

ADAM

Advanced Disaster Analysis & Mapping

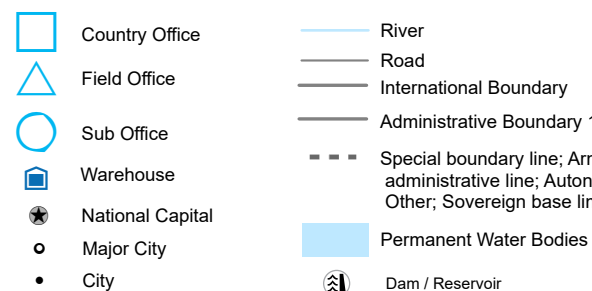
Flood Impact Analysis Mali

11 September 2025





Satellite observed water extent as of 11 Sep 2025



*Satellite Observed Water Extent

 Observed Flooded Area

 Built-up area
(ESA Worldcover 2020)

**Data displays the maximum combined NOAA VIIRS and Floodscan flood extent detection on the date specified on the map*

Population of Concern (UNHCR)

- | | |
|--|--|
|  Refugee, formal settlement |  IDP, informal settlement |
|  Refugee, informal settlement |  IDP, centre |
|  Refugee, individual accommodation in communities |  IDP, collective centre |
|  IDP, formal settlement |  IDP, individual accommodation in communities |

Rapid Flood Impact Summary



Total observed flooded
or inundated area (hectares)



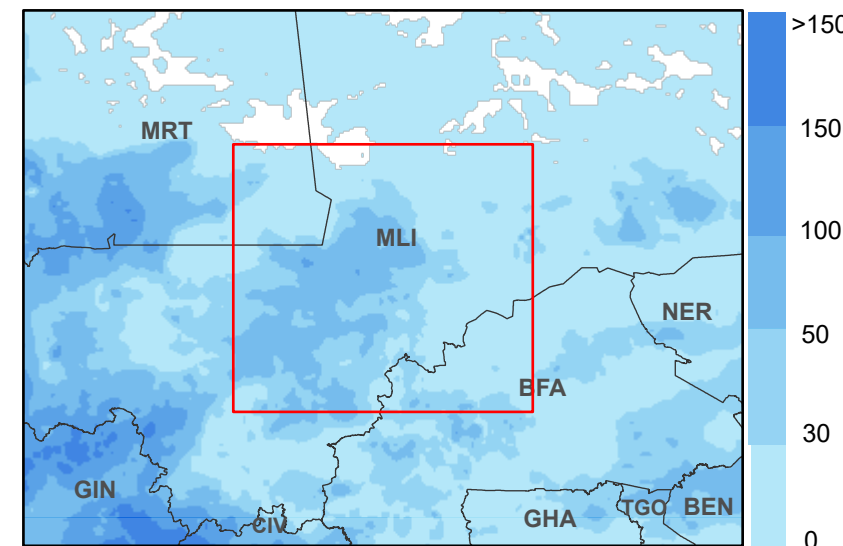
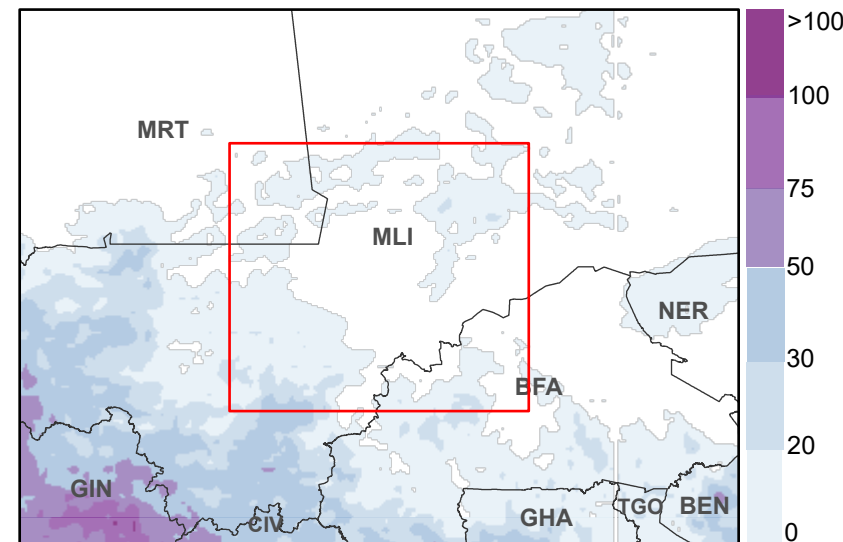
Total number of people
living in the flooded pixel



