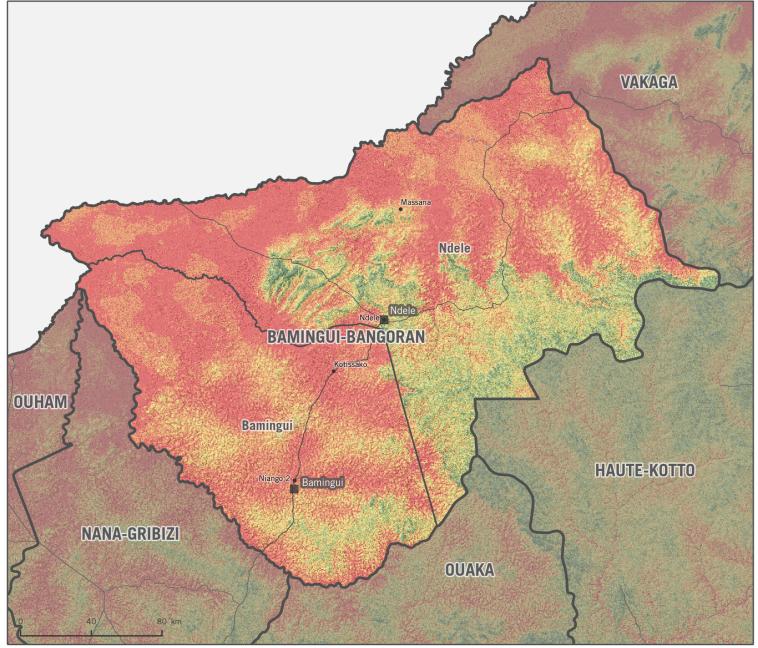
CENTRAL AFRICAN REPUBLIC - Flood Susceptibility and Risk

Bamingui-Bangoran Prefecture

Intended for humanitarian use Production date: June 2020



Susceptibility

Susceptibility was calculated through weighted linear combination analysis of the following data: soil drainage, landcover, slope, elevation, rain intensity, rain duration, topographic wetness index, height above nearest drainage, drainage density.

The map shows relative flood susceptibility across the surface of Central African Republic based on physical land features and rainfall patterns

Risk

Risk was calculated using measurements of flood hazard (susceptibility), exposure, and vulnerability. Hazard is an average of the flood susceptibility score in populated areas. Exposure is measured as the proportion of people living in high/very high flood susceptibility areas. Vulnerability is a composite measure of housing structure fragility, food insecurity, low financial resilience, IDPs, youth, unaccompanied youth, elderly, and disabled persons.

Prefecture	Sub-Prefecture	Vulnerability Score	Susceptibility /Hazard Score	People in High/Very High Flood Risk Area %	People in High/Very High Flood Risk Area #	FINAL RISK SCORE
Ombella M'Poko		1	4.20	74%	320,360	high
Lobaye		3	3.59	53%	161,627	low
Mambéré-Kadéï		2	2.87	27%	122,092	very low
Nana-Mambéré		2	2.06	9%	21,026	very low
Sangha-Mbaéré		3	3.65	59%	74,824	medium
Ouham Pendé		3	2.77	24%	116,132	low
Ouham		2	4.08	74%	334,110	medium
Kémo		3	4.13	70%	106,957	high
Nana-Gribizi		2	4.04	72%	101,176	medium
Ouaka		3	3.80	65%	240,230	medium
Bamingui-Bangoran		2	3.99	70%	41,846	medium
	Bamingui	3	4.63	93%	8,482	very high
	Ndélé	2	3.85	66%	33,320	medium
Haute-Kotto		2	4.19	81%	91,422	high
Vakaga		2	4.39	91%	59,101	high
Basse-Kotto		3	3.73	63%	198,780	medium
Mbomou		1	4.12	79%	163,962	medium
Haut-Mbomou		4	3.43	57%	47,450	low
Bangui		2	4.80	98%	858,552	high



Funded by:



Flood Susceptibility

Very Low Low

Medium High Very High Capitals

• Settlements (>1,000)

---- Primary Roads — Secondary Roads

Surface Water

Administrative Boundaries- UNOCHA

Surface Water- ESA Climate Change Initiative, 20m Africa Land Cover 2016 Flood Susceptibility- REACH Initiatives

Coordinate System: GCS WGS 1984

REACH_CAR_Map_FloodRisk_Bamingui-Bangoran_ 11JUN2020_A4

Contact: reach.mapping@impact-initiatives.org Note: Data, designations and boundaries contained on this map are not warranted to be error-free and do not imply acceptance by the REACH partners, associates, donors mentioned on this map.

See methodology at the CAR REACH Resource Centre link