NSWIC

Changing climate discussion

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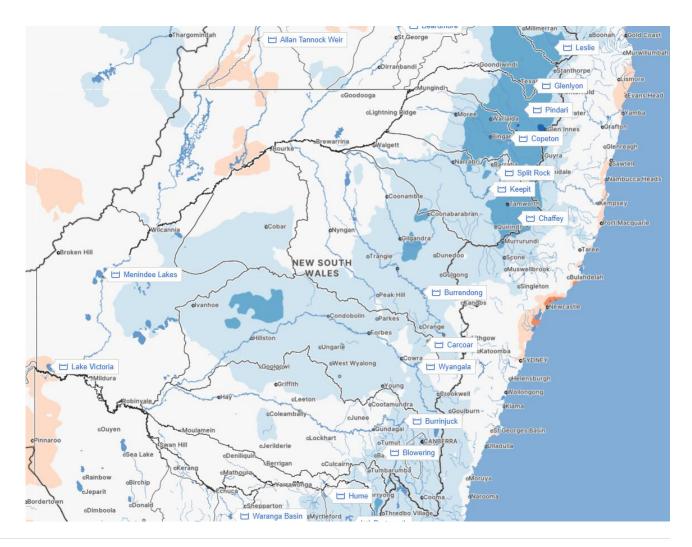
water@bom.gov.au



Contents

- High level overview of rainfall and temperature in NSW
- Climate impacts on water availability in the last 20 years
- Plug for Climate Services for Agriculture
- Plug for Murray-Darling Basin Water
 Information Portal

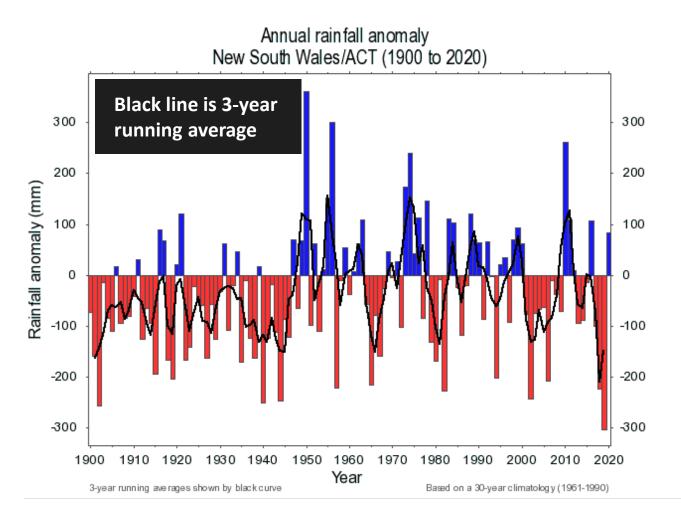
Screenshot from new Murray-Darling Basin Water Information Portal -> MDBWIP.bom.gov.au



Rainfall in NSW



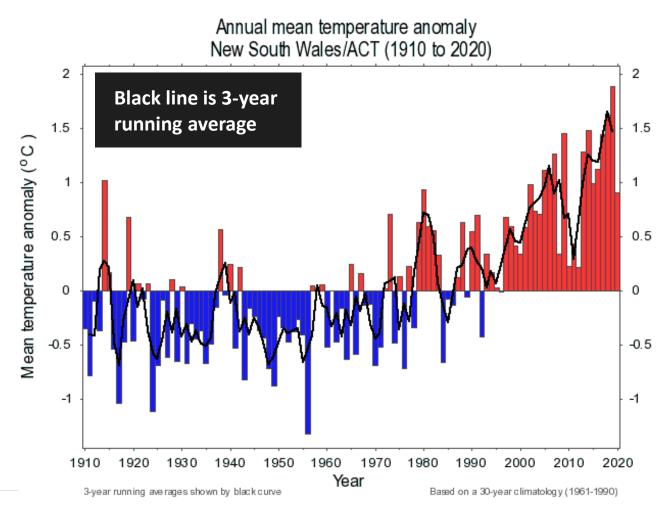
Rainfall in NSW – high level view



Average annual rainfall each decade

1901-1910	465.269
1911-1920	492.279
1921-1930	486.511
1931-1940	484.214
1941-1950	528.341
1951-1960	566.489
1961-1970	524.151
1971-1980	581.264
1981-1990	563.182
1991-2000	552.68
2001-2010	497.334
2011-2020	504.453

Mean temperature and evapotranspiration in NSW – high level view

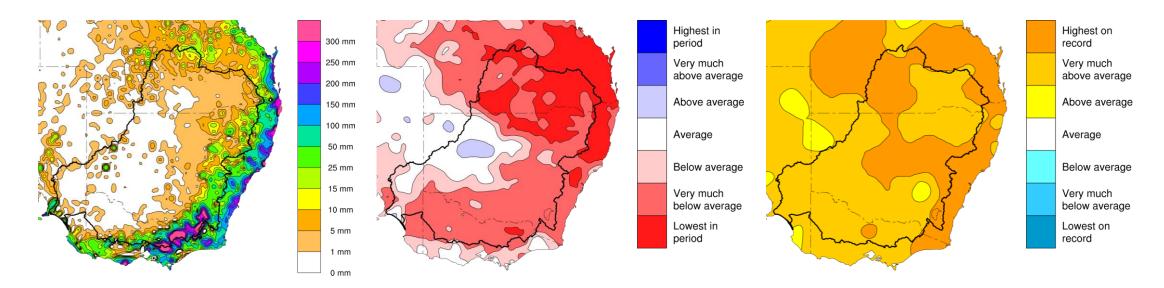




Last 20 years in the Basin – climate impacts on water availability



Last 20 years in the Basin – Cool season (April to September)



