

Rainfall, Runoff and Recharge

Todd Smith

Regional Director, NT

Bureau of Meteorology

Katherine Water Forum

Wednesday 4 May 2016



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Wet Season Summary



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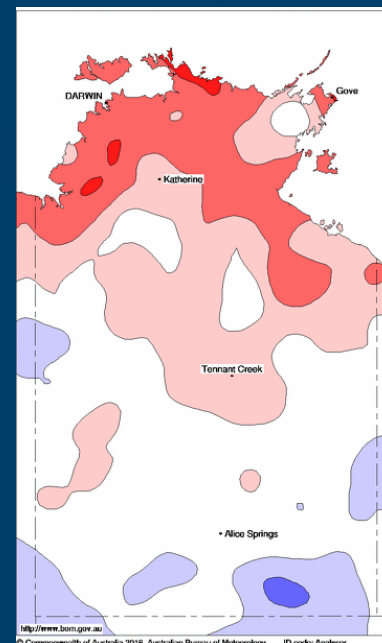
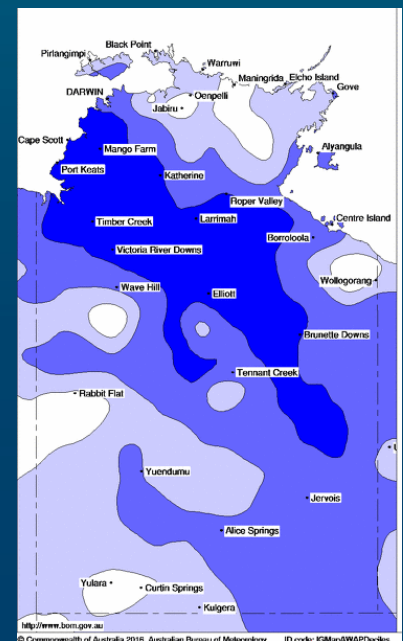
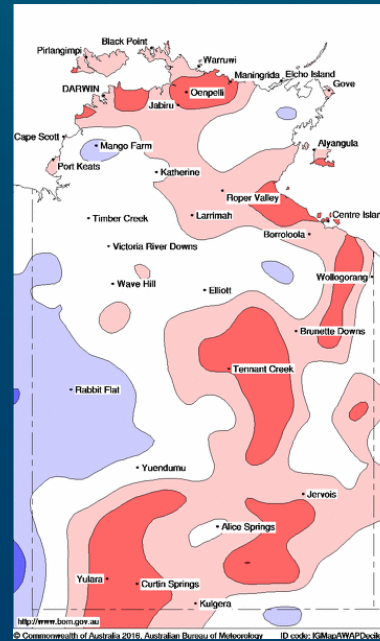
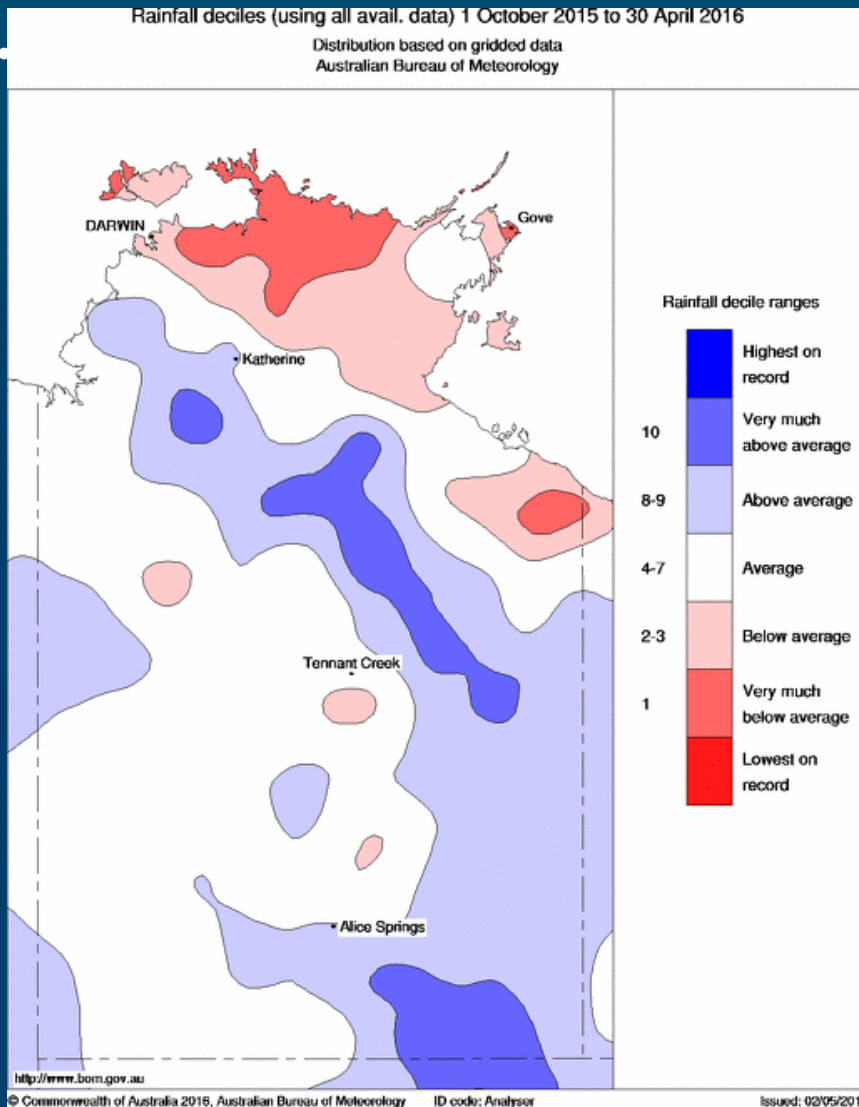


