

Chuuk
Federated States of Micronesia

Early Action Rainfall Watch

Issued: 06/17/2026

Current El Niño-Southern Oscillation (ENSO) status:

ENSO Alert System Status: El Niño Advisory

Synopsis: **El Niño** conditions are present and expected to strengthen into the Northern Hemisphere winter 2026-27.

Status Summary to May 2026:

Last month, very wet conditions existed in the entire Chuuk region.

At the 3-month timescale, very wet conditions existed in the entire Chuuk region except for Pulusuk island where no extremely wet or extremely dry conditions were present.

At the 6-month timescale, very wet conditions existed in the entire Chuuk region.

At the 12-month timescale, very wet conditions existed in the entire Chuuk region except for Pulusuk island where no extremely wet or extremely dry conditions were present.

Outlook summary:

There is a high chance of very wet conditions expected for the Hall islands during July, 2026. For Namonuito, Chuuk Lagoon, Pulap, and the Mortlock Islands, a medium chance of very wet conditions exists. For Pulusuk, the rainfall is expected to be near normal during the same period.

For the July to September 2026 season, there is a medium chance of very wet conditions expected for the Hall Islands. The confidence for wet conditions in this forecast is high. For Namonuito, Chuuk Lagoon, Pulap, and the Mortlock Islands, there is a medium chance to very dry conditions. There is a high chance of very dry conditions expected for Pulusuk during the same period. The confidence for dry conditions in this forecast is moderate to high.

Impacts

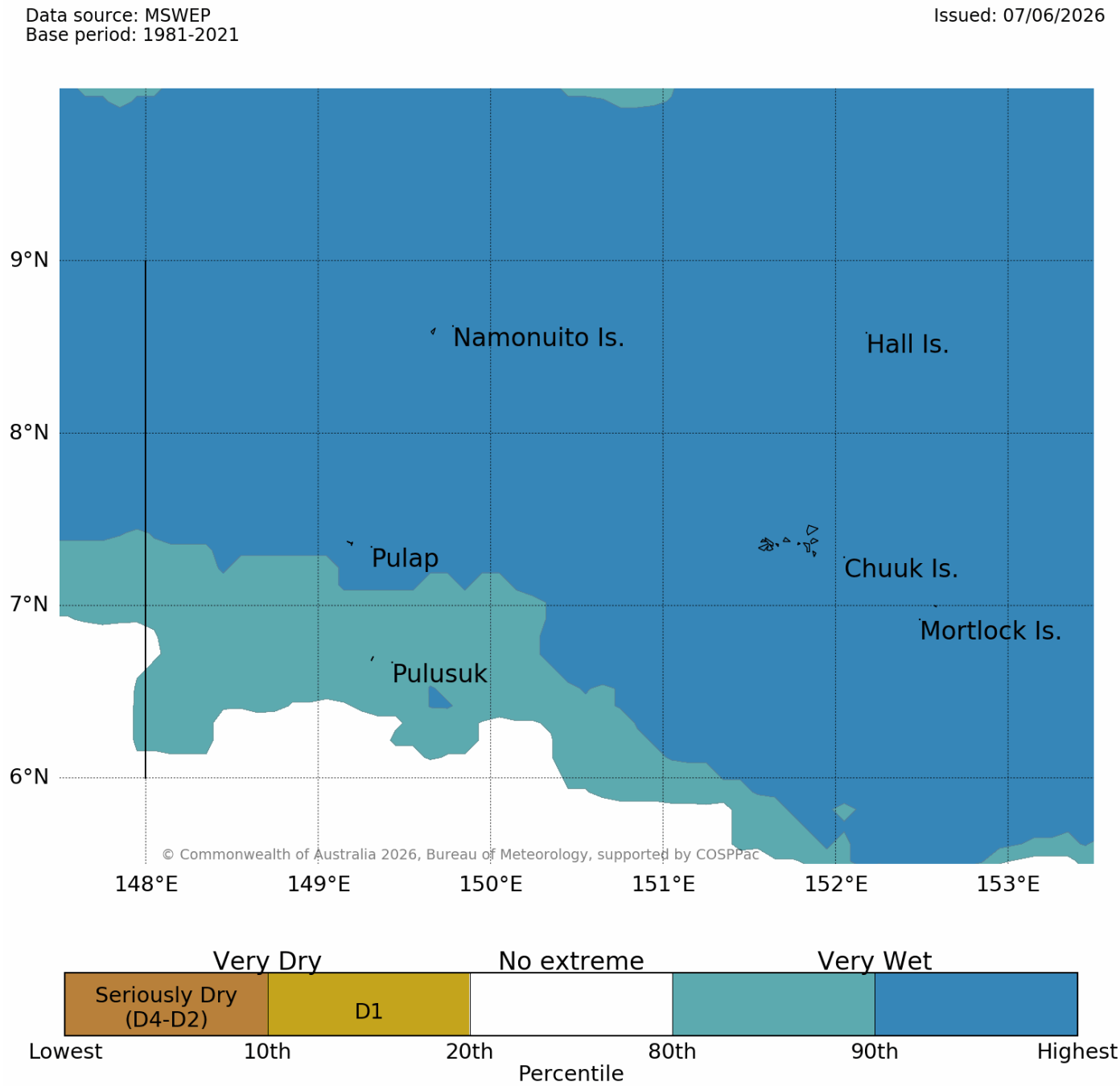
A 3-to-12-month meteorological drought can have adverse impacts on water supply (surface and groundwater). Generally, there is decline in stream/river levels and reservoir levels, drying up of deep wells, wetlands (taro patches) and decrease in soil moisture, society conflicts due to less availability, and health risks. 3-month meteorological droughts can reduce, or total devastate shallow rooted food crops, and 6-to-12-month droughts affect larger crops such as bananas, breadfruit and coconuts, and livestock death can occur.

