO	213			8	13	24	41	49	53	101	119	7.
D96444	KAMEKA FOREST	414	7	12	12	15	28	34	38	60	75	78	
D96481	NAPIER AIRPORT	2	3	5	6	10	17	23	40	51	54	55	
D96680	HASTINGS	16	10	14	19	20	21	24	35	47	51	51	
D96689	HAVELOCK NORTH	9			10	18	23	23	33	41	45	50*	
D96743	GWAVAS FOREST	335	9	9	11	19	26	30	48	53	64	88	
D97043	WAIROA	20	9	14	20	25	27	38	54	76	103	109	
E SECTION													
E04991	PARAPARAUMU AIRPORT	7	7	10	11	17	26	54	64	66	69	R1	
E05171	TE AWA	320			8	13	23	42	52	64	79	99	1.2.3.6.12
E05231	OHAKEA	48	6	8	9	16	22	23	26	30	36	38	
E05273	VALLEY ROAD	152			7	9	15	19	26	44	49	49	1.2.3.
E05282	WHARITE PEAK	914								63	73*	73*	
E05361	PALMERSTON N AIRPORT	45	7	12	13	16	22	24	26	26	32	38	
E05363	PALMERSTON N D S I R	34	5	7	8	9	15	25	28	34	34	42	
E05431	HIMATANGI	12	8	10	10	11	14	23	26	31	36	39	
E05622	LEVIN	46	6	8	10	16	24	38	53	59	59	72	
E14195	AVALON, LOWER HUTT	15	5	9	12	19	29	60	78	89	125	175	
E14198	STOKES VALLEY	76	6	9	11	17	27	59	80	101	148	217	START 05
E14271	KARORI RESERVOIR	141	6	9	11	20	30	56	70	75	83	89	
E14272	KELBURN, WELLINGTON	125	6	9	12	21	31	55	67	70	76	82	
E14280	MAUNGARAKI NO 2	138	7	10	15	26	47	83	102	105	116	138	
E14294	WAINUIDMATA RESERVOIR	125	5	7	9	16	26	61	89	173	245	337	
E14296	WAINUIDMATA	82	7	11	13	17	27	61	80	113	168	237	
E14387	WELLINGTON AIRPORT	6	5	8	11	17	27	50	64	67	71	79	
E15011	KAITOKE	223	9	13	14	18	31	75	86	89	104	130	
E15021	HEADWORKS KAITOKE	189	12	13	16	24	36	83	95	101	124	160	
E15102	WALLACFVILLE	56	7	11	13	20	34	74	91	103	107	119	
E93271	CAPE EGDMONT	8	11	12	13	16	23	46	52	56	60	65	
E94332	STRATFORD	262	7	12	15	21	26	49	50	62	73	90	
E95445	OHAKUNE JUNCTION	629	5	7	9	11	17	29	36	44	57	63	
E95464	WAIOURU	823	4	6	7	8	11	20	36	45	59	68	
E95483	TATHAPE	433	6	8	9	10	20	32	44	48	57	70	
E95902	WANGANUI	22	4	7	9	11	14	16	21	26	26	33	
E95903	WANGANUI AIRPORT	9	5	6	7	11	15	19	25	28	30	38	
F SECTION													
F02882	TAKAKA	15			14	22	38	70	126	193	254	272	1.
F11752	WESTPORT AIRPORT	2	7	9	10	16	20	45	58	90	151	168	
F12162	COBR DAM	823	4	7	9	14	24	61	97	160	218	228	
F12831	MURCHISON	160	7	9	15	17	23	41	63	87	125	137	
F20793	HOKITIKA AIRPORT	39	10	16	20	31	56	81	138	168	212	235	
F21182	REEFTON	198	4	6	9	16	28	65	112	176	230	241	
F21422	GREYMOUTH	4	7	10	13	17	24	51	72	140	225	255*	
F21851	OTIRA SUBSTATION	383	9	15	20	35	60	137	199	340	411	444	
F30153	HARI HARI	45	7	11	16	29	54	90	137	183	273	309	
F30312	FRANZ JOSEF	155	11	17	26	43	80	138	210	251	330	402*	
F39802	HAAST TOWNSHIP	11			17	25	45	96	125	196	293	315	
F47691	MILFORD SOUND	3	10	15	21	39	64	176	275	417	606	741	
G SECTION													
G12191	KIWARA, MOTUEKA	8	6	8	9	15	23	46	82	165	233	235*	
G12371	BATON	201			8	13	23	61	90	132	182	192	
G12481	MOTUPIKO	183			8	11	16	36	67	103	125	126	11.
G13222	NELSON AIRPORT	2	10	15	18	21	22	38	62	93	112	117	
G13301	MOUTERE HILLS	110	5	8	11	17	25	49	94	145	169	175	
G13321	RODJING RIVER	183	6	11	14	24	30	70	122	185	228	252	
G13581	BLENHEIM AIRPORT	27	5	7	8	10	18	45	74	87	89	90	
G13592	BLENHEIM	4	5	6	8	13	15	40	51	64	74	74	
G13595	WITHER HILLS, BLENHEIM	32	5	5	7	12	14	34	42	56	64	64	
G13651	WAIHOPAI POWER STN	262	4	5	7	9	11	26*	44*	109	131	136*	
G14501	VERNON LAGOON	2	4	5	5	8	15	33	40	47	57	57	
G14711	LAKE GRASSMERE	2	4	6	6	8	15	33	40	43	52	52	
G22581	HANMER FOREST	387	3	5	7	12	16	29	45	66	96	116*	
G23471	KAIKOURA	108	4	6	9	16	24	38	49	57	57	72	
H SECTION													
H31352	LAKE COLERIDGE	364	2	4	6	10	15	29	42	90	112	117*	
H31572	HIGHBANK POWER STN	336	4	5	5	7	12	24	44	52	58	62	
H31883	WINCHMORE	160	3	4	5	8	12	25	36	43	56	60	
H32352	HANGIORA	46	8	11	12	12	13	15	18	35	52	58*	
H32451	CHRISTCHURCH AIRPORT	30	5	5	8	10	11	20	26	39	53	64	
H32641	LINCOLN	11	8	9	10	12	14	25	31	35	53	63	
H32751	GREENPARK	2	3	5	6	9	12	19	29	34	54	67	
H40112	LAKE PUKAKI	556	4	6	7	12	23	53	65	73	85	86	