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Wet season Rainfall 2015/16

October / November

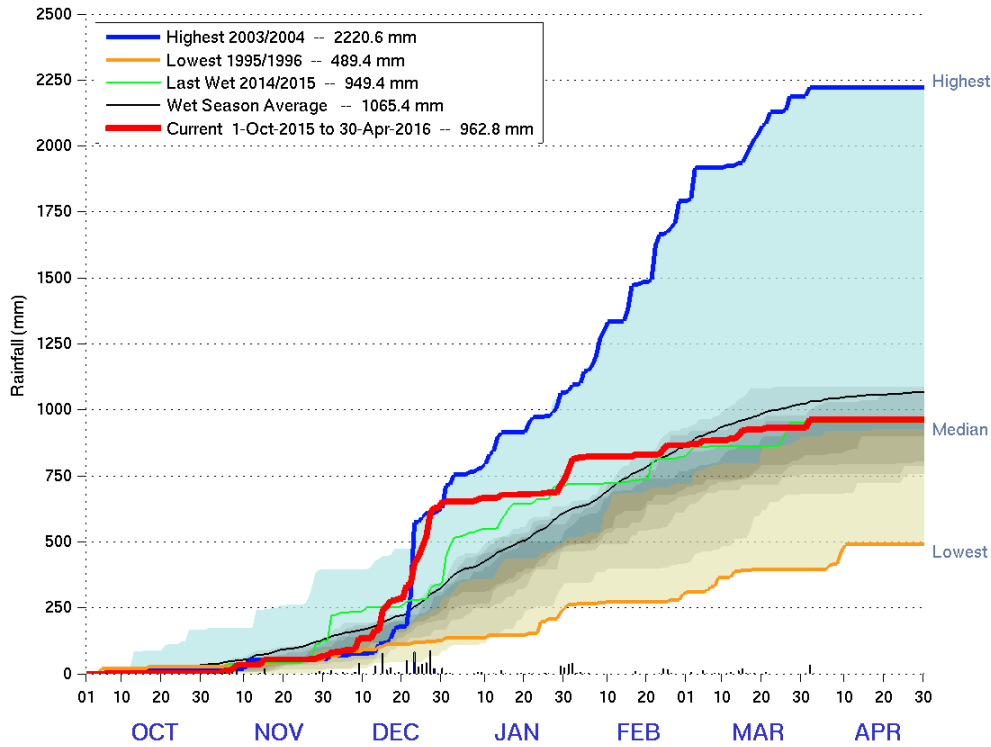
December



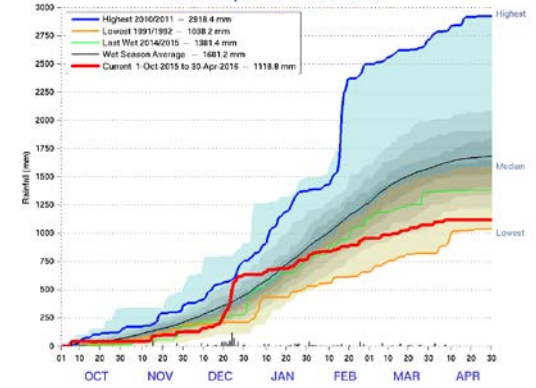
January to April

Daily cumulative rainfall

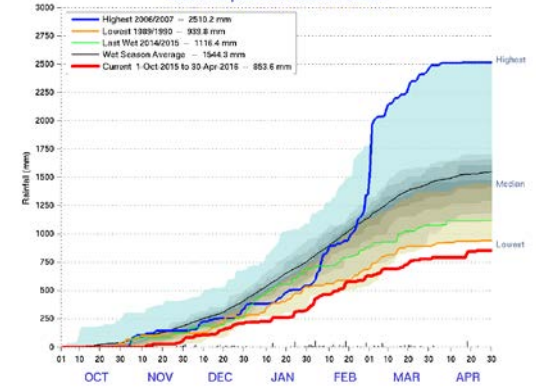
Tindal Raaf wet season rainfall



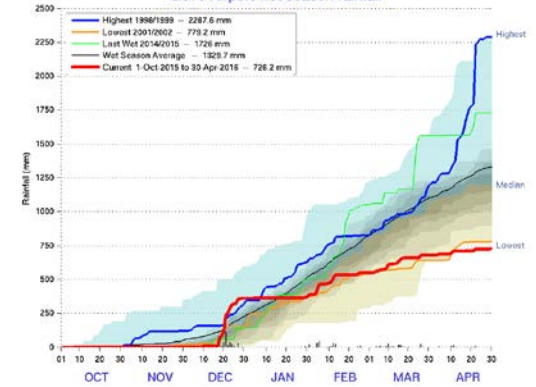
Darwin Airport wet season rainfall



Jabiru Airport wet season rainfall

