

New Zealand Rainfall for November, 1916—continued.

Station.	Total Fall, Points (100 to Inch.)	Days with Rain.
SOUTH ISLAND—continued.		
(G.) EAST ASPECT—KAIKOURA TO CAPE SAUNDERS—continued.		
Livingstone .. .. .	305	15
Armore, Windsor .. .. .	..	..
Totara Station, near Oamaru .. .. .	..	..
Dunroon .. .. .	152	11
Pukenri, Oamaru .. .. .	114	11
Oamaru .. .. .	186	10
Steward Settlement, Oamaru .. .. .	93	10
Trotter's Creek, Hillgrove .. .. .	226	14
Kauroo Hill, Maheno .. .. .	234	12
Balruddery, Kauroo Hill, Maheno .. .. .	254	14
Balshy Park, Palmerston South .. .. .	224	12
Opoho, Dunedin (383 ft.) .. .. .	..	..
Burnside, Dunedin .. .. .	242	11
Fish-hatchery, Portobello .. .. .	198	13
Whare Flat .. .. .	353	14
Mosgiel .. .. .	193	10
(H.) SOUTH ASPECT—CAPE SAUNDERS TO PUYSEGUR POINT.		
Paerau .. .. .	418	13
Great Moss Swamp, via Patearoa .. .. .	333	15
Eweburn Nursery, Ranfurly .. .. .	208	16
Waipiata .. .. .	145	15
Naseby .. .. .	278	14
Kokonga .. .. .	210	9
Gladbrook Station, Middlemarch .. .. .	381	14
Mount Pisa Station, Cromwell .. .. .	174	10
Maungawera, Otago .. .. .	300	10
Luggate, Cromwell .. .. .	186	13
Manorburn Dam .. .. .	391	9
Queenstown .. .. .	285	11
"Craigroy," Arrowtown .. .. .	..	..
Poolburn, Central Otago .. .. .	137	10
Moa Creek .. .. .	252	9
Little Valley .. .. .	251	8
St. Bathans .. .. .	240	14
Blackstone Hill .. .. .	387	13
Clyde .. .. .	371	9

New Zealand Rainfall for November, 1916—continued.

Station.	Total Fall, Points (100 to Inch.)	Days with Rain.
SOUTH ISLAND—continued.		
(H.) SOUTH ASPECT—CAPE SAUNDERS TO PUYSEGUR POINT—continued.		
Roxburgh .. .. .	401	7
"Fruitvale," Ettrick .. .. .	528	11
Sunnyvale Orchard, Island Block .. .. .	388	14
Balclutha .. .. .	204	10
Owaka .. .. .	280	10
Tapanni Nursery .. .. .	318	17
Waikawa Valley .. .. .	313	12
Wharuarimu .. .. .	290	17
Uplands, Waimahaka .. .. .	324	11
Roslin Estate, Woodlands .. .. .	358	17
Wyndham South .. .. .	340	14
Dipton .. .. .	450	15
Bluff .. .. .	..	..
Nightcaps .. .. .	506	15
Rannock, Orawia .. .. .	..	..
Otautau .. .. .	484	17
Riverton .. .. .	..	..
Manapouri .. .. .	471	10
(I.) ISLANDS.		
Centre Island .. .. .	488	16
Stewart Island .. .. .	563	17
Horse-shoe Bay, Stewart Island .. .. .	574	17
Niue Island .. .. .	..	..
Avarua, Rarotonga, Cook Islands .. .. .	..	..
Aitutaki Island, Cook Islands .. .. .	1011	15
Mangaia, Cook Islands .. .. .	1180	17
Chatham Island .. .. .	..	..
LATE RETURNS.		
Dannevirke, October, 1916 .. .. .	353	16
Maryburn Station, September, 1916 .. .. .	138	4
October, 1916 .. .. .	31	5
Roxburgh, September, 1916 .. .. .	125	8
October, 1916 .. .. .	155	4
Little Valley, October, 1916 .. .. .	47	7

Notice to Mariners.—No. 1 of 1917.

ERRATA.—NEW ZEALAND NAUTICAL ALMANAC, 1917.

Marine Department,  
Wellington, N.Z., 3rd January, 1917.

ON page 291 of New Zealand Nautical Almanac for 1917, fourteenth line from the bottom, should read "The flag H," in lieu of "The flag 4."

On page 403, ninth line from the bottom, Auckland Harbour, Magnetic Declination, should read 15° 13' E., in lieu of 14° 13' E.

GEORGE ALLPORT,  
Secretary.

Notice to Mariners.—No. 2 of 1917.

WANGANUI HARBOUR LIGHT.—CHANGE IN CHARACTER.

Marine Department,  
Wellington, N.Z., 3rd January, 1917.

THE Wanganui Harbour Board have notified that on and after Thursday, 25th January, the fixed white light which is exhibited from the flagstaff on North Head will be changed to a white flashing Aga acetone acetylene light of 300 c.p., flash 0.6 second, followed by an eclipse of 5.4 seconds.

Height of light, 65 ft., and it should be visible in clear weather for a distance of about ten miles.

Charts, &c., affected.—Admiralty Charts Nos. 1212 and 2054; New Zealand Pilot, eighth edition, 1908, Chapter v, page 156; New Zealand Nautical Almanac, 1917, pages 241 and 292, and plan facing page 242.

GEORGE ALLPORT,  
Secretary.

Notice to Mariners.—No. 3 of 1917.

Marine Department,  
Wellington, N.Z., 9th January, 1917.

THE following Notices to Mariners, which have been received from the Department of Ports and Harbours, Melbourne; the Department of Trade and Customs, Mel-

bourne; and the Minister of State for Communications, Tokyo, are published for general information.

GEORGE ALLPORT,  
Secretary.

AUSTRALIA.

VICTORIA.—ALTERATION TO LIGHT, BREAKWATER PIER, WARRNAMBOOL.

REFERRING to General Notice to Mariners dated 1st August, 1907, page 52, mariners and others are hereby notified that on or about 15th December, 1916, the present fixed red light on the end of the Breakwater will be replaced by a single-flashing light exhibited from a post. This light will show green to seaward and red in line with the Breakwater when the light will bear W.S.W. as at present.

EAST COAST.—INNER BARRIER ROUTE.—AR (R) AND PEA (P) REEFS.—BEACONS RE-ESTABLISHED.

Mariners and others are hereby notified that the beacons on Ar (r) and Pea (p) Reefs, which were recently destroyed, are now re-established.

(a.) Position.—On the northern side of Ar (r) Reef. Lat. 14° 32½' south, long. 144° 55' east. Description.—A red triangular beacon.

(b.) Position.—On the eastern end of Pea (p) Reef. Lat. 13° 32½' south, long. 143° 39½' east. Description.—As in (a).

Charts affected.—(a.) Admiralty Chart No. 3088, Howick Island anchorages; Admiralty Chart No. 2922, Turtle Group to Claremont Point; Admiralty Chart No. 2764, Coral Sea and Great Barrier Reefs (sheet 2). (b.) Admiralty Chart No. 3762, Hay Island to Bow Reef; Admiralty Chart No. 2921, Claremont Point to Cape Direction; Admiralty Chart No. 2764, Coral Sea and Great Barrier Reefs (sheet 2).

Publications affected.—Australia Directory, Vol. II, 1907, pp. 366 and 410; Sailing Directions and other Information for the Ports and Harbours of Queensland.

JAPAN.

SHIMABARA GULF, KYUSHU.

Notice is hereby given that the newly established Yushima Lighthouse on Yushima, Yushima Seto, Shimabara Gulf, Kyushu, will be exhibited as follows since the 1st of December, 1916:—