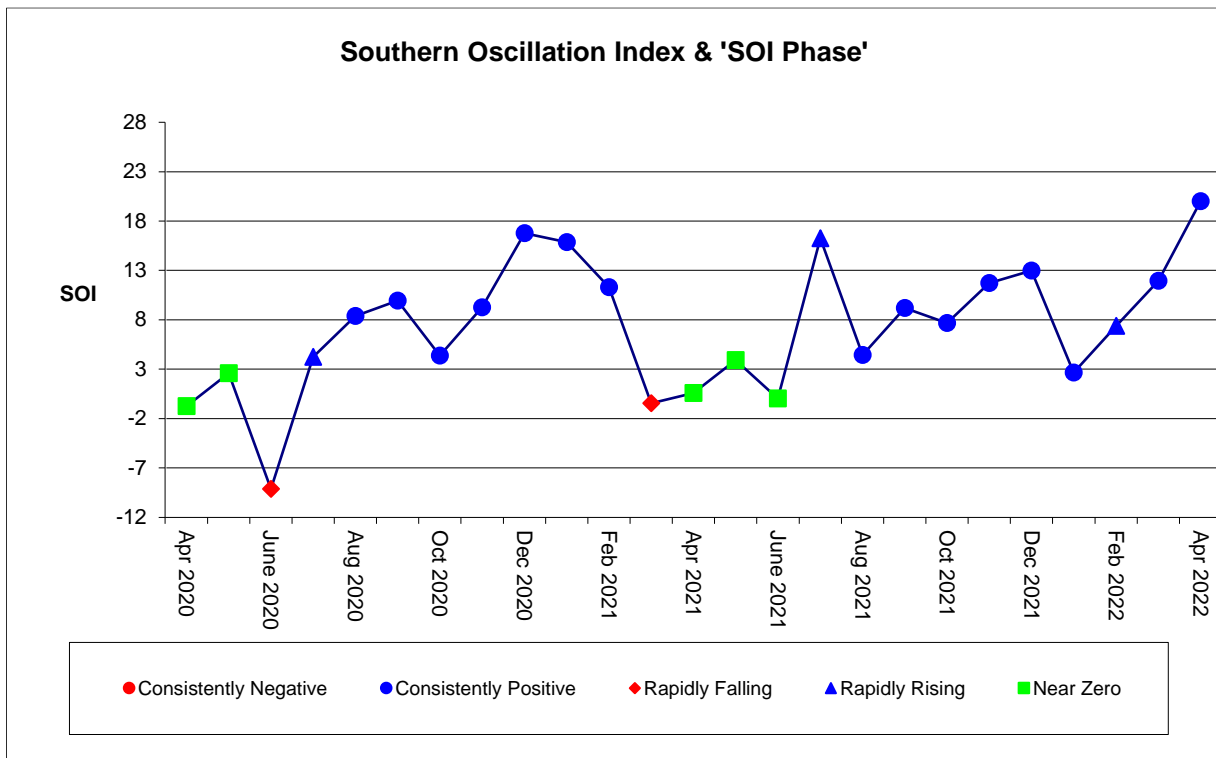


## Climate Outlook May - June 2022

### SOI TRACKER:

The monthly average SOI for April was positive 20.01 (+20.01) compared to positive 11.93 (+11.93) in March. Therefore the SOI phase for April came out as "Consistently Positive".

	SOI VALUE	SOI PHASE
End of May 2021	3.9	"Consistently Near Zero"
End of June 2021	0.04	"Consistently Near Zero"
End of July 2021	16.26	"Rapidly Rising"
End of August 2021	4.43	"Consistently Positive"
End of September 2021	9.19	"Consistently Positive"
End of October 2021	7.66	"Consistently Positive"
End of November 2021	11.73	"Consistently Positive"
End of December 2021	12.99	"Consistently Positive"
End of January 2022	2.65	"Consistently Positive"
End of February 2022	7.39	"Rapidly Rising"
End of March 2022	11.93	"Consistently Positive"
End of April 2022	20.01	"Consistently Positive"



### RAINFALL OUTLOOK

- Median rainfall for May-June at Macknade is equal to 140.0 mm.
- Based on the new SOI phase, we have calculated the chance of exceeding median rainfall for May-June for the Herbert region to be 43%. (A 50% chance is what would be considered the 'normal chance' of experiencing above median rainfall).
- The Upper Quartile (top quartile of rainfall) for May-June at Macknade is equal to 220.8 mm.
- Based on past rainfall events over a period of more than 110 years, the chance of experiencing excessively high rainfall (i.e. rainfall greater than the upper quartile) is equal to 20%. (25% chance is what would be considered the 'normal chance' of experiencing excessively high rainfall.)

