LAND & DEED
27 JUN 1980
GISBORNE

SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, 12 JUNE 1980

Published by Authority

WELLINGTON: WEDNESDAY, 18 JUNE 1980

CLIMATOLOGICAL TABLE FOR APRIL 1980

NEW ZEALAND METEOROLOGICAL SERVICE

CLIMATOLOGICAL TABLE—*Summary of the Records of Temperature, Rainfall, and Sunshine for April 1980*

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius: Means of A Max.	Means of B Min.	Mean of A and B	Difference From Normal	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Rainfall in Millimetres: Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall: Amount	Date	Bright Sunshine
	Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs
Cape Reinga	191	19.1	13.6	16.4	−0.3	22.4	25	11.5	10	64	19	−33	23	6	..
Kaitaia Airport	80	19.8	12.1	16.0	−0.7	22.8	1	7.3	5	75	17	−44	20	26	157
Aupouri Forest	69	19.7	13.0	16.4	−0.9	22.5	27	8.6	14	55	15	−61	12	27	..
Kerikeri Aerodrome	150	19.1	10.3	14.7	..	21.5	27	7.0	14	93	16	..	38	6	..
Umawera	50	19.6	10.0	14.8	..	22.6	24	4.8	13	67	13	..	17	26	..
Kaikohe	204	18.2	11.0	14.6	−1.1	21.2	25	8.0	13	62	16	..	22	26	146
Waiotemarama	229	17.7	10.8	14.3	..	20.0	24	7.7	5	126	16	..	17	10	..
Waipoua Forest	88	19.5	9.1	14.3	−1.1	23.0	27	4.5	14	91	13	−59	12	27	..
Dargaville	20	19.7	9.3	14.5	−1.2	24.0	27	4.0	14	68	13	−36	12	27	151
Waitangi Forest	55	19.7	10.9	15.3	−1.4	21.6	7	7.0	5	65	12	−57	28	9	155
Glenbervie Forest	107	19.0	8.3	13.7	−0.9	22.6	7	2.6	13	80	18	−90	19	9	..
Whangarei Airport	37	19.5	11.0	15.3	−1.0	23.6	27	7.2	13	44	16	−88	10	9	..
Whangarei	29	19.9	9.7	14.8	−1.3	23.2	7	5.1	13	48	15	..	9	6	146*
Marsden Power Station	3	19.8	11.0	15.4	−1.5	23.3	7	7.0	13	32	17	..	4	6	..
Mokohinau	102	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Te Hana	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Leigh	27	19.1	12.5	15.8	−1.0	20.7	7	10.5	30	72	11	−27	22	10	156
Warkworth	72	19.1	9.3	14.2	−1.1	22.0	7	4.8	18	78	13	..	33	10	..
Oyster Point	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Woodhill Forest	30	19.4	9.1	14.3	−1.1	22.1	8	4.4	17	94	14	−18	21	27	..
Riverhead Forest	28	19.6	8.3	14.0	−1.2	22.0	28	1.0	20	81	12	−41	16	27	..
Kumeu	32	19.3	8.3	13.8	..	22.1	27	3.5	5	90	14	..	31	2	..
Whenuapai	26	19.3	9.2	14.3	−0.9	21.8	7	4.7	18	66	13	−51	17	2	..
Albert Park, Auckland	49	19.6	12.6	16.1	−0.5	21.6	7	9.7	5	61	14	−53	16	2	177*
Owairaka, Auckland	41	19.2	10.7	15.0	−0.6	22.0	7	6.4	5	60	14	−59	16	2	..
Port Fitzroy	4	19.9	..	..	+0.8	22.8	27	..	..	60	15	−100	19	9	..
Coromandel	43	19.6	10.4	15.0	..	22.5	7	6.2	16	60	16	..	21	6	..
Whangapoua Forest	4	20.1	8.8	14.5	−0.5	23.2	28	4.6	6	69	13	−96	32	27	..
Thames	3	19.4	11.1	15.3	−0.5	22.8	28	6.9	20	34	11	−80	16	2	128
Tairua Forest	3	19.3	9.4	14.4	−0.7	22.2	7	4.5	5	73	12	−97	29	27	..
Paeroa	4	20.4	8.5	14.5	+0.0	23.2	7	2.8	23	47	13	−75	12	2	..
Waihi	91	18.5	8.6	13.6	−0.8	22.4	28	2.3	23	97	14	−96	21	2	152
