



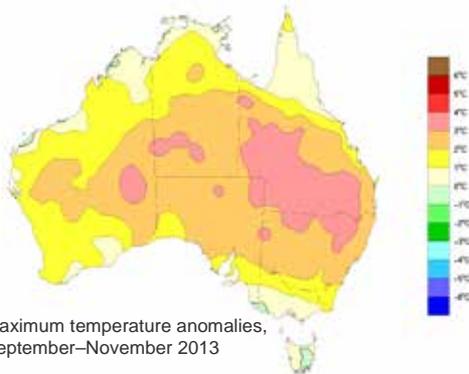
National Climate and Water Briefing Series

19 December 2013

Warmer than average conditions persisted in November, contributing to Australia's warmest spring on record. Nationally averaged rainfall was above normal in November, but dry conditions prevailed in many inland areas and are likely to continue. Low flows are more likely at most New South Wales and Victorian streamflow forecast locations.

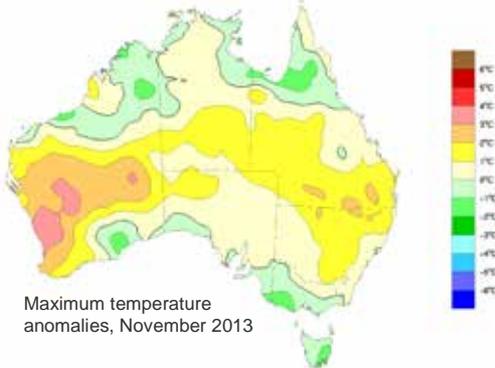
Recent conditions

- Spring maximum temperature, averaged across Australia was 2.1 °C above average – warmest on record



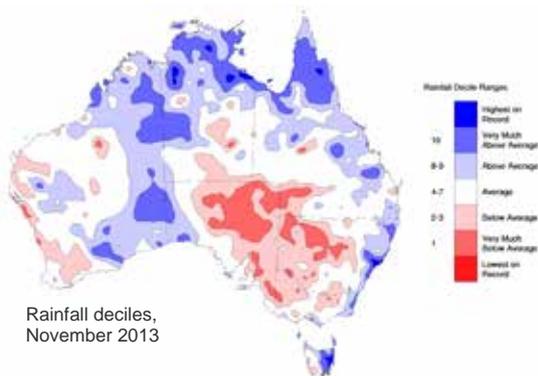
Maximum temperature anomalies, September–November 2013

- November maximum temperature, averaged across Australia, was 0.7 °C above normal



Maximum temperature anomalies, November 2013

- November rainfall, averaged nationally, was 22% above normal



Rainfall deciles, November 2013

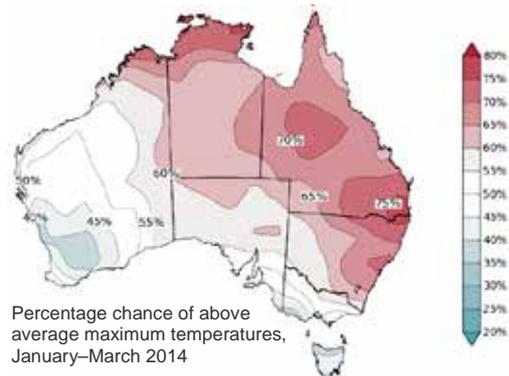
Climate drivers

- Neutral El Niño-Southern Oscillation
- Warmer than normal Indian Ocean

Climate outlook January–March

Temperature

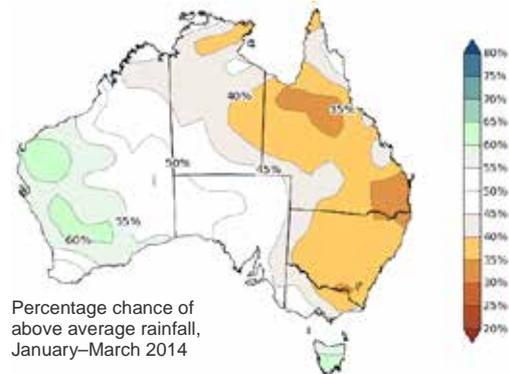
- Warmer than normal conditions are more likely for the northeastern half of Australia; cooler than normal in Victoria, Tasmania and southwestern Western Australia



