



THREE-MONTH SEASONAL CLIMATE OUTLOOK STATEMENT  
**Rainfall probabilities for Winter 2003**, issued 15th May 2003

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# El Niño over: neutral winter rainfall outlook for SA

With the demise of the 2002/03 El Niño, there are improved prospects for winter rains over much of Australia, especially in the east. However it is still possible for the effects of the drought to linger for some time yet, especially in those areas where heavy winter rain is uncommon. Whilst a return of El Niño cannot be ruled out entirely, this is much less likely than either neutral or La Niña conditions. For more detail see [www.bom.gov.au/climate/enso](http://www.bom.gov.au/climate/enso).

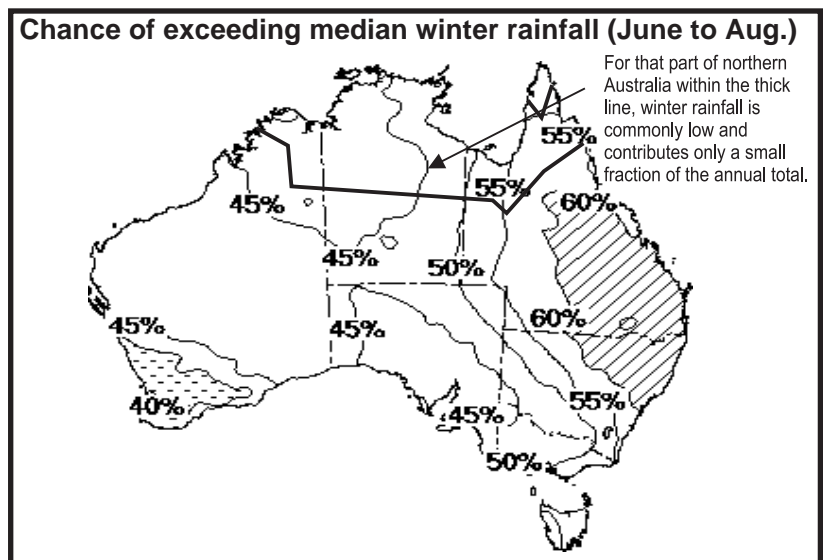
Over South Australia, the Bureau's winter rainfall outlook is inconclusive. Chances of ABOVE median rainfall for the **June to August** period are between 40 and 50% over most of SA, apart from the far northeast corner where they are a little over 50% (*see map*). So with climate patterns like the current, about 4 or 5 winters out of 10 are expected to be wetter than average in South Australia, whilst about 5 or 6 out of 10 are drier. Even though these odds are neutral, it's worth noting that they're about 10 to 20% higher in the southeast than for the equivalent outlook last year.

The overall pattern of probabilities is almost entirely a result of warmer than average temperatures in the Indian Ocean.

However, while the outlooks have strong reliability over large areas of Australia, the Bureau's winter rainfall outlooks have mainly low reliability over SA (*see background*).

## **Background Information:**

- The Outlook probabilities are based on recent Indian and Pacific Ocean temperatures. The tropical Indian and western tropical Pacific were warmer than average in April.
- Model Reliability: Strong reliability means that tests of the model on historical data show a high correlation between the most likely outlook category (above/below median) and the verifying observation (above/below median). Low reliability means the historical relationship is weak.
- April's value of the Southern Oscillation Index (SOI) was -5, two points above the March value of -7. The approximate SOI for the 30 days ending 12th May was +3.
- The Australian impacts of 23 El Niño events since 1900 are summarized on the Bureau's web site at [http://www.bom.gov.au/climate/enso/australia\\_detail.shtml](http://www.bom.gov.au/climate/enso/australia_detail.shtml).
- This outlook represents a summary. Answers to Frequently Asked Questions (FAQs) are shown on page 3.



*The national text and a colour map are on the WEB at [http://www.bom.gov.au/climate/ahead/rain\\_ahead.shtml](http://www.bom.gov.au/climate/ahead/rain_ahead.shtml).  
An online Seasonal Climate Outlook subscription service is available at <http://www.bom.gov.au/silo>.*

More information on this outlook is available from 9:00am to 5:00pm (CST) Monday to Friday by contacting the Climate and Consultancy section in the Bureau's Adelaide Office: (08) 8366 2664.