

Dry and warm for most of the country

Rainfall	Rainfall was below normal (50-79% of normal) or well below normal (<50% of normal) for much of the country. Rainfall was above normal (120-149% of normal) or well above normal (>149% of normal) for parts of the West Coast.
Temperature	Temperatures were above average (0.51°C to 1.20°C above average) or well above average (>1.20°C above average) for most of the country. Temperatures were near average ($\pm 0.50^\circ\text{C}$ of average) in parts of Southland, inland Otago, the West Coast, and northeastern Northland.
Soil Moisture	At the end of November, soil moisture levels were below normal for northern, inland, and eastern parts of the North Island, as well as central and northern parts of Canterbury. Above normal soil moisture levels were observed in southern and western parts of Southland, and eastern parts of Otago. Elsewhere, near normal soil moisture levels were typically observed.

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Overview

November 2024 was characterised by a large belt of higher-than-normal mean sea level pressure that straddled Aotearoa New Zealand and the surrounding seas. This pressure setup resulted in a relatively calm and settled month of weather for the country, with warm temperatures and relatively little rainfall for many areas. There were slightly more easterly airflows than normal for northern parts of the North Island, with more northwesterly airflows for the lower half of the South Island.

Rainfall was below normal (50-79% of normal) or well below normal (<50% of normal) for much of the country. It was especially dry for parts of Central Otago, northern Canterbury, and coastal Wairarapa, where rainfall was less than 20% of normal for November. Rainfall was above normal (120-149% of normal) or well above normal (>149% of normal) for parts of the West Coast, largely due to a significant rainfall event in early November that resulted in a local state of emergency (see *Highlights and extreme events* section for further details). Rainfall was near normal (80-119% of normal) for parts of Waikato, Taranaki, Kāpiti Coast, and isolated parts of southern Otago and Southland.

Temperatures were above average (0.51°C to 1.20°C above average) or well above average (>1.20°C above average) for most of the country. The exception was parts of Southland, inland Otago, the West Coast, and northeastern Northland, where temperatures were near average ($\pm 0.50^\circ\text{C}$ of average). The nationwide average temperature in November 2024 was 14.7°C. This was 1.0°C above the 1991-2020

November average, making it New Zealand’s 13th-warmest November since NIWA’s seven station temperature series began in 1909.

Further Highlights:

- The highest November temperature was 32.1°C, observed at Bromley (Christchurch) on 28 November.
- The lowest November temperature was -5.0°C, observed at Lake Tekapo on 3 November.
- The highest 1-day rainfall was 373 mm, recorded at Franz Josef on 8 November.
- The highest wind gust was 181 km/h, observed at Cape Turnagain on 28 November.
- Of the available, regularly reporting sunshine observation sites, the sunniest four regions in 2024 so far are Marlborough (2489 hours), wider Nelson (2477 hours), Bay of Plenty (2454 hours), and Tasman (2387 hours).
- Of the six main centres in November 2024, Tauranga was the warmest and sunniest, Dunedin was the coolest, Auckland was the wettest, Christchurch was the driest, and Wellington was the least sunny.

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Rainfall: Dry for most, especially Central Otago

It was a dry November overall for many parts of New Zealand, due to the prevalence of high pressure over the country. Alexandra and Clyde received just 3 mm (8% of normal) and 4 mm (10% of normal) of rainfall for the month, respectively.

Record¹ or near-record November rainfall totals were recorded at:

Location	Rainfall total (mm)	Percentage of normal	Year records began	Comments
High records or near-records				
None observed				
Low records or near-records				
Mt Ruapehu Chateau	66	27	2000	2nd-lowest
Methven	19	26	1888	2nd-lowest
Clyde	4	10	1978	2nd-lowest
Alexandra	3	8	1922	2nd-lowest
Ngawi	9	14	1930	3rd-lowest
Waiouru	29	36	1950	3rd-lowest
Cheviot	15	32	1982	3rd-lowest
Waipara West	8	15	1973	3rd-lowest
Waiau	16	25	1974	4th-lowest

¹ 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.