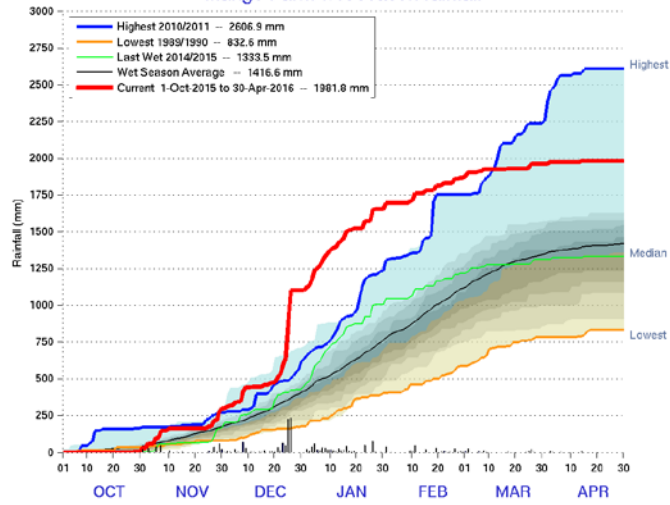


Gove Airport wet season rainfall

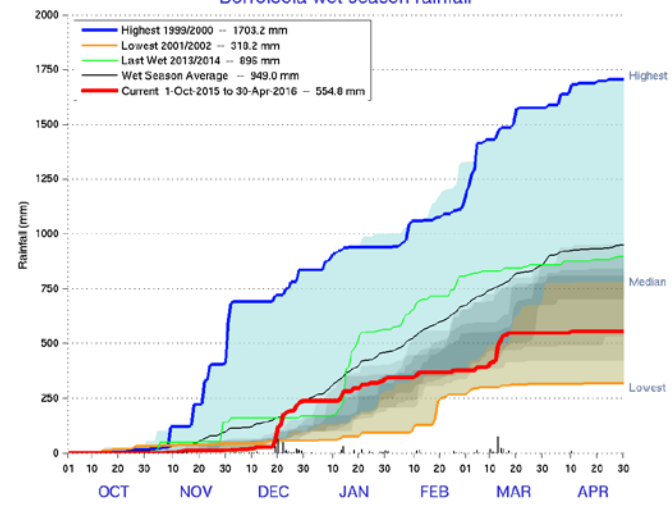


Daily cumulative rainfall

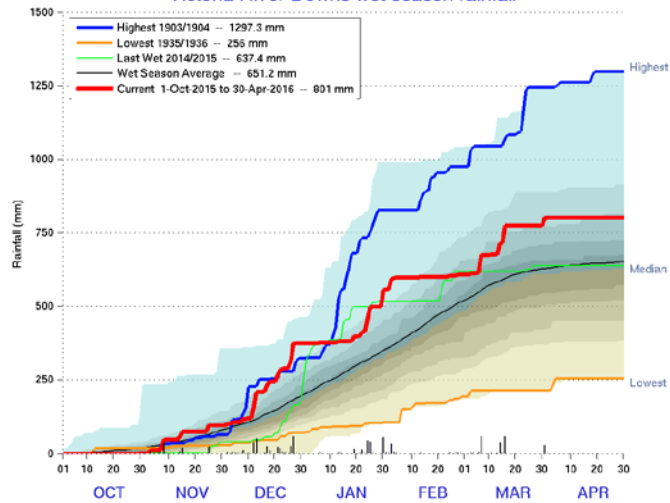
Mango Farm wet season rainfall



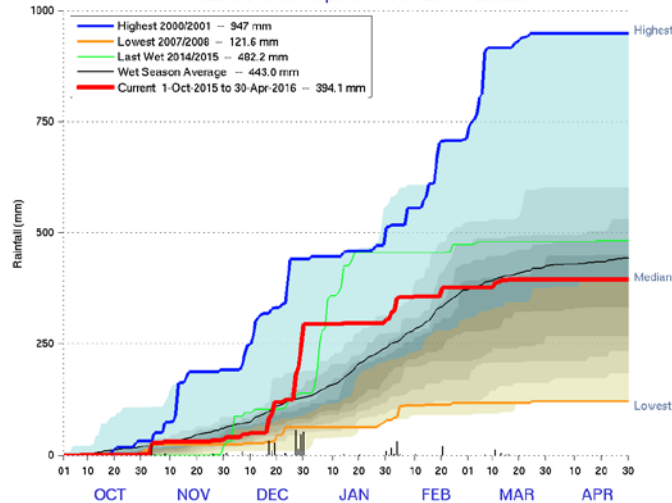
Borroloola wet season rainfall



Victoria River Downs wet season rainfall

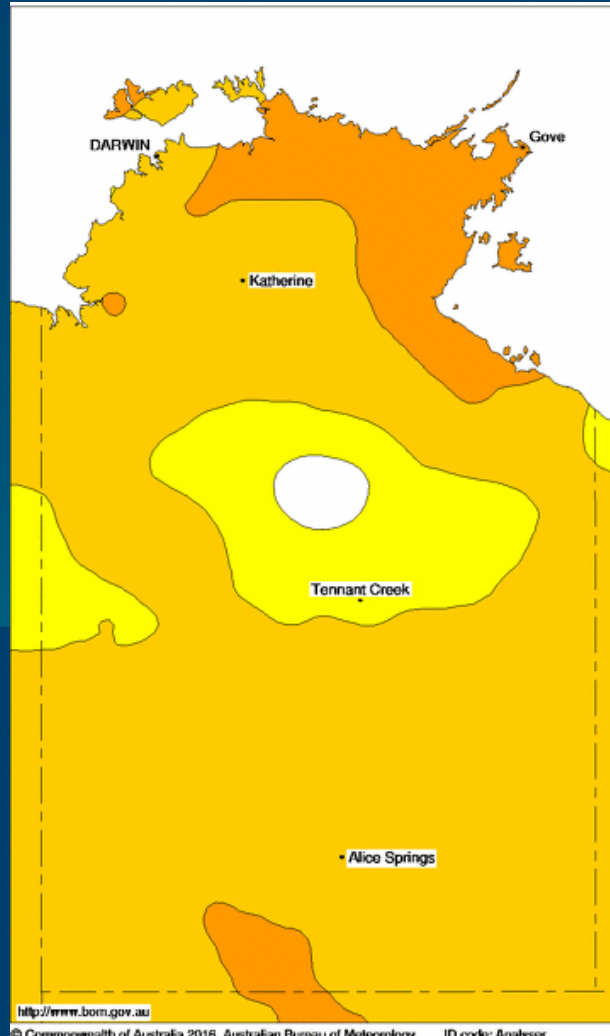


Tennant Creek Airport wet season rainfall