Te Aroha	12	19.7	9.3	14.5	−0.6	22.4	7	3.8	23	74	13	−53	20	29	..
Katikati	2	19.4	9.4	14.4	..	22.1	25	3.8	20	65	11	..	14	6	..
Tauranga	2	18.8	11.3	15.1	−0.4	23.0	25	7.0	20	57	12	..	12	29	..
Tauranga Airport	4	18.9	9.9	14.4	−0.6	22.7	25	5.6	15	86	14	−28	24	7	172
Te Puke	91	19.1	8.8	14.0	−0.6	24.0	25	4.6	24	146	12	..	33	27	..
Rotoehu Forest	72	18.8	7.4	13.1	−0.5	24.1	25	1.7	20	124	12	−8	37	8	..
Edgecumbe	5	19.4	8.4	13.9	−0.6	23.3	25	4.3	24	84	13	..	24	9	..
Whakatane	2	19.2	9.5	14.4	−0.6	21.5	17	5.0	20	115	12	+8	59	8	170
Whakatane Airport	6	18.5	8.0	13.3	..	20.8	25	2.6	20	95	12	..	51	8	..
Port Ohope	9	18.6	10.8	14.7	..	20.3	25	7.3	4	125	10	..	87	8	168
Kinleith	383	16.5	7.6	12.1	−0.3	19.9	25	2.7	20	139	12	+41	40	2	..
Tokoroa	305	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tikitere	338	16.9	9.0	13.0	..	19.2	25	3.8	20	167	12	..	49	27	..
Kawerau	30	19.3	9.3	14.3	−0.8	24.8	25	4.5	4	178	10	+33	52	27	..
Te Teko	8	20.1	7.8	14.0	−0.7	25.5	25	3.8	24	152	13	+28	28	9	161
Whakarewarewa	307	17.6	7.8	12.7	−0.5	22.0	25	0.5	4	117	13	+0	24	27	..
Rotorua Airport	287	17.5	8.2	12.9	−0.3	21.7	25	2.0	20	122	12	+3	40	27	157
Tarawera Forest	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waiotapu Forest	435	16.0	6.5	11.3	−0.4	20.7	25	1.2	20	117	13	+5	27	27	..
Atiamuri Power Station	253	17.8	7.8	12.8	+0.2	21.6	25	2.8	20	121	13	+14	30	2	..
Kaingaroa Forest	544	15.6	5.7	10.7	−0.8	21.0	25	−0.5	20	134	13	+20	29	27	..
Murupara	198	18.2	6.9	12.6	..	24.6	25	−0.5	20	123	11	+29	29	27	..
Broadlands	305	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wairapukao Forest	437	16.5	3.9	10.2	−0.8	22.6	25	−4.1	20	105	11	+1	22	27	..
Taupo	376	17.1	6.5	11.8	−0.6	21.5	25	2.2	5	73	12	−18	27	27	141
Wairakei Power Station	342	17.3	6.7	12.0	−0.6	21.0	25	1.7	5	95	13	−4	25	2	..
Wairakei Research Station	402	17.9	5.6	11.8	+0.0	22.1	25	0.4	5	105	13	+8	26	2	..
Minginui Forest	366	17.2	5.6	11.4	−0.1	24.7	25	−2.1	20	211	14	+102	54	3	..
Taupo Airport	407	16.5	6.5	11.5	..	20.4	25	1.1	16	56	12	..	16	27	..
Waimihia Forest	743	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Opotiki	6	18.7	9.3	14.0	−0.8	20.4	25	5.1	4	116	7	−1	57	8	173
Waimana	37	19.3	7.2	13.3	−0.7	24.5	25	1.9	20	206	12	+61	55	27	..
Mangere, Auckland	4	18.9	10.6	14.8	−0.9	21.5	7	6.2	5	53	13	−56	18	2	163
Otara, Auckland	12	19.7	9.3	14.5	−0.7	22.2	7	4.4	5	46	13	−61	13	2	..
Orere Point	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Auckland Airport	8	19.1	10.9	15.0	−1.0	21.1	7	6.8	5	63	12	−44	25	2	165
Ardmore	30	19.6	8.8	14.2	−1.0	21.7	8	4.0	18	62	11	−52	25	2	..
Pukekohe	82	18.6	9.6	14.1	−1.1	21.0	7	6.5	5	67	11	..	21	27	150
Maioro Forest	52	19.1	9.7	14.4	−1.1	21.5	11	5.6	5	76	11	−38	19	29	..
Hunua	122	18.5	7.7	13.1	..	20.3	7	2.4	5	52	14	..	25	2	..
Mercer	35	19.1	8.8	14.0	..	21.5	28	3.8	20	68	10	..	21	2	..
Maramarua Forest	38	19.2	7.4	13.3	−0.8	22.1	7	2.0	5	57	11	−60	18	2	..

