

December 2025

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An unsettled close to 2025

| | |
|---------------|---|
| Temperature | Temperatures were well above average (>1.20°C above average) for Northland, Auckland, much of the Coromandel, the east coast of the North Island, and western Tasman. Above average temperatures (0.51-1.20°C above average) were recorded elsewhere in the North Island, as well as in parts of Canterbury and Marlborough. Below average temperatures (0.51-1.20°C below average) occurred in much of Fiordland and interior Otago, with near normal temperatures ($\pm 0.50^{\circ}\text{C}$) elsewhere. |
| Rainfall | Rainfall was well above normal (>149% of normal) or above normal (120-149% of normal) for coastal Otago, Fiordland, most of the Canterbury low country, Marlborough south of Blenheim, South Taranaki, the Wellington region, most of Hawke's Bay, and Gisborne. Rainfall was below normal (50-79% of normal) or well below normal (<50% of normal) for Nelson-Tasman, parts of southern Southland, much of the West Coast, the Bay of Plenty, eastern Waikato, and Northland. Elsewhere, near normal rainfall (80-119% of normal) fell in December. |
| Soil Moisture | At the end of December, soil moisture levels were lower than normal in upper Northland, lower Manawatū, along the Kāpiti Coast, about Nelson, in Southland about Invercargill, about North Otago and South Canterbury, and parts of the high country of Canterbury. Soil moisture levels were higher than normal along the west coast of the North Island from Auckland to Taranaki, about Taupō, along the east coast of the North Island, western Tasman, the upper West Coast, most of Fiordland, Balclutha, and portions of coastal Canterbury and Marlborough. Near normal soil moisture levels were typical for the remainder of the country. |

Click on the link to jump to the information you require:

[Overview](#)

[Temperature](#)

[Rainfall](#)

[December 2025 climate in the six main centres](#)

[Highlights and extreme events](#)

Overview

December was an unsettled month, with alternating hot and cool spells, and a wet end to the month for many areas. Overall, lower than average air pressure dominated over Aotearoa New Zealand in December. Additionally, after a record setting November, December was much closer to average temperature-wise, although with an overall warm lean. La Niña conditions continued through the month of December and the impacts of a sudden stratospheric warming event from early spring continued to wane. Sea surface temperatures (SSTs) surrounding New Zealand were mostly above average, however the SST anomalies eased in the latter half of the month in response to additional clouds and increased windiness across New Zealand's waters. At the end of December, Marine Heatwave (MHW) conditions¹ were present about the west coast of

¹ Defined as five or more consecutive days with SSTs above the 90th percentile for the time of year.

Northland, the Auckland, Waikato, and Bay of Plenty areas in the North Island and near the coasts of Southland, Stewart Island, and most of the east coast of the South Island.

The nationwide average temperature in December 2025 was 16.4°C. This is 0.6°C above the 1991-2020 December average, making it New Zealand's 27th-warmest December on record. The month featured brief unsettled periods with cooler weather, with a long stretch of warm and dry weather for the early to middle of the month across the North Island. Meanwhile, the South Island remained somewhat cooler and unsettled overall. The last half of the month featured alternating cooler and warmer air masses, followed by a slow moving northerly low pressure system that brought warm moisture laden air to the North Island and the upper South Island in the final days of December.

While December featured lower than average air pressures overall, the month was filled with alternating periods of high pressure and low pressure, which led to an uneven distribution of rainfall across the country. Rainfall was well above normal (>149% of normal) for coastal Otago, Fiordland, most of the Canterbury low country south of Christchurch, the east of the Wellington region, and the east of Hawke's Bay and Gisborne, with above normal (120-149% of normal) rainfall in Marlborough south of Blenheim, Canterbury about Kaikōura, South Taranaki, and the rest of the Wellington region. The rainfall for the east of the North Island was notable since these areas were very dry until the final days of December. Rainfall was below normal (50-79% of normal) for Nelson-Tasman, parts of southern Southland, much of the West Coast, the Bay of Plenty, eastern Waikato, and most of Northland, with the Far North recording well below normal (<50% of normal) rainfall. Elsewhere, near normal rainfall (80-119% of normal) fell in December.