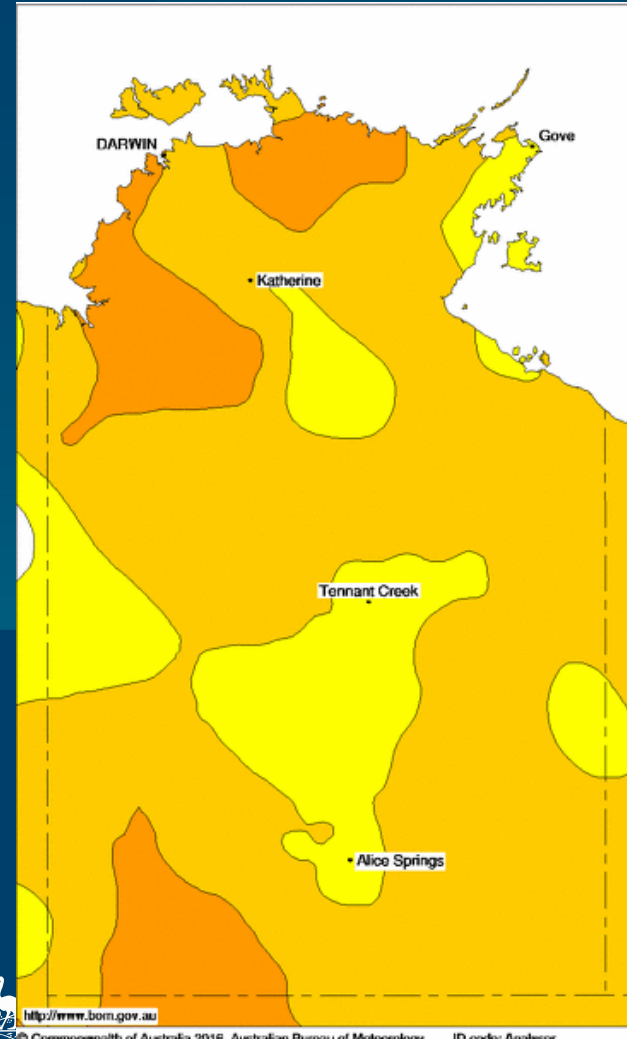
Wet Season Temperatures

Maximum temperature



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Minimum temperature



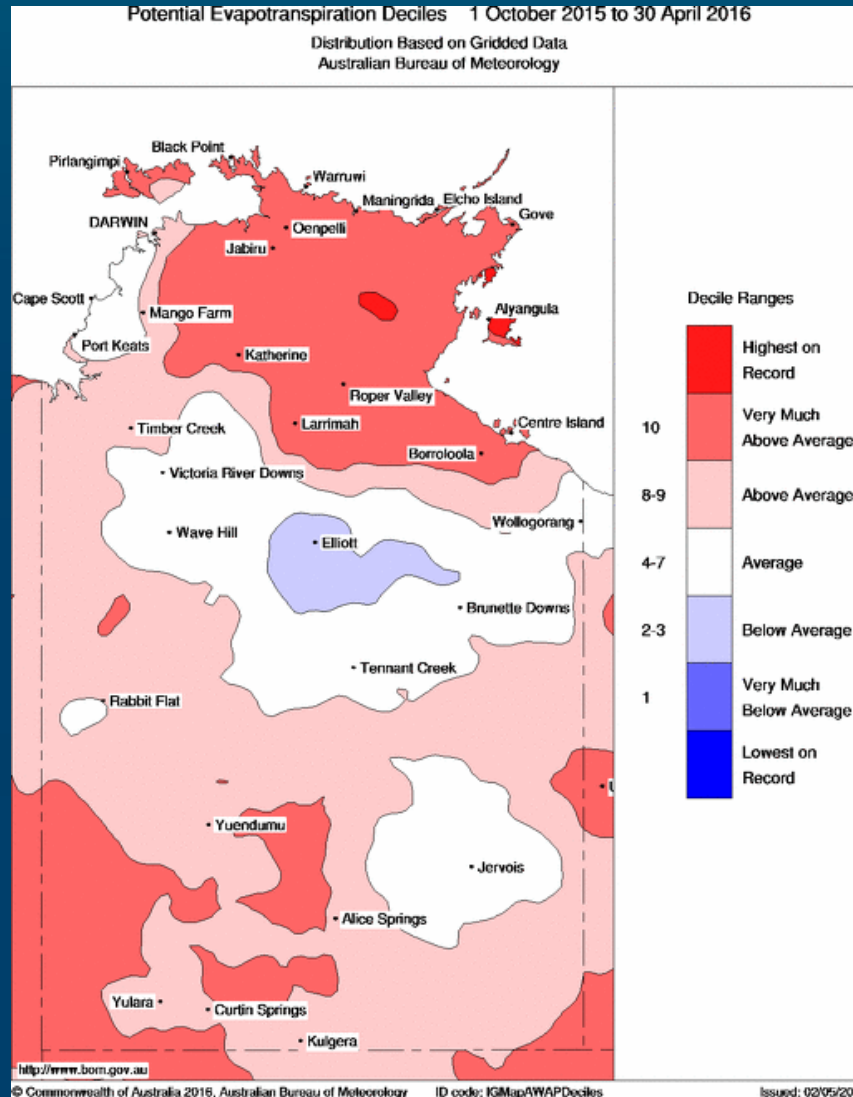
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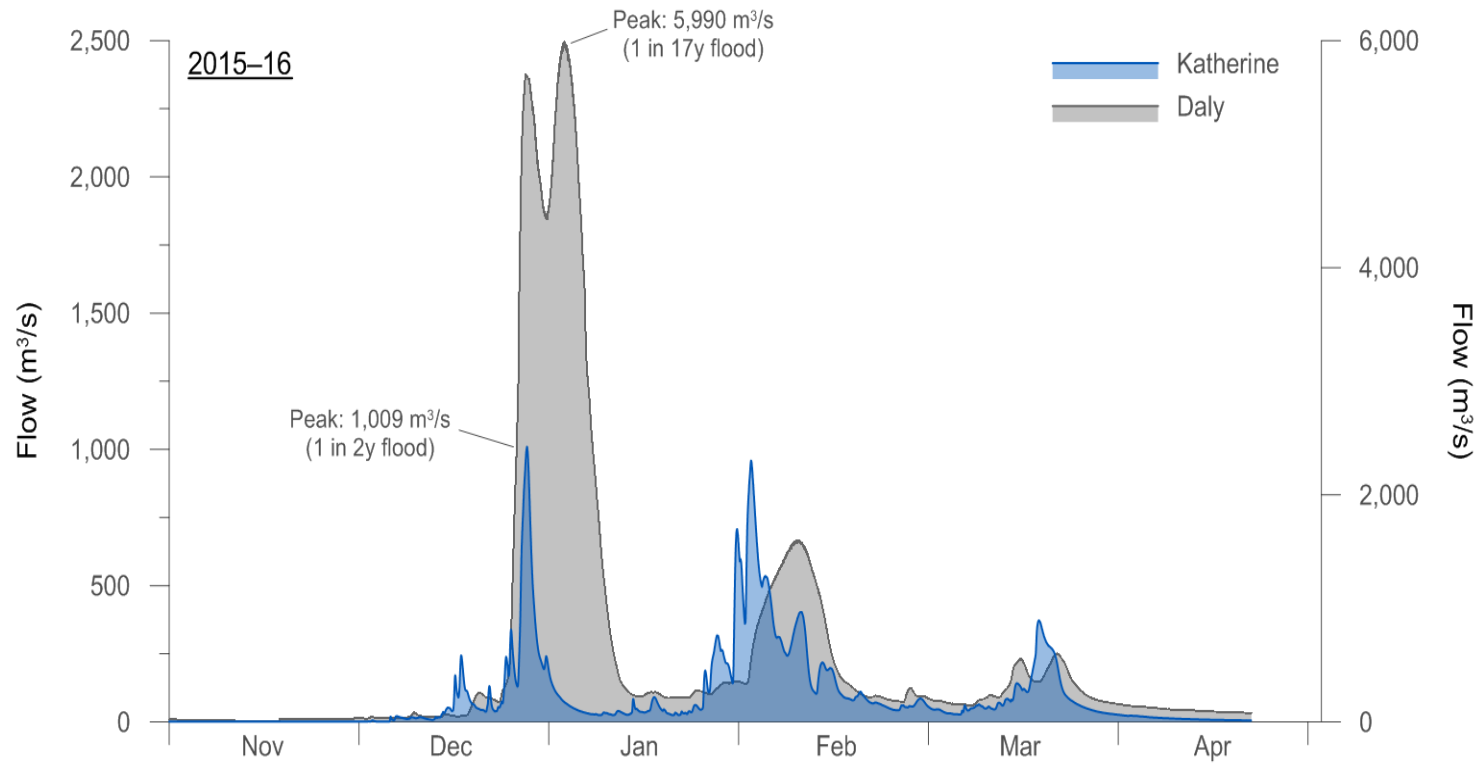
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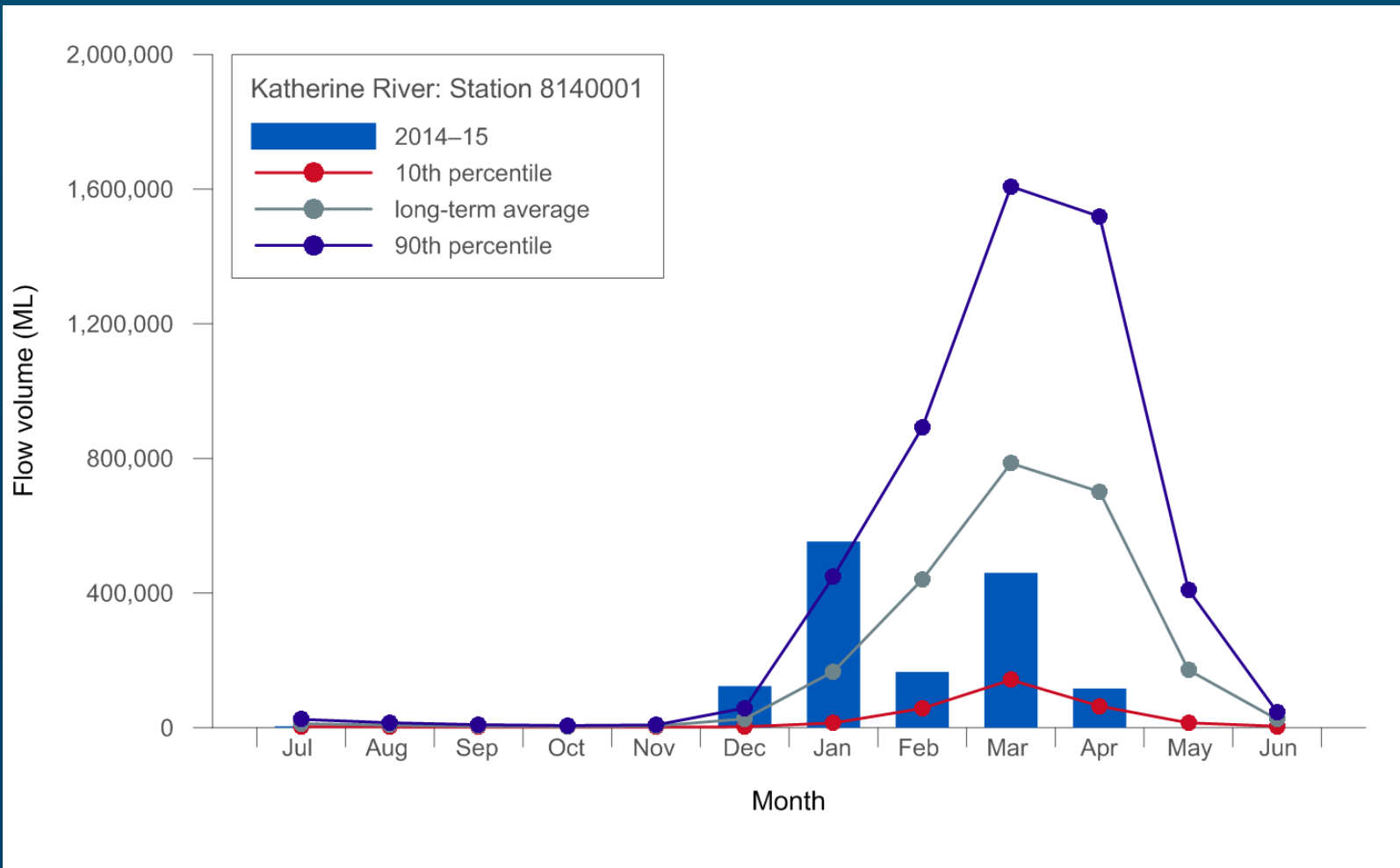
Evapotranspiration



