

ADAM

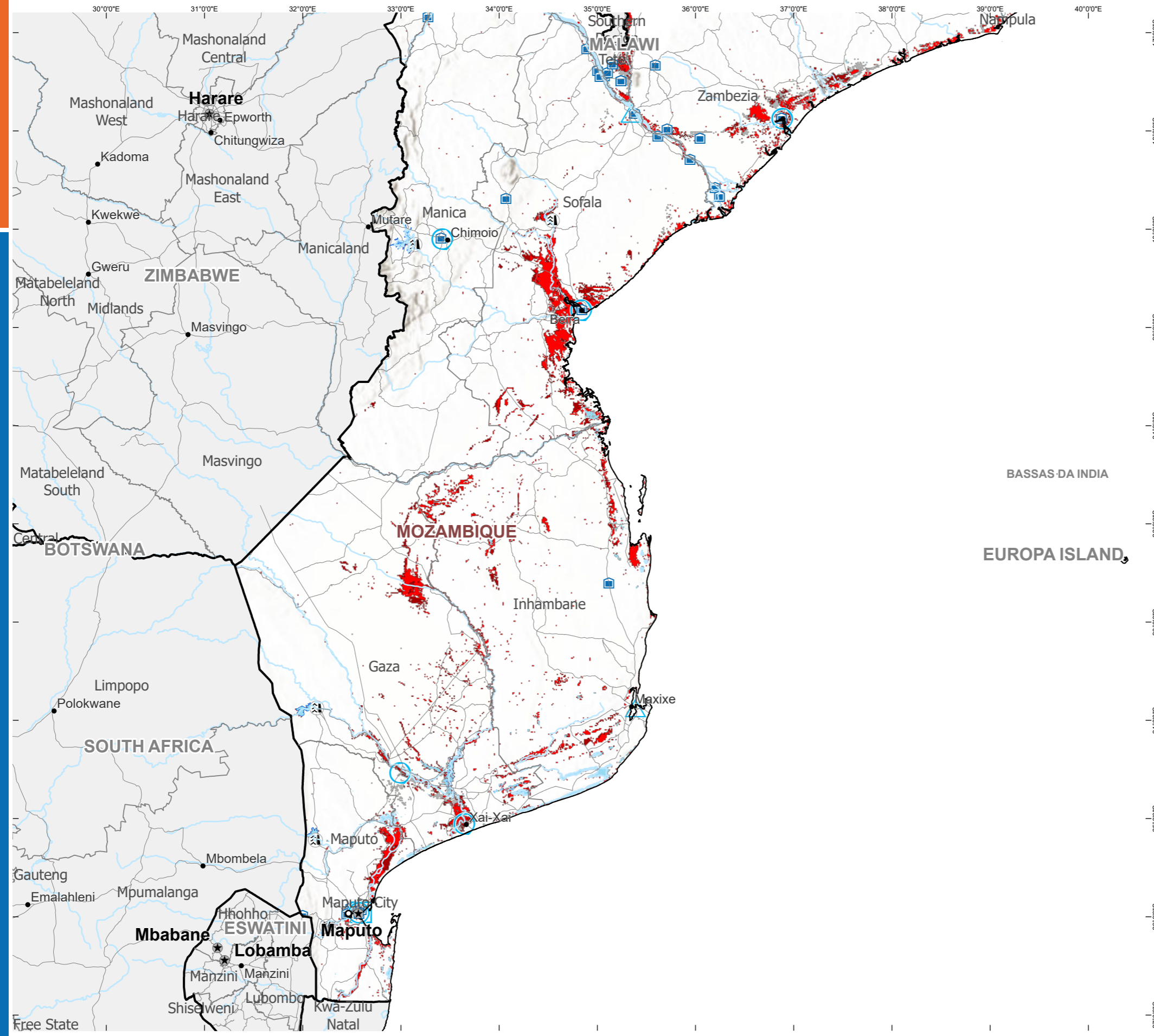
Advanced Disaster Analysis & Mapping

Flood Impact Analysis Mozambique

Update #3

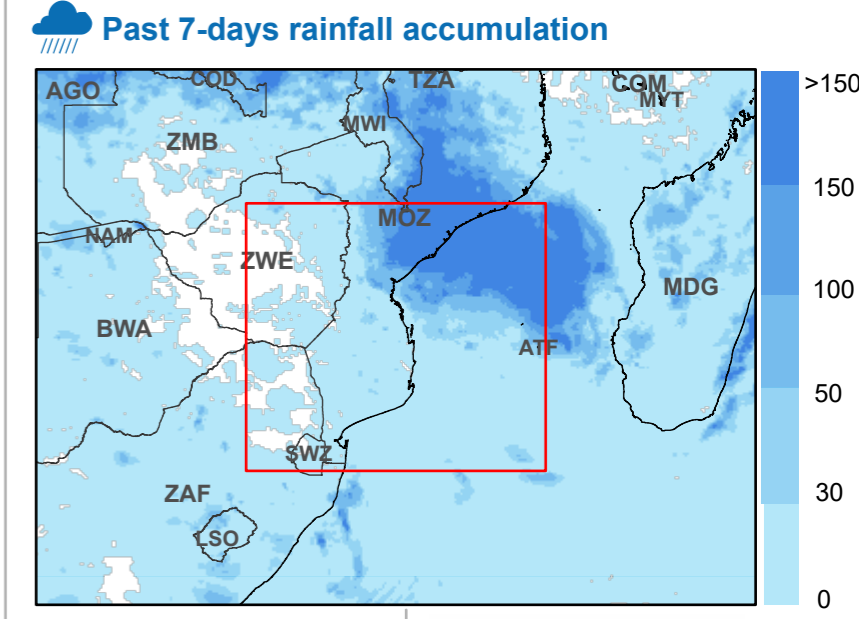
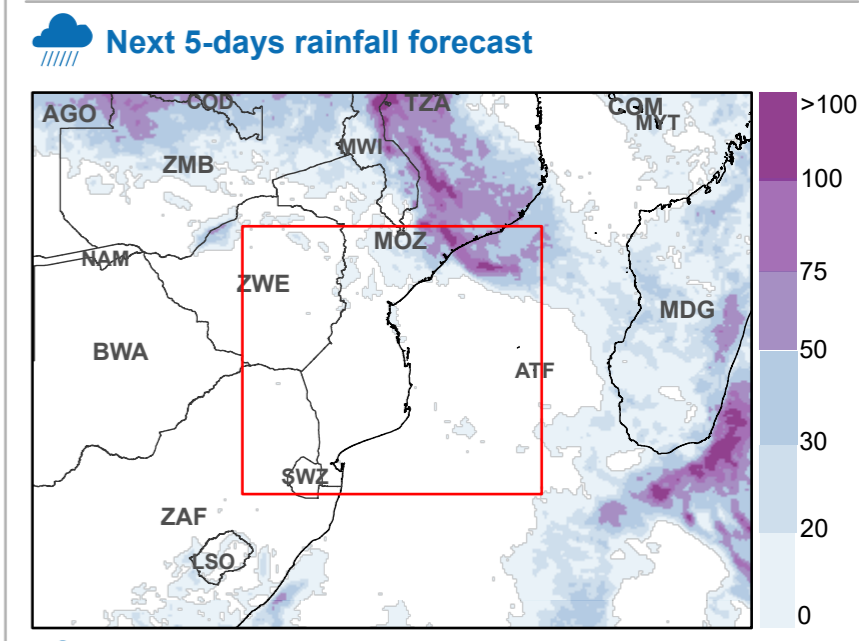
Maximum Flood Extent
15 March 2023





Rapid Flood Impact Summary

1,444,698 Total observed flooded or inundated area (hectares)	821,917 Total number of people living in the flooded pixel
214,789 Total flooded cropland areas	271,645 Total number of vulnerable population in the flooded area



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ADAM
Advanced Disaster Analysis and Mapping

