

Rural Fire Service Queensland

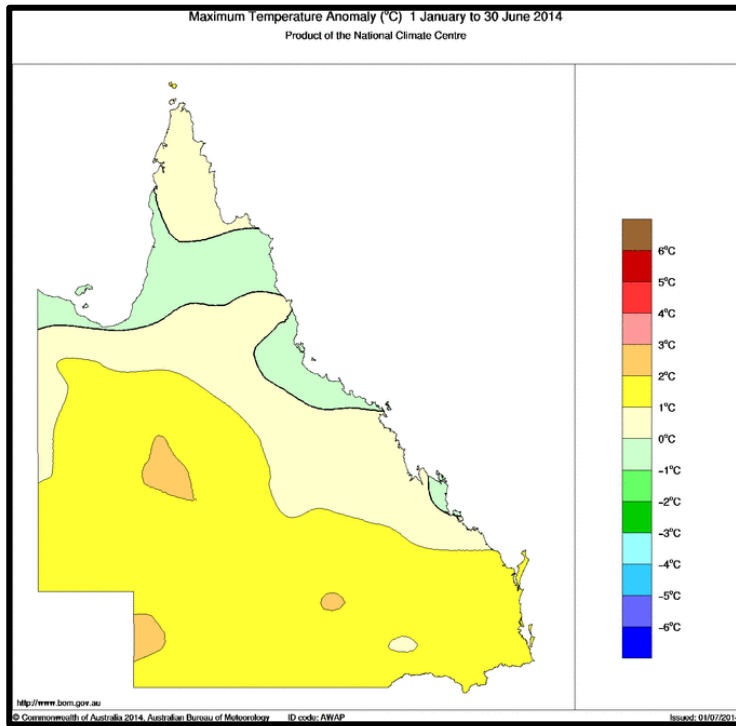
2014/2015 Pre Fire Season Workshop

Brisbane Region

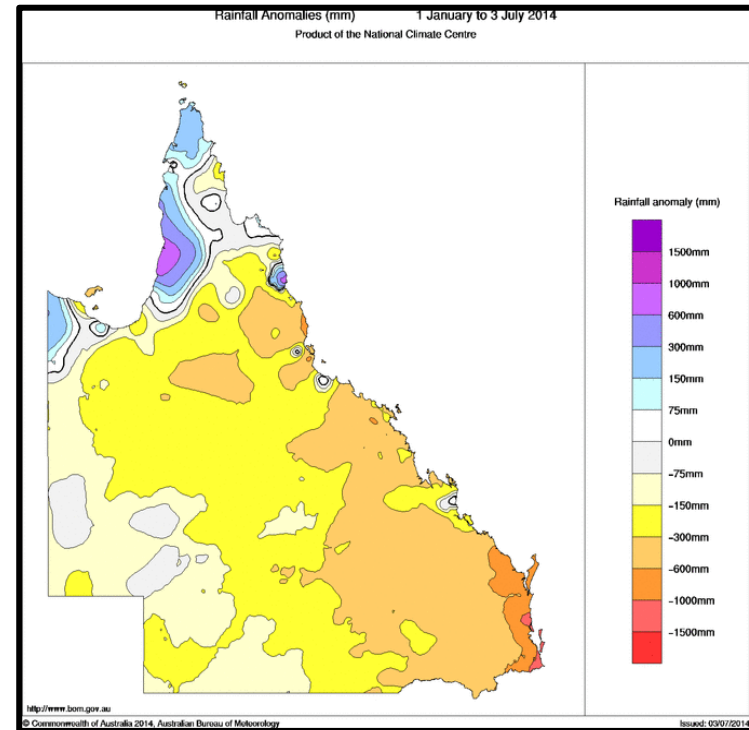
R. Lohse

Antecedent Conditions

Max temperature anomaly 6 months

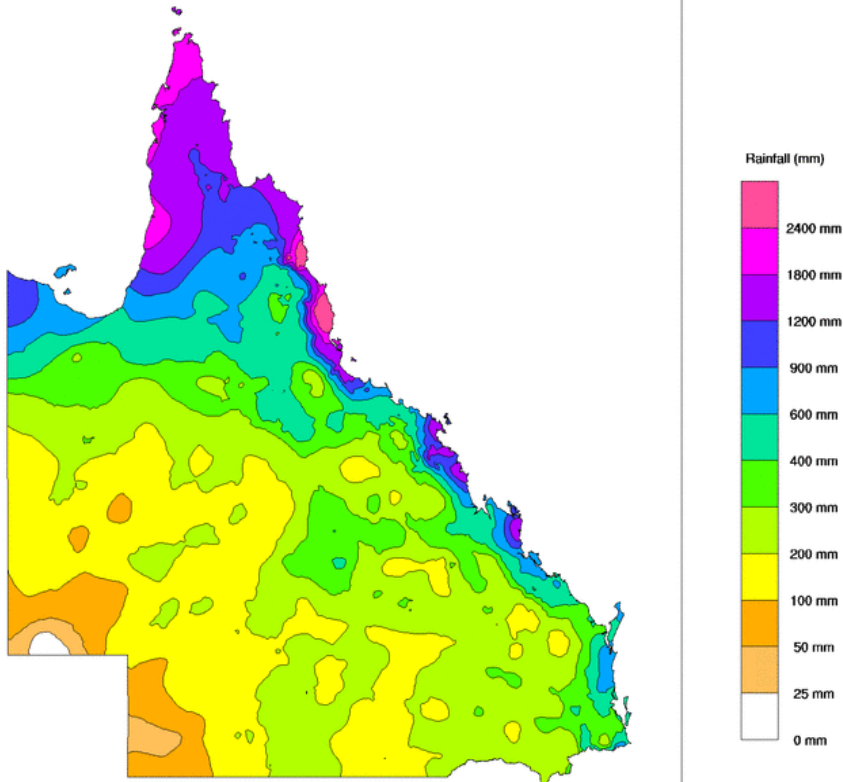


Rainfall anomaly YTD