STATION NUMBER	STATION NAME	HEIGHT ABOVE MSL METRES	MINUTES				HOURS				MISSING RECORDS (MONTHS)	REMARKS		
			10	20	30	60	2	6	12	24			48	72
iH SECTION (CONTD.)														
H40211	TWIZEL	457					17	40	55	71	84	85		
H41323	TIMARU AIRPORT	26	3	4	5	8	12	21	32	48	74	76		
H41411	ADAIR	85	3	5	7	10	12	22	29	47	69	73		
H41414	GLENITI RESERVOIR	76	3	6	7	10	15	21	28	41	62	66		
H41701	WAIMATE	61	3	5	7	8	11	24	34	45	53	54		
iI SECTION														
I40641	LAKE WAITAKI	229	3	5	7	11	16	34	52	57	58	58		
I49222	MAKARORA STATION	320	3	5	7	11	21	50	73	120	174	220		
I49591	TARA HILLS, OMAPAMA	488	3	5	6	10	16	45	64	69	75	75		
I49621	LAKE HAWEA	350	3	4	5	10	17	43	60	74	85	100		
I50084	WESTON	92			7	12	21	32	53	59	59	59	CLOSE 08	
I50662	CHERRY FARM HOSPITAL	6	3	4	6	8	14	33	52	74	81	81		
I50921	DUNEDIN AIRPORT	1	5	6	6	8	16	41	63	85	114	114		
I50951	MUSSELBURGH, DUNEDIN	2	4	5	6	10	16	35	59	78	103	107		
I57522	WEST ARM, MANAPURI	232	7	10	12	19	32	75	118	158	176	228		
I58061	QUEENSTOWN	329	3	5	8	15	26	58	77	89	94	102		
I58074	QUEENSTOWN AIRPORT	349	4	8	10	14	19	42	57	65	77	94		
I58552	MID DOME	386			9	12	21	43	61	75	77	89	6.	
I59235	CLYDE	171								62	68	68	START 03	
I59431	RUXBURGH POWER STN	110	2	2	3	4	7	16	17	63	80	79*		
I59693	DEEP STREAM	396			7	11	17	40	55	73	77	77		
I68192	GORE	123	3	3	5	9	16	35	55	64	65	68		
I68433	INVERCARGILL AIRPORT	0	4	5	6	10	14	36	51	53	54	70		
I68533	TIWAI POINT, BLUFF	5	7	8	8	14	20	31	45	48	52	68		
I68913	STEWART IS	3	6	7	8	10	19	35	45	47	56	90		
I69272	BALCLUTHA	12	4	8	10	12	13	27	50	62	62	63		
iJ SECTION														
J99700	RAOUL IS	38	13	21	27	37	51	89	115	128	128	156		
iK SECTION														
K94400	CAMPBELL IS	15	4	5	6	11	15	31	50	53	62	65		
K98600	WAITANGI, CHATHAM IS	44	10	13	15	20	25	34	38	39	48	56		
K98610	TUUTA AIRPORT CHATHAM	12			13	20	24	27	31	37	45	45		

1983.