Total flooded
cropland areas

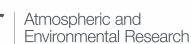


Total number of vulnerable population in the flooded area



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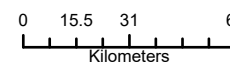


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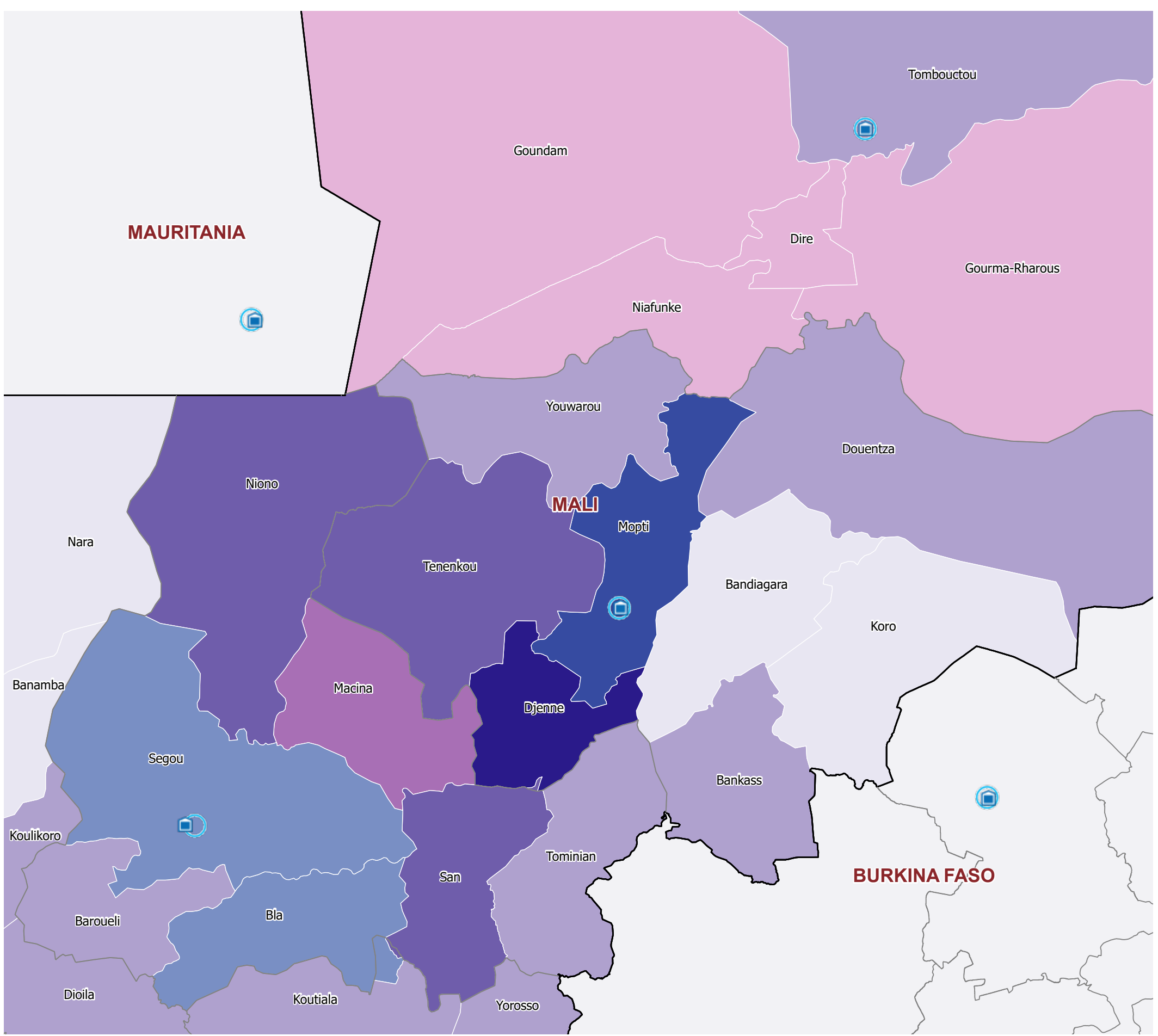
Data sources: WFP offices: WFP - Boundaries: UN Map, WFP - Roads: ©OpenStreetMap Contributors - Populated places: GeoNames - Accumulated rainfall: GPM - Weather forecast: ECMWF - Flood Detection: NOAA-VIIRS, MODIS NRT, ESA Sentinel 1 - IDP/Refugee Locations: UNHCR - Terrain: ESRI - Surface Water/Seasonality:JRC - Cropland Mask: NASA GFSAD30 - Population: WorldPop / GHSL - Maximum Flood Extent: NASA MODIS/DF0 and C2S

