

# ADAM

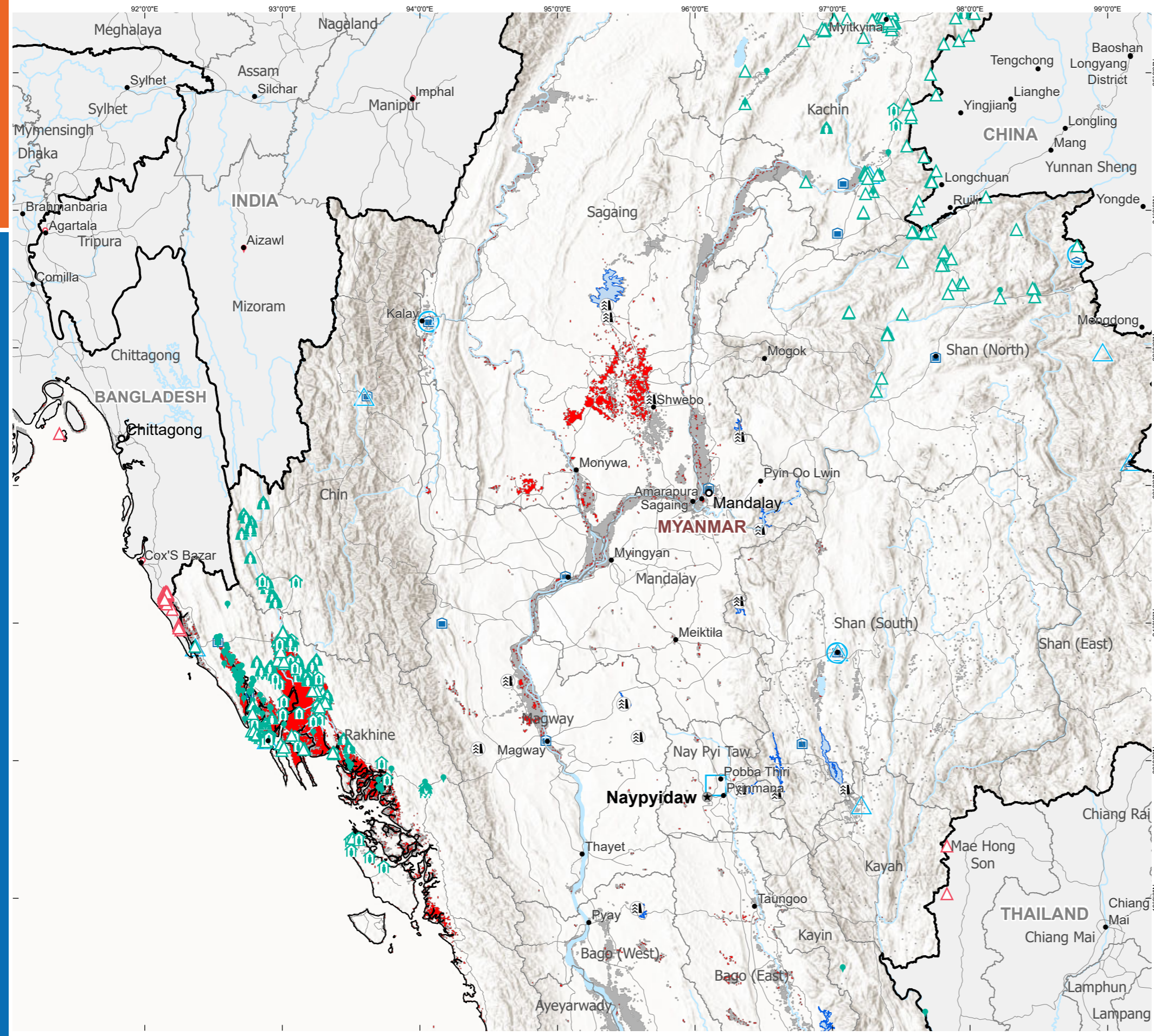
Advanced Disaster Analysis & Mapping

## Flood Impact Analysis Myanmar

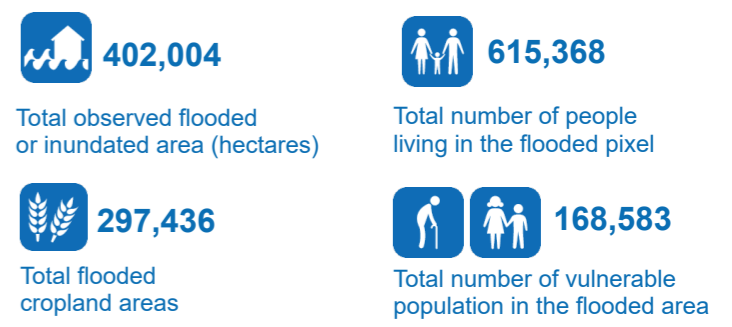
Update #2

Maximum Flood Extent  
18 May 2023

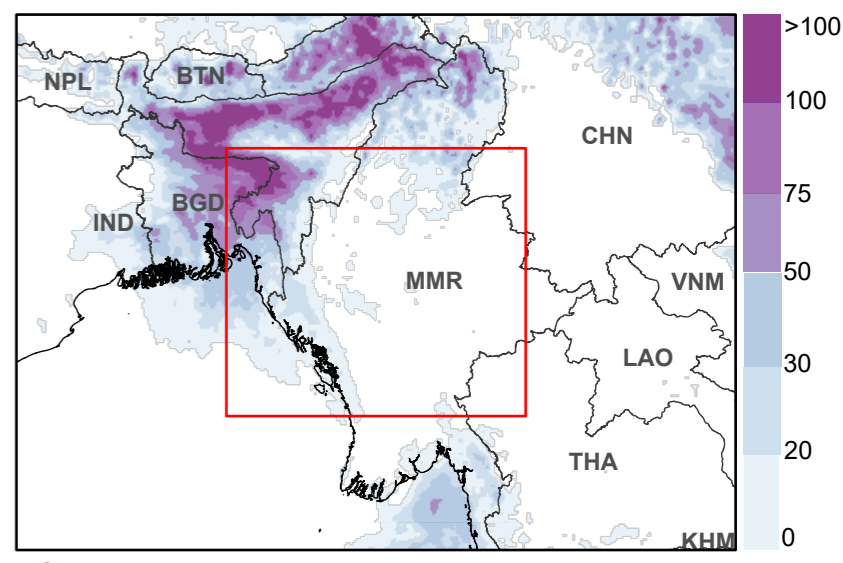




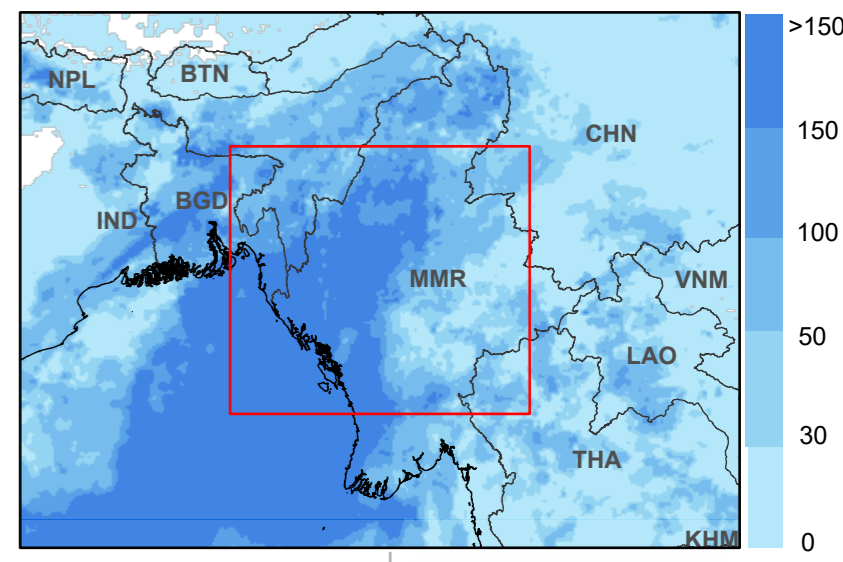