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	Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs
Te Kauwhata	32	..	9.1	..	..	..	..	4.3	19	94	11	−8	27	2	138
Ruakura, Hamilton	40	18.8	8.0	13.4	−0.6	21.1	7	2.3	5	82	12	−17	20	2	148
Whatawhata	104	18.4	8.1	13.3	−1.1	20.6	28	3.6	20	118	10	−17	36	27	141
Rukuhia	66	18.9	8.4	13.7	−0.7	21.6	7	3.5	15	88	12	−14	25	2	135
Hamilton Airport	50	19.0	6.8	12.9	−0.7	21.2	28	1.4	5	85	12	−14	20	2	..
Cambridge	76	18.8	8.1	13.5	..	21.3	28	3.2	20	112	12	..	25	2	..
Port Taharoa	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mohakatino Station Mokau	46	17.7	10.8	14.3	−0.5	21.0	27	8.2	12	112	12	−20	28	2	..
Arapuni Power Station	123	18.8	..	..	..	24.0	10	..	..	115	14	+6	31	27	..
Waikeria	46	18.9	6.9	12.9	..	21.1	7	1.1	20	101	12	..	29	27	..
Te Kuiti	61	18.8	7.8	13.3	−0.6	21.5	7	2.6	20	101	13	−13	27	2	123
Pureora Forest	549	15.6	5.3	10.5	−0.4	18.4	26	−1.2	20	151	13	+14	39	27	..
Taumarunui	171	18.4	7.3	12.9	−0.4	20.5	22	2.4	19	113	16	+4	28	2	112
Omata	61	18.1	11.2	14.7	−0.3	20.5	22	8.0	12	130	13	..	53	27	..
New Plymouth	55	18.2	9.9	14.1	..	21.1	22	5.6	20	131	12	..	48	27	..
New Plymouth Airport	27	17.8	10.0	13.9	−0.2	19.0	18	5.7	20	89	13	−28	35	27	159
Tikorangi	77	17.5	9.3	13.4	..	20.1	22	5.4	15	110	14	..	37	27	..
Te Wera Forest	180	17.2	6.7	12.0	+0.0	19.8	22	0.2	13	139	13	+4	36	27	..
Lower Retaruke	223	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Turangi	366	17.0	5.7	11.4	−0.8	22.4	25	−0.5	20	165	13	..	48	27	158
Chateau, Mt Ruapehu	1119	13.2	2.4	7.8	−0.2	19.7	25	−1.6	19	230	14	+6	55	2	..
Mangamutu, Pahiatua	116	16.8	8.2	12.5	−0.1	21.0	8	−1.3	20	180	15	+86	37	10	..
Mt Bruce Reserve	305	16.6	6.1	11.4	+0.1	23.0	25	−0.6	20	243	15	..	99	9	..
Waingawa, Masterton	114	17.8	7.2	12.5	−0.2	23.5	25	1.0	20	124	14	+53	63	9	130
Kopua	311	15.9	7.9	11.9	−0.6	20.0	24	1.5	20	185	14	+104	79	10	..
Waipukurau	137	17.5	7.2	12.4	−0.5	22.1	26	−0.4	20	129	11	+71	60	10	147*
Dannevirke	207	17.0	7.7	12.4	−0.4	22.2	17	−0.4	20	182	14	+101	79	10	127
Castlepoint	3	17.2	11.6	14.4	+0.6	21.5	26	6.6	20	95	13	+16	41	9	..
Ngaumu Forest	244	17.7	5.7	11.7	+0.2	23.0	25	−1.2	20	183	15	+102	91	9	..
Tauherenikau, Alloa	43	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gladstone, Arahura	116	17.4	6.7	12.1	−0.4	22.5	25	−0.5	20	155	13	+89	64	9	..
Waiorongomai	21	16.6	8.7	12.7	+0.2	19.5	26	3.0	20	186	13	+74	52	9	..
Cape Palliser	10	17.2	11.2	14.2	+0.5	25.9	25	5.9	20	121	15	+42	52	9	..
East Cape	17	19.2	11.5	15.4	−0.7	23.4	25	6.4	4	123	12	−4	47	28	..
Ruatoria	61	20.4	8.9	14.7	−0.4	27.1	25	2.4	24	236	10	+63	97	8	..
Mangatu Forest	182	18.9	8.2	13.6	−0.2	26.8	25	2.8	4	109	13	−3	44	11	..
Manutuke Gisborne	9	19.6	8.4	14.0	−0.4	26.5	25	2.4	22	102	11	+16	37	11	..
Gisborne Airport	4	19.5	8.6	14.1	−0.5	25.7	25	4.0	21	98	12	+7	40	9	164
Onepoto, Waikaremoana	643	16.3	7.3	11.8	−0.1	26.5	27	4.0	4	171	14	−9	63	10	..
Wharerata Forest	439	16.1	8.8	12.5	..	24.0	25	5.0	4	213	12	..	66	9	..
Esk Forest	427	16.5	7.7	12.1	−0.4	24.5	25	1.3	20	233	11	+98	118	10	..
Kaweka Forest	414	17.0	9.3	13.2	+0.7	24.0	25	4.5	20	162	9	..	99	10	..
Napier Airport	2	18.4	7.9	13.2	..	25.0	28	−0.3	21	99	9	+35	62	10	..
Napier	2	19.0	9.1	14.1	−0.7	24.3	25	3.4	20	109	8	+48	65	10	160
Hastings	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Havelock North	9	18.6	6.9	12.8	−0.7	24.2	25	1.4	20	125	8	+69	83	10	148
Gwavas Forest	335	16.8	5.6	11.2	−0.5	22.2	25	0.6	20	194	11	+105	118	10	..
Makaretu	335	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mohaka Forest	286	17.7	8.2	13.0	−0.2	24.8	24	3.3	21	171	10	+34	93	10	..
Frasertown, Wairoa	8	..	8.9	..	..	..	..	4.2	21	92	13	−25	36	10	..
Wairoa	20	..	9.2	..	..	..	..	4.2	21	84	14	..	35	10	148
Portland Island	78	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kapiti Island	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paraparaumu Aerodrome	7	16.7	9.8	13.3	−0.3	18.9	27	3.4	20	163	15	+87	58	2	106
Flockhouse, Bulls	9	17.4	8.3	12.9	−0.6	20.1	7	1.4	20	59	13	−7	17	10	..
Ohakea	48	17.3	9.4	13.4	−0.6	20.4	7	3.2	20	56	15	−13	14	10	128
Wharite Peak	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kairanga Palmerston North	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palmerston North Airport	45	17.4	8.0	12.7	−0.5	20.4	8	0.1	21	113	13	+44	26	10	..
Palmerston North D S I R	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Massey University	61	17.4	9.4	13.4	..	20.6	28	2.6	20	103	13	+29	30	10	..
Foxton	3	..	..	..	..	..	..	..	..	68	14	+4	20	27	..
Waitarere Forest	3	17.0	9.0	13.0	−0.4	20.6	28	2.2	12	86	15	+20	25	27	..
Levin	46	17.0	9.4	13.2	−0.4	22.3	28	3.6	23	134	14	+50	35	27	104
Porirua	94	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Taita, Lower Hutt	65	16.7	9.1	12.9	−0.5	19.4	25	3.0	20	158	15	+56	33	2	98
Avalon, Lower Hutt	15	16.8	9.9	13.4	−0.1	20.0	25	4.7	20	149	15	+52	37	2	..
Kelburn, Wellington	125	15.7	10.5	13.1	−0.3	18.6	8	6.1	20	144	14	+47	43	2	101
Somes Island	43	15.8	10.6	13.2	..	18.0	8	4.0	19	97	13	..	26	2	..
Gracefield, Lower Hutt	34	16.2	10.4	13.3	−0.4	18.7	27	4.6	20	172	13	+70	34	6	..
Wainuiomata	82	16.1	8.9	12.5	−0.3	19.0	20	2.4	20	192	13	..	54	9	..
Wellington Airport	6	16.2	10.8	13.5	−0.5	18.2	8	5.7	20	133	16	+57	40	2	..
Kaitoke	223	15.9	7.0	11.5	+0.0	18.9	15	−2.7	23	277	13	+135	96	9	109
Wallaceville	56	16.8	7.5	12.2	−0.6	19.1	20	−0.5	23	172	18	+86	44	9	91
Cape Egmont	8	17.7	10.0	13.9	−0.7	19.3	25	4.6	20	126	14	+14	64	27	..
Stratford Mountain House	846	12.2	4.4	8.3	−0.5	16.5	22	−0.5	23	507	13	+19	187	27	..
Stratford Dem. Farm	311	15.9	6.6	11.3	−1.0	18.2	25	1.7	20	135	12	−15	44	27	126

