

New Zealand Rainfall for August, 1920—continued.

Station.	Total Fall, Points (100 to Inch).	Days with Rain.
SOUTH ISLAND—continued.		
(G.) EAST ASPECT—KAIKOURA TO CAPE SAUNDERS—continued.		
Totara Station, near Oamaru .. .. .	372	12
Duntroon .. .. .	261	10
Pukeuri, Oamaru .. .. .	319	14
Oamaru .. .. .	290	10
Steward Settlement, Oamaru .. .. .	376	8
Trotter's Creek, Hillgrove .. .. .	272	12
Kauroo Hill, Maheno .. .. .	308	10
Bushey Park, Palmerston South .. .. .	231	14
Opoho, Dunedin (383 ft.) .. .. .	..	..
Burnside, Dunedin .. .. .	325	22
Fish-hatchery, Portobello .. .. .	394	18
Whare Flat .. .. .	790	13
Mosgiel .. .. .	349	11

(H.) SOUTH ASPECT—CAPE SAUNDERS TO PUYSEGUR POINT.

Paerau .. .. .	196	10
Great Moss Swamp, via Patearoa .. .. .	80	11
Eweburn Nursery, Ranfurly .. .. .	116	8
Waipiata .. .. .	92	6
Naseby .. .. .	247	5
Robertson, Middlemarch .. .. .	320	11
Tarras .. .. .	..	..
Mount Pisa Station, Cromwell .. .. .	42	2
Maungawera, Otago .. .. .	171	7
Luggate, Cromwell .. .. .	126	7
Manorburn Dam .. .. .	86	14
Queenstown .. .. .	11	3
Moa Creek .. .. .	43	4
Little Valley .. .. .	..	..
St. Bathans .. .. .	300	11
Blackstone Hill .. .. .	291	7
Clyde .. .. .	53	5
Earnsclough .. .. .	43	7
Teviot River .. .. .	..	..
Roxburgh .. .. .	109	6
Sunnyvale Orchard, Island Block .. .. .	..	..
Balclutha .. .. .	193	13
Garston .. .. .	..	..
Fairlight Station, Nokomai .. .. .	..	..
Glenfalloch Station, Nokomai .. .. .	189	8
Wendonside .. .. .	208	13
Wendon .. .. .	189	13
Lawrence .. .. .	171	12
Owaka .. .. .	225	6
Tapanui Nursery .. .. .	422	17
Waikawa Valley .. .. .	326	14
Wharuarimu .. .. .	507	20
Uplands, Waimahaka .. .. .	313	15
Roslin Estate, Woodlands .. .. .	183	15
Dipton .. .. .	..	..
Bluff .. .. .	..	..

New Zealand Rainfall for August, 1920—continued.

Station.	Total Fall, Points (100 to Inch).	Days with Rain.
SOUTH ISLAND—continued.		
(H.) SOUTH ASPECT—CAPE SAUNDERS TO PUYSEGUR POINT—continued.		
Radio-Awarua .. .. .	266	16
Nightcaps .. .. .	263	11
Otautau .. .. .	260	13
Creighton .. .. .	248	7
Manapouri .. .. .	329	6

(I.) ISLANDS.

Centre Island .. .. .	180	14
Stewart Island .. .. .	329	20
Half-moon Bay, Stewart Island .. .. .	377	22
Niue Island .. .. .	..	..
Avarua, Rarotonga, Cook Islands .. .. .	950	12
Aitutaki Island, Cook Islands .. .. .	..	..
Mangaia, Cook Islands .. .. .	..	..
Chatham Island .. .. .	..	..

LATE RETURNS.

