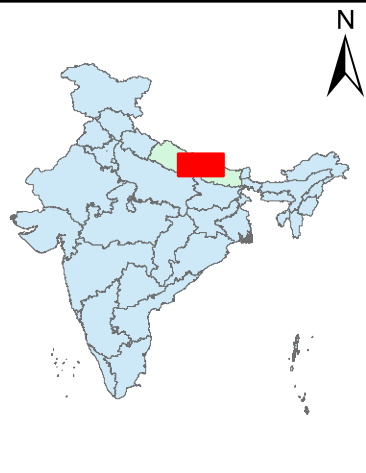


Mapping Inundation extent for Bihar (Paschim Champaran) using ESA Sentinel-1 Satellite Data 13 Aug 2017



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.

Indian state of Bihar, which receives most of the flood waters from rivers in upstream Nepal is also seriously affected in the ongoing disaster event. Four districts located along the Indian-Nepal border in Bihar Kishanganj, Araria, Purnea and Katihar districts are under high inundation affecting nearly one million people. Flood inundation and damages are also reported in other districts Darbhanga, Madhubani, Sitamarhi, Madhepura, Saharsa, Supaul as well as East and West Champaran.

District wise satellite estimated flood extent (without river masking) East Champaran 1858 km.sq, West Champaran 1276 km.sq, Maharajganj 850 km.sq, Chitawan 369 km.sq, Parsa 441 km.sq, Nawalparasi 171sq.km and Rupandehi 102 km.sq

Legend

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

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

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

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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