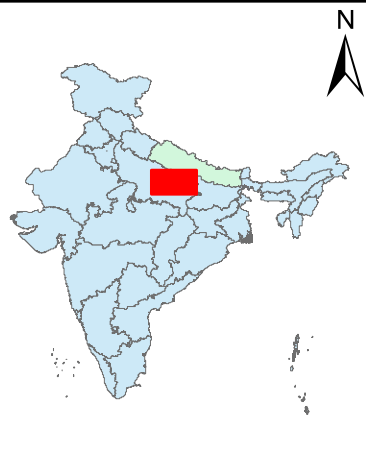


# Mapping Inundation extent for Uttar Pradesh (India) and Bardiya (Nepal) using ESA Sentinel-1 Satellite Data 14 Aug 2017



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 affected thousands of farmers.

District wise satellite estimated flood extent (without river mask) – Bahraich 699 sq.km Lakhimpur Kheri 659 sq.km Kailali 413 sq.km Banke 211 sq.km and Bardiya 270 sq.km.

**Legend**

- Flood
- River/Permanent water
- Water with crop
- District 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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