FloodList

aer Atmospheric and Environmental Research

European Commission
Joint Research Centre

<ul style="list-style-type: none"> Country Office Field Office Sub Office Warehouse National Capital Major City City 	<ul style="list-style-type: none"> 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 	<p>*Satellite Observed Flooding</p> <ul style="list-style-type: none"> NOAA VIIRS (375 meter per pixel) Floodscan (90 meter per pixel) Historical Maximum Flood Extent MODIS 2000 - 2018 Source: DFO and Cloud2Street 	<p>Population of Concern (UNHCR)</p> <ul style="list-style-type: none"> Archive, not to be considered Asylum Seeker Accommodation Asylum Seeker Camp Asylum Seeker Centre Asylum Seeker Location Asylum Seeker Settlement
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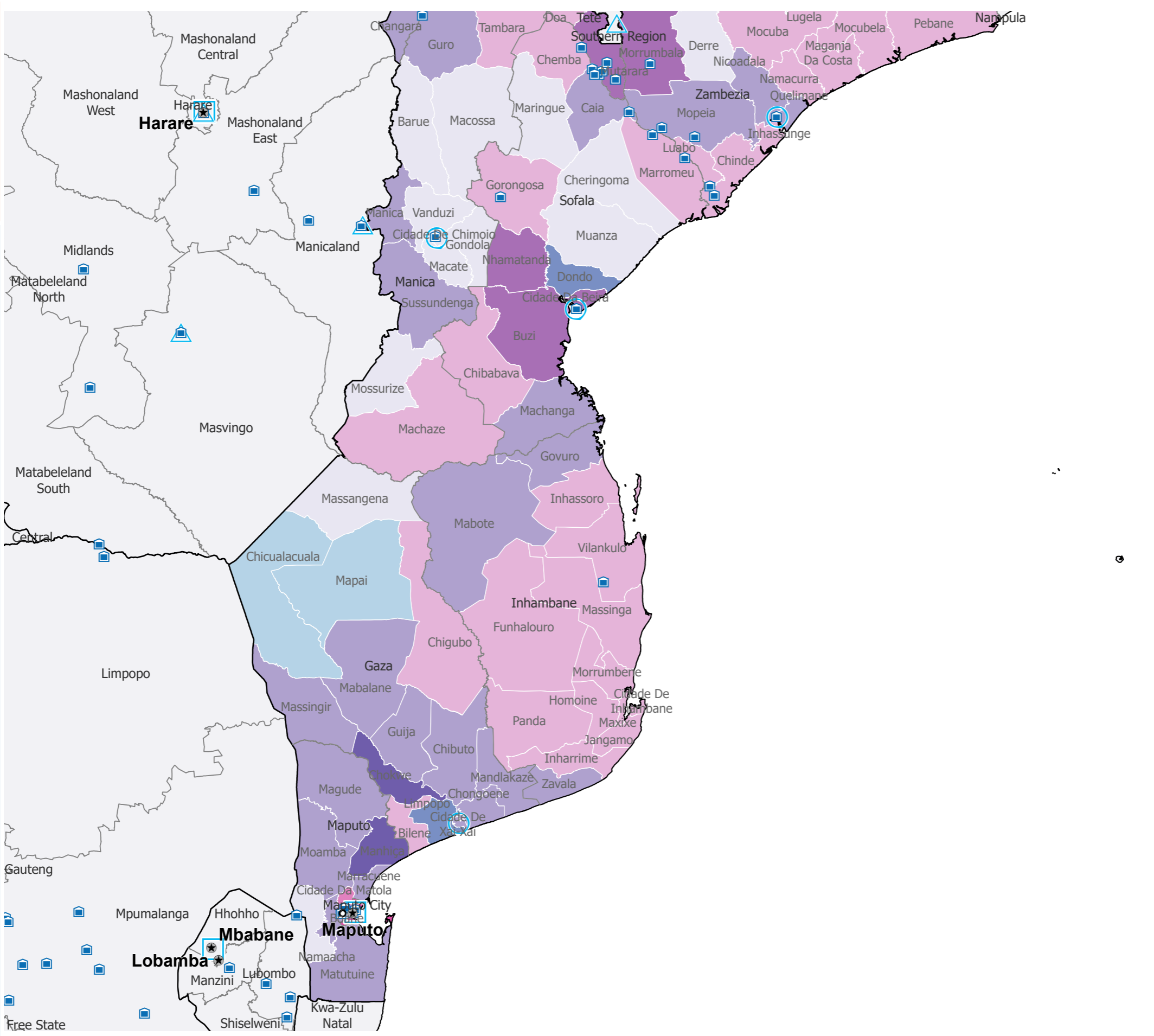
The designations employed and the presentation of material in the map(s) do not imply the expression of any opinion on the part of WFP concerning the legal or constitutional status of any country, territory, city or sea, or concerning the delimitation of its frontiers or boundaries.