Rangitahi, July, 1920 .. .. .	216	10
Kawhia, July, 1920 .. .. .	234	18
Hamilton, April, 1920 .. .. .	526	14
.. May, 1920 .. .. .	550	22
.. June, 1920 .. .. .	891	19
.. July, 1920 .. .. .	180	13
Wahine, June, 1920 .. .. .	302	7
.. July, 1920 .. .. .	246	5
Stanley Brook, July, 1920 .. .. .	326	8
East Cape, July, 1920 .. .. .	448	14
Napier, Jan., 1920 .. .. .	215	11
.. Feb., 1920 .. .. .	173	11
.. Mar., 1920 .. .. .	211	5
.. April, 1920 .. .. .	179	10
.. May, 1920 .. .. .	167	10
.. June, 1920 .. .. .	354	16
.. July, 1920 .. .. .	309	5
Tawataia, July, 1920 .. .. .	221	8
The Brothers, July, 1920 .. .. .	184	8
Gore Bay, July, 1920 .. .. .	99	3
Little River, June, 1920 .. .. .	172	7
Darfield, July, 1920 .. .. .	110	5
Lake Coleridge, July, 1920 .. .. .	136	5
Bushey Park, July, 1920 .. .. .	110	7
Whare Flat, July, 1920 .. .. .	179	7
Glenfalloch Station, June, 1920 .. .. .	79	3
.. July, 1920 .. .. .	218	9
Manapouri, July, 1920 .. .. .	111	6
Avarua, Raratonga, July, 1920 .. .. .	312	13
Aitutaki, July, 1920 .. .. .	385	17
Chatham Islands, May, 1920 .. .. .	832	26
.. June, 1920 .. .. .	469	10
.. July, 1920 .. .. .	421	18
.. April, 1920 .. .. .	210	14

Notice to Mariners.—No. 60 of 1920.

Marine Department,  
Wellington, N.Z., 12th October, 1920.

THE following Notices to Mariners, which have been received from the Department of Trade and Customs, Melbourne, are published for general information.

ROBERT DUNCAN, Secretary.

AUSTRALIA.

EAST COAST, INNER BARRIER ROUTE.—ROCKY ISLET LIGHT.—INTENDED ALTERATION IN CHARACTERISTICS.—SIGNAL-STATION TO BE DISCONTINUED.

MARINERS and others are hereby notified that the fixed white light on Rocky Islet will be replaced by a flashing white light (U), and, further, that the signal-station will be discontinued, on or about 18th October, 1920.

Position.—On western slope of Rocky Islet. Lat. 15° 37' S., long. 145° 20' E., on Chart No. 2923.

Details.—The fixed white light will be replaced by a new light having the undermentioned characteristics:—

Character.—Flashing white light showing one flash every second, thus—flash  $\frac{1}{4}$  sec., eclipse  $\frac{3}{4}$  sec.

Visibility.—15 miles.

Power.—2,500 candles.

Remarks.—The light will be unwatched. The signal-station will be discontinued, and the lightkeeper withdrawn. The other details of the light will remain unchanged.

Note.—No further notice will be given.

PORT DOUGLAS LIGHT.—INTENDED ALTERATION IN CHARACTERISTICS.—RED SECTOR TO BE INSERTED.

Mariners and others are hereby notified that the fixed white light on Island Point, Port Douglas, will be replaced by a group flashing light with white and red sectors (U) on or about 1st October, 1920.

Position.—On Island Point. Lat. 16° 28 $\frac{1}{2}$ ' S., long. 145° 28' E., on Chart No. 2924.

Details.—The fixed white light will be replaced by a new light having the undermentioned characteristics:—

Character.—Group flashing light, with white and red sectors, showing four flashes in quick succession every twenty seconds, thus—flash  $\frac{1}{4}$  sec., eclipse 1 sec.; flash  $\frac{1}{4}$  sec., eclipse 1 sec.; flash  $\frac{1}{4}$  sec., eclipse 1 sec.; flash  $\frac{1}{4}$  sec., eclipse 15 secs.

Sectors.—White from 151° (S. 35° E. mag.) through south and west to 287° (N. 79° W. mag.); red thence to 331° (N. 35° W. mag.); obscured elsewhere.

Visibility.—White, 10 miles; red, 6 miles.

Power.—White, 1,000 candles; red, 400 candles.

Remarks.—The light will be unwatched. The light-keeper will be withdrawn. The other details of the light will remain unchanged.

Note.—No further notice will be given.

NORTHUMBERLAND ISLANDS.—HIGH PEAK ISLAND.—INTENDED NEW LIGHT.

Mariners and others are hereby notified that it is proposed to establish a flashing white light (U) on High Peak Island, on or about 31st December, 1920.