

# ADAM

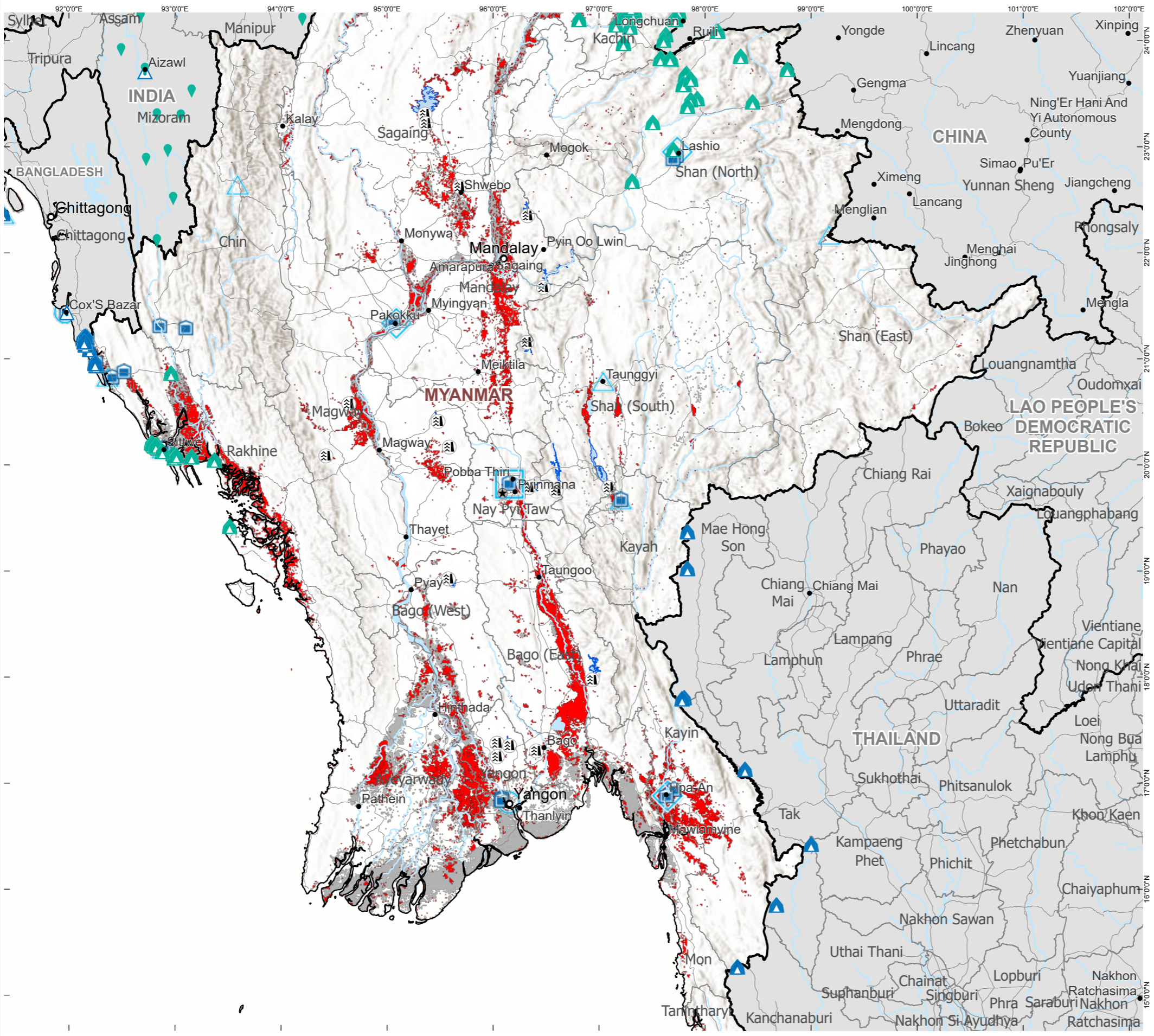
Advanced Disaster Analysis & Mapping

## Flood Impact Analysis Myanmar

Update #5

Maximum Flood Extent  
18 September 2024





### Rapid Flood Impact Summary

3,308,984

Total observed flooded or inundated area (hectares)