3-months: sweet potatoes, society conflict, cost increase

6-months: banana, long lines to get water, shortage of water catchment and deep wells, salt water intrusion

12-months: tapioca, breadfruit, coconut, taro, death of livestock, cholera epidemic

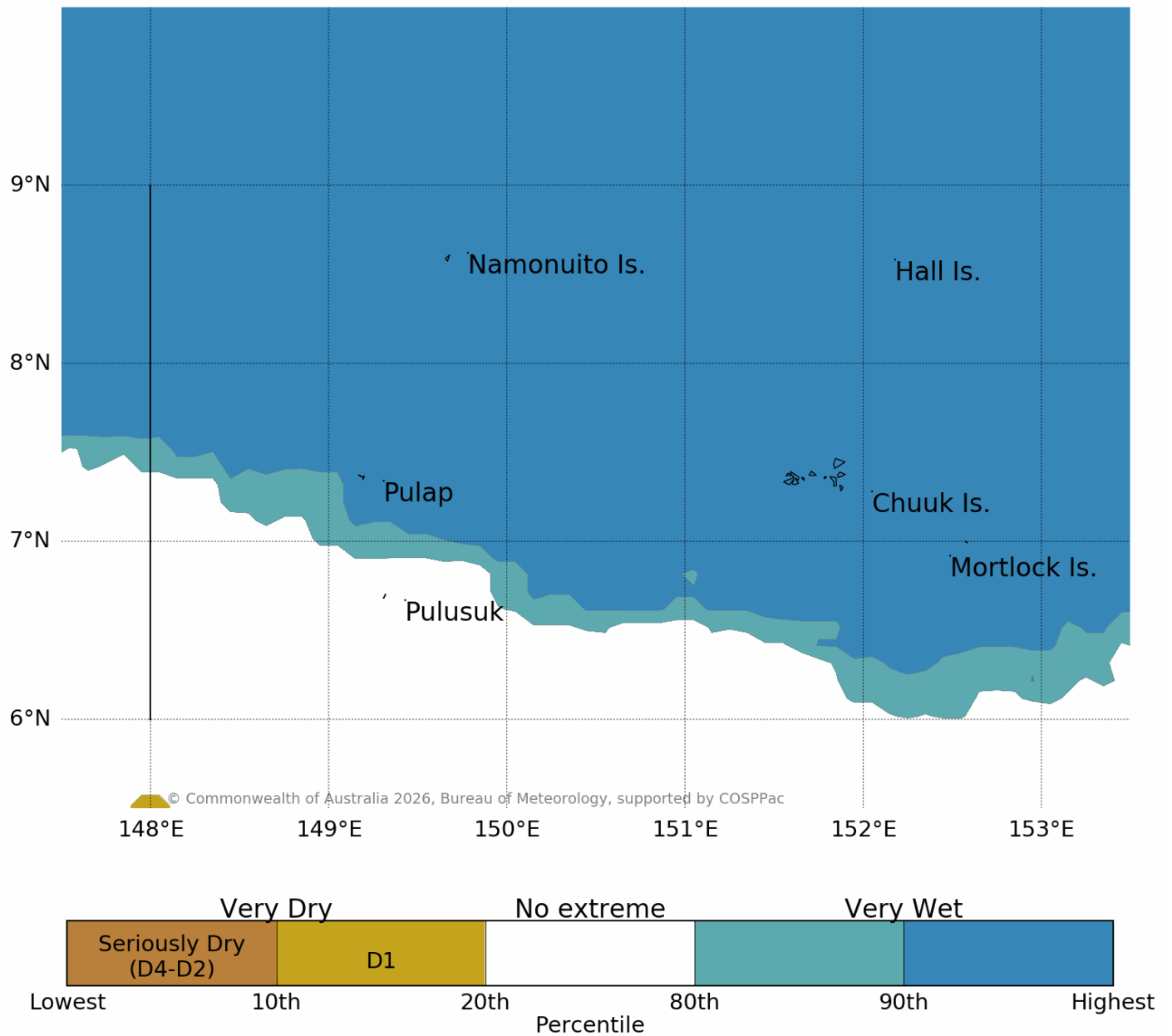
1-month Rainfall status to May 2026



3-month Rainfall status to May 2026

Data source: MSWEP
Base period: 1981-2021

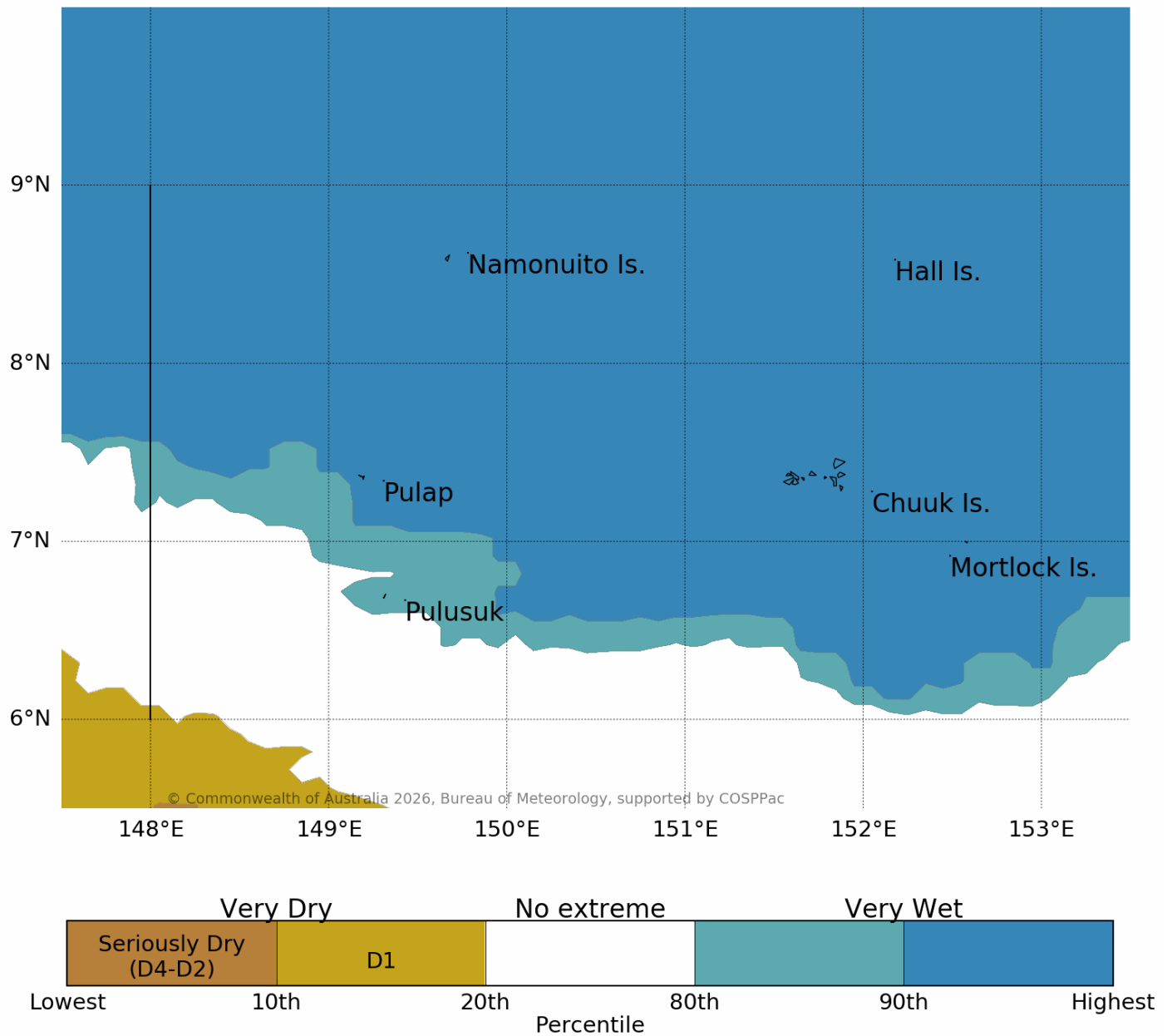