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	Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs
Manaia Dem. Farm	98	17.0	8.0	12.5	−0.8	20.1	27	2.5	20	112	11	+15	33	27	145
Normanby	122	16.8	7.8	12.3	..	19.1	7	2.2	20	105	16	..	25	2	..
Patea	43	17.2	9.9	13.6	−0.7	20.0	27	4.0	20	93	13	−19	18	2	..
Ohakune Junction	629	15.0	5.1	10.1	..	18.0	24	0.6	20	114	13	..	28	2	..
Karioi	648	16.0	4.6	10.3	−0.1	20.3	28	0.5	23	68	12	−21	20	2	..
Waiouru	823	14.3	3.1	8.7	−0.4	20.7	26	−1.5	15	68	11	−18	18	10	..
Waiouru Military Camp	823	13.8	3.3	8.6	−0.3	20.7	26	−1.8	23	76	14	−3	21	10	..
Taihape	433	16.9	5.2	11.1	+0.0	22.4	28	−1.9	23	54	11	..	19	10	..
Kahui, Taihape	518	16.0	6.3	11.2	−0.6	21.3	28	2.1	20	60	12	..	26	10	..
Wanganui	22	17.6	9.8	13.7	−0.6	21.0	27	5.0	20	51	15	−23	8	10	134
Wanganui Airport	9	17.8	9.7	13.8	..	21.2	27	5.1	20	51	13	..	8	1	..
Farewell Spit	3	17.7	9.7	13.7	+0.1	19.6	25	4.1	20	221	14	+119	64	27	..
Totaranui	10	17.3	9.7	13.5	..	23.0	25	6.6	2	239	12	..	62	6	..
Westport Airport	2	16.7	9.4	13.1	+0.2	20.0	10	4.9	22	126	13	−65	23	1	131
Cobb Dam	823	14.2	3.6	8.9	+0.0	21.7	25	−0.4	23	182	13	−6	66	6	..
Arapito	20	..	8.7	..	..	..	..	4.0	22	109	14	..	25	28	111
Karamea	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Rotoroa	443	15.7	5.5	10.6	..	21.2	26	−0.3	23	79	12	..	19	28	..
Lake Rotoiti	634	14.9	4.3	9.6	+0.5	20.9	25	−2.1	23	92	13	−50	24	28	..
Hokitika Airport	39	16.5	9.1	12.8	+0.8	19.9	7	3.7	23	215	12	−19	53	25	114
Reefton	198	16.9	6.4	11.7	+0.5	20.2	24	−0.7	23	91	11	−84	29	28	..
Totara Flat	77	17.6	6.3	12.0	+0.5	20.7	9	−1.0	23	86	11	−82	23	28	..
Greymouth	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Otira Substation	383	15.0	6.8	10.9	..	18.5	12	1.7	19	136	14	−283	29	27	..
Springs Junction	421	15.2	5.2	10.2	..	20.1	26	−3.4	23	96	16	−95	22	1	..
Hari Hari	45	17.5	6.9	12.2	+1.0	23.2	10	−0.6	4	244	12	−48	76	24	..
Franz Josef	122	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fox Glacier	152	16.9	7.8	12.4	..	23.7	10	4.1	4	345	15	−47	123	24	..
Milford Sound	3	16.8	6.7	11.8	+0.8	21.4	9	1.4	22	316	7	−210	223	24	..
Puysegur Point	43	14.3	9.3	11.8	..	20.6	24	6.0	6	63	14	−150	13	27	..
Stephens Island	187	15.0	11.3	13.2	..	17.5	7	7.9	3	95	15	+29	38	27	..
Riwaka, Motueka	8	17.1	7.6	12.4	−0.4	21.5	25	2.0	23	166	12	+39	47	27	155
Tapawera	146	17.6	5.0	11.3	..	25.0	25	−1.0	23	93	11	..	32	6	..
Appleby	17	16.9	8.4	12.7	−0.5	20.0	25	3.1	23	106	11	+20	31	27	..
Nelson Airport	2	16.7	8.7	12.7	+0.2	20.1	25	3.7	23	101	13	+12	34	27	154
Rai Valley	79	17.5	7.5	12.5	+0.3	21.7	25	1.7	19	205	11	+40	54	9	..
Moutere Hills	110	16.4	9.6	13.0	−0.4	20.0	24	6.5	4	104	12	+5	36	27	..
Blenheim Airport	27	17.9	7.6	12.8	−0.1	25.0	25	1.8	22	166	9	+105	81	9	..
Blenheim	4	18.1	8.1	13.1	+0.0	25.2	24	2.3	22	153	10	+100	65	9	163
Waihopai Power Station	262	16.9	6.6	11.8	−0.4	25.5	25	1.6	19	99	11	+23	43	9	..
Vernon Lagoons	2	17.6	7.3	12.5	+0.0	25.0	24	1.6	19	175	11	..	87	9	157
Lake Grassmere	2	16.5	9.7	13.1	−0.1	26.0	24	4.0	4	174	11	+128	97	9	147
Cape Campbell	3	16.1	11.2	13.7	+0.5	19.4	24	7.9	4	176	12	+123	87	9	..
Hanmer Forest	387	16.8	4.3	10.6	−0.1	26.2	26	−2.0	22	143	15	+44	52	9	123
Molesworth	893	14.9	2.0	8.5	+0.0	24.3	25	−4.2	22	62	8	+4	20	9	..
Kaikoura	99	15.3	10.0	12.7	−0.1	24.1	24	6.9	4	133	14	+59	45	9	116
Arthurs Pass	738	12.6	4.1	8.4	..	18.2	20	−2.0	19	121	15	−207	27	27	..
Balmoral Forest	198	17.1	5.9	11.5	+0.4	26.0	26	−0.2	23	146	10	+85	80	27	..
Hawarden	244	16.9	5.8	11.4	..	24.6	26	−1.0	4	97	13	..	26	28	..
Waiau	137	16.9	5.2	11.1	..	26.0	23	−0.9	23	88	15	..	23	9	..
The Hermitage, Mt Cook	765	14.4	4.3	9.4	+0.4	21.5	23	−1.7	4	341	14	+1	142	24	105
Mt John	1027	11.9	4.2	8.1	−0.4	22.2	23	−0.5	29	57	8	+6	30	28	158
Craigieburn Forest	914	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lake Coleridge	364	16.0	6.3	11.2	+0.6	23.8	24	0.7	4	77	12	+1	23	28	..
Highbank Power Station	336	15.1	7.5	11.3	+0.2	24.2	24	3.2	4	118	15	+27	31	28	125
Hororata Substation	192	16.6	6.0	11.3	+0.3	29.3	24	0.1	23	120	20	+51	34	28	..
Winchmore	160	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Peel Forest	274	15.6	5.9	10.8	..	27.0	24	0.1	2	134	19	..	48	28	..
Ashburton	101	16.5	7.5	12.0	+0.3	28.8	24	1.1	2	118	14	+52	46	28	127
Waipara	64	..	..	..	..	..	..	..	..	95	9	..	32	28	..
Ashley Forest	107	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rangiora	46	16.0	7.3	11.7	+0.0	25.9	24	1.5	2	84	16	+31	31	28	..
Darfield	195	16.7	7.2	12.0	+0.5	25.5	24	1.7	19	102	14	+33	41	28	..
Eyrewell Forest	158	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Christchurch Airport	30	16.3	7.0	11.7	+0.0	25.9	25	0.8	2	83	16	+27	29	28	127
Templeton	46	16.1	7.0	11.6	..	25.0	24	1.6	19	85	14	..	28	28	..
Christchurch	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bromley, Christchurch	9	16.6	8.8	12.7	+0.4	26.5	25	4.5	4	76	16	+20	29	28	..
Mt Pleasant	137	16.4	9.7	13.1	+0.2	26.1	24	6.5	4	90	16	+32	33	28	..
Lincoln	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Broadfield, Lincoln	12	..	..	..	..	..	..	..	..	65	24	..	32	28	..
Akaroa	3	17.1	7.5	12.3	..	26.2	24	2.7	2	105	9	..	34	29	..
Lake Tekapo	683	14.4	4.5	9.5	−0.2	22.8	23	−1.0	4	69	9	+16	37	28	142
Lake Pukaki	556	14.1	5.3	9.7	+0.0	21.3	23	−1.0	4	65	10	..	35	28	..
Fairlie	304	16.0	3.5	9.8	..	26.2	24	−2.7	4	98	10	..	44	28	..
Twizel	457	15.8	3.3	9.6	+0.1	23.8	24	−3.5	4	62	9	..	34	28	..
Ikawai	70	16.2	6.1	11.2	+0.7	25.5	24	1.0	2	132	10	..	69	28	..