4,458,850

Total number of people living in the flooded pixel

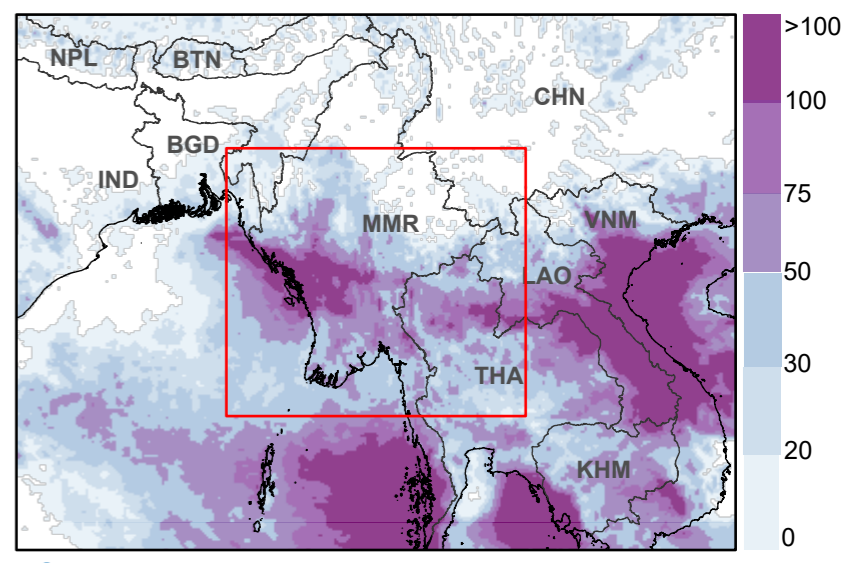
2,061,007

Total flooded cropland areas

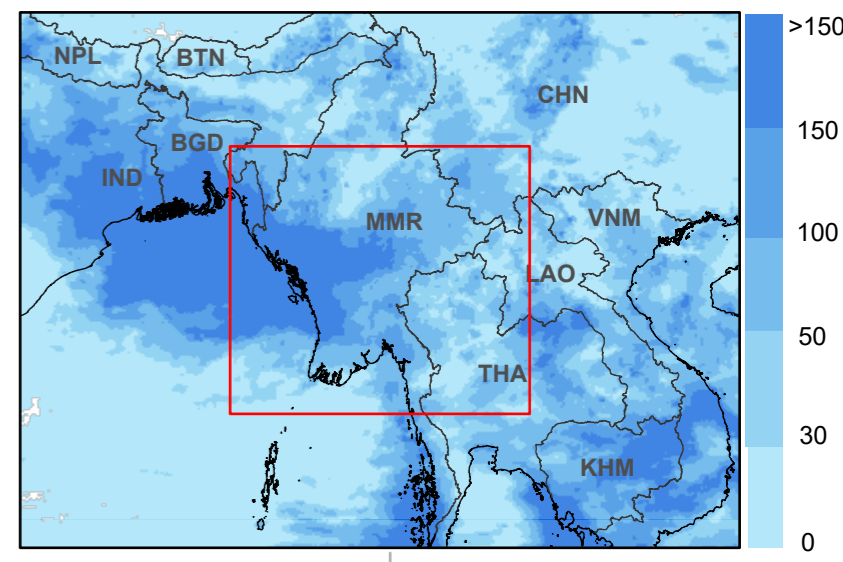
1,205,645

Total number of vulnerable population in the flooded area

### Next 5-days rainfall forecast



### Past 7-days rainfall accumulation



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Advanced Disaster Analysis and Mapping

Atmospheric and Environmental Research  
 FloodList  
 European Commission  
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

