

# Flood Waters at Shahdakt, Mehar and Surrounding Areas, Balochistan, Pakistan



This map shows daily variation in flood water extent along the Indus rivers covering south of Shahdad Kot and northern part of Mehar town, Balochistan provinces based on MODIS Terra and Aqua datasets from August 27 to August 30, 2010.

Our analysis shows that flood water has further inundated the parts of Balochistan provinces with an approx. 250 sq.km of several villages and affected cropland areas during the last 24hrs. Approx. more than 150 villages and 25 towns were identified as severely affected by flood waters and analysis was performed using geospatial database received from University of Georgia, google earth and GIS data of NIMA (USGS). Hundreds of kilometres stretch of link roads are submerged or partially inundated by flood water.

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 27-30, 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 27)
- Flood Water extent (Aug 28)
- Flood Water extent (Aug 29)
- Flood Water extent (Aug 30)
- Airport
- Helipoint
- Major airfield
- Minor airport
- Division / Tehsil
- Villages/towns
- Rivers
- Rural road
- Urban road
- Railways
- Urbanized area
- Administration boundary

Map Scale for 1:500,000  
 0 10 20 40 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