CLIMATOLOGICAL TABLE—*Summary of the Records of Temperature, Rainfall, and Sunshine for April 1980*—continued

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius: Means of A Max.	Means of B Min.	Mean of A and B	Difference From Normal	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Rainfall in Millimetres: Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall: Amount	Date	Bright Sunshine
	Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs
Geraldine	119	15.8	6.8	11.3	..	25.6	24	1.0	4	191	13	..	76	28	..
Orari Estate	81	15.7	6.6	11.2	+0.8	26.0	24	0.8	2	97	16	+31	42	10	..
Temuka	24	15.9	6.5	11.2	+0.1	22.8	24	2.2	4	154	11	+101	81	28	..
Timaru Airport	26	15.7	6.2	11.0	+0.2	24.3	24	1.3	4	140	10	+94	72	28	..
Adair	85	14.9	8.1	11.5	+0.1	23.2	24	3.8	4	177	12	+129	88	28	..
Timaru	17	15.3	7.7	11.5	+0.0	24.0	24	3.4	22	163	12	+115	84	28	137
Waimate	61	16.2	7.7	12.0	+0.1	24.8	24	4.3	4	181	12	+128	83	28	..
Kurow	207	17.1	6.3	11.7	..	26.0	23	0.0	4	89	9	..	40	9	..
Oamaru Airport	30	14.9	7.2	11.1	+0.4	23.6	24	2.3	4	108	11	+67	63	28	131
Tara Hills, Omarama	488	16.1	4.5	10.3	+0.9	24.0	24	−2.7	19	57	8	+14	22	26	152
Lake Hawea	350	15.0	6.1	10.6	−0.4	20.4	24	0.8	4	59	8	+1	23	26	..
Wanaka	296	16.8	4.8	10.8	−0.5	23.1	25	−0.7	19	66	6	+15	26	26	..
Queensberry	277	16.7	5.7	11.2	..	24.6	25	−0.1	22	56	9	..	24	28	..
Bendigo	200	17.2	4.5	10.9	..	25.2	24	−1.4	19	54	9	..	27	28	..
Naseby Forest	610	14.8	2.9	8.9	+0.6	23.2	24	−2.6	4	53	7	+2	26	28	..
Ranfurly	427	15.6	3.1	9.4	..	24.6	24	−4.0	19	48	6	..	23	9	129
Herbert Forest	61	16.1	6.0	11.1	+0.4	25.5	24	1.6	4	80	11	+24	33	28	..
Palmerston	21	16.1	6.1	11.1	+1.2	26.0	24	0.0	19	114	11	..	57	28	142
Cherry Farm Hospital	6	15.4	6.3	10.9	+0.1	25.8	24	1.5	5	87	14	+31	39	28	..
Taiaroa Head	72	13.9	9.1	11.5	+0.5	23.9	24	5.4	30	64	13	+0	37	28	..
Invermay, Taieri	30	15.1	5.9	10.5	..	25.6	24	0.0	19	93	14	..	40	28	124
Berwick Forest	18	15.7	6.0	10.9	+0.4	26.0	24	−0.9	20	48	11	−16	11	27	..
Dunedin Airport	1	15.7	4.7	10.2	−0.1	26.1	24	−1.9	19	60	12	+4	26	28	129
Musselburgh, Dunedin	2	14.8	8.4	11.6	+0.2	24.0	24	4.3	13	74	13	+0	35	28	104
Te Anau	215	15.3	5.1	10.2	+0.7	21.0	24	−1.8	21	28	7	−71	15	28	148
West Arm, Manapouri	232	13.0	5.3	9.2	+0.0	18.5	24	2.0	6	80	8	..	44	24	..
Borland Burn	182	15.7	3.8	9.8	..	21.5	24	−2.6	23	41	17	..	11	28	..
Queenstown	329	15.9	6.4	11.2	+0.7	23.5	24	2.0	22	54	7	−17	25	28	141
Queenstown Airport	349	14.5	4.1	9.3	−0.4	22.6	24	−1.0	21	50	8	−9	24	28	..
Cromwell	213	17.3	4.3	10.8	+0.0	25.4	24	−2.5	22	52	6	+19	23	28	150
Northburn	210	17.3	4.7	11.0	..	25.4	24	−0.8	22	48	11	..	19	28	..
Clyde Dam	160	16.9	4.5	10.7	..	26.6	24	0.0	22	68	9	..	37	28	..
Ophir	305	17.2	2.2	9.7	+0.3	25.0	24	−5.2	22	60	5	+30	35	28	..
Moa Creek	427	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Earnscleugh	152	17.6	3.1	10.4	+0.4	27.6	24	−3.4	22	53	4	+23	25	28	..