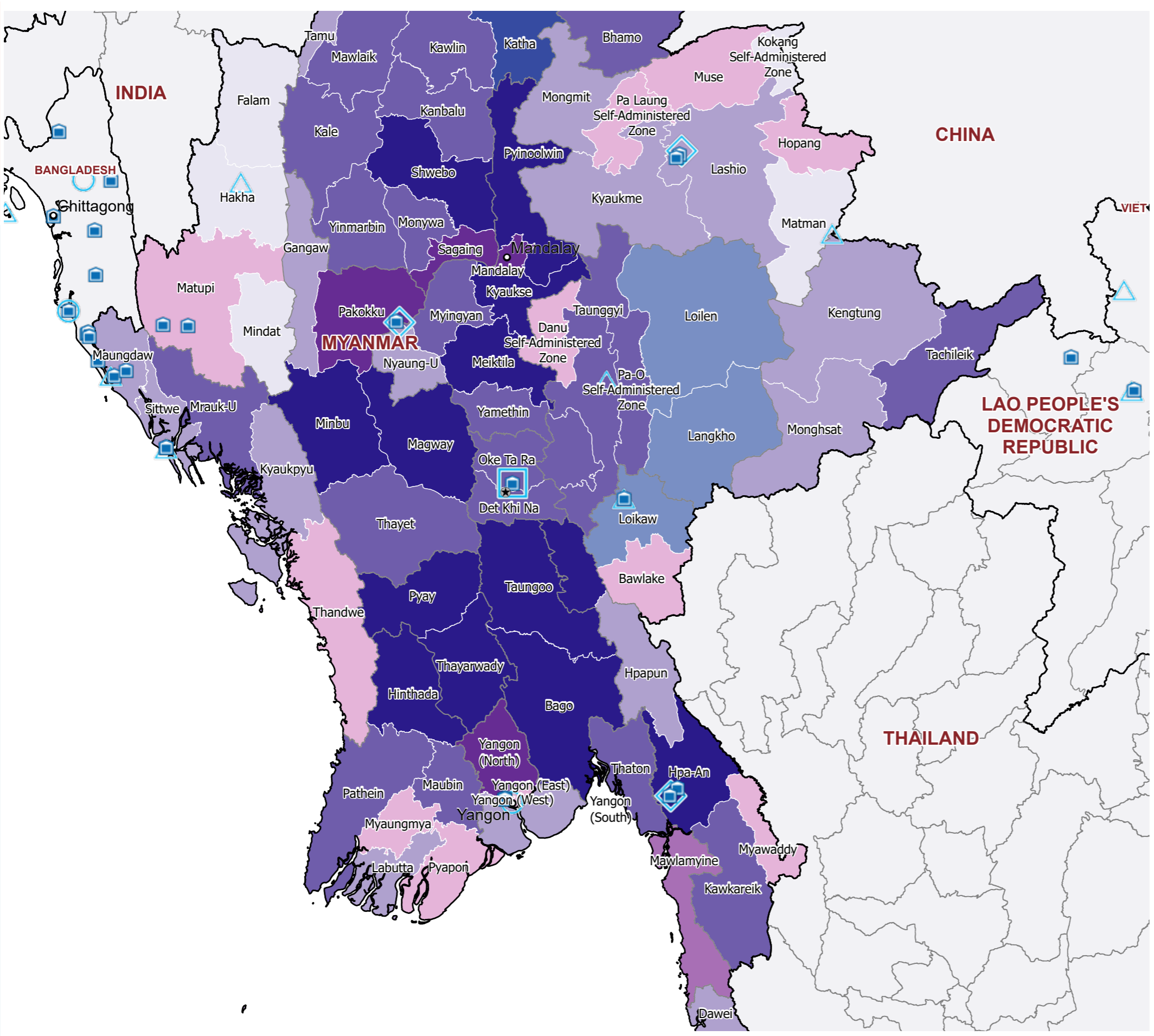
\*Satellite Observed Water Extent  
 Observed Flooded Area  
 Historical Maximum Flood Extent MODIS 2000 - 2018  
 Source: DFO and Cloud2Street  
 \*Data displays the maximum combined NOAA VIIRS and Floodscan flood extent detection on the date specified on the map

- Population of Concern (UNHCR)
- Refugee, formal settlement
  - Refugee, informal settlement
  - Refugee, spontaneous location
  - Refugee, centre
  - Refugee, collective centre
  - Refugee, individual accommodation in communities
  - Refugee, unknown
  - IDP, formal settlement
  - IDP, informal settlement
  - IDP, spontaneous location
  - IDP, centre
  - IDP, collective centre
  - IDP, individual accommodation in communities
  - IDP, unknown

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: 18 Sep 2024 - Contact: wfp.adam@wfp.org



