

# January was officially Australia's hottest month on record

February 1 2019, by Rod Mcguirk

---



In this Jan. 24, 2019, photo, a beachgoer jumps off a jetty at Glenelg Beach in Adelaide, Australia, as temperatures climb to 45 Celsius (113 Fahrenheit). Australia has sweltered through its hottest month on record in January and the summer of extremes continues with wildfires razing the drought-parched south while expanses of the tropical north are flooded. (Kelly Barnes/AAP Image via AP)

Australia sweltered through its hottest month on record in January and the summer of extremes continued with wildfires razing the drought-parched south and flooding in expanses of the tropical north.

Australia's Bureau of Meteorology confirmed the January record on Friday as parts of the northern hemisphere had record cold.

Australia's scorching start to 2019—in which the mean temperature across the country for the first time exceeded 30 degrees Celsius (86 degrees Fahrenheit)—followed Australia's third-hottest year on record. Only 2005 and 2013 were warmer than 2018, which ended with the hottest December on record.

Heat-stressed bats dropped dead from trees by the thousands in Victoria state and bitumen roads melted in New South Wales during heatwaves last month.

New South Wales officials say drought-breaking rains are needed to improve the water quality in a stretch of a major river system where hundreds of thousands of fish died in two mass deaths during January linked to excessive heat. A South Australia state government report on Thursday found that too much water had been drained from the river system for farming under a management plan that did not take into account the impact of climate change on the river's health.

The South Australian capital Adelaide on Jan. 24 recorded the hottest day ever for a major Australian city—a searing 46.6 C (115.9 F).

On the same day, the South Australian town of Port Augusta, population 15,000, recorded 49.5 C (121.1 F)—the highest maximum anywhere in Australia last month.

Bureau senior climatologist Andrew Watkins described January's heat as unprecedented.

"We saw heatwave conditions affect large parts of the country through most of the month, with records broken for both duration and also

individual daily extremes," Watkins said in a statement.



In this Jan. 24, 2019, photo, a man and a woman are on Glenelg Beach in Adelaide, Australia, as temperatures climb to 45 Celsius (113 Fahrenheit). Australia has sweltered through its hottest month on record in January and the summer of extremes continues with wildfires razing the drought-parched south while expanses of the tropical north are flooded. (Kelly Barnes/AAP Image via AP)

The main contributor to the heat was a persistent high-pressure system over the Tasman Sea between Australia and New Zealand that blocked cold fronts from reaching southern Australia.

Rainfall was below-average for most of the country, but the monsoonal trough has brought flooding rains to northern Queensland state in the past week, leading to a disaster declaration around the city of

Townsville.

Queensland's flooded Daintree River reached a 118-year high this week.

Emergency services reported rescuing 28 people from floodwaters in the past week.

"The vast bulk of the population will not have experienced this type of event in their lifetime," State Disaster Coordinator Bob Gee told reporters, referring to the extraordinary flooding.

Townsville Mayor Jenny Hill described the torrential rain as a "one-in-100-year event" that had forced authorities to release water from the city dam. The water release would worsen flooding in low-lying suburbs, but would prevent the Ross River from breaking its banks.

In the southern island state of Tasmania, authorities are hoping rain will douse more than 40 fires that have razed more than 187,000 hectares (720 square miles) of forest and farmland by Friday. Dozens of houses have been destroyed by fires and flooding in recent weeks.

Milder weather since Thursday has lowered the fire danger but it was forecast to escalate again from Sunday.

The Climate Council, an Australian independent organization formed to provide authoritative climate change information to the public, said the January heat record showed the government needed to curb Australia's greenhouse gas emissions which have increased during each of the past four years.

"Climate change is cranking up the intensity of extreme heat, and January's record-breaking month is part of a sharp, long-term upswing in temperatures driven primarily from the burning of fossil fuels," the

council's acting chief executive Martin Rice said in a statement.

© 2019 The Associated Press. All rights reserved.

Citation: January was officially Australia's hottest month on record (2019, February 1) retrieved 18 April 2024 from <https://phys.org/news/2019-02-january-australia-hottest-month.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.