

ADAM

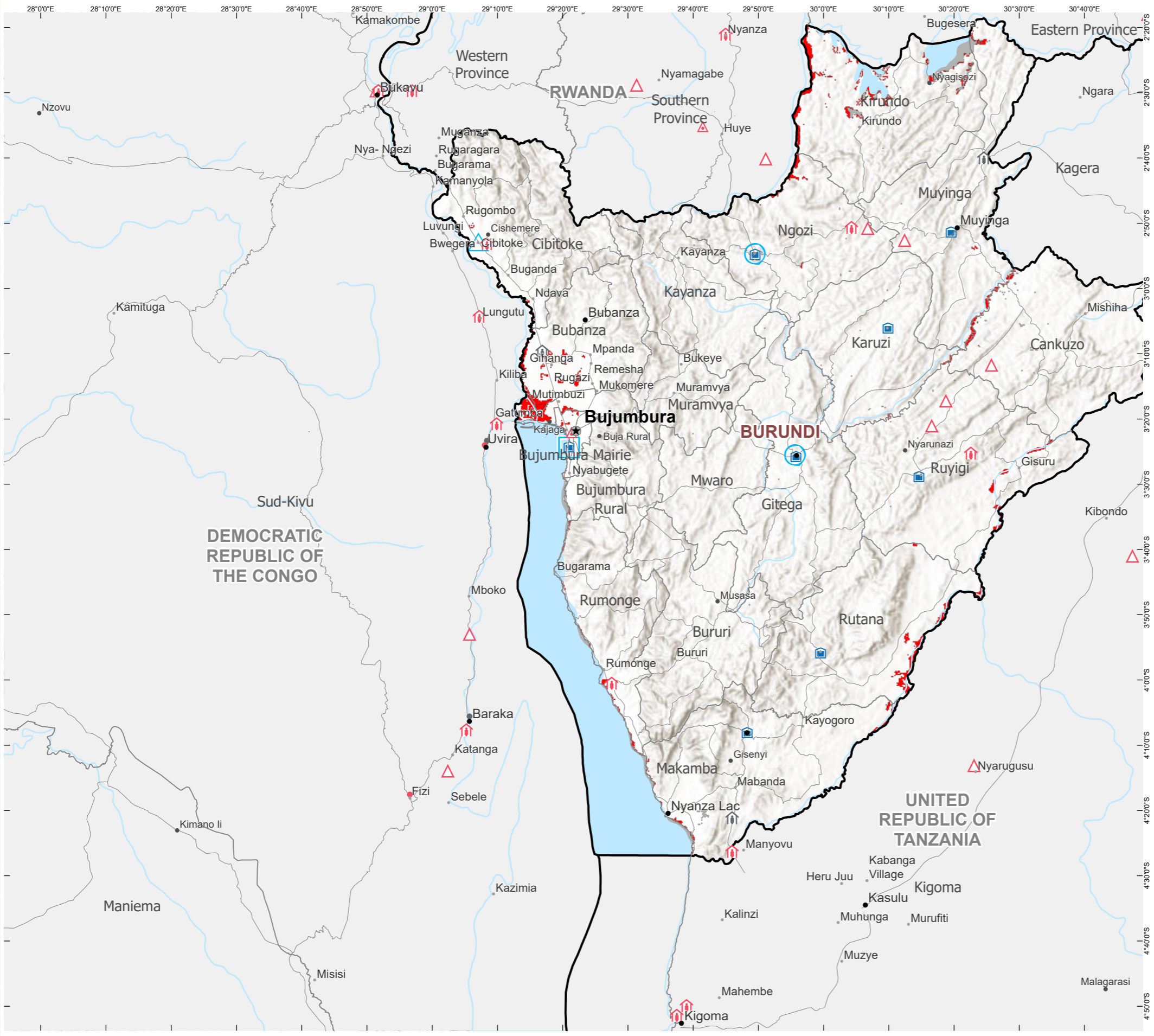
Advanced Disaster Analysis & Mapping

Flood Impact Analysis Burundi

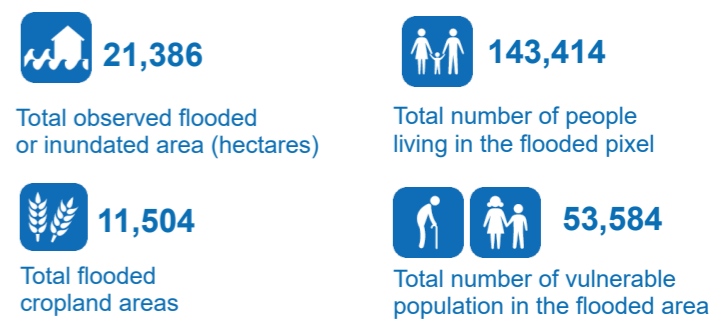
Update #3

Maximum Flood Extent
30 April 2024

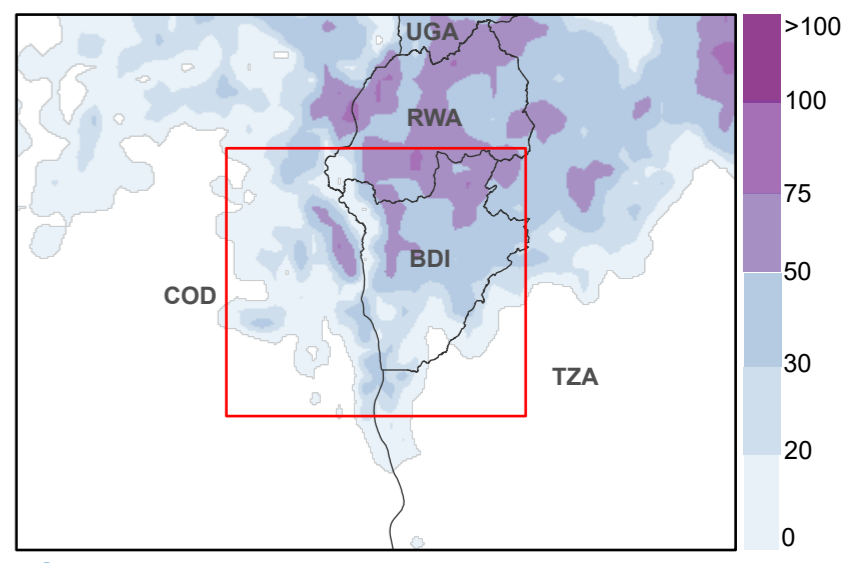




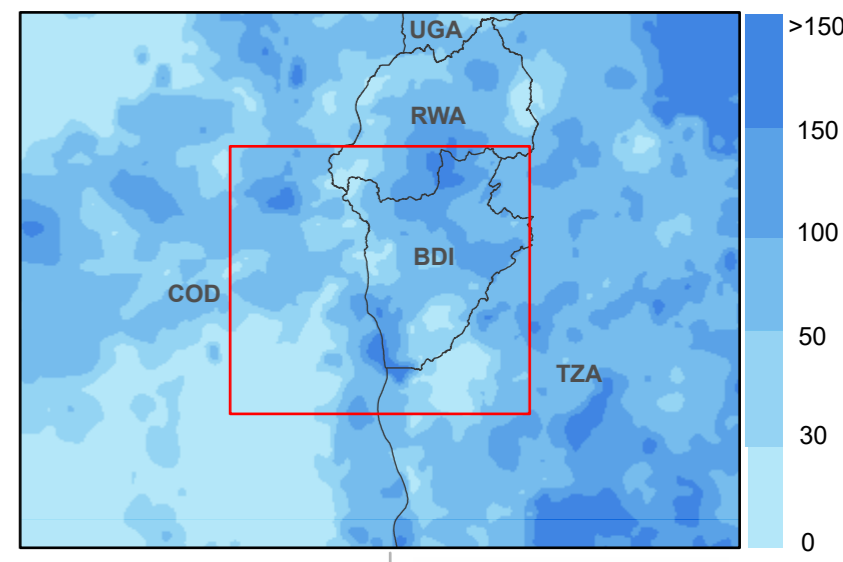
Rapid Flood Impact Summary



Next 5-days rainfall forecast



Past 7-days rainfall accumulation



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ADAM
Advanced Disaster Analysis and Mapping

aer Atmospheric and Environmental Research

FloodList

Joint Research Centre

- Country Office
- Field Office
- Sub Office
- Warehouse
- National Capital
- Major City
- City
- River
- Road
- International Boundary
- Administrative Boundary 1
- Special boundary line; Armistice, undetermined or administrative line; Autonomous region boundary; Other; Sovereign base limit
- Permanent Water Bodies
- Dam / Reservoir