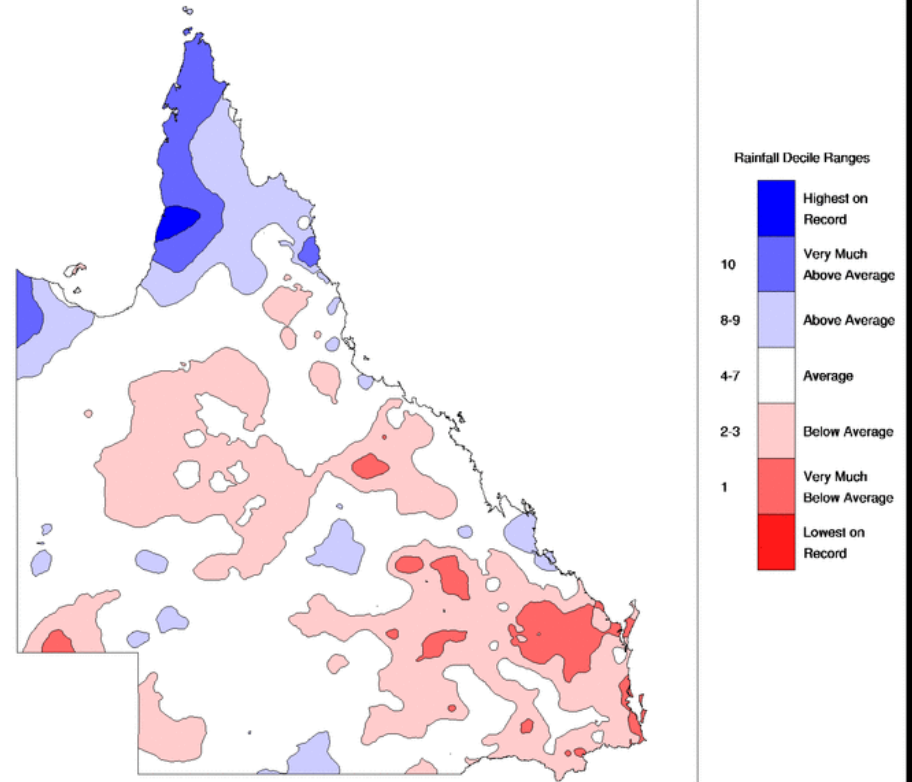


Antecedent Conditions

Queensland Rainfall Totals (mm) 1 January to 3 July 2014
Product of the National Climate Centre



Queensland Rainfall Deciles 1 January to 30 June 2014
Distribution Based on Gridded Data
Product of the National Climate Centre