Date Created: 11 Sep 2025 - Contact: wfp.adam@wfp.org

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Prepared by
HQ GIS Unit
WFP Emergencies



Country Office

Field Office

Sub Office

Warehouse

National Capital

Major City

City

International Boundary

Administrative Boundary 1

Special boundary line; Armistice, undetermined or administrative line; Autonomous region boundary; Other; Sovereign base limit

Potentially impacted population

1 - 1K

1K - 10K

10K - 20K

20K - 50K

>50K

Estimated flooded cropland (has)

1 - 1K

1K - 10K

10K - 20K

20K - 50K

>50K

Bi-variate color classification (Main Map Frame)

Population Impact

Cropland Impact

High

Low

Low

High

These classes were dynamically derived from the impact estimates on population (Y-axis) and cropland (X-axis) for 9 combinations of low-low and high-high combined impact categories for each administrative level-II (district)



Flood Impact Data Aggregation

Derived data are summarized by administrative unit II (admin2). For any boundary related concerns, please write to wfp.adam@wfp.org. This aggregated information is indicative and for planning purposes only.

Global Data Sources:
Population - WorldPop 2022
Cropland Areas - NASA GFSAD30



Estimated population living within the flooded area (Admin Unit II)



Estimated crop lands within the flooded area (Admin Unit II)

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Advanced Disaster Analysis and Mapping

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N

0 15.5 31 62

Kilometers

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HQ GIS Unit,
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Mali Flooding

Rapid Flood Impact Analysis Breakdown

**estimated number of people living in the flooded areas with at least 100 people potentially affected per district. Vulnerable population within flooded area are estimates from WorldPop data.*

(Admin unit 1) Region	(Admin unit 2) District	Flooded Area (hectares)	Flooded Cropland (hectares)	Potentially Impacted Population*		
				Total in District	Children (0-9 y.o.)	Elderly (>60 y.o.)
Koulikoro	Banamba	1,415	402	546	20	187
	Dioila	3,485	2,662	1,601	60	548
	Koulikoro	4,836	1,224	5,733	215	1,959
	Nara	2,011	126	259	10	88
Mopti	Bandiagara	347	160	649	32	224
	Bankass	21,608	3,041	7,864	387	2,708
	Djenne	218,933	113,433	103,280	5,087	35,583
	Douentza	34,658	7,740	3,799	182	1,299
	Koro	1,566	697	611	30	210
	Mopti	146,573	65,193	65,466	3,226	22,556
	Tenenkou	321,808	39,103	74,497	3,671	25,667
	Youwarou	96,209	7,960	18,894	931	6,510
	Baroueli	13,062	9,392	8,132	323	2,772
	Bla	27,857	23,091	11,074	440	3,775
Segou	Macina	32,129	9,420	23,386	947	7,976
	Niono	43,267	20,536	40,686	1,618	13,865
	San	45,539	31,318	20,553	826	7,008
	Segou	21,616	11,845	15,977	634	5,445
	Tominian	14,203	9,271	5,631	224	1,919
	Koutiala	15,089	7,472	6,597	229	2,306
	Yorosso	6,890	4,632	2,824	99	985
Sikasso	Dire	6,298	624	5,471	264	1,853
	Goundam	10,366	98	1,458	70	494
Tombouctou	Gourma-Rharous	23,160	920	3,701	179	1,255
	Niafunke	9,485	127	3,560	172	1,208

Tombouctou

6,867	1,422	2,472	119	837
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