Further Highlights:

- The highest temperature was 35.6°C, observed at Kawerau on 7 December. Notably, this was Kawerau's highest temperature since records began there in 1954.
- The lowest temperature was -0.1°C, observed at Pūkaki Airport 22 December.
- The highest 1-day rainfall was 184 mm, recorded at Milford Sound on 7 December.
- The highest wind gust was 170 km/h, observed at Cape Turnagain on 1 December.
- Of the six main centres in December 2025, Tauranga was the warmest and sunniest, Wellington was the wettest, Dunedin was the coolest and least sunny, and Auckland was the driest.
- The sunniest four regions in 2025 were Taranaki (2743 hours), wider Nelson (2672 hours), Marlborough (2644 hours), and Bay of Plenty (2633 hours).

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Temperature: A warm December overall

No location observed record breaking high or low mean air temperatures. However, ten locations observed near-record high mean temperatures. The country's coolest location relative to normal was Clyde, where the mean temperature of 15.0°C was 1.2°C below normal.

Record² or near-record mean air temperatures for December were recorded at:

| Location | Mean air temp. (°C) | Departure from normal (°C) | Year records began | Comments |
|-------------------------------------|---------------------|----------------------------|--------------------|-------------|
| High records or near-records | | | | |
| Pukekohe | 19.3 | 2.0 | 1969 | 2nd-highest |
| Dargaville | 19.6 | 1.7 | 1943 | 3rd-highest |
| Purerua | 19.3 | 1.5 | 1983 | 3rd-highest |
| Whangaparāoa | 19.9 | 1.7 | 1982 | 3rd-highest |
| Cape Reinga | 18.8 | 1.4 | 1951 | 4th-highest |
| Kaitaia | 19.8 | 1.8 | 1948 | 4th-highest |
| Leigh | 20.5 | 3.3 | 1966 | 4th-highest |
| Kawerau | 20.4 | 1.9 | 1954 | 4th-highest |
| Auckland Airport | 19.9 | 1.4 | 1959 | 4th-highest |
| Gisborne | 19.9 | 1.4 | 1905 | 4th-highest |
| Low records or near-records | | | | |
| Waipounamu | 13.4 | -0.6 | 1980 | 3rd-lowest |

Record or near-record mean maximum air temperatures for December were recorded at:

| Location | Mean maximum air temp. (°C) | Departure from normal (°C) | Year records began | Comments |
|-------------------------------------|-----------------------------|----------------------------|--------------------|-------------|
| High records or near-records | | | | |
| Motu | 22.4 | 3.1 | 1990 | Highest |
| Takapau Plains | 22.8 | 2.6 | 1962 | Highest |
| Whakatu | 25.6 | 3.6 | 1982 | Highest |
| Whakatāne | 24.7 | 2.0 | 1974 | 2nd-highest |
| Kawerau | 27.8 | 3.8 | 1954 | 2nd-highest |
| Napier | 25.3 | 2.6 | 1870 | 2nd-highest |
| Hastings | 26.2 | 2.9 | 1930 | 2nd-highest |
| Hicks Bay | 21.9 | 1.5 | 1969 | 3rd-highest |
| Gisborne | 25.9 | 2.1 | 1905 | 3rd-highest |
| Māhia | 21.9 | 1.8 | 1990 | 3rd-highest |
| Tākaka | 24.1 | 2.6 | 1978 | 3rd-highest |
| Cape Reinga | 21.8 | 1.7 | 1951 | 4th-highest |
| Kaikohe | 22.8 | 1.4 | 1973 | 4th-highest |
| Purerua | 23.0 | 1.6 | 1983 | 4th-highest |
| Mokohinau Island | 21.6 | 0.9 | 1994 | 4th-highest |
| Whangaparāoa | 23.6 | 1.8 | 1982 | 4th-highest |
| Te Puke | 23.6 | 1.4 | 1973 | 4th-highest |
| Rotorua | 22.9 | 2.1 | 1964 | 4th-highest |
| Te Kuiti | 24.6 | 2.2 | 1959 | 4th-highest |
| Tūrangi | 22.9 | 1.9 | 1968 | 4th-highest |
| Wairoa | 25.6 | 2.2 | 1964 | 4th-highest |