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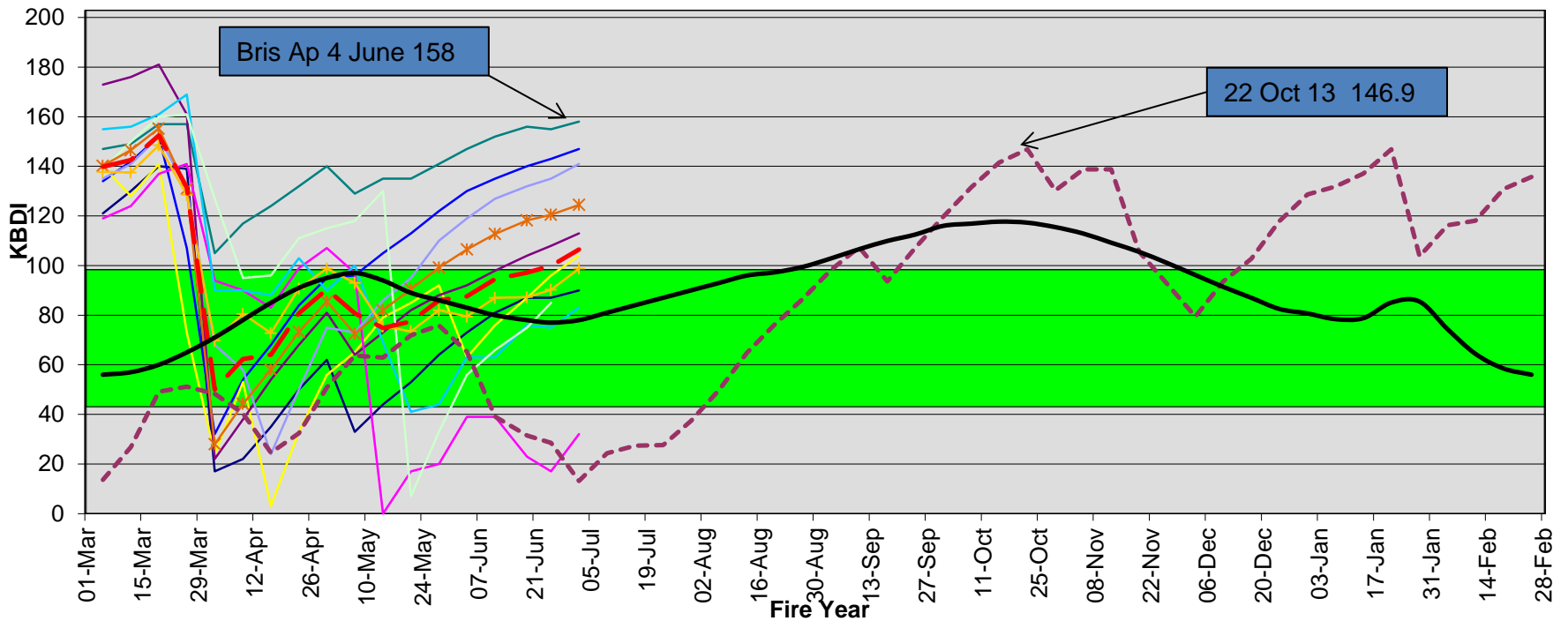
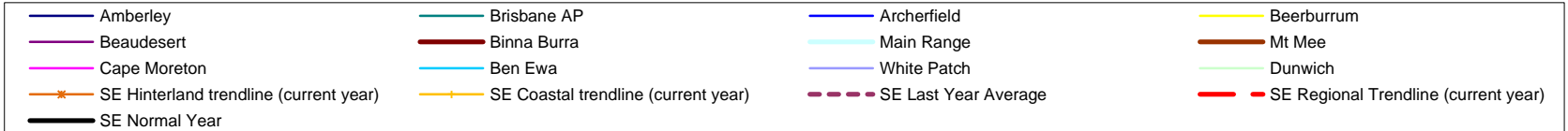
Issued: 03/07/2014

