

## ANNUAL RAINFALL, 1933—continued.

Station.	Observer.	Altitude.	Total Fall.		Number of Days.	Deviation from Normal.		Greatest Fall in Twenty-four Hours.	
			ft.	in.		Total Fall.	Number of Days.	Amount.	Date.
Brothers Lighthouse ..	J. H. C. Conway (Principal Keeper)	235	18-68	96	-11	+ 1	0-98	31st May.	
Motueka ..	G. S. Huffam ..	20	34-23	111	-14	-22	3-07	30th July.	
Manaroa ..	G. L. Rogers ..	9	50-34	101	-10	-13	3-20	20th September.	
Ynecya Bay ..	Captain E. J. Toswill ..	22	66-91	76	- 9	-31	5-37	30th January.	
"Harakeke," Central Moutere	R. Teece ..	45	23-87	83	-15	-18	2-29	30th July.	
Mapua ..	Arnold Wells ..	50	27-50	99	- 8	-19	2-51	20th January.	
Appleby ..	W. J. Biggar ..	57	28-62	97	..	..	2-54	30th July.	
Atawhai, Nelson ..	Frank Coleman ..	90	31-69	106	..	..	2-55	31st January.	
Nelson ..	O. B. Pemberton ..	34	32-39	98	- 6	-21	3-50	31st January.	
Maitai Valley ..	Mrs. T. Elliott ..	..	63-10	120	..	..	8-16	31st January.	
Opouri Valley, Flat Creek ..	W. A. MacLaine ..	200	91-03	116	+ 9	- 6	10-46	30th January.	
Picton ..	G. M. Blizzard ..	10	47-76	118	- 4	- 1	2-10	24th April.	
Ocean Bay ..	W. J. Crump ..	25	45-51	122	-10	-16	2-92	28th May.	
Stanley Brook ..	Evan Forsyth ..	600	33-26	126	-13	- 8	2-50	30th July.	
Marshlands ..	H. J. Stace ..	6	19-54	92	-11	- 5	1-03	20th September.	
Spring Creek ..	T. C. Pritchard ..	20	19-60	91	-11	-14	1-30	31st May.	
"Sevenoaks," Renwicktown	H. O. Goulter ..	..	18-85	50	- 9	-25	1-41	31st January.	
Blenheim ..	P. J. Galliers ..	60	17-02	91	..	..	0-89	31st May.	
Erina ..	R. Barron ..	406	25-34	87	-12	- 8	2-49	31st January.	
Golden Downs ..	S. W. Trask ..	800	40-51	87	..	..	2-02	30th July.	
Hartley Hills ..	M. P. Murray ..	800	30-17	76	- 8	- 6	2-25	31st January.	
Waihopai ..	J. Stanwell ..	820	25-82	107	..	..	1-53	31st January.	
Seddon ..	J. A. Woolley ..	50	14-05	88	-11	- 6	1-02	31st May.	
Avondale Station ..	C. J. Teschemaker ..	910	24-22	85	- 7	- 9	1-25	31st January.	
Cape Campbell ..	E. H. Graham (Principal Keeper)	155	14-94	66	-10	- 8	2-24	28th May.	
Ward ..	A. Thomson ..	61	18-31	81	-12	- 7	1-56	31st May.	
Duntroon, Jordan ..	W. L. Oswald ..	1,200	20-25	64	-11	-14	1-14	14th February, 1st June.	
Upcot Station, Awatere ..	W. B. Stevenson ..	1,780	22-93	104	..	..	0-98	31st May.	
Ellerton, Kekerangu ..	W. Masefield ..	200	14-50	88	-15	- 6	1-20	18th December.	
Rainbow Rise ..	S. J. McKenzie ..	3,000	69-59	140	..	..	3-99	31st January.	
Hapuku ..	Miss A. Harle ..	480	34-92	115	-23	-12	2-28	18th December.	
Moundsdale, Kaikoura ..	E. Weavers ..	600	22-68	91	-16	-19	1-59	28th December.	
Kaikoura West ..	E. W. Flower ..	12	16-26	74	-25	-13	1-17	18th December.	
The Doone, Waiau ..	T. F. Northcote ..	1,200	29-76	88	..	..	2-12	28th December.	
"Emscote," Stag and Spey	H. Robertson ..	770	25-65	102	-18	-20	1-64	28th December.	
Hanmer Springs ..	H. Roche ..	1,220	32-21	121	-14	-10	1-60	10th August.	
Keinton Combe ..	R. A. Chaffey ..	951	26-95	91	-13	-11	1-21	9th July.	
