

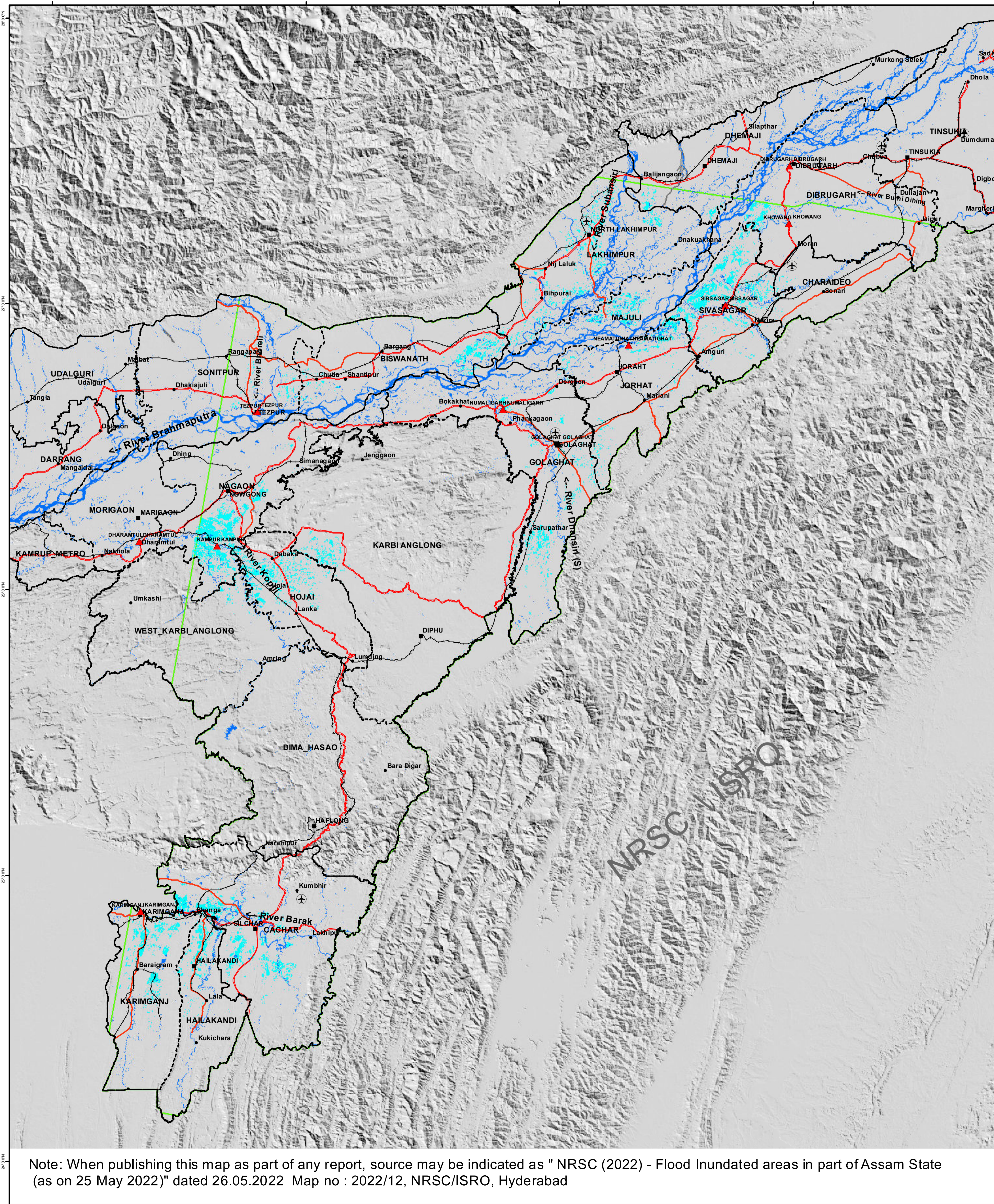
# Flood Inundated Areas in Part of Assam State

Based on the analysis of ALOS-2 PALSAR satellite data of 25-May-2022 (1100 HRS IST)

