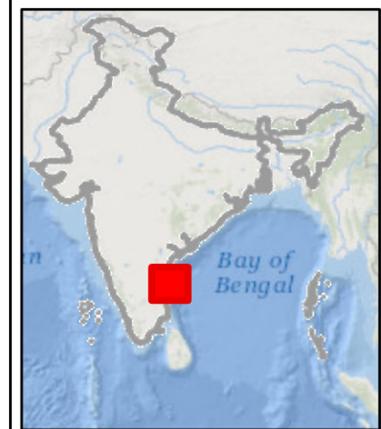


Mapping Floods in Tamil Nadu using ALOS-2 PALSAR-2 Images



Last month saw Chennai's wettest November in a century. Home to 4.3 million people, the city's rainfall of 490 mm on 1 December was the highest in 100 years. The result has been widespread flooding with many parts of the conurbation under water. Over 250 people are feared dead, with many more made homeless. On Thursday Prime Minister of India Narendra Modi surveyed the submerged state capital and adjoining areas and announced an immediate relief of 300million USD for flood-hit Tamil Nadu.

IWMI in cooperation with Sentinel Asia in particular Japan Aerospace Exploration Agency (JAXA) activated disaster charter for December 03, 2014 at 16:43hours using ALOS-2 PALSAR-2 images. The images clearly highlight areas of standing water in and around Chennai city. Approximately 25sq.km is still inundated by extreme rainfall between Nov 30 and Dec 2, 2015. Further the JAXA made new satellite acquisition for December 09, 2015 to get update on the flood condition. The areas around Chennai namely Thiruvallur, Ponneri are still with flood water.

The maps can be very well used by NDRF, assessment on flood insured losses and aid agencies to understand the areas where floods are receding and standing water to prepare emergency response maps in support of relief

Legend

Flood Date : 09 December 2015
Satellite Image : ALOS2 PALSAR-2

- 09 Dec. 2015 (Post Disaster)
- Crop with standing water
- Roads
- Waterways
- District boundary
- Railways
- Places