RAISED PAN EVAPORATION TOTALS
(MILLIMETRES)

STATION NUMBER	NAME	HEIGHT METRES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
A43922	WATHARARA	18	-	-	-	-	-	-	-	66	85	101	148	183	-
A53191	KRIKRI M A F	79	198	158	115	57	44	26	40	50	89	86	120	140	1123
A53192	KRIKRI DOWNS	79	238	172	132	68	54	35	45	58	105	83	128	155	1273
A53482	KAIKOHE	204	206	137	127	62	59	36	38	58	90	90	131	142	1171
A53982	DARGAVILLE	20	198	154	130	59	72	50	37	57	108	106	166	182	1319
A54735	WHAU VALLEY DAM	152	185	115	94	44	34	21	31	39	65	68	105	107	908
A64282	LEIGH	27	191	157	125	71	66	40	44	58	77	72	142	135	1178
A64754	KUMEU	32	156	98	89	47	40	33	28	45	77	69	117	116	915
B76621	TAURANGA AIRPORT	4	245	176	165	84	70	52	49	61	97	91	159	175	1424
B76835	TE PUKE	91	160	122	111	40	32	24	36	45	77	58	124	135	964
B86083	TE TEKO	8	184	141	129	53	40	28	44	52	75	76	137	144	1103
B88131	ROTURUA AIRPORT	287	206	149	133	54	42	28	35	46	77	95	136	153	1154
B88602	TAUPO	376	185	164	133	51	29	19	18	23	60	82	126	147	1037
B88612	WAIKAKI RESEARCH STN	402	139	120	107	48	33	31	23	35	79	57	108	132	912
B87023	OPOTIKI	6	168	151	137	65	43	32	42	51	80	87	147	142	1145
C64971	MANGERE, AUCKLAND	4	202	152	133	61	56	34	33	60	94	88	148	159	1220
C64981	OTARA, AUCKLAND	12	191	148	126	60	54	31	33	53	87	89	139	152	1163
C74282	PIKEKOHE	82	190	130	115	61	45	28	37	54	80	77	138	148	1103
C75412	TE KAUWHATA	32	184	136	123	46	44	26	26	49	81	84	147	161	1107
C75724	OHOTE	40	181	161	117	-	43	25	-	-	-	-	-	-	-
C75731	RUAKURA, HAMILTON	40	149	115	107	44	30	21	27	40	63	77	116	133	922
C75801	WHATAWHATA	104	90	110	78	77	69	52	60	63	48	54	60	49	810
C75831	RUKUHIA	66	165	119	111	51	41	25	31	42	73	85	120	146	1009
C75845	HAUTAPU	60	142	115	99	46	42	58	-	-	-	-	-	-	-
D78931	RUATORIA	61	209	148	161	56	56	25	38	44	89	74	114	137	1151
D87683	MANUTIKI GIBBORNE	9	243	164	176	79	77	28	26	44	107	89	127	170	1330
D87811	ONEPOTO, WAIKARIMOANA	643	126	87	93	37	32	29	25	45	44	64	102	102	721
D9668A	HAVELOCK NORTH	9	-	-	-	-	-	-	-	-	73	65	112	135	-
D9668B	HAVELOCK NORTH	9	200	146	157	64	50	29	27	40	-	-	-	-	-
D96695	WHAKATU	6	221	123	154	73	66	34	29	40	83	82	126	169	1200
D96931	MAKARETU	335	236	145	157	60	50	27	23	41	82	76	111	146	1154
E05221	FLOCKHOUSE BULLS	9	211	148	137	75	54	33	27	50	86	100	149	196	1266
E05363	PALMERSTON N D S I R	34	164	132	102	71	46	27	21	39	70	81	101	150	1004
E05622	LEVIN	46	144	109	76	56	38	22	17	32	61	78	112	142	887
E14272	KELBURN WELLINGTON	125	159	107	101	49	43	26	24	35	58	64	98	144	908
E15011	KAITOKE	223	159	108	97	50	37	18	18	27	51	63	81	130	839
E15102	WALLACEVILLE	56	181	126	121	54	40	24	21	34	83	85	104	155	1028
E94512	MANAIA DEM FARM	98	176	129	115	79	71	35	41	59	93	97	133	164	1192
E94526	NORMANBY	122	178	127	124	58	51	38	28	52	64	79	123	132	1054
G12191	RIWAKA, MOTUEKA	8	190	147	122	50	43	21	17	41	65	88	129	145	1058