***Satellite Observed Water Extent**

- Observed Flooded Area
- Historical Maximum Flood Extent MODIS 2000 - 2018

Source: DFO and Cloud2Street

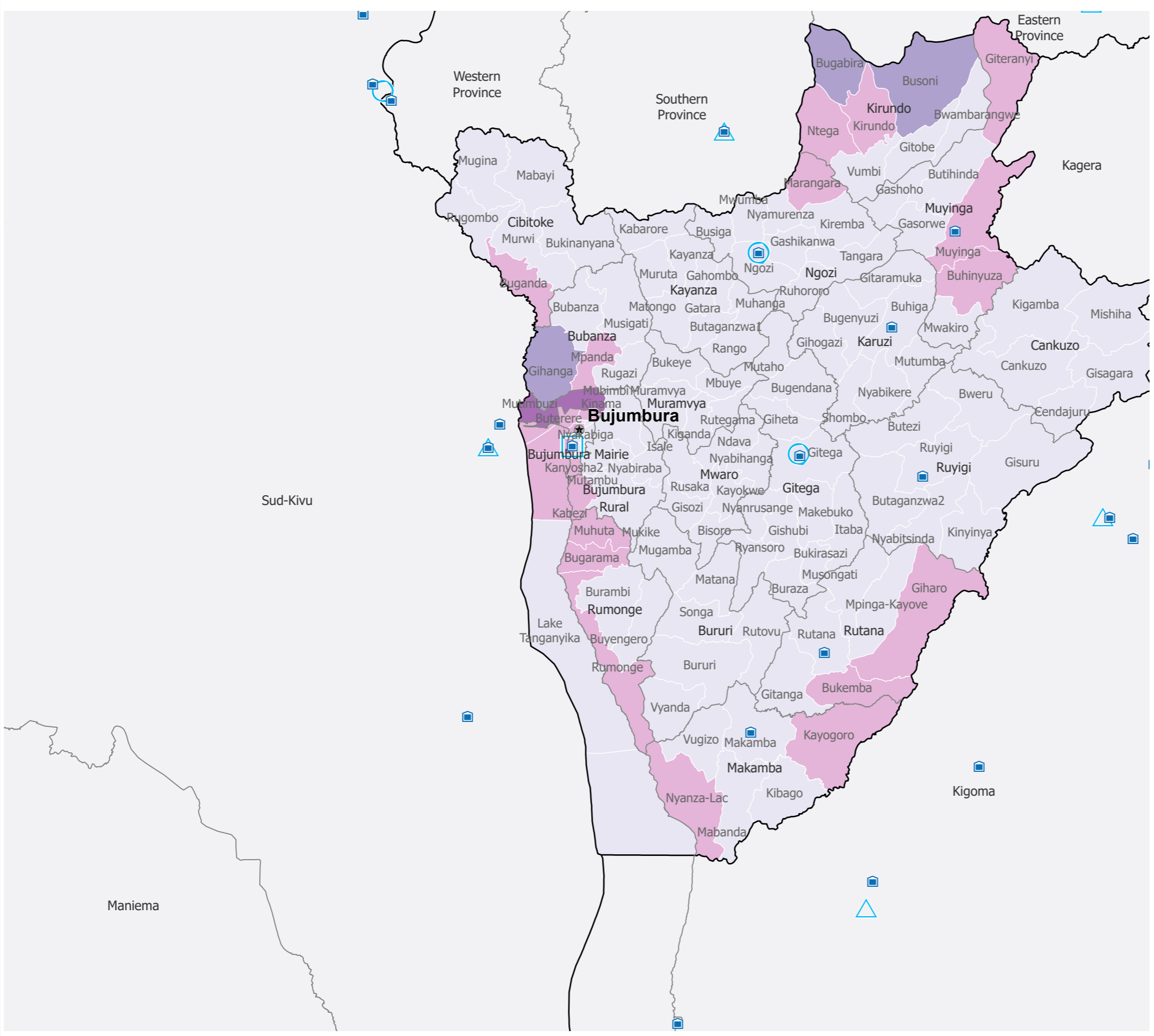
**Data displays the maximum combined NOAA VIIRS and Floodscan flood extent detection on the date specified on the map*