**Rapid Flood Impact Summary**



**Next 5-days rainfall forecast**



**Past 7-days rainfall accumulation**



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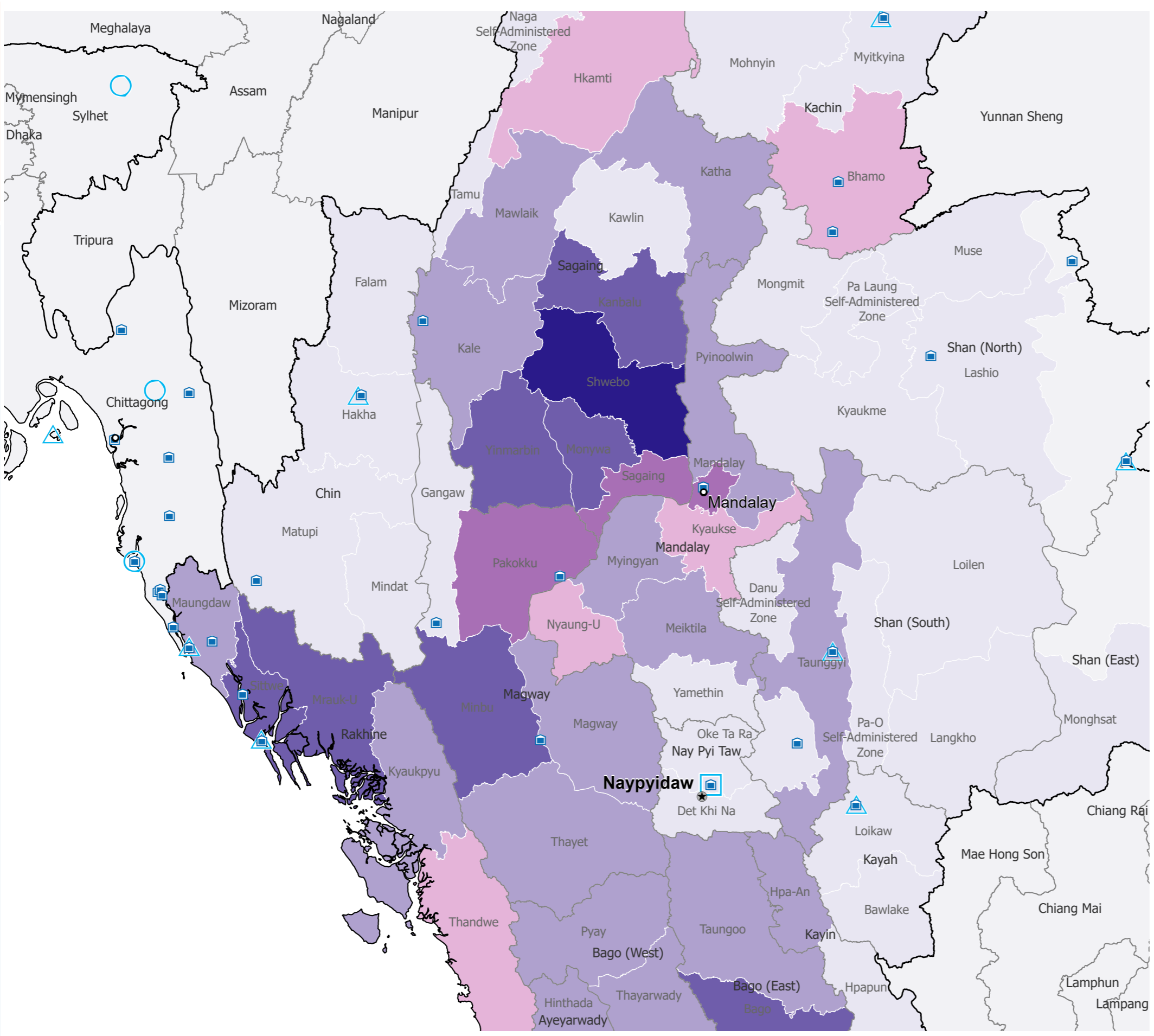
**aer** Atmospheric and Environmental Research

**FloodList**

**IPCC** 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
- Population of Concern (UNHCR)**
- IDP, spontaneous location
  - IDP, unplanned settlement
  - IDP, planned settlement
  - IDP, centre
  - Refugee, arrangement (hosted or rental)
  - Refugee, planned settlement
- \*Data displays the maximum combined NOAA VIIRS and Floodscan flood extent detection on the date specified on the map*



