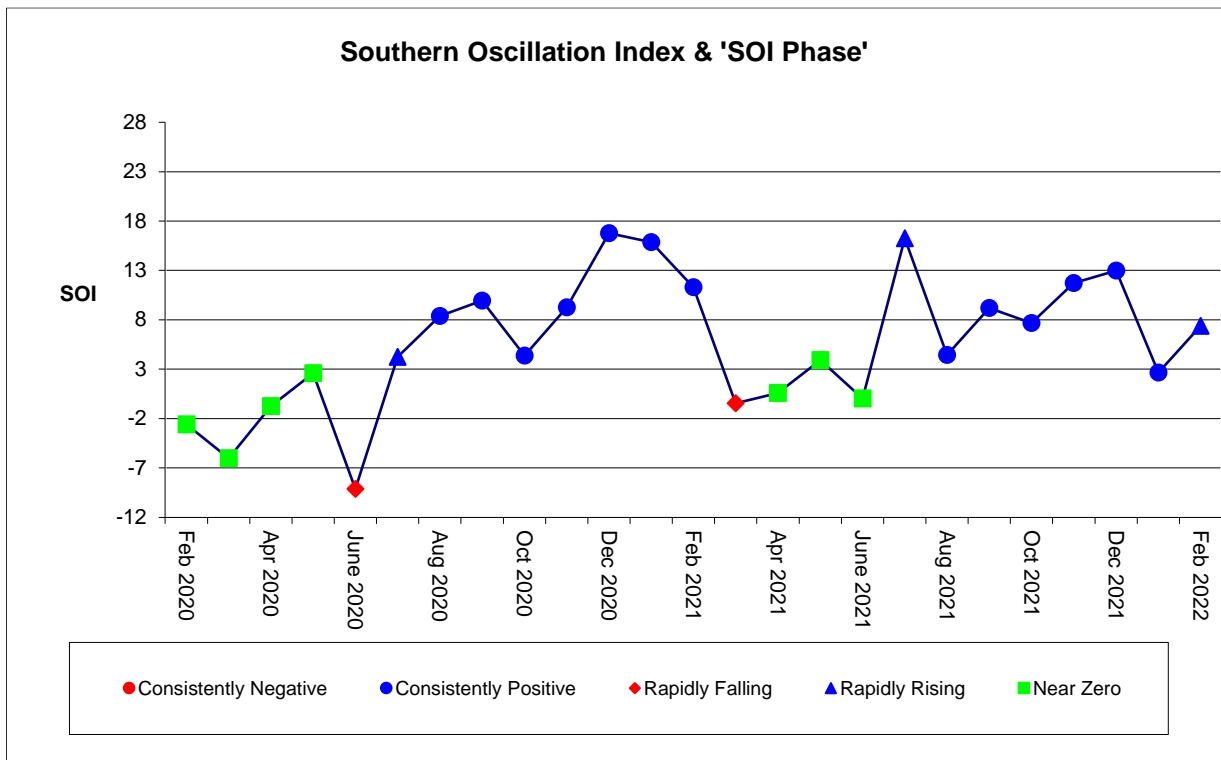


Climate Outlook March - April 2022

SOI TRACKER:

The monthly average SOI for February was positive 7.39 (+7.39) compared to positive 2.65 (+2.65) in January. Therefore the SOI phase for February came out as "Rapidly Rising".

	SOI VALUE	SOI PHASE
End of March 2021	-0.46	"Rapidly Falling"
End of April 2021	0.58	"Consistently Near Zero"
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"



RAINFALL OUTLOOK

- Median rainfall for March-April at Macknade is equal to 563.3 mm.
- Based on the new SOI phase, we have calculated the chance of exceeding median rainfall for March - April for the Herbert region to be 56%. (A 50% chance is what would be considered the 'normal chance' of experiencing above median rainfall).
- The Upper Quartile (top quartile of rainfall) for March-April at Macknade is equal to 865.8 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 32%. (25% chance is what would be considered the 'normal chance' of experiencing excessively high rainfall.)

