



An area of low pressure above Sri Lanka has caused heavy rainfall across the country since 14 May 2016. Some locations saw over 350 mm (13.77 inches) of rain fall in 24 hours. Floods and landslides have caused havoc in as many as 19 districts of the country, including around Colombo. The DMC report said that since 13 May, over 200,000 people have been affected, with 134,000 currently displaced and staying in 176 relief camps set up for the victims. Almost 1,300 homes have been damaged and 68 destroyed.

IWMI and DMC in close association with Sentinel Asia System (SAS) and JAXA activated the charter on May 16, 2016 to provide satellite images covering the Northern Provinces. SAS quickly provided for using/after flood extent images (16 May 2016) and before flood image European Space Agency's Sentinel-1 images (19 November 2015) for its use in emergency response and relief operation. IWMI prepared maps of the flood affected districts of Puttalam, Kurunegala and Gampaha. Notes: For interpretation of images (Black are currently flooded or permanent standing waters)

In total an area of 500 sq.km were inundated as viewed by ALOS PALSAR Satellite images taken on 16 May 2016. Approximately 157.5 sq.km of paddy fields were flooded. The data sources from Survey Department of Sri Lanka was used for this analysis purpose. Major flooded affected rivers are Me Oya, Deduru Oya and Karambalan Oya.

## Legend

Before Disaster Image: Sentinel-1A  
Date : 19 Nov. 2015  
After Disaster Image : ALOS-2 PALSAR 2  
Date : 16 May. 2016

- Division Map
- Cities/Town
- Road
- Streams

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.