Issued: 07/06/2026



6-month Rainfall status to May 2026

Data source: MSWEP
Base period: 1981-2021

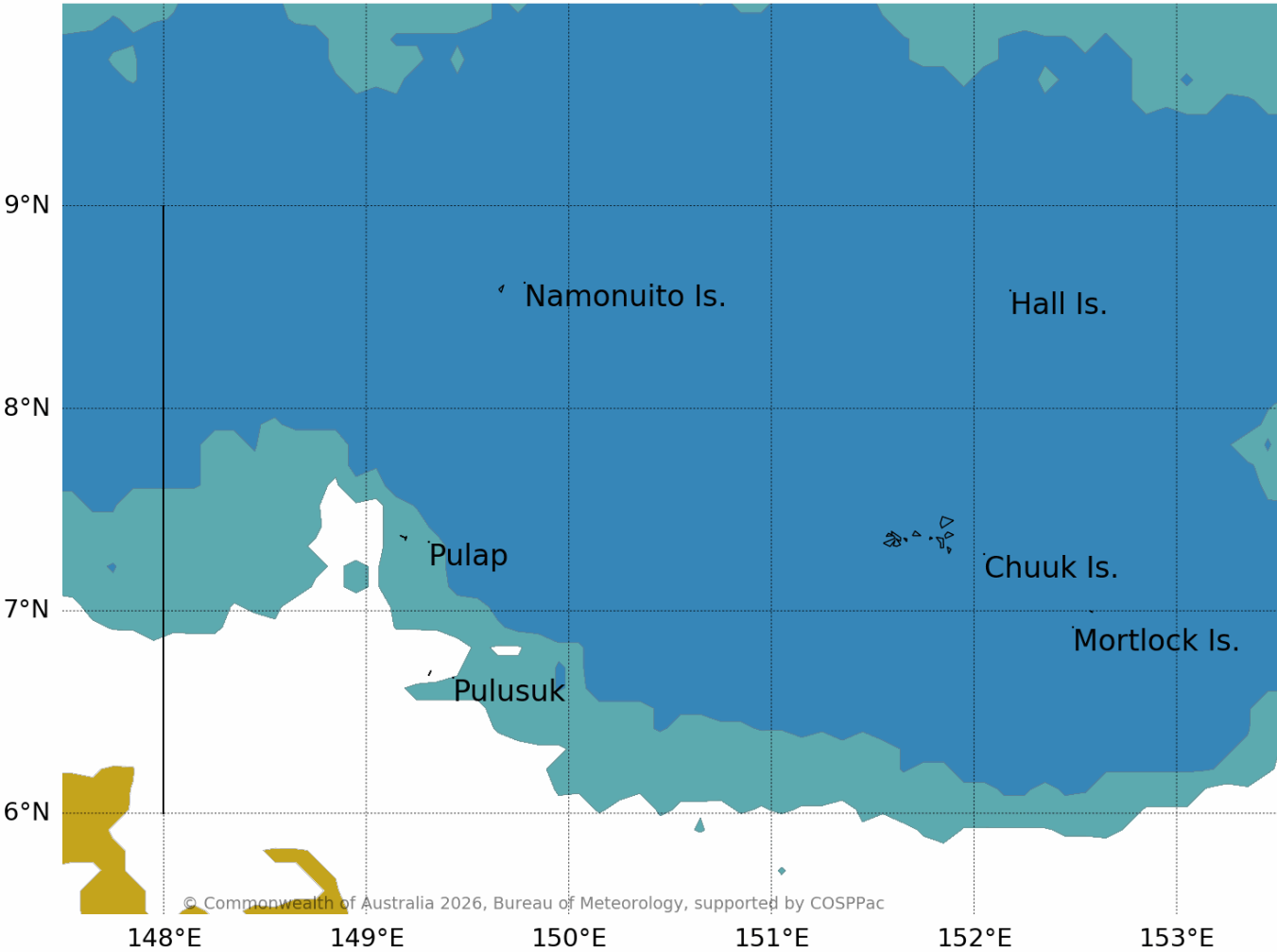
Issued: 07/06/2026



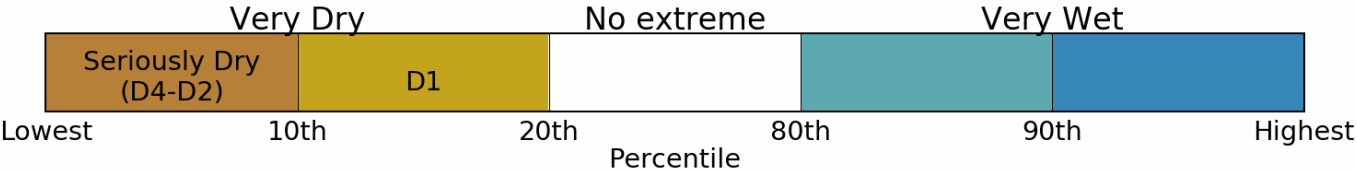