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/DF0 and C2S

Date Created: 15 Mar 2023 - Contact: wfp.adam@wfp.org

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Prepared by: HQ GIS Unit, WFP Emergencies



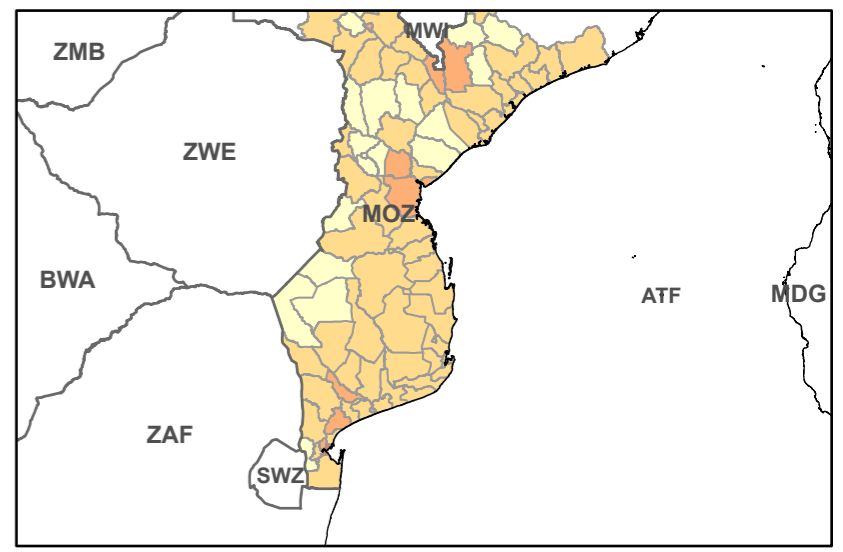
Flood Impact Data Aggregation

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

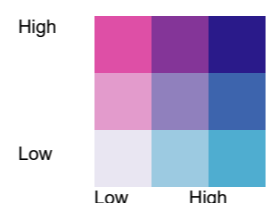
- Country Office
- Field Office
- Sub Office
- Warehouse
- National Capital
- Major City
- City

- International Boundary
- Administrative Boundary 1
- Special boundary line; Armistice, undetermined or administrative line; Autonomous region boundary; Other; Sovereign base limit

Potentially impacted population	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)

- Population Impact
- Cropland Impact



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)

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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

Date Created: 15 Mar 2023 - Contact: hq.gis@wfp.org
Map Reference: MWI_FL_Aggregation_20230315_00



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.*

Country Code	Region (Admin unit 1)	District (Admin unit 2)	Flooded Area (hectares)	Flooded Cropland (hectares)	Potentially Impacted Population*		
					Total in District	Children (0-9 y.o.)	Elderly (>60 y.o.)
MOZ	Gaza	Bilene	13,034	444	4,435	302	1,192
		Chibuto	35,918	9,973	18,607	1,396	5,210
		Chicualacuala	17,079	3,661	784	46	228
		Chigubo	77,451	629	1,831	148	550
		Chokwe	26,708	17,063	25,880	1,492	7,191
		Chongoene	7,532	6,195	7,364	543	2,054
		Cidade De Xai-Xai	1,195	4,580	14,018	554	3,327
		Guija	21,468	4,197	6,400	433	1,888
		Limpopo	14,232	14,210	10,653	724	2,958
		Mabalane	12,562	5,492	1,465	90	443
		Mandlakaze	29,239	3,071	11,370	1,095	3,208
		Mapai	45,073	1,656	667	49	199
		Massangena	12,910	264	842	63	243
		Massingir	11,280	3,764	2,409	139	678
	Inhambane	Cidade De Inhambane	2,857	163	16,316	836	3,870
		Funhalouro	51,772	803	1,280	105	383
		Govuro	16,163	1,357	2,584	166	714
		Homoine	13,607	417	3,945	349	1,135
		Inharrime	29,191	558	7,556	575	2,292
		Inhassoro	22,466	30	4,229	297	1,132
		Jangamo	8,204	130	5,171	433	1,512
		Mabote	95,714	1,722	2,288	176	652
		Massinga	7,963	479	2,540	188	710
Maxixe		2,328	259	8,181	506	2,010	
Morrumbene	3,796	358	1,650	147	455		
Panda	31,215	540	2,330	230	692		