Climate Outlook March - April 2022

MARCH-APRIL RAIN OUTLOOK FOR INGHAM IN DETAIL:

Since 1892 when rainfall records commenced at Macknade, there have been 25 occasions when the SOI phase at the end of February was “Rapidly Rising”. These years were:

1910 1914 1924 1925 1928 1933 1944 1946 1949 1950 1955 1961
 1965 1968 1971 1975 1977 1979 1984 1985 1997 2000 2002 2004
 2015

During those 25 years, total rainfall for March-April exceeded the median 14 times. Therefore the chance of exceeding median rainfall for March-April is $14/25 = 56\%$.

A high amount of rainfall (i.e. rain greater than 865.8 mm) resulted 8 times. So the chance of high rainfall is equal to $8/25 = 32\%$.

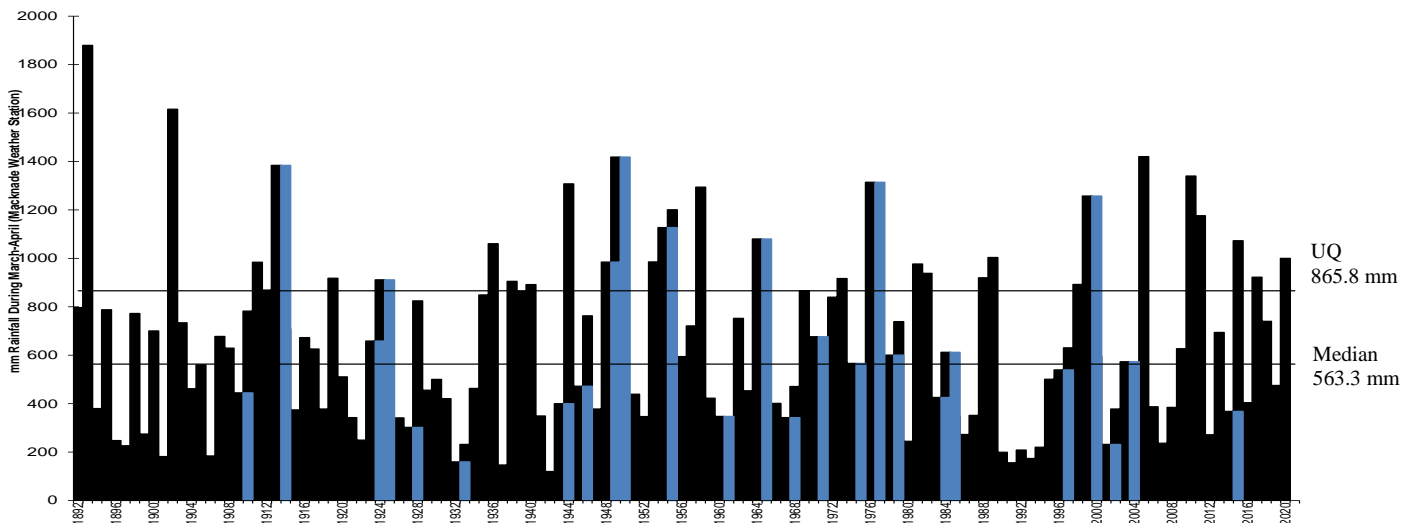
There have been 25 years when the SOI phase at the end of February was in a Rapidly Rising phase (coloured Bars)

In 14 of those years the rainfall during Mar-Apr exceeded the median.

The chance that the Rainfall during Mar-Apr will exceed the median = $14/25 = 56\%$

In 8 of those years the Rainfall during Mar-Apr exceeded the Upper Quartile.

The chance that the Rainfall during Mar-Apr will exceed the Upper Quartile = $8/25 = 32\%$



Comparison to Last Year

	Mar - Apr 2022	Mar - Apr 2021
SOI Phase	Rapidly Rising	Consistently Positive
Chance of above median rainfall	56%	59%
Chance of excessively high rainfall	32%	31%

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.