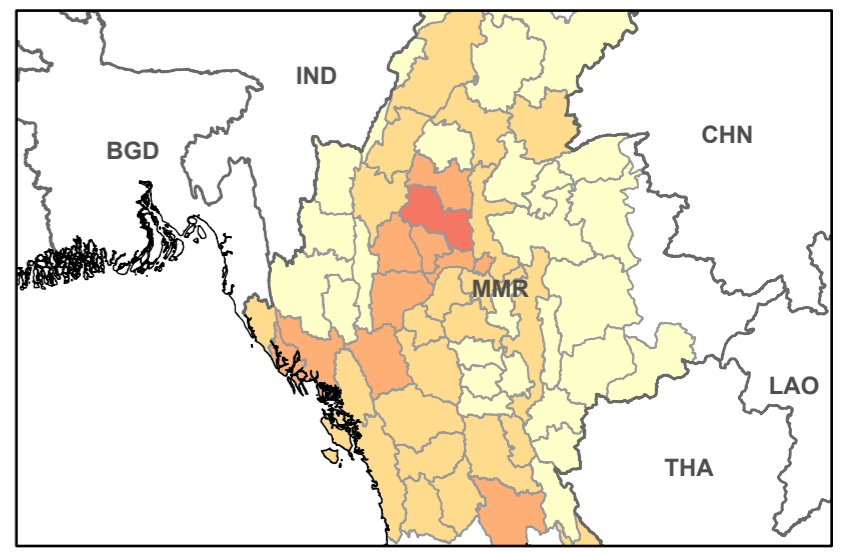
**Flood Impact Data Aggregation**

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.

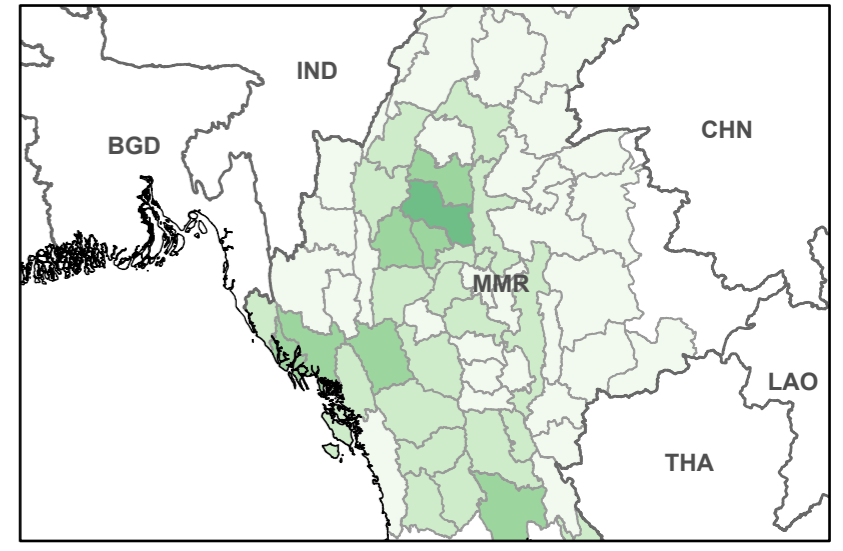
Global Data Sources:  
Population - WorldPop 2022  
Cropland Areas - NASA GFSAD30



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



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



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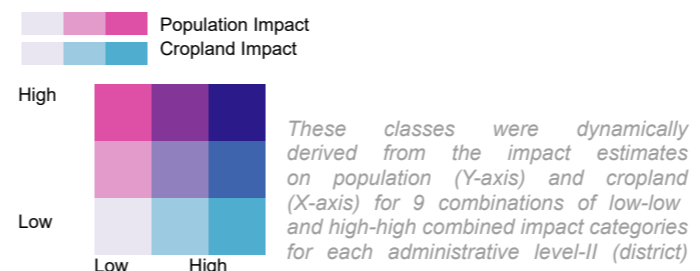
Advanced Disaster Analysis and Mapping

- Country Office
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- International Boundary
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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)**



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

Date Created: 18 May 2023 - Contact: [hq.gis@wfp.org](mailto:hq.gis@wfp.org)  
Map Reference: SOM\_FL\_Aggregation\_20230518\_00