Alexandra	141	17.8	4.5	11.2	+0.5	27.0	24	−1.0	22	51	8	+23	25	28	151
Roxburgh Power Station	110	16.9	5.0	11.0	+0.1	26.5	24	−0.5	6	48	10	+10	21	27	..
Moa Flat	410	14.7	4.7	9.7	+0.6	22.6	24	0.7	6	40	13	−26	15	27	..
Mahinerangi Dam	396	13.5	5.4	9.5	+0.9	21.7	24	−1.1	13	102	15	+21	29	9	..
Tapanui	226	14.9	5.7	10.3	+0.0	23.5	24	1.0	19	79	14	+0	24	9	..
Rankleburn Forest	255	14.5	4.9	9.7	−0.1	25.6	24	..	..	98	14	+7	22	28	..
Taieri Mouth	15	14.2	7.4	10.8	+0.5	25.2	24	1.9	19	45	14	−24	14	28	..
Otautau	55	15.7	4.9	10.3	+0.2	24.2	24	−1.0	19	46	9	−56	13	27	108
Winton	44	15.3	5.0	10.2	−0.4	25.0	23	−0.4	19	30	9	−44	8	28	130
Gore	123	14.7	6.0	10.4	+0.5	24.2	24	−0.2	19	29	11	..	7	2	136
Hokonui Forest	46	15.9	5.7	10.8	+0.3	24.0	24	−1.0	19	29	11	−68	6	29	..
Woodlands	47	15.3	5.6	10.5	+0.4	23.6	24	−0.1	13	32	12	..	7	28	..
Invercargill Airport	0	14.7	5.3	10.0	+0.0	23.0	24	−2.2	19	20	11	−84	5	29	119
Tiwai Point, Bluff	5	14.7	7.9	11.3	+0.4	23.0	24	2.4	13	15	9	..	6	28	..
Stewart Island	3	13.9	7.3	10.6	..	22.4	24	2.2	19	22	16	..	5	2	..
Milton	18	15.2	5.4	10.3	+0.2	..	..	−1.4	19	34	10	−30	8	9	..
Finegand, Balclutha	6	15.8	7.0	11.4	+1.2	25.6	24	0.7	19	44	12	..	13	27	117
Owaka	5	15.0	6.0	10.5	..	25.0	24	0.2	11	57	14	..	11	29	..
Nugget Point	129	13.5	7.7	10.6	+0.5	22.8	24	5.0	20	53	16	−23	8	27	..
Tautuku	61	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rarotonga Airport	7	28.0	22.7	25.4	+0.3	30.5	5	18.6	22	98	19	−85	24	3	141
Raoul Island	38	23.4	18.3	20.9	+0.2	25.3	9	15.5	30	71	15	−53	14	2	169
Waitangi, Chatham Island	44	14.6	9.6	12.1	−0.3	17.2	27	5.8	8	49	17	−40	24	1	77
Campbell Island	15	10.1	6.3	8.2	+1.1	12.7	23	−0.1	9	66	27	−56	..	.. 27	
Nandi Airport, Fiji	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totokoitu, Rarotonga	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scott Base, Antarctica	16	−16.6	−26.7	−21.6	+2.7	−8.8	28	−40.6	18	..	..	..	..	..	..
LATE RETURNS AND CORRECTIONS															
Pukekohe 03/1980	82	20.4	12.0	16.2	−1.2	23.7	1	6.5	22	151	16	..	58	15	148
Te Kauwhata 03/1980	32	21.2	12.3	16.8	−0.7	25.3	11	5.5	24	91	15	+7	39	31	147
Ruakura, Hamilton 03/1980	40	21.2	11.1	16.2	−0.5	24.9	4	3.9	18	110	15	+26	43	15	175
Waipukurau 03/1980	137	19.5	10.6	15.1	−0.7	24.2	20	2.8	22	146	21	+80	48	15	113*
Tauherenikau, Alloa 03/1980	43	19.9	9.8	14.9	−0.9	24.0	10	2.7	22	187	19	+103	40	1	..
Gladstone, Arahura 03/1980	116	18.7	9.3	14.0	−1.4	23.0	30	1.0	27	132	17	+63	26	1	..
Kaweka Forest 03/1980	414	18.1	10.5	14.3	−1.4	25.0	20	4.5	18	374	20	..	78	15	..
Napier Airport 03/1980	2	20.8	11.7	16.3	..	26.5	30	4.7	18	189	15	+115	92	15	..
Flockhouse, Bulls 03/1980	9	19.5	10.8	15.2	−1.0	23.7	9	1.4	18	128	19	+67	23	2	..
Wharite Peak 02/1980	914	14.4	8.2	11.3	−0.4	24.0	9	3.3	24	143	17	+8	34	21	..
Wharite Peak 03/1980	914	11.2	6.8	9.0	−1.5	16.0	2	3.0	18	340	24	+193	55	15	..
Kairanga Palmerston North 03/1980	15	19.9	10.8	15.4	−0.9	24.0	9	1.6	18	137	17	..	28	31	119

