

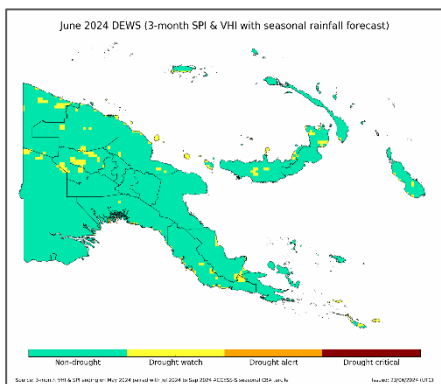
Key messages

Issued 28/06/2024

NCD continues to be on Drought Watch with moderate to severe vulnerability levels. Almost all provinces have received enough rainfall in the past months easing drought conditions at the 3 months timescale. Both El Niño–Southern Oscillation (ENSO) and an IOD remains at neutral conditions. MJO is currently weak, however may possibly strengthen over Maritime continent.

Drought Early Warning Status (DEWS)

Derived from observed 3-month rainfall and vegetation health, along with 3-month forecasted rainfall.



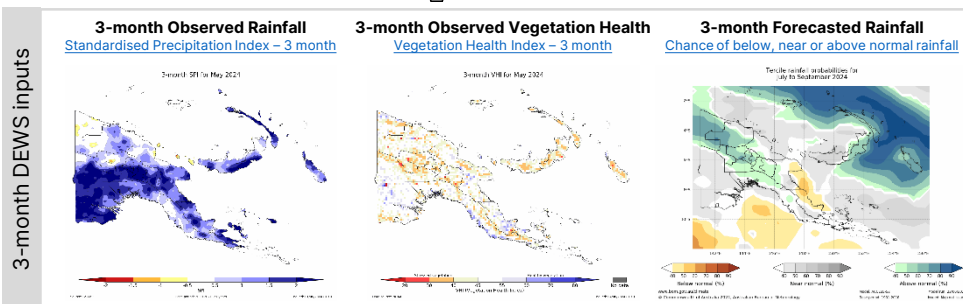
- Drought watch conditions continue for NCD at 3-month timescales.
- Most provinces have experienced wetter conditions in the last month.
- Almost all provinces have received enough rainfall in the past months easing drought conditions at the 3 months timescale.
- At the 12-month timescale, rainfall deficiencies remain in parts of Morobe, West Sepik and Hela provinces. Long term deficiencies may likely affect rainfall despite recent amounts received.

3-month timescale provincial summary

(A province's overall status is given by its majority status on the map and is presented in this [summary table](#))

● Drought Watch	● Drought Alert	● Drought Critical
Below average rainfall or Stressed vegetation or Dry forecast	(Below average rainfall or Stressed vegetation) and Dry forecast	Below average rainfall and Stressed vegetation and Dry forecast
NCD	No Province	No Provinces

click to enlarge



Links to other timescales:

- [1-month Drought Early Warning Status](#)
Drought early warning status using 1-month rainfall, 1-month vegetation health and 3-month rainfall forecast.
- [1-month Standardised Precipitation Index](#)
Rainfall over the last month.
- [1-month Vegetation Health Index](#)
Vegetation health over the last month.
- [6-month Drought Early Warning Status](#)
Drought early warning status using 6-month rainfall, 6-month vegetation health and 3-month rainfall forecast.
- [6-month Standardised Precipitation Index](#)
Rainfall over the last 6 months.
- [6-month Vegetation Health Index](#)
Vegetation health over the last 6 months.

Provinces at Risk if Drought Occurs

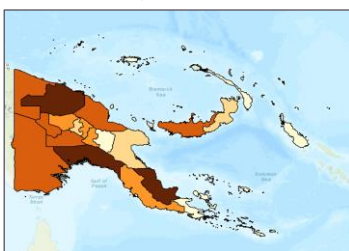
Contextualise drought early warning information with drought risk information.

Drought risk is the probability of harmful impacts resulting from interactions between drought hazard, exposure, and vulnerability. Hazard information is given by the Early Warning Status, with drought exposure and vulnerability levels shown in the maps below.

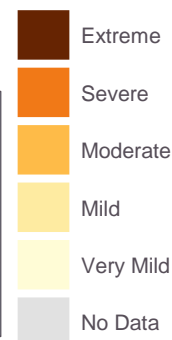
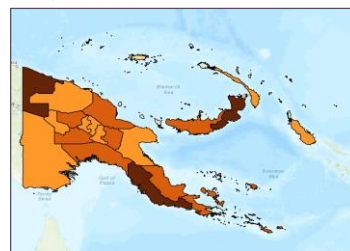
Provinces of concern:

- NCD has a majority Drought Watch status with Moderate exposure levels and Severe vulnerability levels.
- Risk levels have reduced in most of the concern provinces that were high risk during last month's update.

Exposure - Extent of exposed aspects of the total population and its livelihoods in an area which drought may occur.



Vulnerability - Likelihood of exposed factors to suffer negative impacts when drought occurs.



Climate Context

A summary of the relevant climate drivers affecting PNG over the coming months

- ACCESS-S rainfall outlook for July and July to September is likely to be above normal over Islands region including Bougainville, East Sepik and West Sepik. In all other parts of PNG, the outlook indicates similar chances for above normal, normal and below normal rainfall.
- El Niño–Southern Oscillation (ENSO) is currently neutral. Sea surface temperatures (SSTs) in the central Pacific have been steadily cooling since December 2023. Climate models suggest ENSO neutral to continue in the next few months.
- An Indian Ocean Dipole (IOD) remains at neutral conditions. Most climate models indicate neutral IOD to continue in the next one or two months with a low confidence level.
- The MJO is currently weak and is expected to remain weak in the one to two weeks. However the MJO may possibly strengthen over the Maritime continent.