² The rankings (1st, 2nd, 3rd etc.) in all Tables in this summary are relative to climate data from a group of nearby stations, some of which may no longer be operating. The current climate value is compared against all values from any member of the group, without any regard for homogeneity between one station's record, and another. This approach is used due to the practical limitations of performing homogeneity checks in real-time.

| | | | | |
|-----------------------------|------|------|------|-------------|
| Chatham Island | 20.0 | 2.2 | 1878 | 4th-highest |
| Low records or near-records | | | | |
| Middlemarch | 19.5 | -1.4 | 2000 | 4th-lowest |

Record or near-record mean minimum air temperatures for December were recorded at:

| Location | Mean minimum air temp. (°C) | Departure from normal (°C) | Year records began | Comments |
|------------------------------|-----------------------------|----------------------------|--------------------|-------------|
| High records or near-records | | | | |
| Leigh | 16.6 | 3.7 | 1966 | 3rd-highest |
| Pukekohe | 14.6 | 1.5 | 1969 | 3rd-highest |
| Mokohinau Island | 17.2 | 1.2 | 1994 | 4th-highest |
| Low records or near-records | | | | |
| Waipounamu | 7.5 | -0.9 | 1980 | 2nd-lowest |
| Pukaki Airport | 6.2 | -0.9 | 1972 | 4th-lowest |

Rainfall: Record rain in Gisborne

December 2025 recorded one significant rain event, which led to record or near-record breaking rain in the east of the North Island. An area of low pressure, tropical in origin, moved across the North Island from 29- 31 December, which led to a very wet end to the month for Gisborne and northern Hawke's Bay. These areas were trending dry before low pressure produced a record December daily rainfall total of 106 mm in Gisborne, and a near-record 134 mm at Hicks Bay on 29 December. Both Castlepoint and Māhia recorded their 4th-wettest December on record, with rainfall mostly attributed to the one event.

Record or near-record December rainfall totals were recorded at:

| Location | Rainfall total (mm) | Percentage of normal | Year records began | Comments |
|------------------------------|---------------------|----------------------|--------------------|-------------|
| High records or near-records | | | | |
| Castlepoint | 179 | 309 | 1902 | 4th-highest |
| Māhia | 134 | 196 | 1990 | 4th-highest |
| Low records or near-records | | | | |
| None observed | | | | |

December climate in the six main centres

Temperatures for the six main centres were above average or on the warm side of average, a change from the record-breaking November 2025. Rainfall was below normal for Auckland, Tauranga, and Hamilton, near normal for Dunedin, with Wellington and Christchurch registering above normal rain in December. Of the six main centres, Tauranga was the warmest and sunniest, Wellington was the wettest, Dunedin was the coolest and least sunny, and Auckland was the driest.

December 2025 main centre climate statistics:

| Temperature | | | |
|---------------------------|---------------------|----------------------------------|---------------|
| Location | Mean temp. (°C) | Departure from normal (°C) | Comments |
| Auckland ^a | 19.3 | +0.9 | Above average |
| Tauranga ^b | 19.4 | +1.1 | Above average |
| Hamilton ^c | 18.1 | +1.0 | Above average |
| Wellington ^d | 16.0 | +0.4 | Near average |
| Christchurch ^e | 16.3 | +0.6 | Above average |
| Dunedin ^f | 14.5 | +0.5 | Near average |
| Rainfall | | | |
| Location | Rainfall (mm) | % of normal | Comments |
| Auckland ^a | 54 | 75 | Below normal |
| Tauranga ^b | 72 | 69 | Below normal |
| Hamilton ^c | 77 | 77 | Below normal |
| Wellington ^d | 112 | 123 | Above normal |
| Christchurch ^e | 70 | 147 | Above normal |
| Dunedin ^f | 80 | 113 | Near normal |
| Sunshine | | | |
| Location | Sunshine (hours) | | |
| Auckland ^a | 263 | | |
| Tauranga ^b | 269 | | |
| Hamilton ^g | 193 ³ | | |
| Wellington ^d | 236 | | |
| Christchurch ^e | 241 | | |
| Dunedin ^f | 181 | | |

^a Māngere ^b Tauranga Airport ^c Hamilton Airport ^d Kelburn ^e Christchurch Airport ^f Musselburgh ^g Ruakura

³ Missing 12 days of data.