Ashburton	14	27	1909	4th-lowest
Rangiora	10	21	1965	4th-lowest

Temperature: A warm month for many areas

Four locations observed near-record high mean temperatures, while no location observed record or near-record low mean temperatures. New Zealand's warmest location relative to average was Leigh, where the mean temperature of 17.9°C was 2.7°C above average.

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

Location	Mean air temp. (°C)	Departure from normal (°C)	Year records began	Comments
High records or near-records				
Brothers Island	14.7	1.0	1997	2nd-highest
Whakatāne	17.3	1.6	1974	3rd-highest
Kawerau	18.1	1.8	1954	3rd-highest
Leigh	17.9	2.7	1966	4th-highest
Low records or near-records				
None observed				

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

Location	Mean maximum air temp. (°C)	Departure from normal (°C)	Year records began	Comments
High records or near-records				
Whakatāne	22.5	1.8	1974	Highest
Kawerau	25.0	2.8	1954	2nd-highest
Chatham Island	18.0	2.0	1878	Equal 2nd-highest
Brothers Island	16.9	1.0	1997	3rd-highest
Windsor	19.0	1.2	2000	4th-highest
Waipounamu	18.0	1.0	1980	4th-highest
Low records or near-records				
None observed				

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

Location	Mean minimum air temp. (°C)	Departure from normal (°C)	Year records began	Comments
High records or near-records				
Akaroa	10.9	1.8	1978	2nd-highest
Wellington (Kelburn)	11.9	1.6	1928	3rd-highest
Brothers Island	12.5	1.0	1997	3rd-highest
Matamata	10.9	2.0	1999	4th-highest
Mt Ruapehu Chateau	5.0	1.9	2000	4th-highest
Low records or near-records				
Waipounamu	6.1	-0.2	1980	4th-lowest

November climate in the six main centres

November temperatures were well above average in Wellington, and above average for the remaining main centres. It was a dry November for most main centres, with below normal or well below normal rainfall. The exception was Auckland, where rainfall was above normal. Of the six main centres in November 2024, Tauranga was the warmest and sunniest, Dunedin was the coolest, Auckland was the wettest, Christchurch was the driest, and Wellington was the least sunny.

November 2024 main centre climate statistics:

Temperature			
Location	Mean temp. (°C)	Departure from normal (°C)	Comments
Auckland ^a	16.9	+0.8	Above average
Tauranga ^b	17.0	+0.9	Above average
Hamilton ^c	15.8	+1.1	Above average
Wellington ^d	14.9	+1.4	Well above average
Christchurch ^e	14.2	+1.0	Above average
Dunedin ^f	12.9	+0.6	Above average
Rainfall			
Location	Rainfall (mm)	% of normal	Comments
Auckland ^a	75	131	Above normal
Tauranga ^b	44	69	Below normal
Hamilton ^c	46 ²	52	Below normal
Wellington ^d	72	72	Below normal
Christchurch ^e	21	47	Well below normal
Dunedin ^f	49	78	Below normal
Sunshine			
Location	Sunshine (hours)		
Auckland ^h	220		
Tauranga ^b	245		
Hamilton ^g	201		
Wellington ^d	179 ³		
Christchurch ^e	234		
Dunedin ^f	227		

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

² Missing one day of data.

³ Missing three days of data.

Highlights and extreme events

Rain and slips

The highest 1-day rainfall was 373 mm, recorded at Franz Josef on 8 November. This was the settlement's wettest November day since records began in 1926.

On 9 November, a local state of emergency was declared for the Southern Ward of Westland District as heavy rain caused extensive flooding, evacuations, land slips and road closures in the area. The highway between Fox Glacier and Haast was closed for several days due to slips, flooding, and cracks in the road near Knights Point. Extensive surface flooding occurred in the township of Haast. Farther north, SH6 was closed between Ross and Fox Glacier due to flooding. In Otago, a portion of Kinloch Road (near Glenorchy) was washed out by a swollen Dart River, and a rental vehicle was washed into the river after being unable to negotiate the road safely.