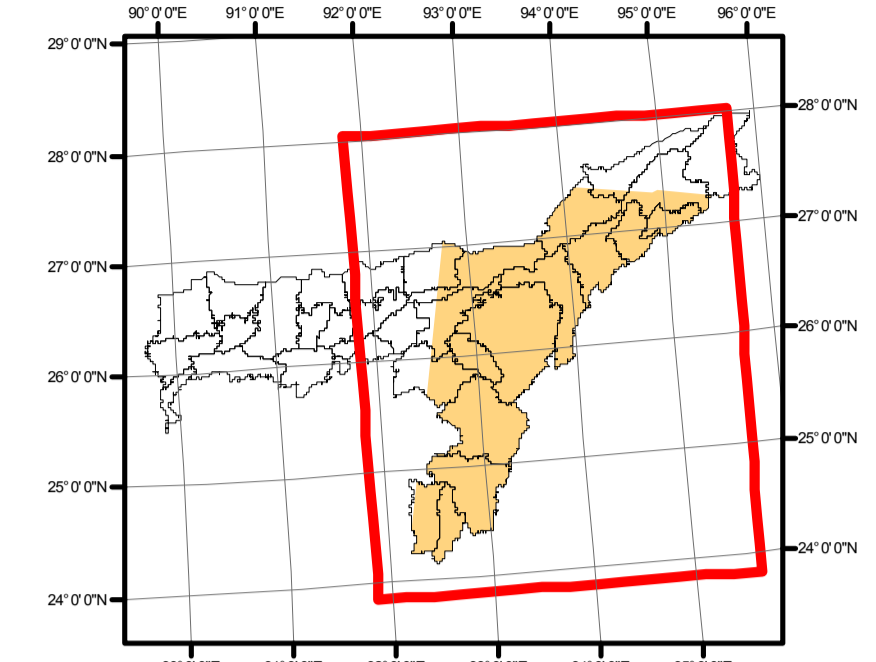
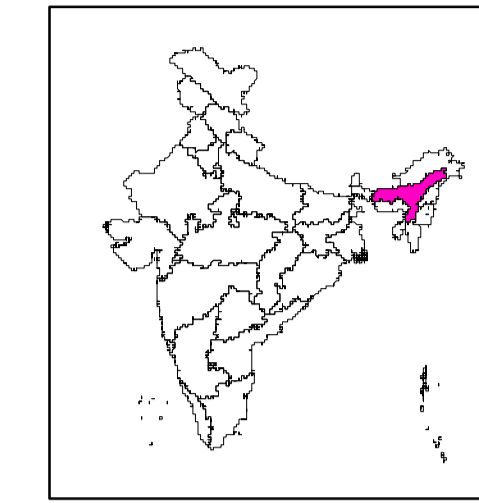
For official use

DISASTER EVENT ID: 01-FL-2022-ASSAM  
MAP ID: 2022/12

Date of Issue : 26.05.2022



## Location Map



## About the Event

Floods were reported in Assam due to heavy rains followed by rise in water levels of Brahmaputra & its tributaries during the third week of May, 2022. According to ASDMA, Govt. of Assam, Dima Hasao is the worst affected district in current spell followed by Nagaon, Hojai and Barak valley districts. According to Central Water Commission, River Kopili at Kamrup in Nagaon district, is reported to be flowing in extreme flood situation. Many other tributaries of Brahmaputra river are flowing in severe flood situation (Source: CWC, newsmedia)

## Satellite Observations

This map highlights the inundation in 17 districts of Assam State as on 25 May 2022 (1100 HRS IST).

## Satellite data used

### Pre-Flood

Satellite: ResourceSat-2  
Sensor: AWiFS  
Date of Pass: 02-Mar-2022

### Post-Flood

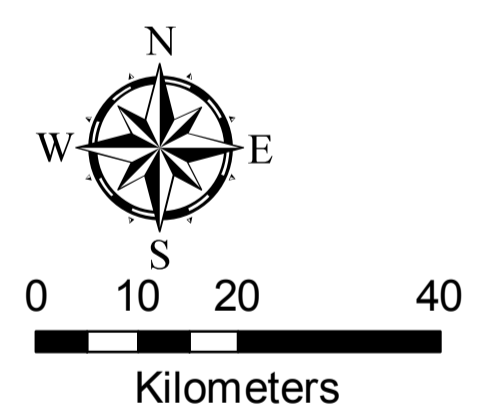
Satellite : ALOS 2  
Sensor : PALSAR  
Date of pass : 25-May-2022  
(1100 Hrs IST)

## Other data used

NRC Landuse/Landcover Data  
Background data -- Shaded Relief

## Legend

- Airport
- Settlement
- District Hq
- State boundary
- District boundary
- Railway Line
- National Highway
- Other Major Roads
- Normal river / Water bodies
- River Bank
- Flood Inundation
- CWC River Gauge- Normal Flood Situation
- CWC River Gauge- Extreme/Severe Flood Situation



This product is prepared on rapid mapping mode for immediate use and sharing amongst official agencies. This provides preliminary results.

Flood inundation may include rain water accumulation / flood water in low lying areas.

All geographic information has limitations due to the scale, resolution, date and interpretation of the original source materials.

No ground verification is done.

This map is prepared from using the ALOS-2 PALSAR satellite data acquired through Sentinel Asia activation



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Note: When publishing this map as part of any report, source may be indicated as " NRSC (2022) - Flood Inundated areas in part of Assam State (as on 25 May 2022)" dated 26.05.2022 Map no : 2022/12, NRSC/ISRO, Hyderabad