	Vilankulo	30,935	781	13,012	953	3,528
	Zavala	10,721	1,054	10,150	827	3,080
Manica	Barue	427	29	119	5	39
	Gondola	392	53	147	6	46
	Guro	8,832	2,698	3,406	151	1,200
	Macate	261	13	108	5	34
	Machaze	10,739	57	1,156	70	378
	Manica	3,083	1,118	3,946	148	1,171
	Mossurize	295	135	131	6	41
	Sussundenga	4,048	1,142	2,067	89	681
	Tambara	6,320	859	2,238	87	830
	Vanduzi	743	21	283	11	86
	Maputo	Boane	4,737	2,158	7,525	427
Cidade Da Matola		390	157	31,484	1,019	7,523
Magude		9,598	2,591	3,144	272	814
Manhiça		61,373	29,447	37,203	2,720	10,086
Marracuene		10,701	7,430	10,597	609	2,822
Matutuine		36,684	2,704	4,358	361	1,070
Moamba		17,257	4,143	4,506	377	1,073
Namaacha		1,009	958	873	47	213
Maputo City	Cidade De Maputo	5,899	480	100,832	3,684	20,784
Niassa	Chimbonila	4,806	2,098	1,201	52	451
	Cidade De Lichinga	14	22	212	5	64
	Lago Niassa	874	332	617	28	218
	Mandimba	11,386	821	2,693	104	943
	Mecanhelas	35,715	2,823	39,306	1,258	14,866
Sofala	Buzi	120,223	7,742	31,978	1,548	9,566
	Caia	14,847	4,499	19,307	859	6,730
	Chemba	7,163	114	4,143	187	1,542
	Cheringoma	4,900	81	426	14	157
	Chibabava	13,649	73	2,321	120	799
	Cidade Da Beira	21,811	5,289	73,278	2,291	16,594
	Dondo	32,274	13,079	18,752	720	4,804

	Gorongosa	12,152	302	2,042	75	742
	Machanga	27,479	1,213	4,945	312	1,446
	Maringue	683	30	143	6	57
	Marromeu	9,238	632	11,436	363	3,766
	Muanza	8,446	10	614	16	230
	Nhamatanda	64,094	6,487	36,604	1,875	10,917
Tete	Angonia	612	120	429	21	133
	Cahora Bassa	8,437	169	2,687	107	817
	Changara	11,008	1,171	2,851	141	947
	Chifunde	3,326	5	189	7	65
	Chiuta	1,836	81	682	27	247
	Cidade De Tete	1,891	851	20,141	564	5,424
	Doa	4,859	99	2,757	116	994
	Macanga	6,596	667	2,540	98	883
	Marara	1,416	252	591	29	196
	Maravia	14,474	80	1,033	38	368
	Moatize	11,560	4,246	18,029	728	5,828
	Mutarara	30,972	1,612	22,927	968	8,267
	Tsangano	2,255	1,011	2,586	103	852
Zambezia	Chinde	11,297	94	5,315	237	1,767
	Derre	615	0	101	4	38
	Inhassunge	3,169	34	5,275	272	1,547
	Luabo	4,031	596	2,636	117	876
	Lugela	1,226	169	500	19	176
	Maganja Da Costa	6,921	26	5,565	200	1,893
	Milange	376	390	616	25	221
	Mocuba	4,412	478	9,706	286	3,241
	Mocubela	3,559	36	2,377	85	809
	Molumbo	6,940	859	2,667	106	955
	Mopeia	31,972	1,939	14,054	454	5,061
	Morrumbala	24,737	7,299	20,141	772	7,429
	Namacurra	3,501	73	4,626	182	1,455
Nicoadala	1,784	3,272	2,183	96	647	

	Pebane	7,596	372	6,810	267	2,357
	Quelimane	3,601	3,094	9,663	360	2,623

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