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

Location	Extreme 1-day rainfall (mm)	Date of extreme rainfall	Year records began	Comments
Ōkārito	165	8th	1981	Highest
Franz Josef	373	8th	1926	Highest
Haast	223	8th	1943	Highest
Port Taharoa	46	15th	1973	2nd-highest
Mt Cook	280	8th	1928	2nd-highest

Temperatures

The highest November temperature was 32.1°C, observed at Bromley (Christchurch) on 28 November. The lowest November temperature was -5.0°C, observed at Lake Tekapo on 3 November.

From 26-29 November, a warm northerly airflow prevailed over New Zealand, delivering high temperatures to many eastern and northern areas. Temperatures were especially high on 28 November, when nine locations observed record or near-record high November temperatures.

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

Location	Extreme maximum (°C)	Date of extreme temperature	Year records began	Comments
High records or near-records				
Le Bons Bay	28.0	28th	1984	Highest
Bromley	32.1	28th	1962	Highest
Tākaka	29.0	28th	1978	2nd-highest
Brothers Island	22.6	27th	1997	2nd-highest
Akaroa	31.0	28th	1978	2nd-highest
Appleby	27.8	28th	1932	Equal 2nd-highest
Hanmer Forest	30.6	28th	1906	Equal 2nd-highest
Rangiora	31.5	28th	1965	Equal 2nd-highest
Kawerau	31.5	29th	1954	3rd-highest
Wairoa	31.3	28th	1964	3rd-highest
Farewell Spit	26.3	26th	1971	3rd-highest
Chatham Island	22.6	9th	1878	3rd-highest
Kaitaia	26.2	29th	1948	Equal 3rd-highest

Hastings	31.7	28th	1965	Equal 3rd-highest
Nelson	27.4	26th	1862	4th-highest
Kaikohe	25.3	28th	1973	Equal 4th-highest
Mokohinau Island	22.8	29th	1994	Equal 4th-highest
Low records or near-records				
None observed				

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

Location	Extreme minimum (°C)	Date of extreme temperature	Year records began	Comments
High records or near-records				
Kaitaia	20.3	15th	1948	Highest
Blenheim	18.8	9th	1947	Highest
Mt Cook (Airport)	16.7	28th	1929	Highest
Rangiora	18.9	9th	1972	Highest
Akaroa	20.5	9th	1978	Equal highest
Wānaka	16.2	28th	1972	2nd-highest
Campbell Island	9.9	19th	1991	2nd-highest
Kaikōura	17.7	9th	1972	Equal 2nd-highest
Purerua	17.8	15th	1983	3rd-highest
Appleby	16.3	29th	1941	3rd-highest
Hanmer Forest	17.2	9th	1972	3rd-highest
Cheviot	17.1	9th	1982	3rd-highest
Waipounamu	13.3	8th	1980	3rd-highest
Auckland (Whenuapai)	17.9	15th	1951	Equal 3rd-highest
Waipara West	19.6	8th	1973	Equal 3rd-highest
Upper Hutt (Trentham)	16.6	15th	1972	4th-highest
Hāwera	16.7	15th	1977	4th-highest
Brothers Island	14.8	26th	1997	4th-highest
Waiau	18.5	9th	1974	4th-highest
Lincoln	17.8	9th	1881	4th-highest
Le Bons Bay	17.7	9th	1984	4th-highest
Stratford	14.8	15th	1972	Equal 4th-highest
Nelson	17.4	29th	1862	Equal 4th-highest
Low records or near-records				
Mokohinau Island	5.0	12th	1994	Lowest
Waipawa	-1.9	4th	1945	Lowest
Kaikohe	5.1	4th	1973	2nd-lowest
Lake Tekapo	-5.0	3rd	1925	2nd-lowest
Takapau Plains	-1.6	4th	1962	3rd-lowest
Pukaki Airport	-3.9	3rd	1972	3rd-lowest
Wānaka	-2.1	3rd	1955	3rd-lowest
Waipounamu	0.0	3rd	1980	Equal 3rd-lowest
Martinborough	-0.3	4th	1986	4th-lowest
Ōkārito	0.9	3rd	1982	4th-lowest
Milford Sound	0.6	3rd	1934	4th-lowest
Clyde	-1.2	3rd	1978	4th-lowest

Winchmore	-1.9	3rd	1949	Equal 4th-lowest
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Wind

The highest wind gust was 181 km/h, observed at Cape Turnagain on 28 November.

