

# Flood Waters at South of Thatta and Surrounding Areas, Sindh Province, Pakistan



This map shows daily variation in flood water extent along the Indus rivers in parts of Sindh provinces based on MODIS Terra datasets from August 26 to August 28, 2010.

Our analysis shows that a increase of flood waters has further inundated the south of Thatta town and affected several villages. More than 11,151.68 square meters flood waters have advanced towards Panhwar and Western side of Sujawal town. Increase in flood waters will continue due to the rising water level from the Kotri Barrage. Over all the last 24hrs identifies atleast 50 villages and 30 kilometers of roadways were severely affected using the geospatial data and observation from Google earth.

This analysis also used Pre river line MODIS data for September 19, 2009 to show identify flood water only. Please note that water bodies likely reflect an underestimation of all flood-affected areas within the map extent due to cloud, atmospheric variations and other reasons. This analysis has not yet been validated in the field. Please send ground feedback to ICIMOD / MENRIS.

Crisis Satellite data : MODIS Terra / Aqua  
Resolution : 250m  
Image date : August 26-28, 2010  
Source : NASA  
Pre-flood Image : MODIS Terra / Aqua  
Resolution : 250m  
Image date : September 19, 2009  
Source : NASA  
Baseline Imagery : MODIS Aqua Aug 22, 2010  
Source : NASA  
GIS Data : University of Georgia, USA  
Flood Analysis : ICIMOD  
Projection : Geographic, WGS84

**Legend**

- Pre-Flood River Line (2009)
- Flood Water extent (Aug 26)
- Flood Water extent (Aug 27)
- Flood Water extent (Aug 28)
- Airport
- Heliport
- Major airfield
- Minor airport
- Division / Tehsil
- Villages/towns
- Rivers
- Rural road
- Urban road
- Railways
- Urbanized area
- Administration boundary

Map Scale for 1:1,000,000  
0 4 8 16 Kilometres  
Map layout designed for A1 Printing (36 x 24 inch)

Map prepared by: **ICIMOD**

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The depiction and use of international 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 ICIMOD

