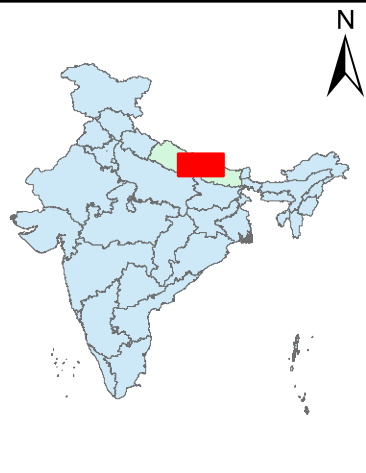


Mapping Inundation extent for Nepal and India (Uttar Pradesh) using ESA Sentinel-1 Satellite Data 13 Aug 2017



North-eastern India, southern Nepal and Bangladesh received heavy rainfall during the last few days, which caused widespread flood claiming 160 human lives and displacing millions of people from their homes. The floods imposed economic hardships among thousands of farmers due to the destruction of rice crops in the ongoing Kharif season. Monsoon floods destroyed key rice crops in Nepal and drove thousands of farmers and their families to take shelter in schools or tents on higher ground. 85 Nepalese reported missing after rivers burst their banks and killed at least 75, according to media reports. According to official records, at least six million people were affected by the floods and more than 48,000 homes have been submerged by rising waters in Nepal.

District wise satellite estimated flood extent (without river masking) – Siddharth Nagar 408 sq.km, Chitawan 254 sq.km, Kapilbastu 435 sq.km, Nawalparasi 415 sq.km and Rupandehi 329 sq.km.

Legend

Disaster Image : Sentinel-1
Date : 13 Aug. 2017

- Flood
- River/Permanent water
- District Boundary
- State boundary
- Rivers
- Road
- Cities/Town

Map Prepared by: Data Provided by:

The analysis excluded permanent water bodies including reservoir, tanks and ponds and this reflects only the inundation extent. Please note the surface water extent mapped has not yet been validated in the field.

The depiction and use of boundaries, geographic names and related data shown in these maps are based on the sources they have been drawn from and quoted. These are neither error-free nor do they imply official endorsement or the position of IWMI.

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