Runoff



Runoff



Climate Context

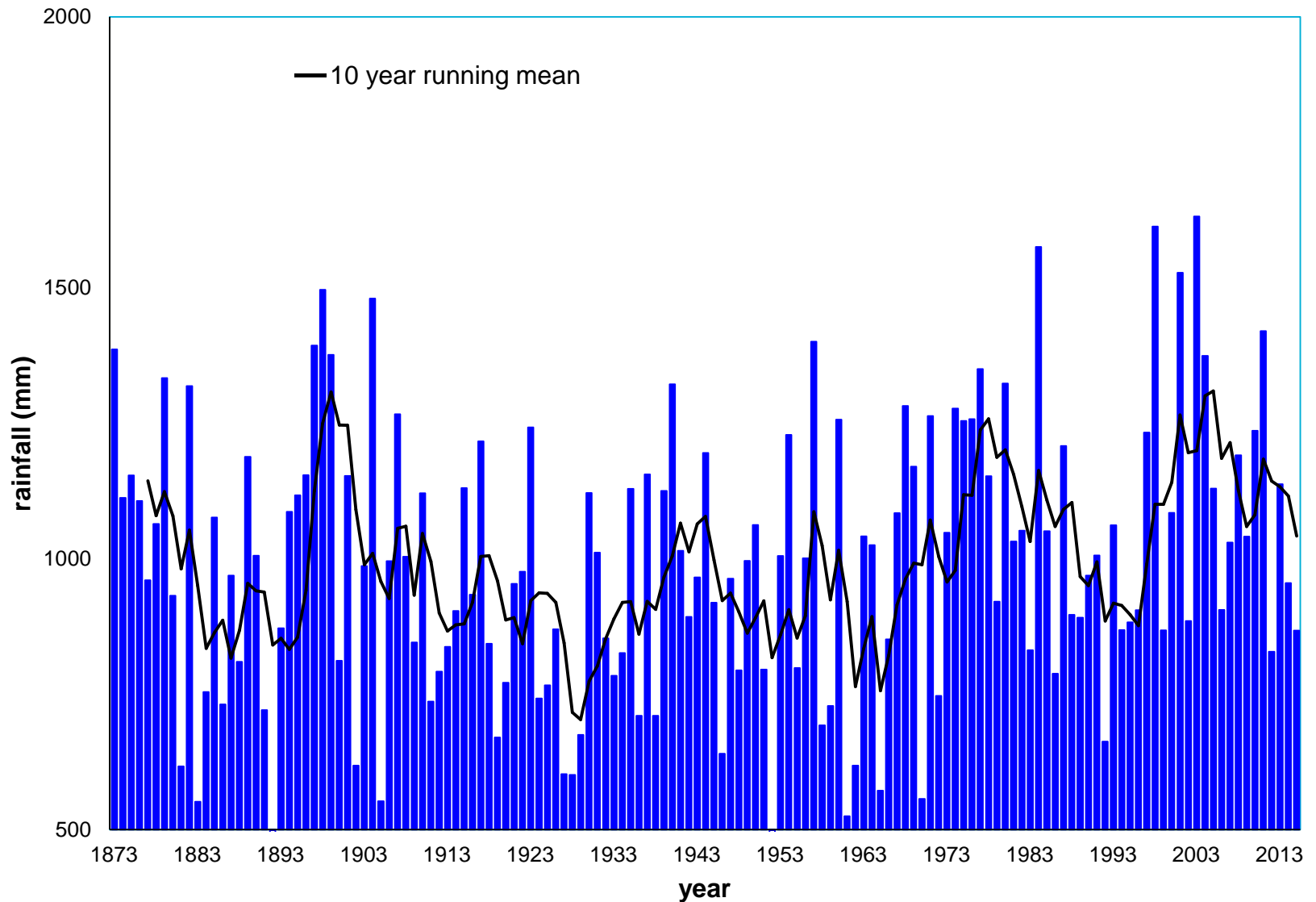


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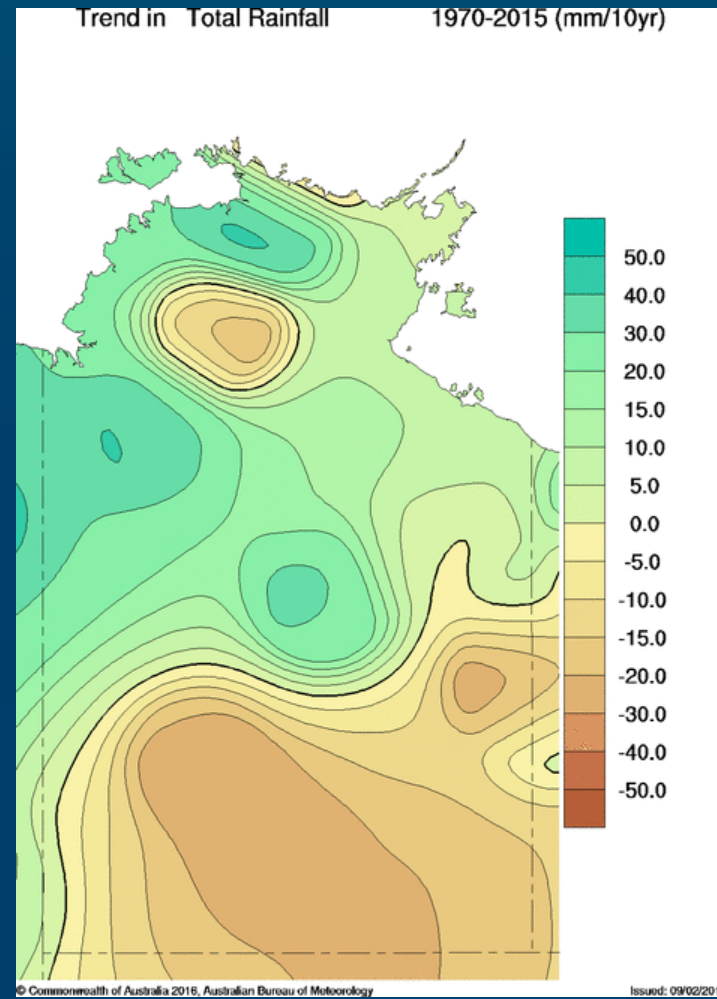
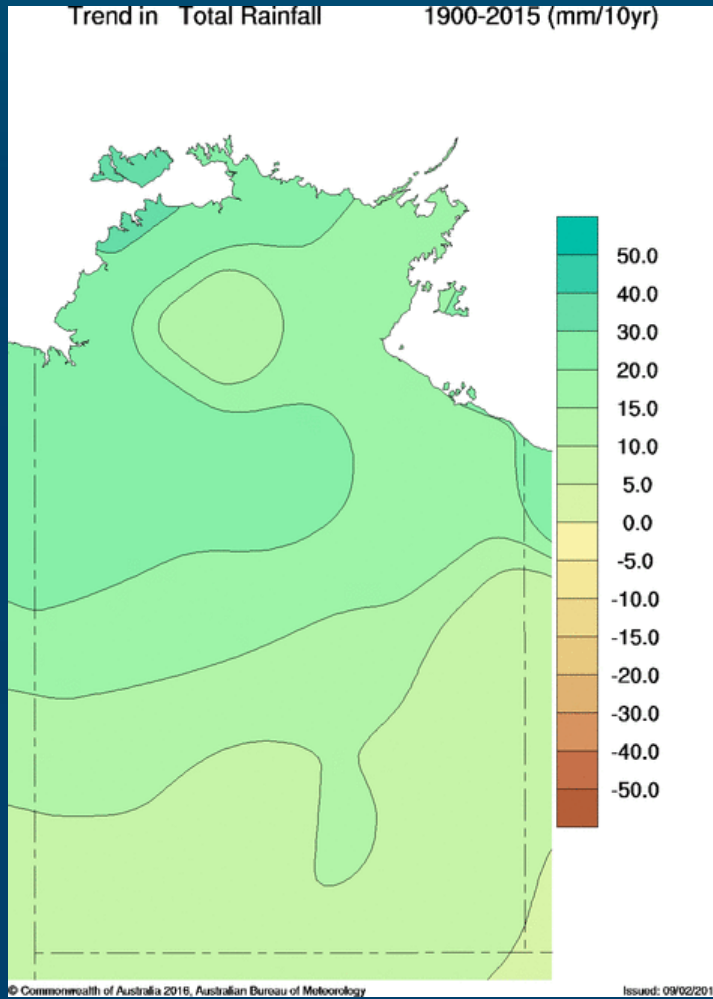


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Annual Rainfall - Katherine Council 1873-2015