Highlights and extreme events

Temperatures

The highest temperature was 35.6°C, observed at Kawerau on 7 December. Notably, this was Kawerau's highest temperature since records began there in 1954. The lowest temperature was -0.1°C Pūkaki Airport on 22 December.

Nine locations recorded their hottest December days on record, eight of those records were broken between 6-10 December during the hottest stretch of the month in the North Island. Six other locations recorded near-record highs in that same stretch.

On 7 December, Tauranga observed a new record high December temperature of 31.2°C, as did Whitianga with 32.2°C. The latter is notable for being a 2°C higher than its previous December record, and for being higher than its current January record temperature.

Record or near-record daily maximum air temperatures for December were recorded at:

| Location | Extreme maximum (°C) | Date of extreme temperature | Year records began | Comments |
|------------------------------|----------------------|-----------------------------|--------------------|-------------------|
| High records or near-records | | | | |
| Whangaparāoa | 29.0 | 7th | 1982 | Highest |
| Whitianga | 32.2 | 7th | 1962 | Highest |
| Matamata | 30.1 | 8th | 1999 | Highest |
| Tauranga | 31.2 | 7th | 1913 | Highest |
| Whakatāne | 32.5 | 6th | 1975 | Highest |
| Kawerau | 35.6 | 7th | 1954 | Highest |
| Motu | 29.5 | 9th | 1990 | Highest |
| Mt Ruapehu Chateau | 25.7 | 9th | 2000 | Highest |
| Secretary Island | 28.0 | 30th | 1985 | Highest |
| Kaikohe | 28.3 | 7th | 1973 | 2nd-highest |
| Te Puke | 31.9 | 7th | 1973 | 2nd-highest |
| Pukekohe | 29.1 | 9th | 1969 | 2nd-highest |
| Te Kuiti | 30.1 | 10th | 1959 | 2nd-highest |
| Hastings | 33.4 | 23rd | 1930 | 2nd-highest |
| Whakatu | 32.8 | 23rd | 1982 | 2nd-highest |
| Waiouru | 26.6 | 9th | 1962 | 2nd-highest |
| Westport | 26.6 | 29th | 1937 | 2nd-highest |
| Rotorua | 29.6 | 7th | 1964 | Equal 2nd-highest |
| Ōkārito | 24.1 | 30th | 1982 | Equal 2nd-highest |
| Whangārei | 30.2 | 7th | 1967 | 3rd-highest |
| Mokohinau Island | 25.3 | 7th | 1994 | 3rd-highest |
| Tākaka | 30.3 | 5th | 1978 | 3rd-highest |
| Westport | 26.5 | 29th | 1937 | 3rd-highest |
| Haast | 26.3 | 29th | 1949 | 3rd-highest |
| Milford Sound | 26.7 | 30th | 1934 | 3rd-highest |
| Windsor | 30.8 | 5th | 2000 | 3rd-highest |
| Tautuku | 29.1 | 7th | 1976 | 3rd-highest |
| Cape Reinga | 25.0 | 29th | 1951 | Equal 3rd-highest |
| Napier | 33.8 | 8th | 1868 | Equal 3rd-highest |
| Hamilton (Airport) | 29.1 | 8th | 1946 | 4th-highest |

