

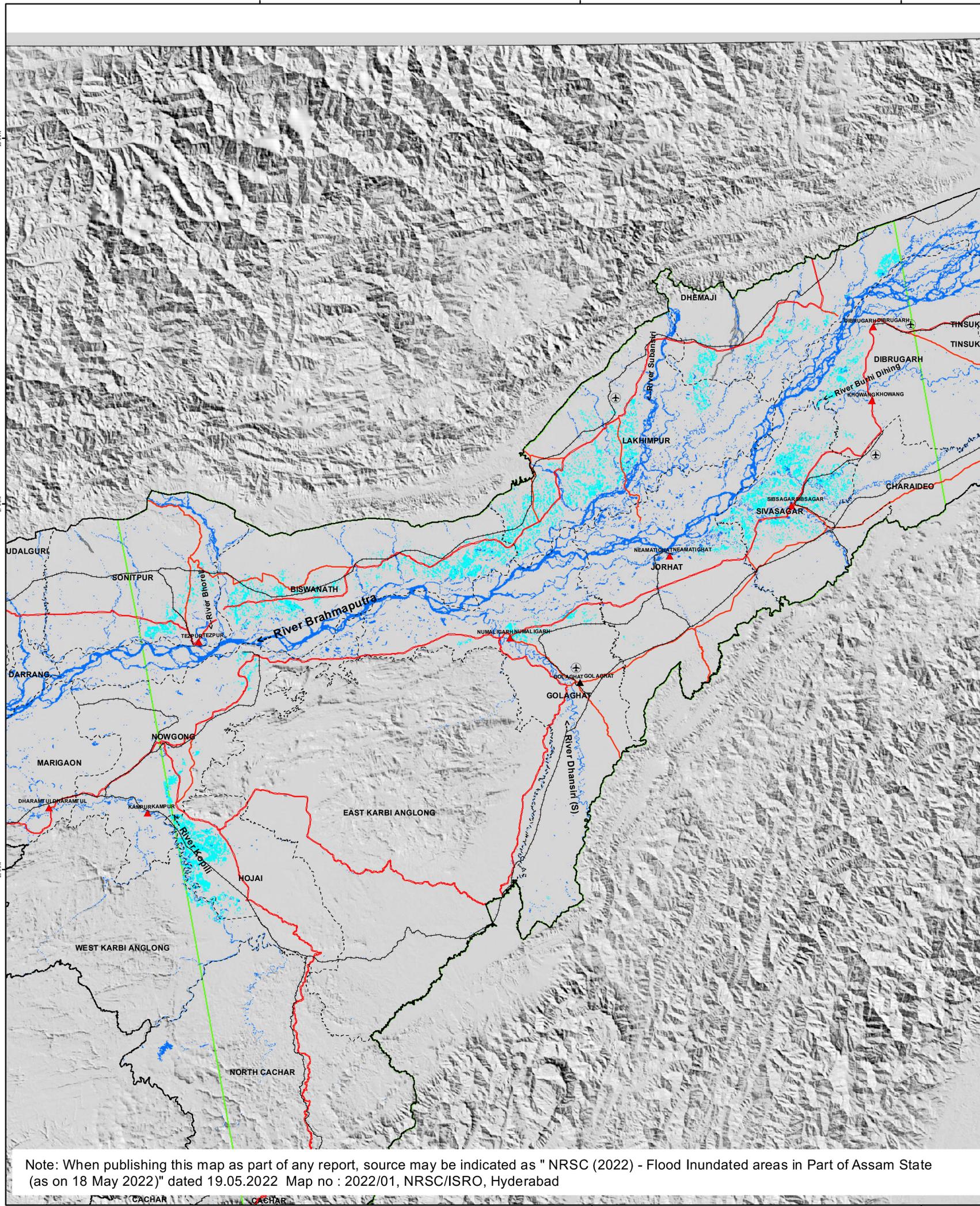
Flood Inundated Areas in Part of Assam State

Based on the analysis of Sentinel-1A SAR satellite data of 18-May-2022 (1800 Hrs)

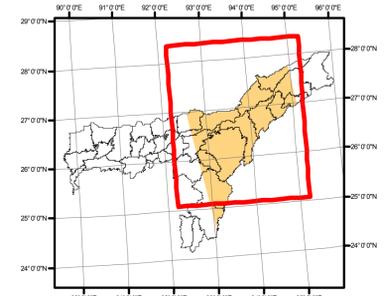
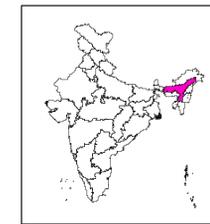
For official use

DISASTER EVENT ID: 01-FL-2022-ASSAM
MAP ID: 2022/1

Date of Issue : 19.05.2022



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 12 districts of Assam State as on 18 May 2022(1800 Hrs).

Satellite data used

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

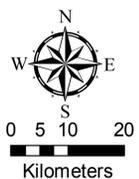
Post-Flood
Satellite : Sentinel-1A
Sensor : SAR
Date of pass : 18-05-2022
(1800 Hrs IST)

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.

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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 18 May 2022)" dated 19.05.2022 Map no : 2022/01, NRSC/ISRO, Hyderabad