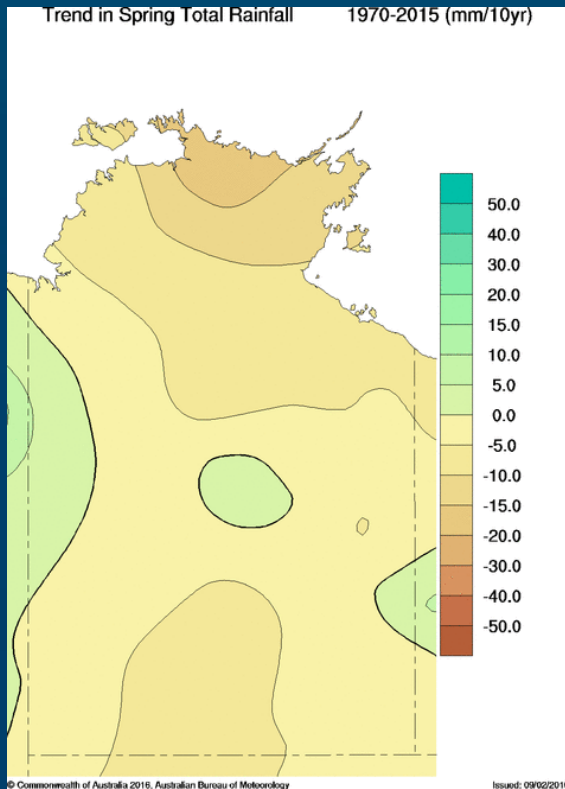


Rainfall trends - Wet Season

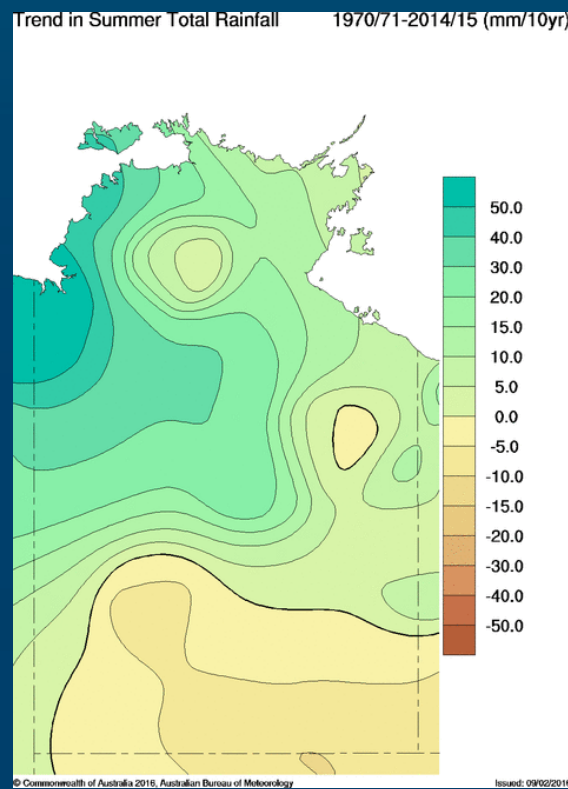


Rainfall trends

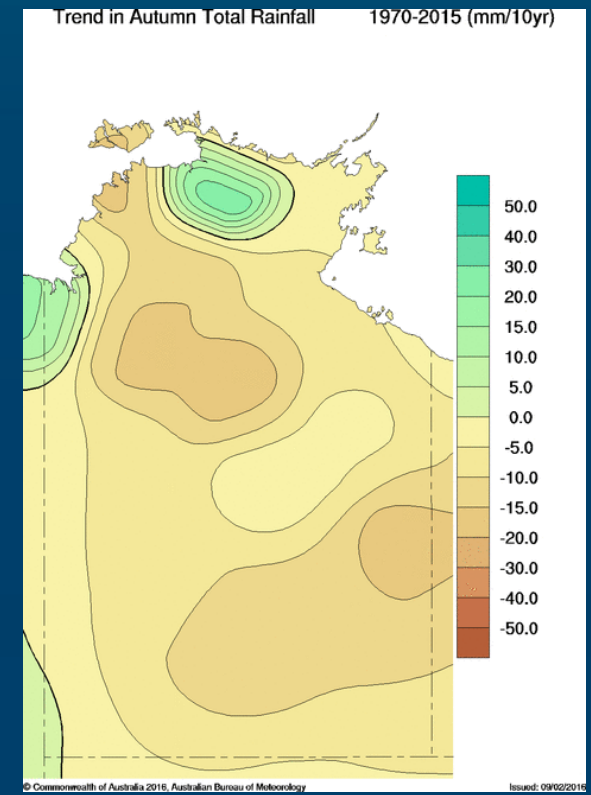
Build-up



Dec - Feb

