



Recurrent flooding in South Sudan

The map shows areas where floodwater has been detected in multiple years between 2019 and 2021. **Unity, Warrap, Jonglei and Upper Nile are among the worst affected states.** Wetlands are indicated on the map as these areas are characterised by seasonal flooding, whilst flood extent beyond these areas represents more exceptional flooding.

Extensive flooding occurred across much of South Sudan in 2021. Whilst rainfall was not abnormally high in 2021, **flooding was exacerbated by standing water from major floods in the previous two years.** Floodwater can take several months to dissipate, meaning the ground may already be saturated when floods occur on consecutive years. **Awareness of areas that have flooded on previous years may therefore help understand more at risk areas in the following rainy season.**

The flooding has led to **widespread displacement, destruction of livelihoods and contamination of water sources**, compounding existing insecurity issues in many regions.

Flood extent data derived from remote sensing data (VIIRS, analysis by UNOSAT) for selected date ranges (see below). Higher water levels detected upstream on the Victoria Nile, and on the Great Lakes likely also contributed to the greater flood extent observed in 2021

See REACH flooding trends in counties of particular concern of food insecurity (Dec 2021) fact sheets for more info.

Flood frequency	• Major flood-affected settlement	□ County boundary
Light Blue: One year	Green Stippled: Wetland	Thick Line: State boundary
Medium Blue: Two years	Blue: Lakes	Diagonal Hatching: Contested
Dark Blue: Three years	Blue Line: Rivers	

Data sources: VIIRS, with analysis undertaken by UNOSAT for the following date ranges: 2019 (Sept 30 - Oct 19); 2020 (Sept 20 - Oct 19); 2021 (Sept 19 - Oct 18)

Coordinate System: GCS WGS 1984
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Note: Data, designations and boundaries contained on this map are not warranted to be error-free and do not imply acceptance by REACH partners, associates or donors mentioned on this map.

Flood extent derived from preliminary analysis only and the data has not been validated in the field.