## Climate Outlook May - June 2022

### MAY-JUNE RAIN OUTLOOK FOR INGHAM IN DETAIL:

Since 1892 when rainfall records commenced at Macknade, there have been 30 occasions when the SOI phase at the end of April was “Consistently Positive”. These years were:

1892 1898 1899 1901 1902 1903 1910 1917 1921 1923 1925 1927  
 1928 1931 1935 1939 1950 1956 1959 1960 1963 1971 1974 1975  
 2000 2006 2008 2011 2013 2018

During those 30 years, total rainfall for May-June exceeded the median 13 times. Therefore the chance of exceeding median rainfall for May-June is  $13/30 = 43\%$ .

A high amount of rainfall (i.e. rain greater than 220.8 mm) resulted 6 times. So the chance of high rainfall is equal to  $6/30 = 20\%$ .

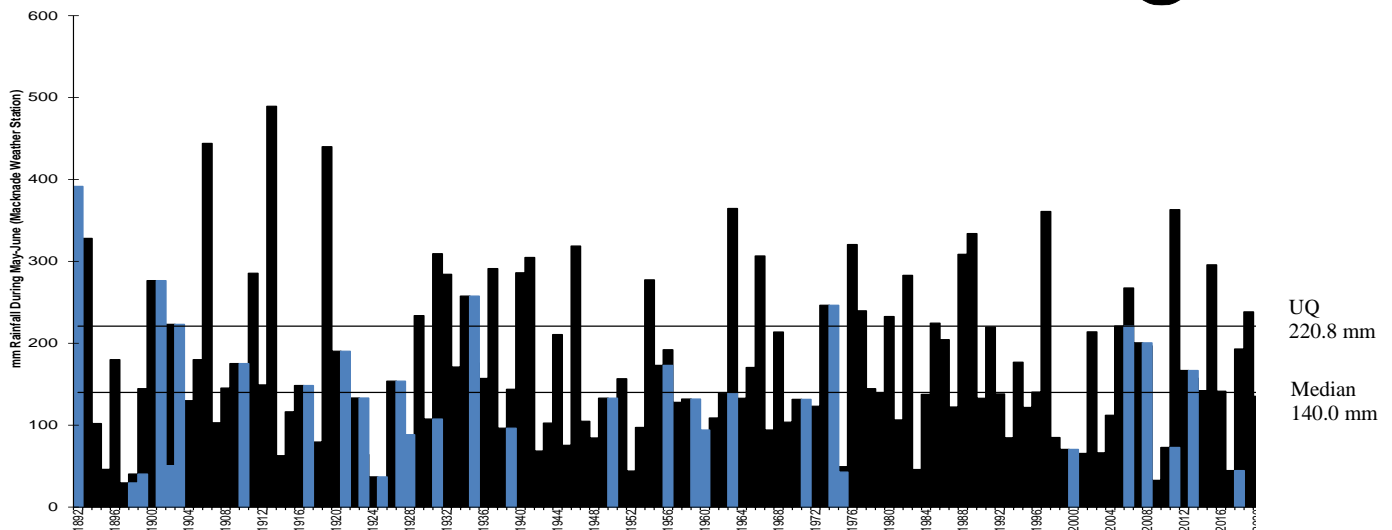
There have been 30 years when the SOI phase at the end of April was in a Consistently Positive phase (coloured Bars)

In 13 of those years the rainfall during May-Jun exceeded the median.

The chance that the Rainfall during May-Jun will exceed the median =  $13/30 = 43\%$

In 6 of those years the Rainfall during May-Jun exceeded the Upper Quartile.

The chance that the Rainfall during May-Jun will exceed the Upper Quartile =  $6/30 = 20\%$



### Comparison to Last Year

	May - June 2022	May - June 2021
SOI Phase	Consistently Positive	Consistently Near Zero
Chance of above median rainfall	43%	46%
Chance of excessively high rainfall	20%	29%

For information on sea surface temperatures and general climate information, please see <http://www.longpaddock.qld.gov.au> and <http://www.bom.gov.au/climate/ahead>.

#### Disclaimer:

The seasonal climate forecasting information provided in this document is presented for the purposes of raising awareness of the potential value of seasonal climate forecasting information and should be considered as a guideline only. The user assumes all risk for any liabilities, expenses, losses, damages and costs resulting directly or indirectly from the use of the climatic forecast information.