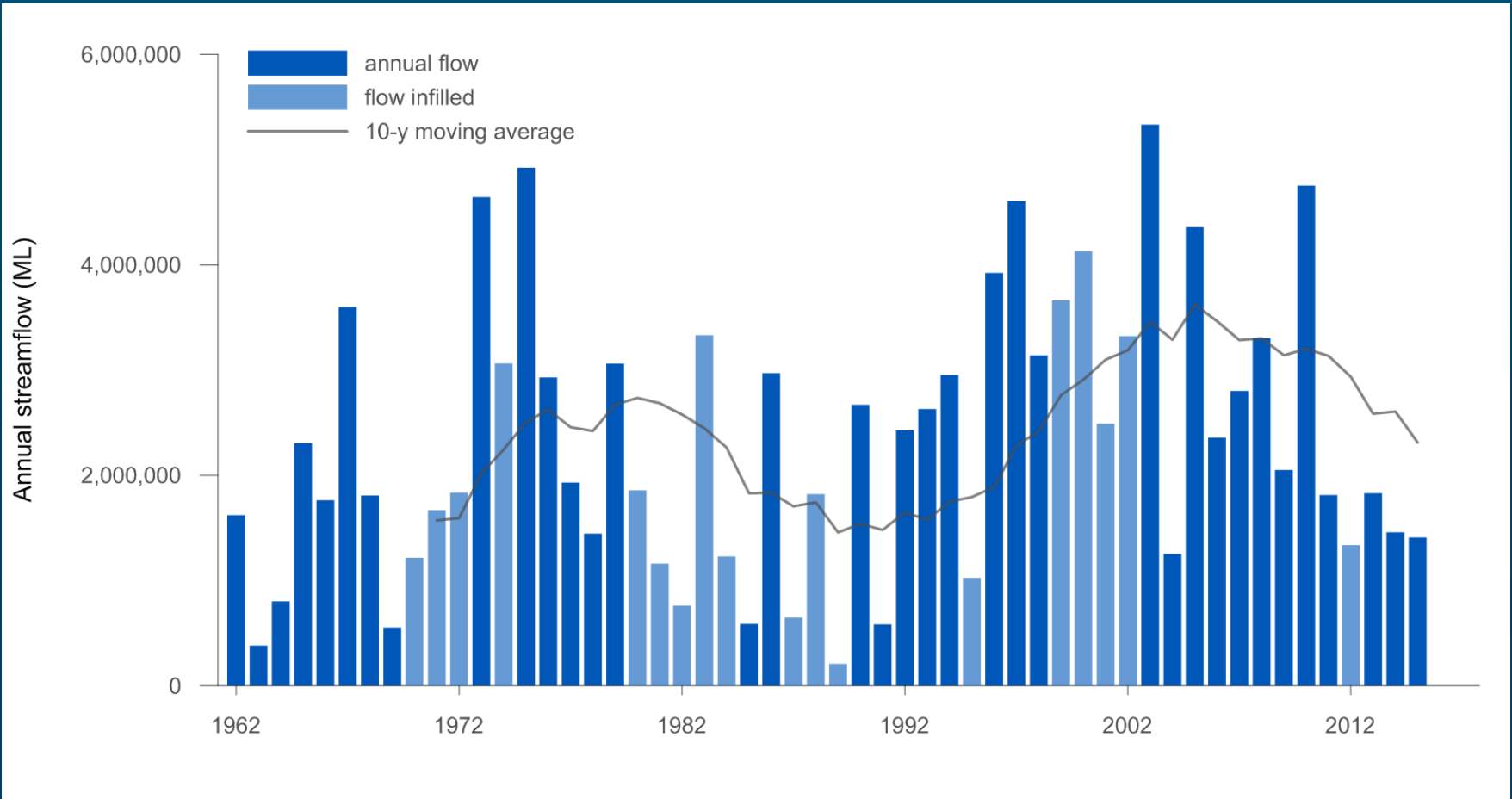


End of Wet



Runoff

Katherine: G8140001



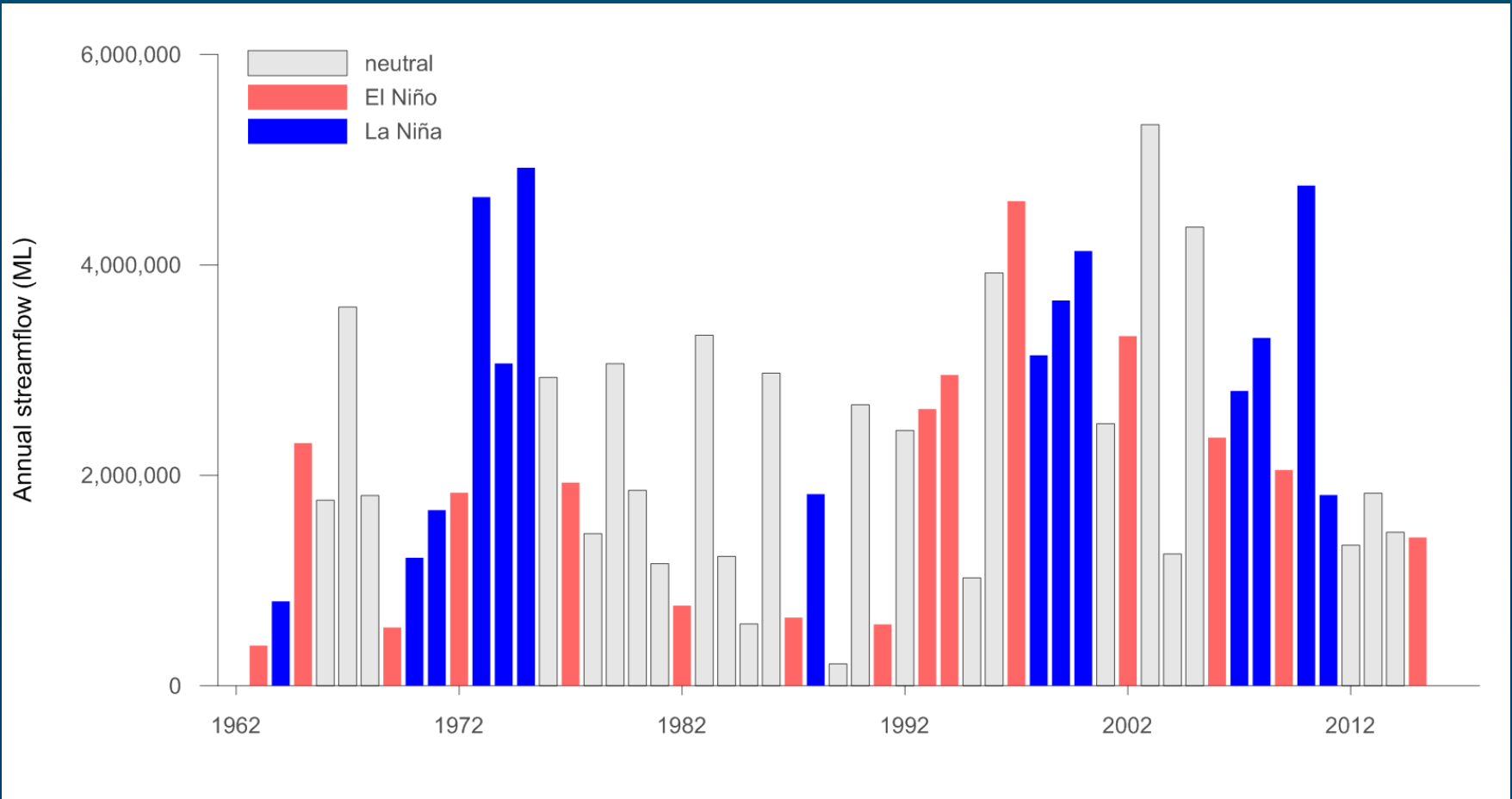
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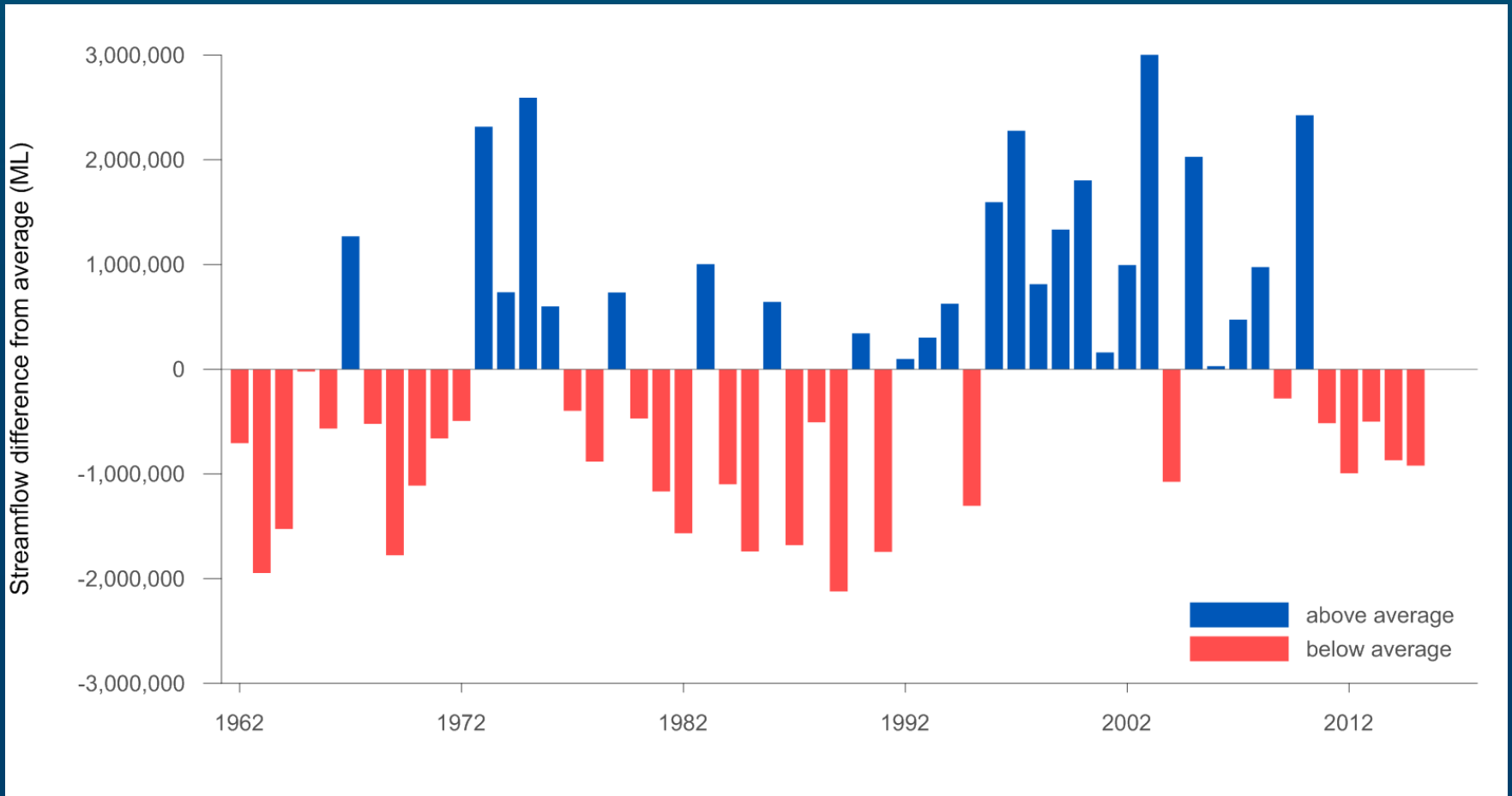
Runoff