| | | | | |
|-----------------------------|------|-----|------|-------------------|
| Lower Retaruke | 30.0 | 9th | 1966 | 4th-highest |
| Takapau Plains | 28.1 | 8th | 1962 | 4th-highest |
| Wairoa | 33.3 | 8th | 1964 | 4th-highest |
| Oamaru | 31.0 | 5th | 1967 | 4th-highest |
| Waipounamu | 28.7 | 7th | 1980 | 4th-highest |
| Chatham Island | 24.9 | 1st | 1878 | 4th-highest |
| Kaitaia | 27.9 | 7th | 1948 | Equal 4th-highest |
| Taupō | 29.6 | 9th | 1949 | Equal 4th-highest |
| Whatawhata | 28.7 | 9th | 1952 | Equal 4th-highest |
| Taumarunui | 31.1 | 9th | 1947 | Equal 4th-highest |
| Nugget Point | 27.5 | 7th | 1970 | Equal 4th-highest |
| Low records or near-records | | | | |
| None observed | | | | |

Record or near-record daily minimum air temperatures for December were recorded at:

| Location | Extreme minimum (°C) | Date of extreme temperature | Year records began | Comments |
|------------------------------|----------------------|-----------------------------|--------------------|-------------------|
| Low records or near-records | | | | |
| Mokohinau Island | 8.0 | 4th | 1994 | Lowest |
| Lower Retaruke | 0.1 | 10th | 1966 | Lowest |
| Waipounamu | 1.4 | 14th | 1980 | 4th-lowest |
| High records or near-records | | | | |
| Leigh | 20.0 | 3rd | 1966 | Highest |
| Whangaparāoa | 19.9 | 24th | 1982 | Highest |
| Whitianga | 20.7 | 24th | 1971 | Highest |
| Ngawi | 20.6 | 10th | 1972 | Highest |
| Raoul Island | 25.0 | 22nd | 1992 | Highest |
| Cape Reinga | 18.8 | 24th | 1971 | Equal highest |
| Brothers Island | 16.7 | 16th | 1997 | Equal highest |
| Kaikōura | 20.2 | 8th | 1972 | 2nd-highest |
| Dargaville | 20.3 | 24th | 1951 | Equal 2nd-highest |
| Whangārei | 20.7 | 3rd | 1967 | 3rd-highest |
| Hicks Bay | 19.1 | 1st | 1972 | 3rd-highest |
| Haast | 17.3 | 30th | 1949 | 3rd-highest |
| South West Cape | 14.8 | 15th | 1991 | 3rd-highest |
| Mokohinau Island | 19.7 | 24th | 1994 | Equal 3rd-highest |
| Diamond Harbour | 18.5 | 8th | 2004 | 4th-highest |
| Kaitaia | 20.3 | 3rd | 1948 | Equal 4th-highest |
| Kerikeri | 20.0 | 24th | 1952 | Equal 4th-highest |
| Rangiora | 20.0 | 8th | 1972 | Equal 4th-highest |

Rain, flooding, and slips

On 3 December, heavy downpours caused surface flooding at the northbound on-ramp to the Northern Motorway at Northcote in Auckland. Farther south, 43mm fell in one hour at Matamata Aerodrome during a severe thunderstorm.

Record or near-record December extreme 1-day rainfall totals were recorded at:

| Location | Extreme 1-day rainfall (mm) | Date of extreme rainfall | Year records began | Comments |
|------------------|-----------------------------|--------------------------|--------------------|-------------|
| Gisborne Airport | 106 | 29th | 1937 | Highest |
| Castlepoint | 73 | 30th | 1907 | 3rd-highest |
| Hicks Bay | 134 | 29th | 1916 | 3rd-highest |
| Whakatu | 38 | 29th | 1982 | 4th-highest |
| South West Cape | 42 | 7th | 1991 | 4th-highest |

Drought, dryness, and fire

From 8-9 December, a fire in the Tongariro National Park area burned through approximately 322 hectares, with 60 firefighters, 16 fire trucks, and helicopters used to bring it under control. Earlier on 8 December, visitors were warned to leave the Whakapapa area and residents were told to prepare for potential evacuation. SH47 was closed through the area.

On 14 December, a fire was reported in Lismore Forest near Whanganui. By 15 December, the fire had burned through at least 100 hectares. Five helicopters and at least 14 ground crew were deployed to fight the blaze.