12-month Rainfall status to May 2026

Data source: MSWEP
Base period: 1981-2021

Issued: 07/06/2026



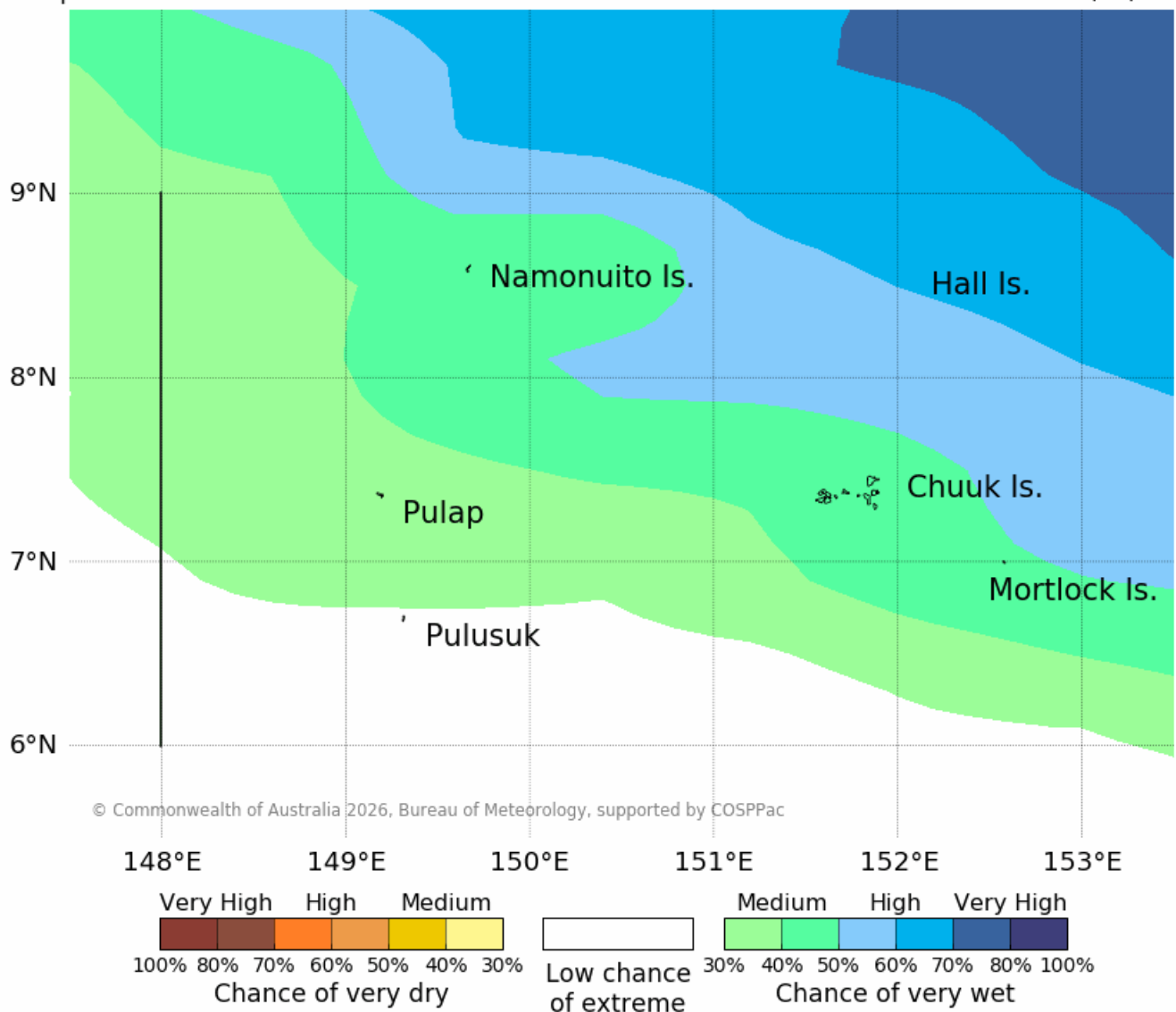
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Chance of extreme rainfall for July 2026