Katherine: G8140001

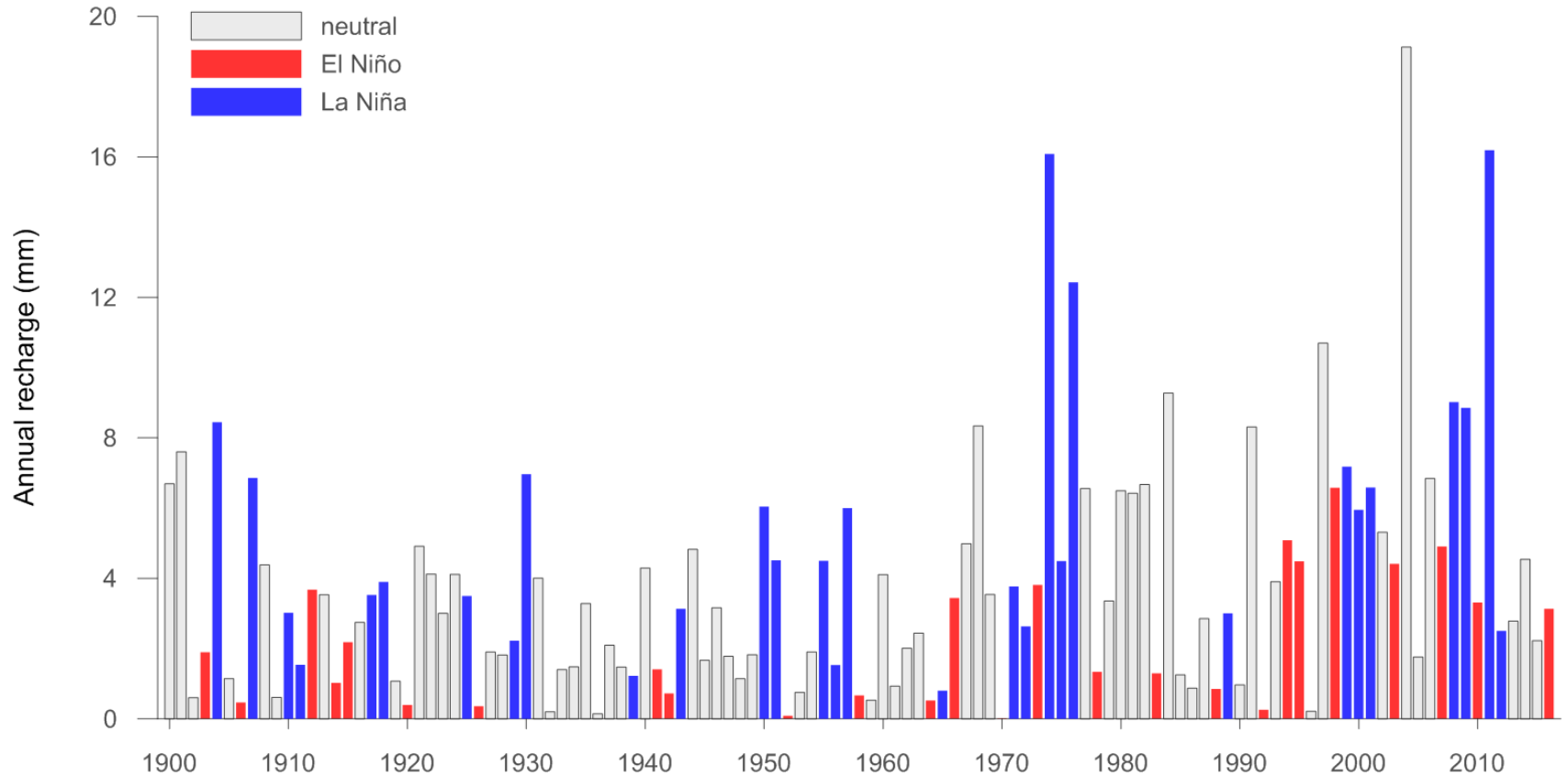


Runoff

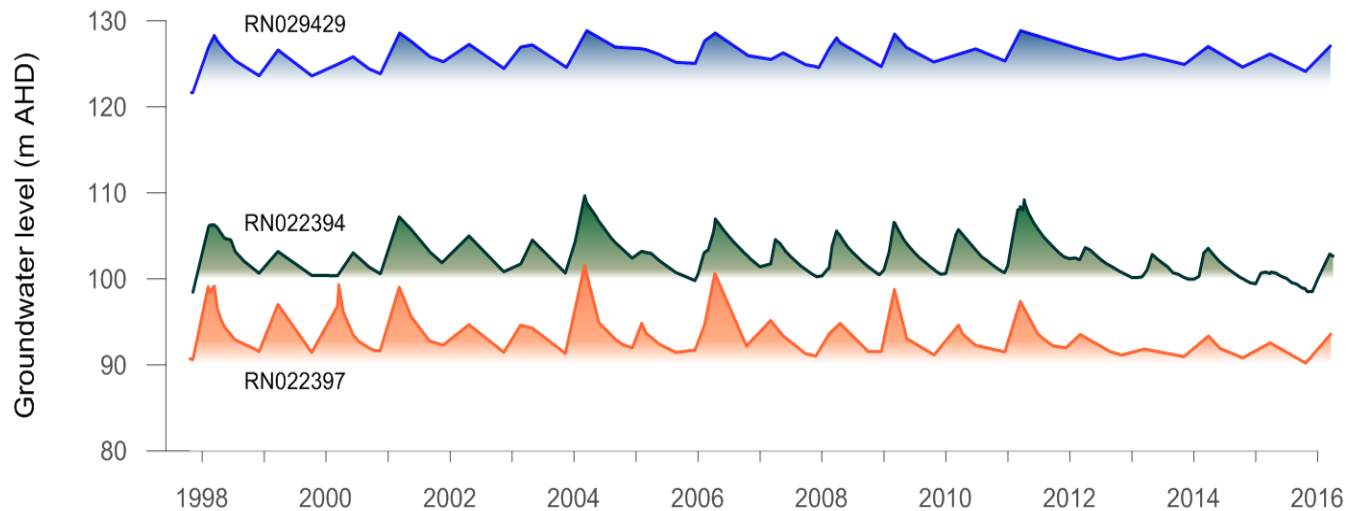
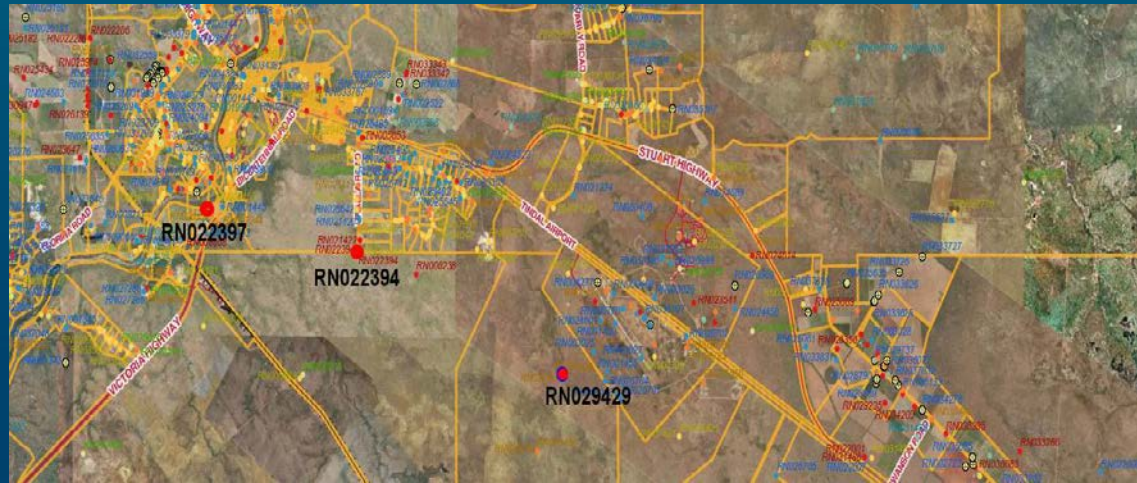
Katherine: G8140001



Recharge



Recharge



Long term Outlook



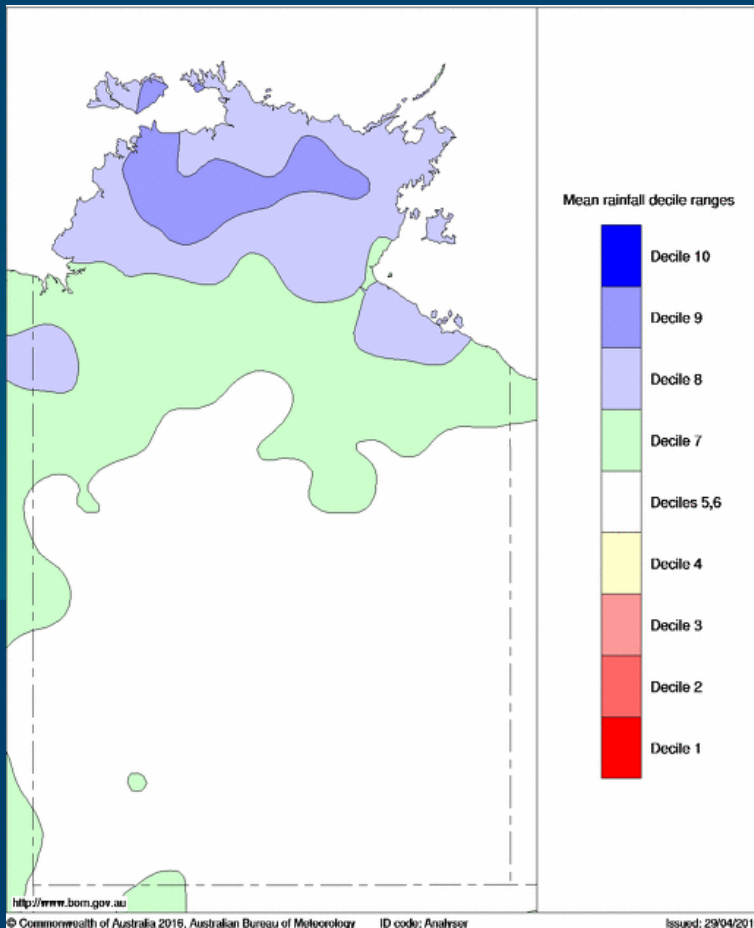
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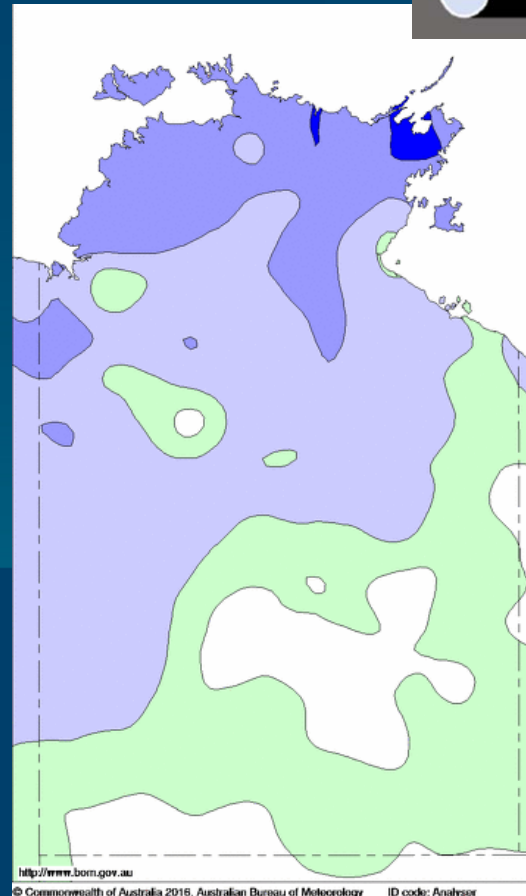
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La Niña Rainfall (following an El Niño)

Wet Season



Build-up



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Thank you

Questions?

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