Long-term average modelled runoff 1911-2020

(where water comes from)

Rainfall percentiles for last 20 years

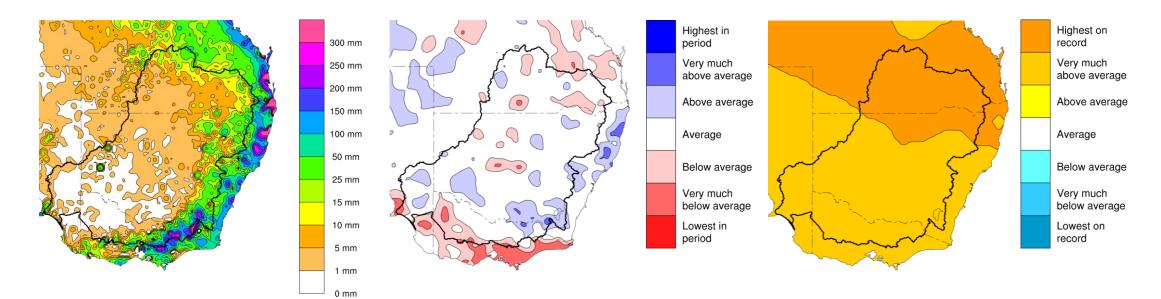
Compared to 1900-2020

Mean temperate percentiles for last 20 years

Compared to 1900-2020



Last 20 years in the Basin – Warm season (October to March)



Long-term average modelled runoff 1911-2020

(where water comes from)

Rainfall percentiles for last 20 years

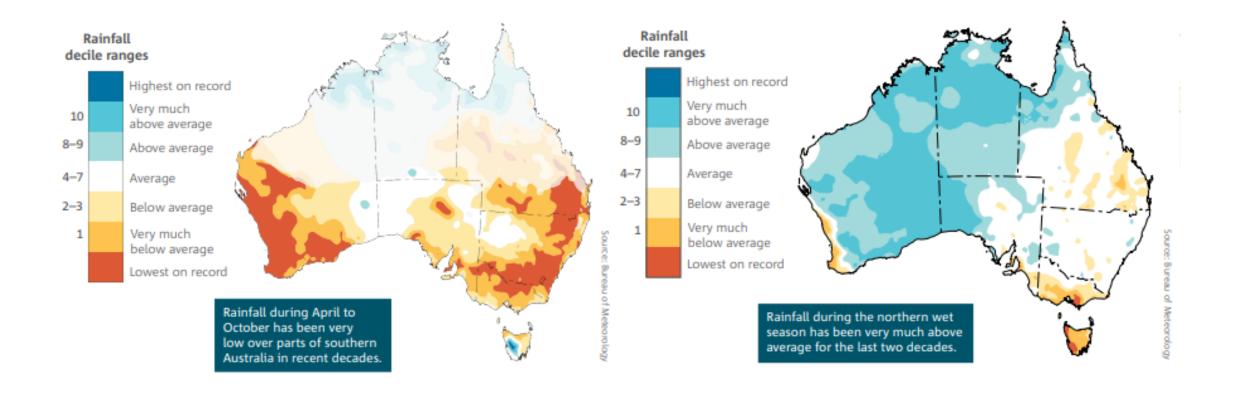
Compared to 1900-2020

Mean temperate percentiles for last 20 years

Compared to 1900-2020



How these trends fit with national trends





Understanding climate change at the local scale

Climate Services for Agriculture project – prototype

https://climateservicesforag.indraweb.io/dashboard

Username: csa

Password: demo

[Live demo and discussion]



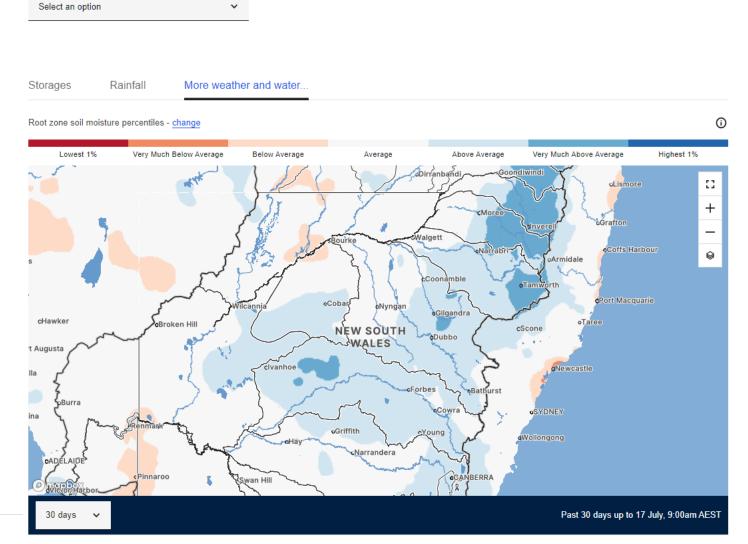
Request for feedback on MDB Water Information Portal



MDBWIP.bom.gov.au

Select a Basin catchment

- New central source of information for the Murray-Darling Basin
- Basic version one out now, so people can test and tell us what they want included in future version.
- Please provide feedback through to water@bom.gov.au
- Please let us know if you'd be willing to sit down with one of our designers and participate in user-centred design.





NWSIC – CHANGING CLIMATE WORKSHOP

Thank you

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