CLIMATOLOGICAL TABLE—*Summary of the Records of Temperature, Rainfall, and Sunshine for April 1980*—continued

Station	Height of Station Above M.S.L.	Air Temperature in Degrees Celsius: Means of A Max.	Means of B Min.	Mean of A and B	Difference From Normal	Absolute Maximum and Minimum: Maximum	Date	Minimum	Date	Rainfall in Millimetres: Total Fall	No. of Rain Days	Difference From Normal	Maximum Fall: Amount	Date	Bright Sunshine
	Metres	°C	°C	°C	°C	°C		°C		mm		mm	mm		Hrs
LATE RETURNS AND CORRECTIONS															
Palmerston North D S I R 03/1980	34	19.2	11.8	15.5	−0.9	23.0	9	3.1	18	137	21	+63	24	15	108
Foxton 03/1980	3	..	..	..	..	..	..	..	..	156	13	+100	35	28	..
Stratford Dem. Farm 03/1980	311	18.1	8.9	13.5	−1.1	21.8	5	1.0	18	290	18	+153	60	30	125
Patea 03/1980	43	18.8	12.5	15.7	−0.8	22.5	5	6.5	18	150	15	+68	42	31	..
Karioi 03/1980	648	16.9	7.7	12.3	−1.1	19.5	10	−0.5	22	162	19	+83	57	15	..
Karamea 02/1980	5	19.9	12.3	16.1	..	24.2	15	7.2	11	149	11	..	26	9	..
Karamea 03/1980	5	18.4	..	..	..	..	..	..	..	203	15	..	46	31	..
Franz Josef 03/1980	122	18.1	8.4	13.3	−0.7	24.4	3	3.0	21	321	17	−129	65	30	..
Puysegur Point 03/1980	43	15.8	9.5	12.7	..	21.6	3	4.0	17	162	19	−54	27	24	..
Molesworth 03/1980	893	16.1	4.9	10.5	−1.4	21.2	19	−3.4	18	80	10	+32	18	28	..
Kaikoura 03/1980	99	17.4	10.9	14.2	−0.7	25.0	19	5.7	18	384	14	+308	235	2	160
Waipara 03/1980	64	18.8	..	..	..	24.5	30	2.0	18	175	15	..	50	2	..
Templeton 03/1980	46	18.0	9.2	13.6	..	25.0	30	1.1	18	116	14	..	34	2	..
Lincoln 03/1980	11	18.2	9.9	14.1	−0.3	25.7	30	0.6	18	106	14	+40	28	2	195
Lake Tekapo 03/1980	683	16.4	6.5	11.5	−1.6	21.0	6	0.0	18	61	12	+13	23	31	192
Adair 03/1980	85	16.6	9.1	12.9	−0.9	24.1	19	3.6	18	148	17	+90	50	2	..
Tara Hills, Omarama 03/1980	488	18.0	5.8	11.9	−1.3	23.1	8	−1.7	18	58	14	+5	9	11	159
Ranfurly 03/1980	427	17.5	4.9	11.2	..	24.0	8	−2.4	18	36	12	..	14	10	142
Invermay, Taieri 03/1980	30	16.7	7.1	11.9	..	24.0	20	2.2	24	81	13	..	22	2	142
Ophir 03/1980	305	19.7	4.9	12.3	−0.8	26.8	8	−3.0	18	24	7	−24	10	10	..
Campbell Island 02/1980	15	12.8	8.2	10.5	+1.3	15.9	14	2.0	12	102	24	−12	15	23	89
Campbell Island 03/1980	15	11.8	7.3	9.6	+1.1	13.8	9	−0.6	26	104	25	−26	22	15	69
Nandi Airport, Fiji 03/1980	15	31.6	23.0	27.3	+0.5	34.9	1	20.0	25	184	19	..	24	16	184
Totokoitu, Rarotonga 03/1980	9	29.8	23.6	26.7	..	31.4	25	19.5	31	524	21	..	190	28	..

The "normal" refers to the present site of the instruments. Standard period for normals is 1941–1970. No normals are available for stations with only short records.