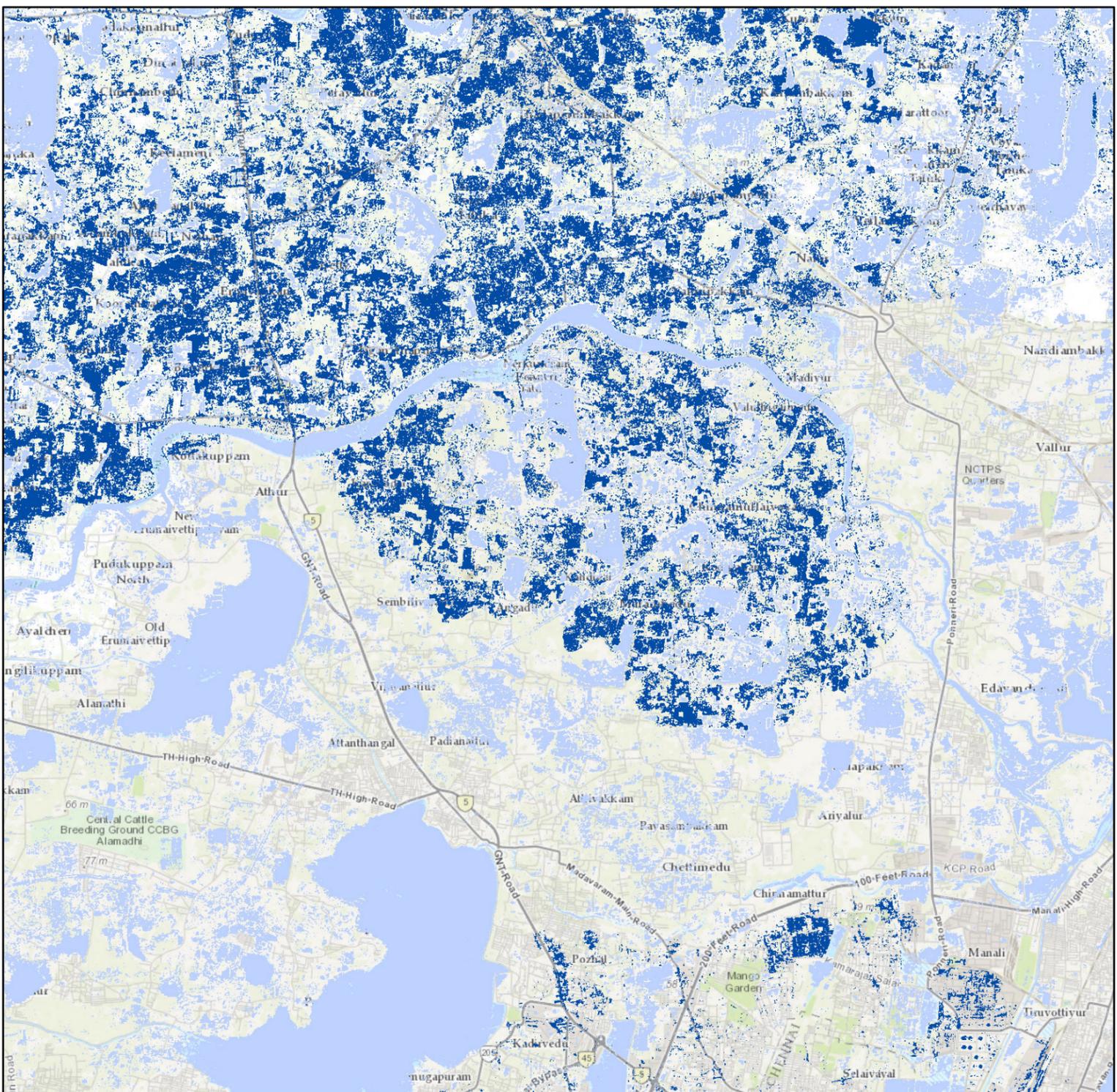
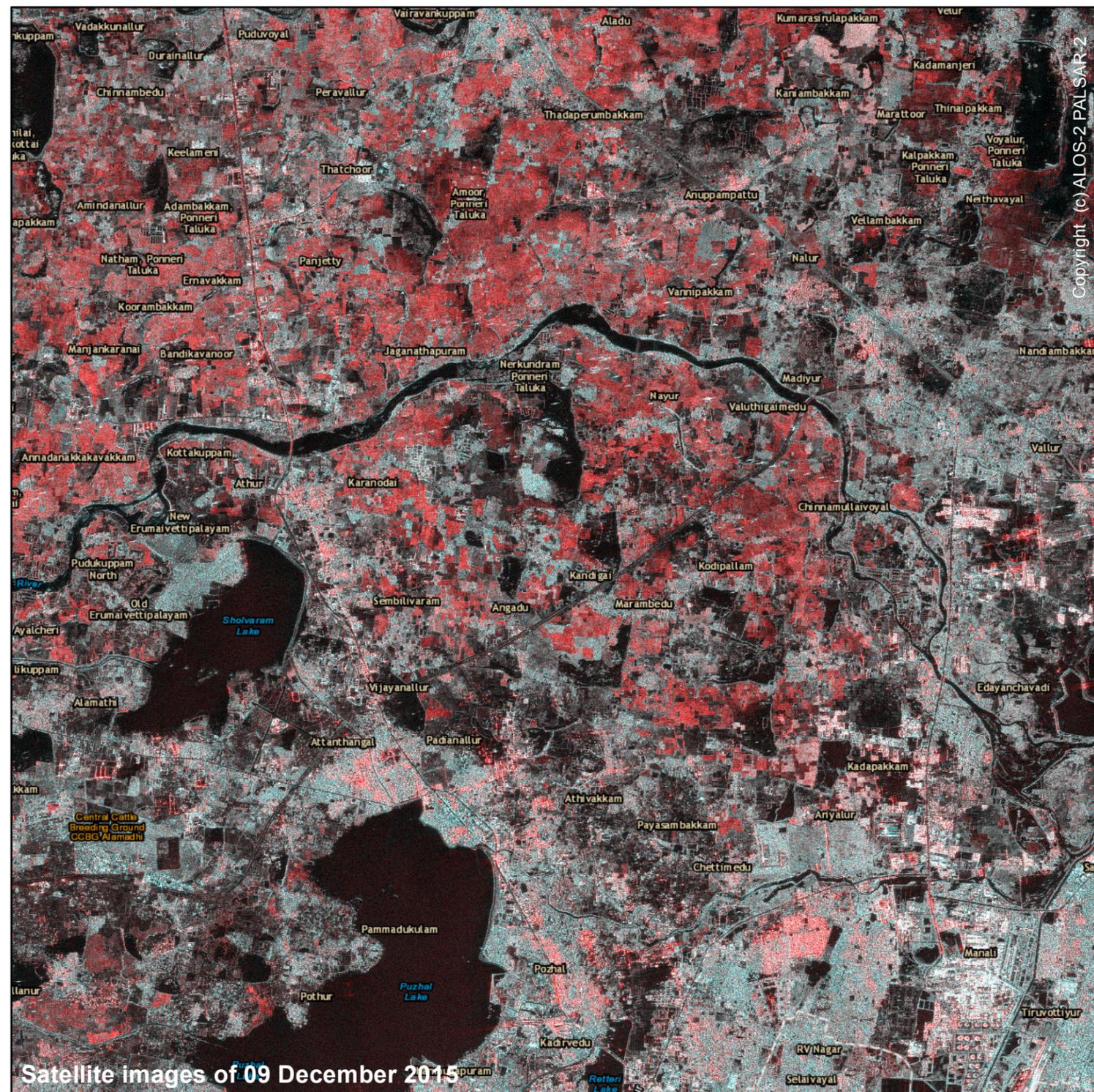
Map Prepared by:



Data Provided by:



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.



Satellite images of 09 December 2015

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