

Flood Waters at West of Dadu, Johi and Khairpur Nathan Shah, Mehar Tehsils, Sindh Province, Pakistan



This map shows daily variation in flood water extent covering Jati and Shah Bunder Tehsils along the Indus rivers in parts of Sindh provinces based on MODIS Terra datasets from September 1 and September 5-8, 2010.

More than 160 sq.kms of flood waters have inundated /submerged covering villages of Johi, Goth Dadani, Goth Nawab, Gul Muhammad Khan covering Tehsils of Johi, south of Khairpur Nathan Shah of Western side of Dadu town. Flood waters has resulted in inundated cropland and infrastructure damages for the study area as observed on September 7-8, 2010.

For the Mehar Tehsil approx. 53 sq.kms of flood waters has inundated several villages and cropland areas as observed on September 8, 2010 covering villages of Bundan, Kotli, Kolachi, Ambar, Rawatkhani, Gorkan, Kartani and other villages.

This analysis also used Pre river line MODIS data for September 19, 2009 to show identify flood water only. 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 : Sep 1 and Sep 5-8 2010
Source : NASA
Pre-flood Image 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 (Sep 01)
- Flood Water extent (Sep 05)
- Flood Water extent (Sep 06)
- Flood Water extent (Sep 07)
- Flood Water extent (Sep 08)
- Airport
- Heliport
- Major airfield
- Minor airport
- Division / Tehsil
- Villages/towns
- Rivers
- Rural road
- Urban road
- Railways
- Urbanized area
- Administration boundary

Map Scale for 1:250,000
 0 4.5 9 18 Kilometers
 Map layout designed for A1 Printing (36 x 24 inch)

Map prepared by: **ICIMOD**
 Supported by: **USAID**, **SERVIR Himalaya**, **NASA**

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