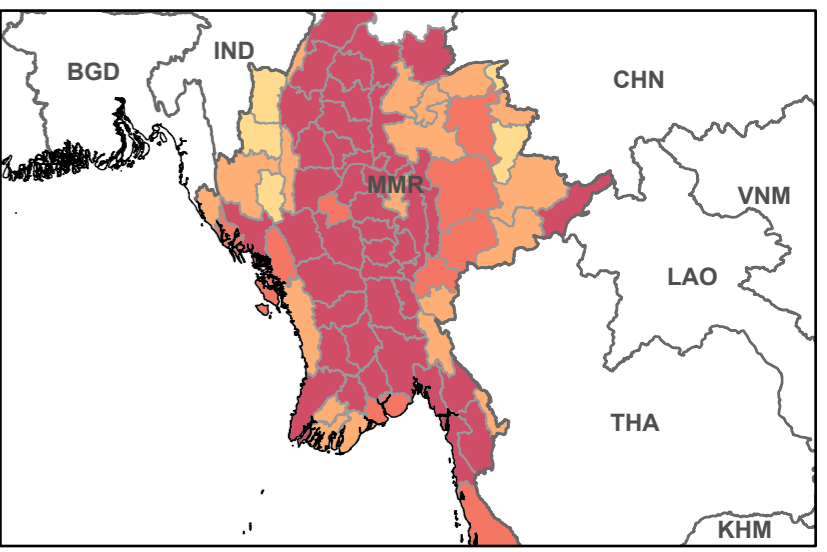
**Flood Impact Data Aggregation**

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

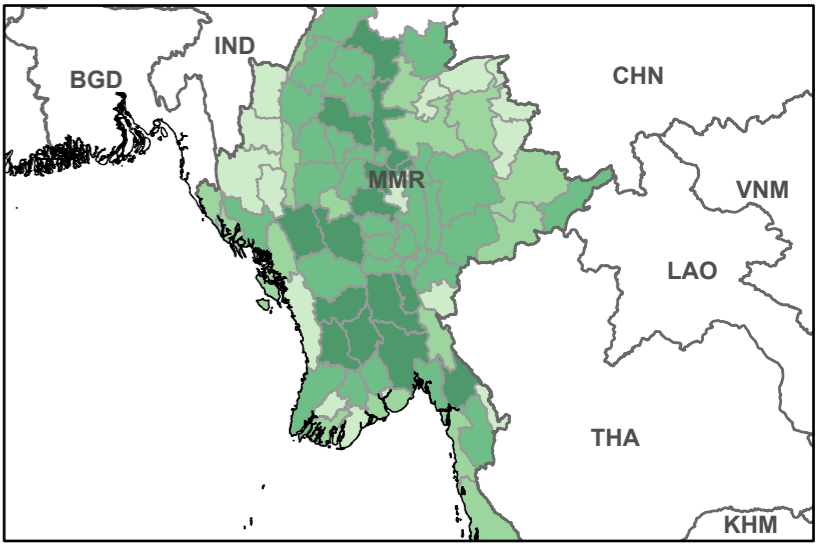
Global Data Sources:  
Population - WorldPop 2022  
Cropland Areas - NASA GFSAD30



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



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



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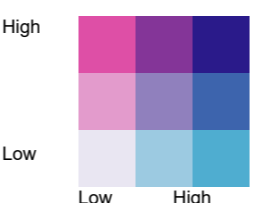
- Country Office
- Field Office
- Sub Office
- Warehouse
- National Capital
- Major City
- City

- 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

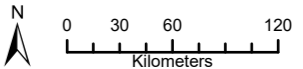


These classes were dynamically derived from the impact estimates on population (Y-axis) and cropland (X-axis) for 9 combinations of low-low and high-high combined impact categories for each administrative level-II (district)

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Date Created: 18 Sep 2024 - Contact: [hq.gis@wfp.org](mailto:hq.gis@wfp.org)  
Map Reference: ADAM\_Floods\_v4