- Population of Concern (UNHCR)**
- Unknown, Unknown
 - Unknown, accommodation
 - Unknown, arrangement (hosted or rental)
 - Unknown, planned settlement
 - Unknown, centre
 - Asylum-seeker, accommodation
 - Asylum-seeker, spontaneous location
 - Asylum-seeker, unplanned settlement

The designations employed and the presentation of material in the map(s) do not imply the expression of any opinion on the part of WFP concerning the legal or constitutional status of any country, territory, city or sea, or concerning the delimitation of its frontiers or boundaries.

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/DFO and C2S

Date Created: 30 Apr 2024 - Contact: wfp.adam@wfp.org



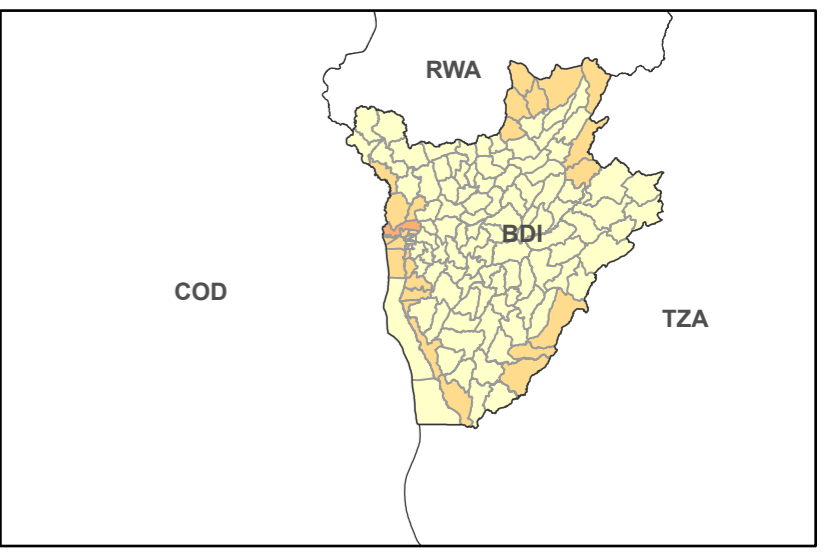
Flood Impact Data Aggregation

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.

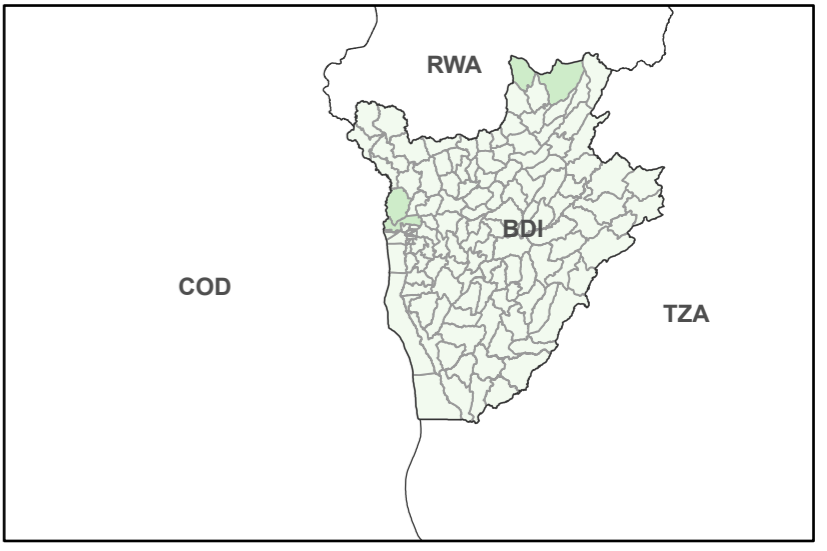
Global Data Sources:
Population - WorldPop 2022
Cropland Areas - NASA GFSAD30