On 22 December, low river flows led to water usage restrictions for the Taruheru River and Mangaheia River. All water takes from these rivers for irrigation were directed to stop, and non-essential uses such as garden watering were banned.

Wind

The highest wind gust was 170 km/h, observed at Cape Turnagain on 1 December.

On 3 December, approximately 5000 customers in the Coromandel were without power after strong winds brought down tree debris onto power lines. Farther north, structures were damaged and a tree brought down by strong winds in Mangapai (Northland).

On 5 December, strong northwesterly winds brought down trees onto powerlines in the Wakatipu Basin, resulting in power outages for nearly 2000 customers primarily in the Lake Hayes Estate and Shotover Country areas. Power outages were also reported near Cromwell.

On 15 December, strong crosswinds and severe turbulence forced the diversion of several flights due to land at Queenstown airport.

On 29 December, multiple orange wind and rain warnings were issued ahead of a weather system, which brought trees down across Auckland, the Waikato and the Coromandel Peninsula. The weather also closed all lanes on the Auckland Harbour Bridge at 3:00 p.m.

Also on 29 December, thousands of homes and businesses lost power, and two Horowhenua townships were urged to conserve water after severe weather felled trees and downed powerlines across the lower North Island and upper South Island. Widespread power cuts impacted the Nelson-Tasman regions and the Horowhenua District. The weather, moving south after wreaking havoc across the upper North Island the day before, prompted heavy rain and strong wind warnings for central areas. Civil Defence Manawatū-Whanganui issued a notice urging Foxton and Shannon residents to conserve water.

There was a district-wide power outage in the West Coast on the evening of 29 December. Buller Electricity Limited said there had been a fault at the Robertson Substation. The outage affected the Buller area including Westport and Karamea.

Record or near-record December extreme wind gusts were recorded at:

| Location | Extreme wind gust (km/h) | Date of extreme gust | Year records began | Comments |
|----------------------------|--------------------------|----------------------|--------------------|-------------|
| Mokohinau Island | 135 | 29th | 1994 | Highest |
| Taupō | 107 | 29th | 1982 | Highest |
| Pukekohe | 78 | 29th | 1986 | Highest |
| Mt Ruapehu Chateau | 113 | 29th | 2000 | Highest |
| Māhia | 107 | 4th | 1991 | Highest |
| Secretary Island | 144 | 15th | 1994 | Highest |
| Mt Cook Airport | 154 | 8th | 2000 | Highest |
| Alexandra | 96 | 5th | 2001 | Highest |
| Cape Reinga | 128 | 3rd | 1974 | 2nd-highest |
| Westport | 108 | 30th | 1973 | 2nd-highest |
| Wānaka | 83 | 5th | 1992 | 2nd-highest |
| Manapouri | 83 | 7th | 1991 | 2nd-highest |
| Auckland (Western Springs) | 78 | 29th | 1994 | 3rd-highest |
| Rotorua | 87 | 29th | 1972 | 3rd-highest |
| Hāwera | 91 | 30th | 1986 | 3rd-highest |
| Nelson | 96 | 29th | 1972 | 3rd-highest |
| Whakatāne | 86 | 3rd | 1974 | 4th-highest |
| Waiouru | 98 | 29th | 1970 | 4th-highest |
| Westport | 100 | 30th | 1973 | 4th-highest |
| Franz Josef | 75 | 8th | 2003 | 4th-highest |
| Lake Tekapo | 102 | 5th | 2003 | 4th-highest |

Lightning, hail, and tornadoes

On 3 December, a suspected tornado struck at Dudding Lake Motor Camp and Caravan Park near Marton. Trees were blown over in the area, and a man was injured when the caravan he was inside was lifted and flipped onto its roof. Several other structures at the camp were damaged or destroyed. Farther north, severe thunderstorms passed over the Auckland region, with large hail and lightning reported in several suburbs including Stanmore Bay, Orewa, and Whangaparāoa. Nearly 14,000 lightning strikes were recorded over the North Island on this day.