Percentage chance of above average maximum temperatures, January–March 2014

Rainfall

- Drier than normal conditions are more likely for most of eastern Australia; wetter than normal for southern Tasmania and parts of western Western Australia

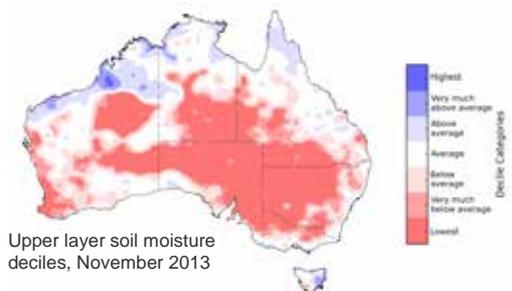
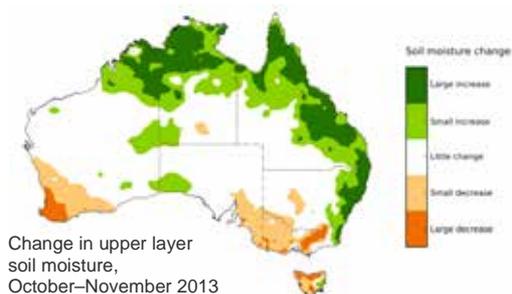


Percentage chance of above average rainfall, January–March 2014

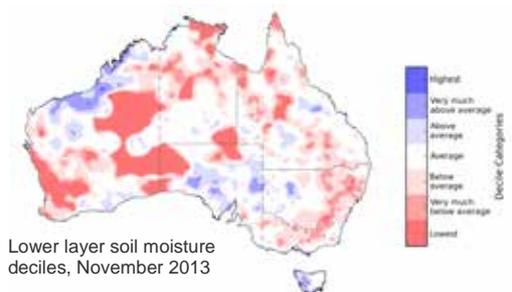
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Soil moisture

- Upper layer soil moisture increased over northern and eastern Australia in November, but is still very low across much of the country



- Lower layer soil moisture is generally average to below average; except in parts of Tasmania, South Australia and northern Western Australia



Water storage levels

- Storage levels in most drainage divisions are lower than 12 months ago; increases in South West Coast and South Australian Gulf

More information

Rainfall and temperature outlook
www.bom.gov.au/climate/ahead

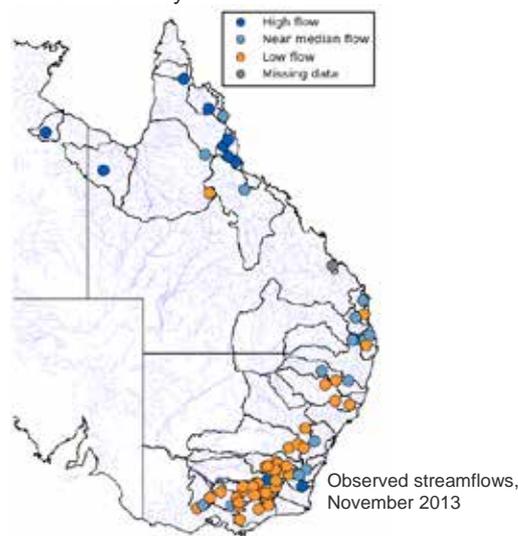
Seasonal streamflow forecasts and water storage
www.bom.gov.au/water

Severe weather warnings
www.bom.gov.au

Streamflow conditions and outlook

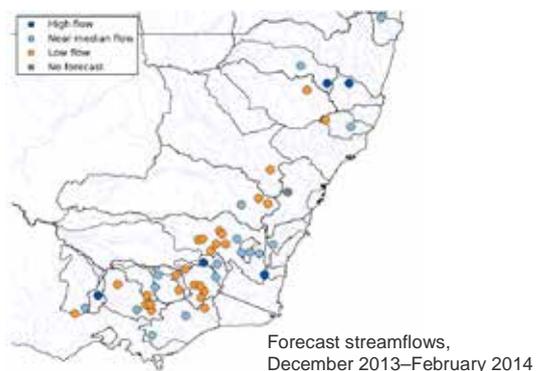
November streamflow

- Low November streamflows were observed at most Victorian and New South Wales monitoring locations, with high flows in northern Queensland and Northern Territory locations



Streamflow outlook December–February

- High streamflows are more likely at most Queensland forecast locations
- Low flows are more likely at most New South Wales and Victorian locations



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