G13211	APPLEBY	17	232	178	157	76	54	27	26	63	78	97	140	173	1301
G13301	MOUTERE HILLS	110	241	189	182	88	68	46	39	70	89	94	132	161	1399
G1358A	BRANCOTT VALLEY	64	258	164	184	70	59	36	27	50	84	99	135	163	1329
G13595	WITHER HILLS, BLENHEIM	32	269	172	203	94	70	40	22	41	81	87	122	156	1357
G14501	VERNON LAGOONS	2	255	146	177	76	68	28	26	46	86	101	145	168	1322
G14711	LAKE GRASSMERE	2	300	156	224	116	107	63	63	90	144	142	202	214	1821
H30941	MT JOHN	1027	225	179	228	98	81	54	26	63	90	110	174	196	1524
H31172	CRAIGIEBURN FOREST	914	122	89	97	50	-	-	-	-	-	57	90	90	-
H31572	HIGHBANK POWER STN	336	238	116	197	95	75	55	41	67	105	93	155	155	1392
H31883	WINCHMORF	160	220	113	143	74	49	36	27	50	72	87	159	152	1182
H32412	DARFIELD	195	138	76	89	46	33	18	15	35	49	58	91	100	748
H32451	CHRISTCHURCH AIRPORT	30	252	128	176	79	55	37	21	48	97	119	177	175	1364
H32542	TEMPLETON	46	223	118	143	76	57	25	29	37	64	101	151	166	1190
H32573	BRONLEY, CHRISTCHURCH	9	176	98	96	43	29	16	9	29	59	78	124	141	898
H32641	LINCOLN	11	232	127	168	77	51	26	21	45	78	94	148	148	1215
H32642	BROADFIELD, LINCOLN	17	238	130	173	82	58	38	28	49	82	109	171	165	1323
H40112	LAKE PUKAKI	556	189	149	168	69	-	-	-	-	-	130	184	198	-
H41411	ADAIR	85	175	114	124	77	53	36	32	53	86	84	138	126	1098
I49591	TARA HILLS, ONARAMA	488	208	150	151	65	43	19	14	35	70	94	157	155	1161
I49822	QUEENSBERRY	277	222	153	165	78	44	26	17	44	75	112	178	190	1304
I49932	BENDIGO	200	219	180	176	88	56	29	22	49	84	108	187	193	1391
I50113	RANFURLY	427	188	116	106	60	29	-	-	38	38	68	-	132	-
I50835	INVERMAY TAIFRI	30	133	84	78	45	29	22	19	41	59	80	119	112	821
I59023	NORTHURN	210	201	145	131	64	42	24	17	46	73	106	189	173	1211
I59062	LAUDER	370	182	124	132	64	39	16	11	34	67	83	144	149	1040
I59133	CLYDE DAM	160	195	153	144	64	37	19	13	39	76	103	176	173	1192
I59232	EARNSCLEUGH	152	146	137	109	-	-	-	-	-	-	-	-	-	-
I59234	ALEXANDRA	141	139	-	-	-	-	-	-	-	-	-	-	-	-
I59235	CLYDE	171	-	-	127	53	29	13	10	33	69	93	163	169	-
I59891	MAHINERANGI DAM	396	135	74	75	45	31	28	20	31	50	80	124	98	791
I68192	GORE	123	127	85	88	47	36	24	15	42	54	80	125	121	844
I68362	WOODLANDS	47	86	65	58	32	17	9	10	28	44	68	109	104	630
I68433	INVERCARGILL AIRPORT	0	123	97	98	51	41	23	10	48	68	90	143	133	925

SUNKEN PAN EVAPORATION TOTALS
(MILLIMETRES)

STATION NUMBER	NAME	HEIGHT METRES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
C75831	RUKUHIA	66	137	91	91	48	-	-	-	-	-	-	-	-	-
G14711	LAKE GRASSMERE	2	303	170	238	122	107	61	63	82	129	234	204	212	1925

NOTE. RAISED PAN EVAPORIMETERS.
THE FOLLOWING STATIONS ARE EQUIPPED WITH GALVANISED IRON TANKS.
A64282, G13301, H32451, I59232
ALL OTHER STATIONS HAVE STAINLESS STEEL TANKS. THE REDUCTION OF
EVAPORATION IN STAINLESS STEEL TANKS COMPARED WITH GALVANISED
TANKS IS BELIEVED TO BE ABOUT 6 PER CENT.