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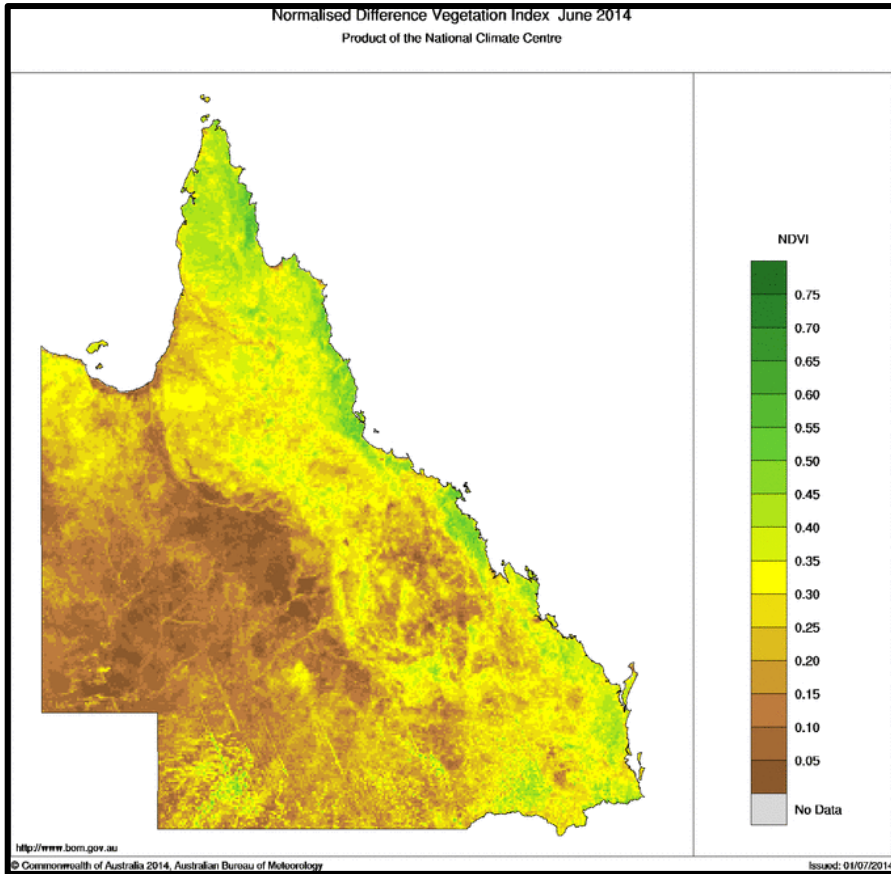
Soil Moisture