# Myanmar 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.)
Ayeyarwady	Hinthada	145,699	125,620	219,032	23,170	37,427
	Labutta	2,628	1,772	4,535	479	776
	Maubin	24,465	14,498	52,101	5,504	8,893
	Myaungmya	1,080	354	2,196	232	376
	Patheingyi	58,777	27,418	76,851	8,122	13,145
	Pyawbwe	616	404	5,180	547	886
Bago (East)	Bago	268,226	219,657	386,822	43,041	62,653
	Taungtha	199,969	159,231	345,770	38,478	56,012
Bago (West)	Pyaw	65,058	54,492	118,995	13,249	19,276
	Thayawady	150,887	120,485	199,678	22,167	32,253
Chin	Falam	3,496	74	453	40	111
	Matupi	4,242	133	1,259	112	313
Kachin	Bhamo	84,896	33,979	60,122	4,479	10,445
Kayah	Bawlake	5,423	325	1,897	134	396
	Loikaw	18,093	12,956	18,553	1,322	3,858
Kayin	Hpa-An	130,473	60,058	134,238	12,931	28,373
	Hpapun	10,660	1,987	1,925	185	408
	Kawkaik	54,441	26,731	46,170	4,429	9,796
	Myawaddy	1,864	452	1,994	198	416
Magway	Gangaw	6,527	2,983	3,334	406	528
	Magway	80,979	60,176	111,894	13,921	17,272
	Minbu	121,197	79,728	172,001	21,400	26,550
	Pakokku	61,352	32,865	130,260	16,129	20,148
	Thayet	24,777	18,995	45,691	5,685	7,053
Mandalay	Kyaukse	113,314	82,135	258,554	28,039	37,874

	Mandalay	24,777	19,492	190,535	20,656	28,015
	Meiktila	108,538	63,945	108,942	11,818	15,926
	Myingyan	47,605	34,003	78,258	8,586	11,832
	Nyaung-U	7,415	3,147	16,732	1,857	2,468
	Pyinoolwin	90,736	70,131	166,508	18,058	24,386
	Yamethin	55,078	26,220	64,951	7,046	9,495
Mon	Mawlamyine	23,100	8,621	32,498	3,709	5,760
	Thaton	76,458	33,237	86,886	9,904	15,328
Nay Pyi Taw	Det Khi Na	30,957	21,719	35,756	3,820	5,274
	Oke Ta Ra	25,917	13,585	21,930	2,379	3,206
Rakhine	Kyaukpyu	19,622	4,784	15,220	1,724	2,628
	Maungdaw	3,208	2,475	2,049	204	383
	Mrauk-U	55,776	19,212	51,474	5,824	8,907
	Sittwe	11,300	3,217	12,625	1,430	2,180
	Thandwe	6,226	517	4,674	529	807
Sagaing	Hkamti	188,852	34,247	53,202	5,688	8,734
	Kale	51,219	31,591	61,377	6,505	10,375
	Kanbalu	46,872	26,062	27,970	2,995	4,583
	Katha	90,252	64,556	87,342	9,320	14,362
	Kawlin	45,031	22,020	29,264	3,133	4,803
	Mawlaik	54,812	25,712	30,437	3,258	4,996
	Monywa	30,563	22,108	76,216	8,159	12,509
	Sagaing	58,768	47,316	128,713	13,788	21,117
	Shwebo	145,103	132,421	209,870	22,468	34,429
	Tamu	3,632	1,971	2,363	253	388
	Yinmarbin	40,973	25,065	64,490	6,904	10,584
Shan (East)	Kengtung	6,878	2,732	8,239	674	1,550
	Monghsat	4,844	1,861	6,007	491	1,130
	Tachileik	27,502	15,827	33,059	2,724	6,207
Shan (North)	Hopang	4,927	620	4,027	331	756
	Kokang Self-Administered Zone	803	66	498	44	92
	Kyaukme	11,582	4,566	7,174	589	1,347
	Lashio	16,737	8,353	17,399	1,423	3,273

	Matman	1,241	20	823	72	147
	Mongmit	20,222	6,525	4,987	424	922
	Muse	6,268	916	3,504	288	649
Shan (South)	Pa Laung Self-Administered Zone	13,879	90	1,932	158	364
	Danu Self-Administered Zone	3,468	917	2,192	181	409
	Langkho	20,325	10,605	12,421	1,016	2,337
	Loilen	25,233	13,797	13,521	1,106	2,544
	Pa-O Self-Administered Zone	20,834	15,493	21,126	1,728	3,974
Tanintharyi Yangon	Taunggyi	68,539	38,798	94,740	7,750	17,824
	Dawei	21,601	4,373	17,366	1,552	3,459
	Yangon (East)	52	4	11,005	1,111	1,426
	Yangon (North)	47,057	39,330	118,008	11,948	15,544
	Yangon (South)	2,817	1,171	13,154	1,337	1,783
	Yangon (West)	11	1	7,705	778	998

# Learn more about ADAM



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