# Myanmar 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)<br>Region | (Admin unit 2)<br>District | Flooded Area (hectares) | Flooded Cropland (hectares) | Potentially Impacted Population* |                     |                    |
|--------------------------|----------------------------|-------------------------|-----------------------------|----------------------------------|---------------------|--------------------|
|                          |                            |                         |                             | Total in District                | Children (0-9 y.o.) | Elderly (>60 y.o.) |
| Ayeyarwady               | Hinthada                   | 11,835                  | 7,475                       | 12,366                           | 1,314               | 2,103              |
| Bago (East)              | Bago                       | 13,469                  | 10,541                      | 21,006                           | 2,331               | 3,383              |
|                          | Taungoo                    | 7,417                   | 6,931                       | 16,714                           | 1,860               | 2,707              |
| Bago (West)              | Pyay                       | 5,910                   | 3,939                       | 13,315                           | 1,485               | 2,155              |
|                          | Thayarwady                 | 8,420                   | 5,895                       | 12,670                           | 1,402               | 2,063              |
| Chin                     | Matupi                     | 508                     | 47                          | 300                              | 27                  | 74                 |
| Kachin                   | Bhamo                      | 1,499                   | 648                         | 1,114                            | 88                  | 192                |
|                          | Myitkyina                  | 985                     | 641                         | 917                              | 67                  | 160                |
| Kayah                    | Bawlake                    | 715                     | 46                          | 419                              | 30                  | 88                 |
|                          | Loikaw                     | 171                     | 49                          | 328                              | 23                  | 69                 |
| Kayin                    | Hpa-An                     | 2,130                   | 1,913                       | 5,531                            | 533                 | 1,167              |
| Magway                   | Gangaw                     | 605                     | 316                         | 443                              | 53                  | 74                 |
|                          | Magway                     | 6,799                   | 2,631                       | 11,423                           | 1,421               | 1,763              |
|                          | Minbu                      | 17,390                  | 11,936                      | 22,603                           | 2,812               | 3,489              |
|                          | Pakokku                    | 11,470                  | 6,121                       | 20,527                           | 2,538               | 3,177              |
|                          | Thayet                     | 2,496                   | 1,050                       | 3,353                            | 417                 | 518                |
|                          | Kyaukse                    | 1,356                   | 512                         | 2,373                            | 257                 | 348                |
| Mandalay                 | Mandalay                   | 1,530                   | 1,124                       | 22,583                           | 2,447               | 3,337              |
|                          | Meiktila                   | 1,293                   | 1,164                       | 4,152                            | 450                 | 607                |
|                          | Myingyan                   | 4,477                   | 3,478                       | 7,229                            | 801                 | 1,121              |
|                          | Nyaung-U                   | 2,842                   | 863                         | 7,355                            | 830                 | 1,092              |
|                          | Pyinoolwin                 | 8,128                   | 5,862                       | 15,897                           | 1,724               | 2,333              |
|                          | Yamethin                   | 275                     | 282                         | 781                              | 85                  | 114                |
| Nay Pyi Taw              | Det Khi Na                 | 303                     | 179                         | 420                              | 43                  | 64                 |
|                          | Oke Ta Ra                  | 565                     | 372                         | 305                              | 33                  | 45                 |

|              |                             |         |        |         |        |        |
|--------------|-----------------------------|---------|--------|---------|--------|--------|
| Rakhine      | Kyaukpyu                    | 6,188   | 2,410  | 9,454   | 1,071  | 1,632  |
|              | Maungdaw                    | 6,936   | 6,450  | 5,351   | 570    | 960    |
|              | Mrauk-U                     | 45,883  | 32,489 | 65,135  | 7,374  | 11,255 |
|              | Sittwe                      | 17,552  | 12,196 | 33,487  | 3,793  | 5,782  |
|              | Thandwe                     | 4,489   | 514    | 5,399   | 611    | 932    |
| Sagaing      | Hkamti                      | 1,452   | 575    | 1,397   | 150    | 229    |
|              | Kale                        | 5,108   | 3,201  | 6,852   | 733    | 1,129  |
|              | Kanbalu                     | 21,061  | 18,761 | 24,119  | 2,582  | 3,957  |
|              | Katha                       | 6,944   | 4,493  | 7,567   | 810    | 1,242  |
|              | Kawlin                      | 856     | 594    | 563     | 60     | 92     |
|              | Mawlaik                     | 3,960   | 1,859  | 3,192   | 342    | 524    |
|              | Monywa                      | 23,251  | 19,180 | 38,338  | 4,104  | 6,292  |
|              | Sagaing                     | 8,673   | 5,645  | 22,057  | 2,363  | 3,618  |
|              | Shwebo                      | 106,375 | 96,765 | 153,982 | 16,484 | 25,269 |
|              | Yinmarbin                   | 19,660  | 13,478 | 27,557  | 2,950  | 4,523  |
| Shan (North) | Mongmit                     | 1,335   | 803    | 360     | 30     | 67     |
| Shan (South) | Danu Self-Administered Zone | 747     | 581    | 576     | 50     | 104    |
|              | Langkho                     | 810     | 274    | 496     | 41     | 93     |
|              | Loilen                      | 1,108   | 353    | 860     | 70     | 162    |
|              | Pa-O Self-Administered Zone | 1,432   | 323    | 832     | 68     | 157    |
|              | Taunggyi                    | 4,840   | 2,382  | 3,305   | 270    | 622    |

# Learn more about ADAM



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