KBDI combined sources, SE 2014, BoM Region 15

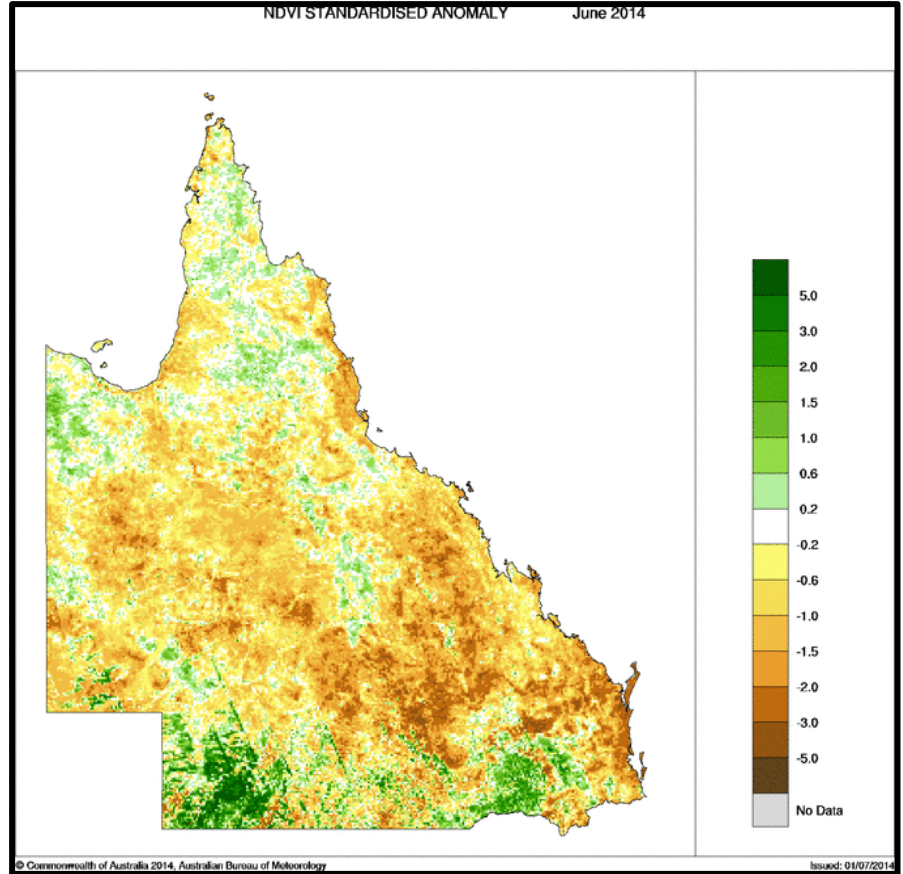


Normal Difference Vegetation Index (NDVI)

Average (30day)

















Anomaly based on (18years)

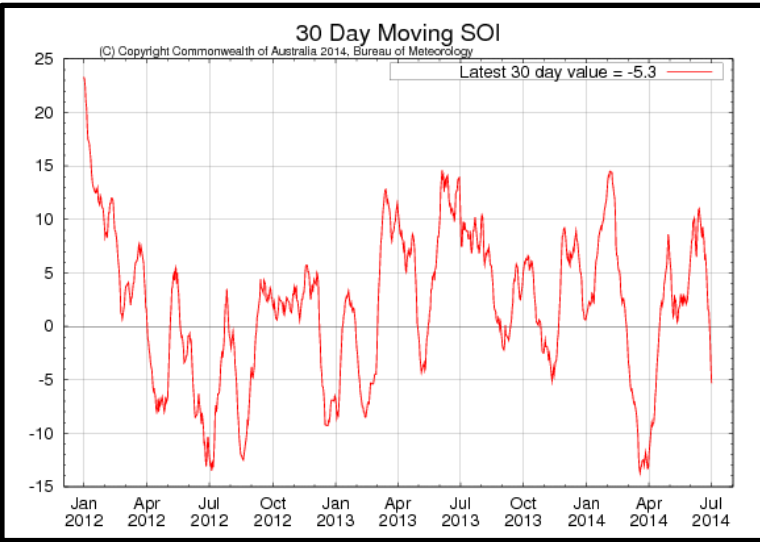
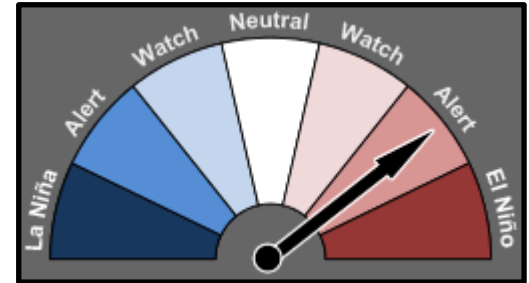


Grassland Curing