*Indicates that the sunshine recorder is not located at the station but is in the near vicinity.

A rainday is a day with rainfall equal to or greater than 0.1 mm.

Where the extremes of temperature and rainfall have occurred more than once during the month, the date of the first occurrence is given.

WEATHER NOTES FOR APRIL 1980

General—Throughout most of New Zealand April was slightly wetter and cooler than usual, and the month was notable for the absence of strong winds. For example, the mean daily wind run of 245 km at Kelburn, Wellington, was the lowest in April since 1928 when recordings began. Mean monthly pressures were above normal over the whole of New Zealand for the first time since November 1979.

The majority of farmers throughout the country reported that grass growth had been very good during the month. Stock in general was in good condition, apart from lambs which need more sunshine and drier pastures.

Rainfall—The only areas with below normal rainfall for the month were Northland, Auckland, parts of Bay of Plenty, Taranaki, the West Coast, and Southland. At Invercargill Airport only 20 mm were recorded for the month, the lowest April figure since the station began in 1941, the previous low being 30 mm in 1978. Whangarei was also unusually dry, recording its lowest April total since 1958.

The wettest areas were Manawatu, Wellington, Hawke's Bay, Wairarapa, Marlborough, and parts of Otago and Canterbury. At Timaru the highest April total since the station began in 1897 was measured and also the highest 1 day fall (72 mm) since 1957. Some stations in Marlborough, Canterbury and Otago recorded rainfall above average by more than 200 percent.

A depression moving slowly across the North Island brought heavy rain to many eastern districts from the 9th to the 11th. The most affected area was that southwest of Martinborough, in the Wairarapa. Five families were evacuated from the Pukio–Pahautea area when the Ruamahanga River threatened to broach its banks, and Martinborough township was almost isolated by floodwaters resulting from widespread heavy falls in the Ruamahunga catchment. At Ngaumu Forest, for example, 153 mm were recorded between 7 a.m. on the 9th and 10 a.m. on the 11th.

Rainfall resulting from the depression also caused flooding in the Blenheim region and families were evacuated from areas near the stopbanks of the Taylor River. Surface water and land slips closed the railway line south of Blenheim and many roads in the area. Between 6 a.m. on the 9th and 5 p.m. on the 11th, 85 mm of rain were recorded, the highest 2-day fall in April since 1957 (96 mm)

Temperatures—Temperatures were above normal by 0.5°C in Nelson, Marlborough, the West Coast, parts of Canterbury and Otago. Throughout the rest of New Zealand they were below average by 0.5°C to 1.0°C. The only generally warm spell during the month was from the 24th to the 29th. Temperatures were very cold from the 2nd to the 5th when some east coast daily maximum temperatures were 5.0°C less than usual.

Sunshine—Sunshine hours were above average in Auckland, parts of Bay of Plenty, South Canterbury, Otago, and Southland by over 10 hours. In other districts there was a deficit of between 5 and 50 hours. Wellington experienced its second lowest April sunshine total since 1938.

WEATHER SEQUENCE FOR APRIL 1980

The complex trough of low pressure that had been moving across New Zealand at the end of March was followed by a depression that had formed in the north Tasman Sea early on the 1st. Parts of Waikato, Bay of Plenty, Taranaki, Manawatu, and Wellington recorded 24-hour falls in excess of 30 mm. Most of the North Island and the northern half of the South Island reported moderate falls of rain. By the 2nd an anticyclone had become established in the Tasman Sea and was proceeding to the east. A strong southerly airflow ahead of the anticyclone brought isolated showers to some areas, and cooler temperatures to most of New Zealand. On the 3rd a depression formed off the Australian coast and began to move eastwards. The cold front associated with the depression was lying over the west coast of the North Island by the morning of the 6th, and many districts had moderate rain. In the Nelson area between 20 and 30 mm were recorded in the 24 hours up to 9 a.m. on the 7th.

The depression did not move to the east of New Zealand until the morning of the 11th, when a ridge of high pressure extended onto the South Island from an anticyclone in the Tasman Sea. The only areas that did not receive rain were parts of Otago and Southland. In parts of Bay of Plenty, Poverty Bay, Hawke's Bay, Wairarapa, and Marlborough, some stations recorded 24-hour falls of more than 50 mm, the highest being above 80 mm in Marlborough. The ridge of high pressure covered the whole of New Zealand by the morning of the 12th, and the anticyclone had moved onto the country by the morning of the 13th. Apart from some isolated showers in both Islands, fine weather prevailed throughout New Zealand from the 13th to the 23rd when the anticyclone began to move eastwards.

On the 24th a cold front associated with a depression moving to the south of the country was approaching the South Island. By the early morning of the 25th it had moved onto Fiordland and the West Coast bringing heavy rain to these areas. More than 220 mm were recorded at Milford Sound in the 24 hours up to 9 a.m. on the 25th, and in excess of 150 mm in some parts of the West Coast during the same period. The rain became more widespread as the front moved northwards across the country. Early on the 26th a depression formed on the front in the Tasman Sea, and this later began to move southeast towards New Zealand. Temperatures were warmer than usual along the east coasts of both Islands from the 23rd to the 26th.

By the 27th the cold front ahead of the depression in the Tasman Sea had moved onto New Zealand bringing heavy rain to areas West of the main ranges, and moderate rain elsewhere. The heaviest rain was recorded in parts of Bay of Plenty, Taranaki, Nelson, Marlborough, and Westland, these areas having 24-hour falls in excess of 40 mm. As the depression moved across the country on the 28th and 29th heavy rain was also reported in Canterbury and Otago, the only areas which did not record rain were Hawke's Bay and parts of Wairarapa. By the morning of the 30th the depression had moved to the east of New Zealand, and a ridge of high pressure from an anticyclone in the Tasman Sea was approaching the country.

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