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



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



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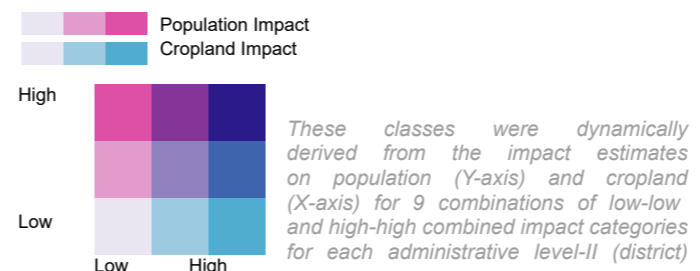
Advanced Disaster Analysis and Mapping

- Country Office
- Field Office
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Potentially impacted population	Estimated flooded cropland (has)
0 - 1K	0 - 1K
1K - 10K	1K - 10K
10K - 20K	10K - 50K
20K - 50K	50K - 100K
>50K	>100K

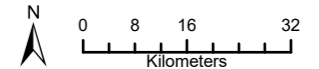
Bi-variate color classification (Main Map Frame)



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Date Created: 30 Apr 2024 - Contact: hq.gis@wfp.org
Map Reference: ADAM_Floods_v4



Burundi Flooding

Rapid 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.)
Bubanza	Gihanga	2,058	1,071	5,600	228	1,807
	Mpanda	753	759	4,331	163	1,646
Bujumbura Mairie	Buterere	424	359	5,628	224	1,866
	Kanyosha2	10	105	3,945	114	1,204
	Kinama	58	79	1,633	54	543
	Kinindo	nan	52	1,890	73	339
	Lake Tanganyika	66	42	1,383	6	44
	Ngagara	nan	0	1,231	31	203
Bujumbura Rural	Roherero	24	16	744	39	92
	Kabezi	79	289	5,040	224	1,558
	Lake Tanganyika	375	30	1,622	13	114
	Mutimbuzi	4,215	3,122	26,978	962	9,198
Cankuzo	Cankuzo	138	0	257	14	82
	Kigamba	177	0	492	24	165
Cibitoke	Buganda	145	176	1,263	51	447
	Rugombo	84	124	498	18	172
Karuzi	Mutumba	96	0	481	21	172
	Nyabikere	52	0	169	8	56
Kirundo	Bugabira	1,598	1,400	9,929	401	3,681
	Busoni	1,375	1,314	9,951	407	3,616
	Bwambarangwe	44	27	378	16	135
	Kirundo	977	900	5,727	260	1,941
Makamba	Ntega	935	391	4,034	182	1,409
	Kayogoro	404	0	1,074	39	402
	Lake Tanganyika	38	0	158	3	37

Muyinga	Nyanza-Lac	753	109	7,727	250	2,880
	Buhinyuza	535	0	1,597	71	552
	Giteranyi	227	30	2,612	103	976
	Muyinga	174	1	1,319	57	444
	Mwakiro	53	0	208	10	71
Ngozi	Gashikanwa	68	0	341	17	110
	Marangara	673	336	2,599	123	852
	Nyamurenza	179	25	598	29	192
Rumonge	Bugarama	73	32	1,797	60	650
	Lake Tanganyika	32	15	563	11	97
	Muhuta	35	33	2,590	97	860
	Rumonge	1,029	574	17,091	638	5,830
Rutana	Bukemba	988	26	2,661	99	954
	Giharo	2,220	30	6,578	256	2,524
	Mpinga-Kayove	83	26	279	16	92
Ruyigi	Butezi	73	0	148	8	49
	Nyabitsinda	7	0	109	5	38

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