AB - Abundant (4-4.5 t/ha), M - Moderate (1.5-4 t/ha), SP - Sparse (0-1.5 t/ha)

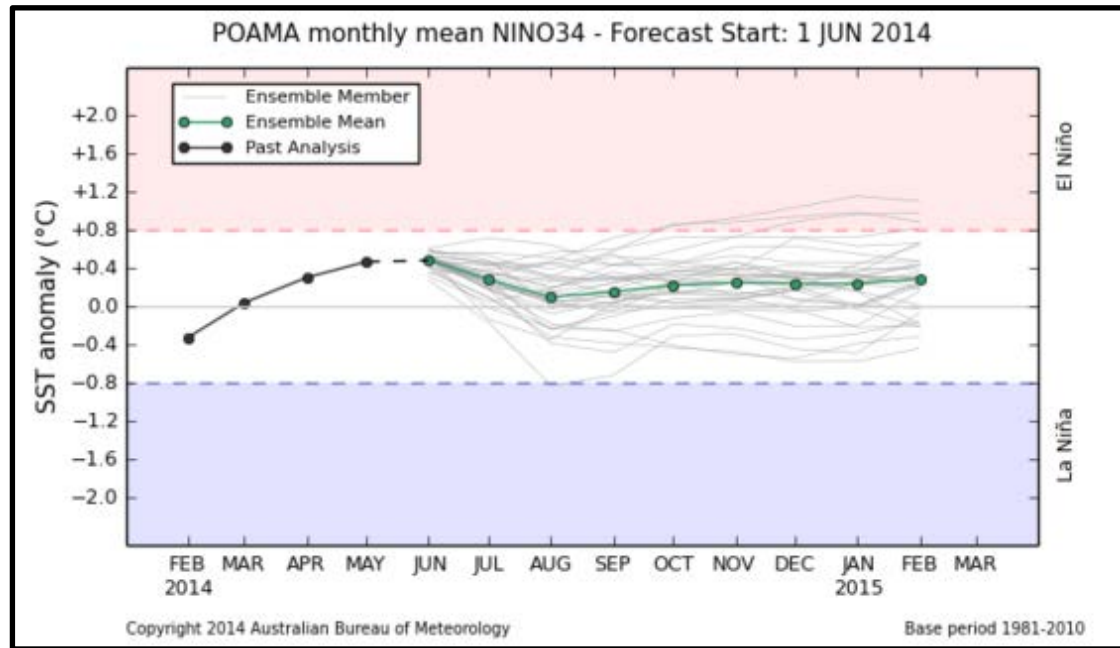
Location	02/08/2013	02/07/2014	Trend Fuel / Curing
Amberley	AB 65%	M 85%	 
Archerfield	AB 55%	M 70%	 
Beerburrum	AB 60%	M 50%	 
Brisbane	AB 40%	AB 60%	 
Noosa	AB 60%	M 50%	 
Kilcoy	AB 70%	M 70%	 
Caboolture	AB 40%	M 65%	 