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

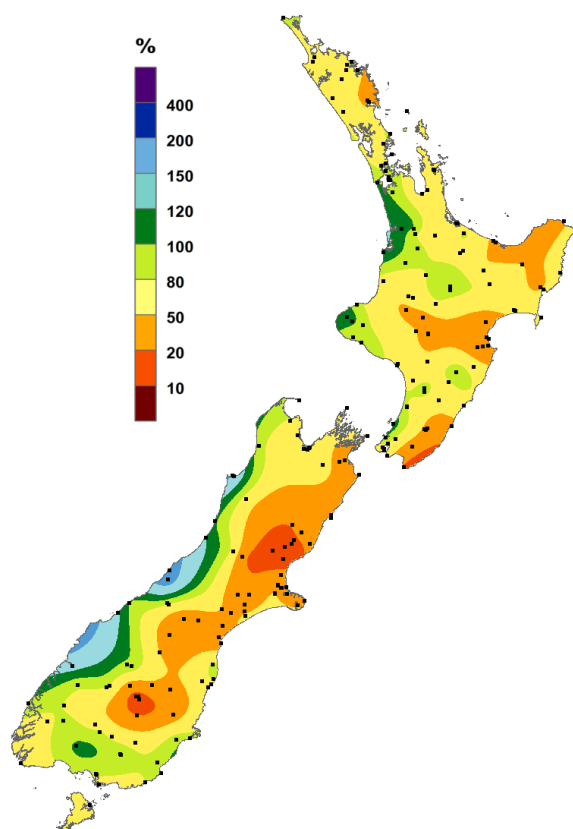
Location	Extreme wind gust (km/h)	Date of extreme gust	Year records began	Comments
Port Taharoa	102	21st	1978	2nd-highest
Puysegur Point	154	28th	1986	2nd-highest

For further information, please contact:

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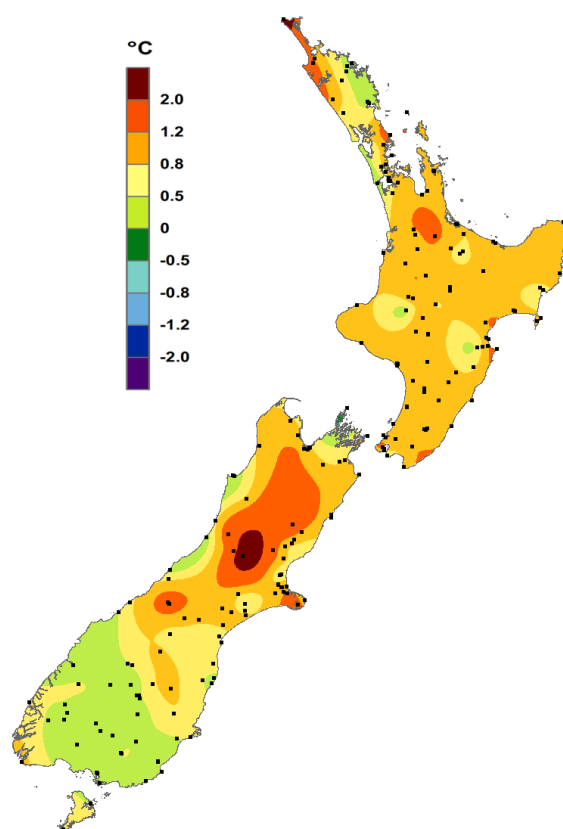
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November rainfall

Expressed as a percentage of the 1991-2020 normal.



November temperature

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

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