Data source: ACCESS-S2
Base period: 1981-2018

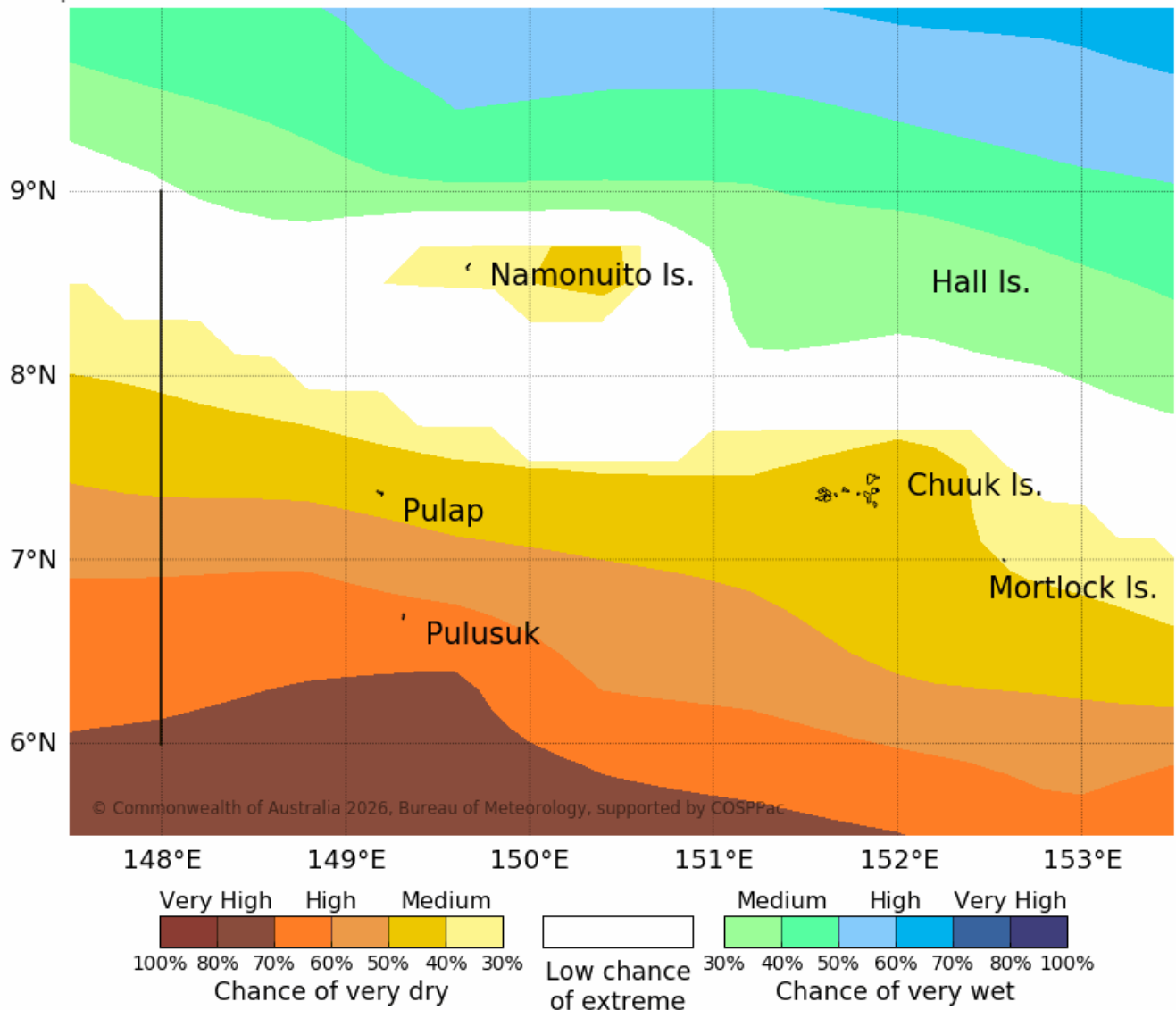
Model Run: 13/06/2026
Issued: 15/06/2026



Chance of extreme rainfall for July to September 2026

Data source: ACCESS-S2
Base period: 1981-2018

Model Run: 13/06/2026
Issued: 15/06/2026



Rainfall status

The Percentile Index is used to assess the rainfall status from the MSWEP dataset. MSWEP is a global precipitation product that combines rain gauges, satellite and reanalysis data to a 0.1° resolution. Seriously Dry is defined as drought assessed by rainfall data only. A site is assigned 'No Alert' when rainfall has been near normal or slightly above or below normal for the period(s) in question. The 3-, 6- and 12-month timescales can accurately predict drought.

Rainfall Outlook

The chance of extremes outlook maps present the likelihood of Very Wet or Very Dry conditions. They are displayed by the chance that the outlook will result in rainfall in the top or bottom 20% of historical observations for the selected outlook period. Where there is white shading it is less likely there will be either Very Wet or Very Dry conditions, rainfall is likely to be close to normal in this case. A very high chance of Very Dry (Very Wet) conditions is associated with the highest likelihood of rainfall being in the lowest (highest) 20% on record. A medium chance of Very Dry (Very Wet) conditions is associated with a lower but reasonable chance of rainfall being in the lowest (highest) 20% on record. The outlooks have been produced using the Australian Bureau of Meteorology ACCESS-S2 model
<http://www.bom.gov.au/climate/ahead/about/model/access.shtml>.

Contact the following Chuuk State Weather Service Office for further information.

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<https://www.weather.gov/gum/WSOChuuk>

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