ENSO



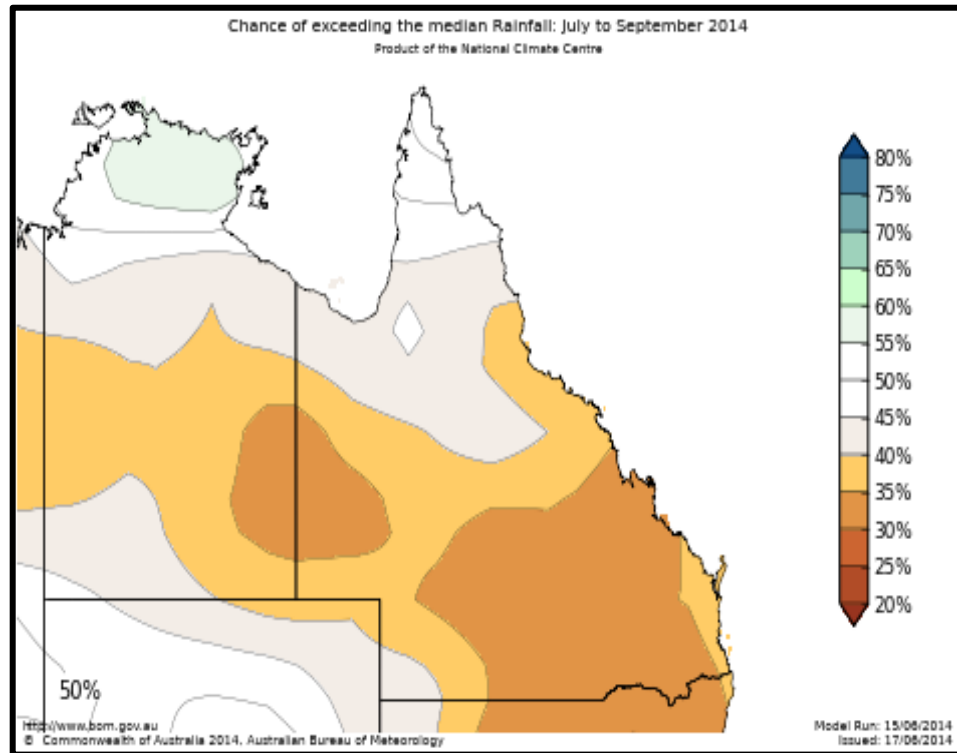
SOI -5 4th July 2014

Sea surface temperature anomaly



Outlook July - Sept

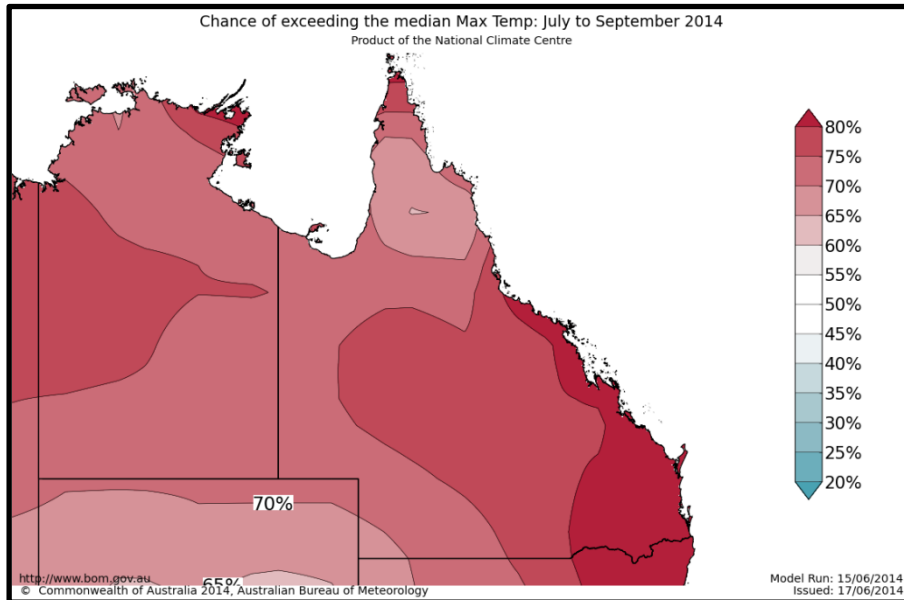
Rainfall (exceeding Median JAS)



Location	Outlook	Median	Evaptp
Amberley	80 - 90	90	120
Archerfield	80 - 90		120
Brisbane	80 - 100	109	120
Beerburrum	80 - 110	127	120
Caboolture	80 - 105		120
Kilcoy	70 - 90		120

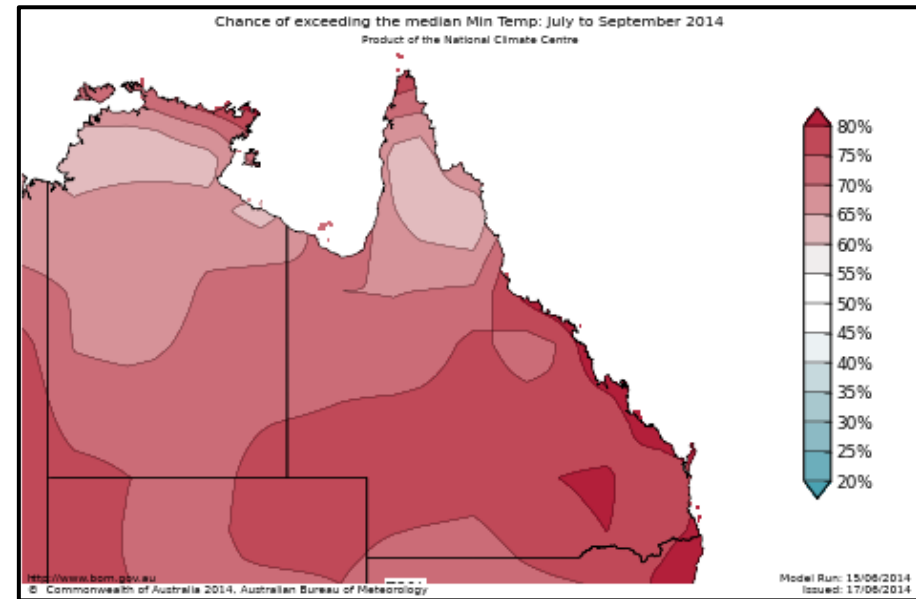
Outlook July - Sept

Median Max Temp



- Warmer Days
- Warmer Nights

Median Min Temp



Summary

- Soil conditions drying (higher than average fire season values already).
- Fuel loads 15 to 30 t/ha for untreated forest areas.
- High grassland curing values – > 60% increasing
- ENSO outlook – El Niño conditions may arise through Spring
- 35 – 40% chance of median rainfall JAS even to Nov – evapotranspiration may counteract any rainfall.
- Warmer days and nights – drying fuel out – overnight fires may burn freely.
- Prescribed burn opportunities varying – late evening night options accommodate fuel moisture.
- May have a mid to late August start over western areas (Bribie Is and nearby mainland areas of concern).
- Fire season duration could extend. (ENSO models provide strong signals).