Highfield, Waiau ..	F. S. Northcote ..	450	22-28	84	-12	-19	0-87	28th December.	
Waiau ..	S. Smith (Postmaster) ..	616	23-48	77	- 6	-22	1-31	6th November.	
Hawkswood ..	J. Collier ..	400	26-79	107	..	..	1-60	28th December.	
Riverside Farm, Culverden	E. Roberts ..	750	20-18	102	- 8	- 8	1-28	21st January.	
Culverden ..	L. Mins (Postmaster) ..	567	18-38	101	- 8	+ 1	1-07	21st January.	
Balmoral Plantation ..	J. E. Fletcher ..	743	18-65	101	..	..	0-99	17th December.	
Balmoral No. 1 ..	T. Weir ..	743	19-22	112	- 7	+10	1-06	21st April.	
Gore Bay ..	A. Wilkinson ..	15	24-23	92	- 8	- 7	1-70	28th December.	
Arthur's Pass ..	E. J. Murphy (Postmaster)	3,109	181-09	154	+19	+ 7	6-90	31st January.	
"Glenallen," Waikari ..	H. M. Carr ..	733	20-05	106	-11	-13	0-85	17th, 28th December.	
Weka Pass ..	F. C. Archer ..	300	17-59	82	- 8	- 2	0-86	28th December.	
Bealey ..	R. L. Cochrane ..	2,000	71-51	72	+ 9	-47	4-42	30th April.	
Mount White Station, Cass	J. G. Thompson ..	2,000	35-44	..	- 6	..	..	..	
Waipara ..	J. G. Whyte ..	250	17-47	69	- 7	+12	0-76	28th December.	
Craigieburn ..	M. K. McAlpine ..	1,840	34-82	..	- 3	..	2-28	14th July.	
Flock Hill ..	J. Milliken ..	2,000	51-48	111	- 1	- 2	3-80	14th July.	
Amberley ..	V. J. Rhodes ..	135	18-35	75	- 9	-31	1-27	5th May.	
Glenthorne ..	K. C. Murchison ..	2,000	62-77	125	+ 3	+32	3-57	13th July.	
Harper River ..	H. Mordey and R. Dey	1,750	46-84	120	- 3	..	2-60	14th July.	
Mount Torlesse ..	P. H. Johnstone ..	1,200	32-61	118	- 8	+14	2-01	17th December.	
Oxford ..	L. Watson ..	850	26-51	95	-13	-10	1-36	17th December.	
Simois Creek ..	R. Dey ..	1,800	33-00	..	- 5	..	..	..	
Double Hill ..	H. Ensor ..	2,500	70-31	92	+21	+ 2	4-27	14th July.	
Lake Coleridge ..	H. E. M. Hart ..	1,220	31-07	123	0	-21	2-35	14th July.	
Lake Coleridge Homestead	J. Murchison ..	1,685	32-66	117	- 4	+11	2-18	17th December.	
Point Switching Station ..	W. L. Sedcole ..	1,540	39-03	123	- 8	-20	1-82	14th July.	
Coalgate ..	Mrs. A. M. Wilson ..	775	27-08	105	- 7	-10	1-41	17th December.	
Darfield ..	Miss R. G. Robinson ..	500	23-28	89	- 7	- 3	1-16	17th December.	
Paparua Prison ..	W. T. Leggett ..	120	17-00	55	- 5	- 5	0-78	5th November.	
Hororata ..	E. J. Jekyll ..	1,031	25-87	108	- 3	- 7	1-42	5th November.	
Mount Possession ..	S. A. Chaffey ..	2,000	29-68	..	..	..	3-03	15th July.	
Islington ..	G. T. Slade ..	109	19-39	144	- 6	+39	0-86	24th December.	
Rhodes Convalescent Home	The Matron ..	200	21-21	86	- 5	-24	1-07	6th June.	
Christchurch ..	H. F. Skey ..	25	18-85	109	- 7	-16	1-00	6th November.	
Lincoln ..	E. W. Hullett ..	42	17-24	100	- 8	-21	0-97	17th December.	
"Rudstone," Methven ..	Jas. Carr ..	1,200	34-02	125	- 4	- 4	2-16	5th November.	
Evandale, Mount Somers ..	J. Grieve ..	1,300	28-94	95	- 4	- 5	1-95	5th November.	
Methven ..	N. Dewe (Postmaster) ..	1,031	38-61	82	+ 1	-16	2-03	5th November.	
Governor's Bay ..	W. A. Carpenter ..	200	22-40	53	-11	-28	2-20	8th May.	