On 11 December, thunderstorms delivered hail and lightning to eastern parts of Otago. A thick coating of hail fell at Dunedin airport with areas of surface flooding on nearby roads.

On 16 December, severe thunderstorms were observed in Canterbury and Otago, producing heavy rain and large hail up to 3 cm in diameter near Dunedin.

On 27 December, severe thunderstorms produced large and prolonged hail for parts of South Canterbury. Deep accumulations of hail were reported about Cave (South Canterbury), temporarily making SH8 impassable for vehicles in the area

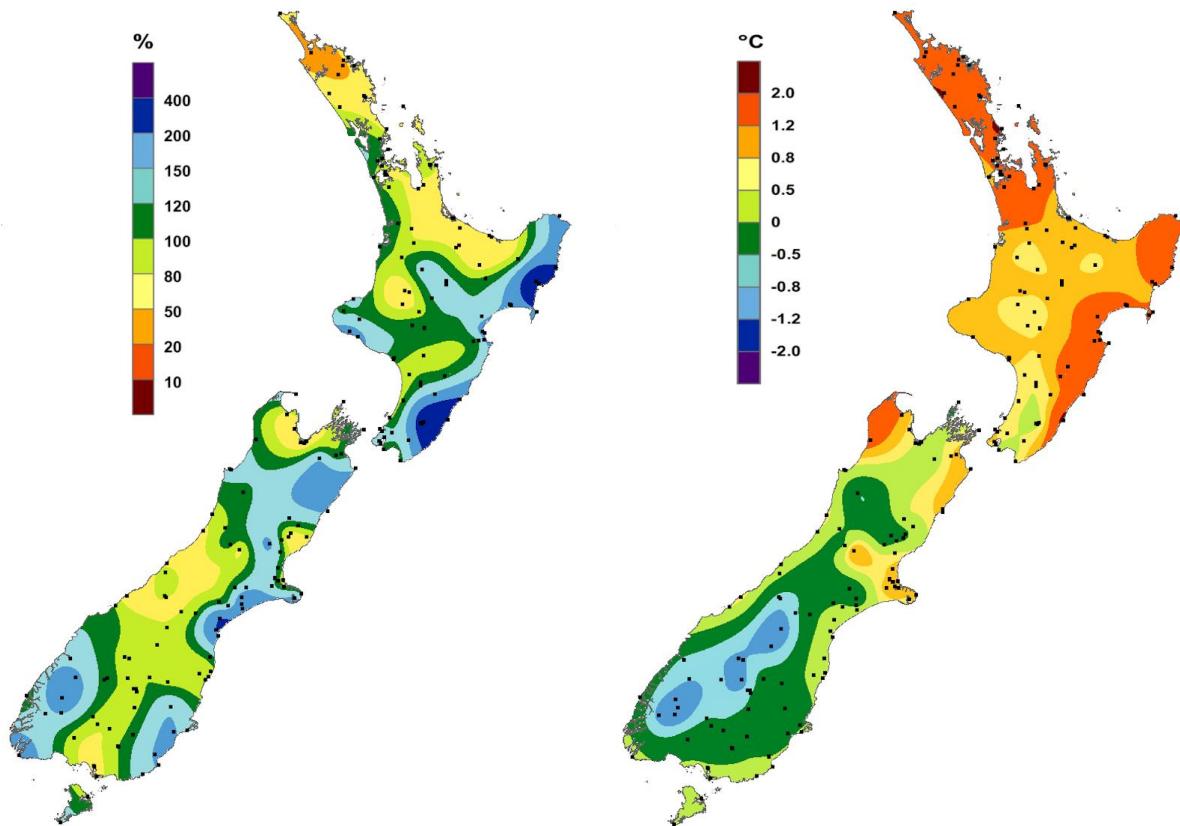
On 29 December, a waterspout formed in stormy conditions off the shore between Waimārama Beach and Te Motu-o-Kura/Bare Island.

For further information, please contact:

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December rainfall

Expressed as a percentage of the 1991-2020 normal.

December temperature

Expressed as a departure from the 1991-2020 average in degrees Celsius.

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