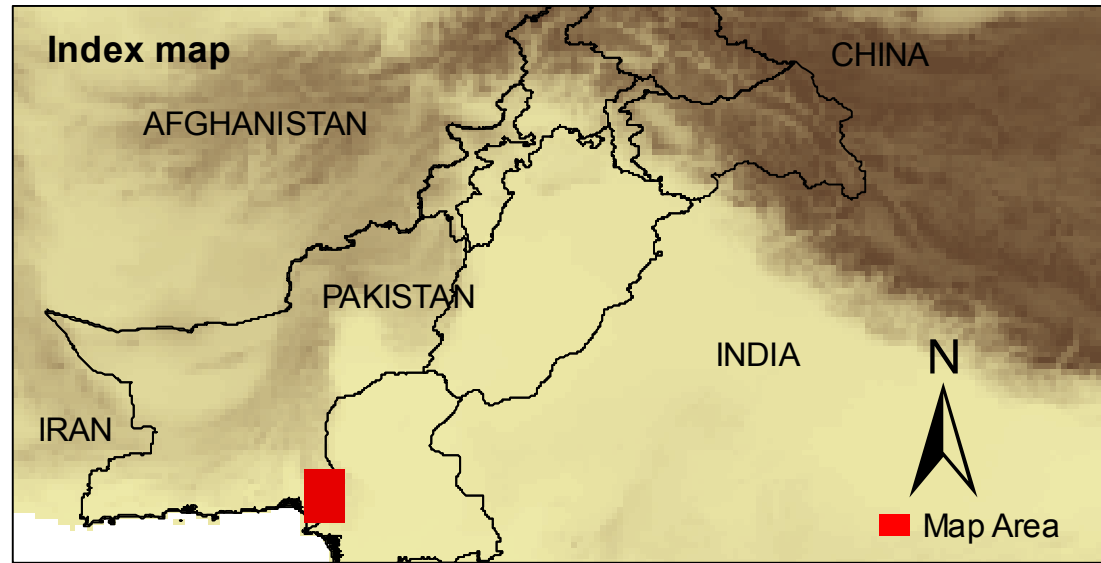


Flood Waters at South of Thatta, Jati and Shad Bundur Tehsils, Sindh Province, Pakistan

09 September 2010
FL-2010-000141-PAK
Version 1.0



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.

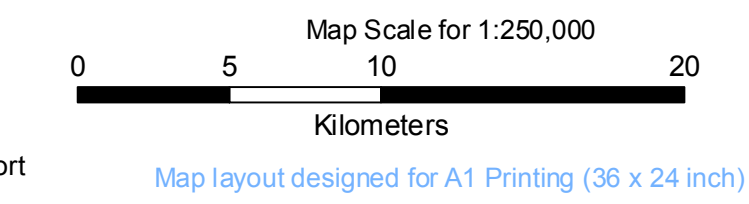
Floodwaters over the week has inundated the coastal towns of Jati, Chuhar, Machi and Mali towns. Approx. 600 sq.kms of flood waters has inundated several villages and cropland areas for the study area as observed on September 1 - 8, 2010.

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.

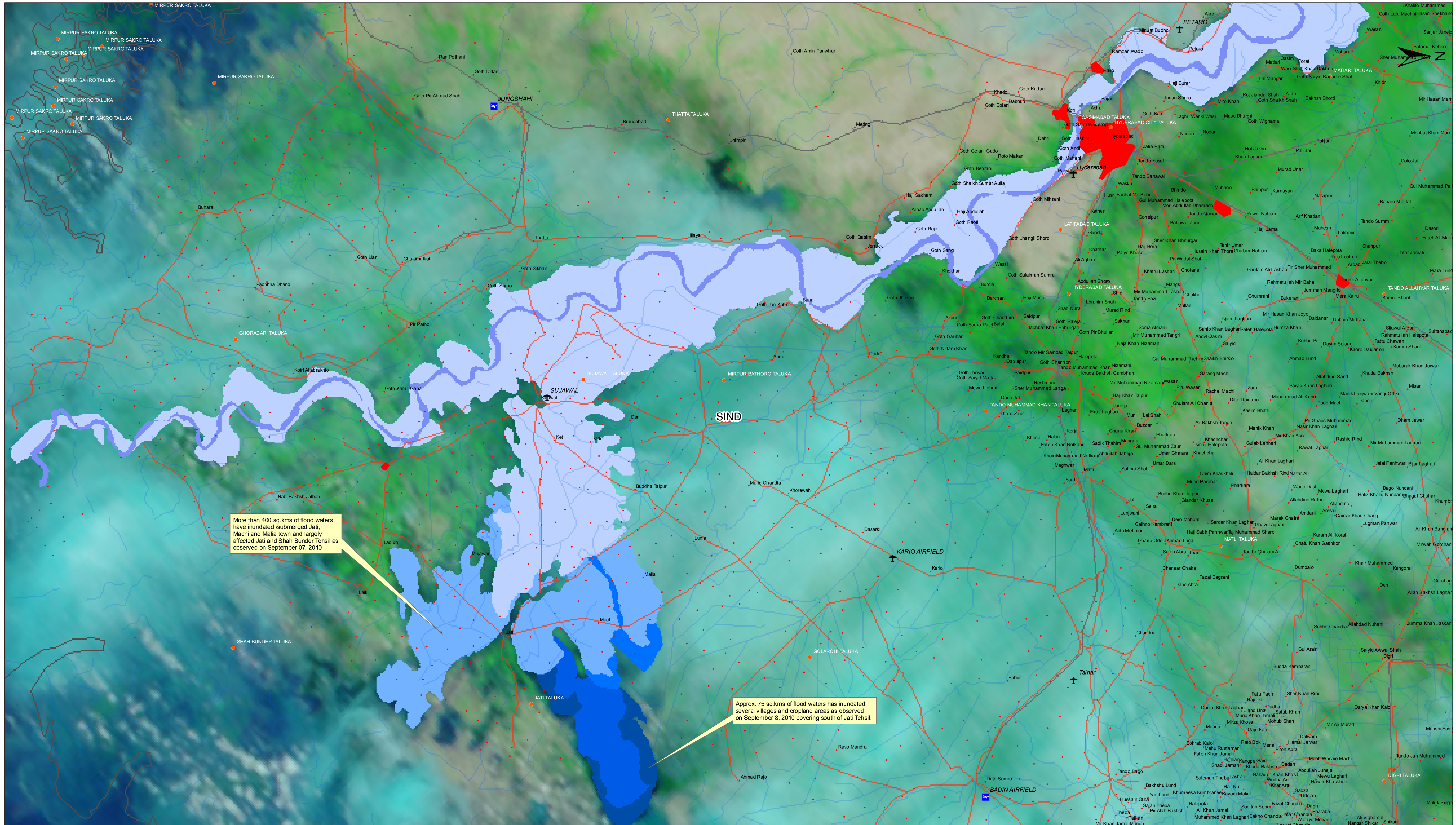
Crisis Satellite data : MODIS Terra / Aqua
Resolution : 250m
Image date : Sep 1 and Sep 5-8 2010
Source : NASA
Pre-flood Image : MODIS Terra / Aqua
Resolution : 250m
Image date : September 19, 2009
Source : NASA
Baseline Imagery : MODIS Aqua Aug 22, 2010
Source : NASA
GIS Data : University of Georgia, USA
Flood Analysis : ICIMOD
Projection : Geographic, WGS84

Legend

- Pre-Flood River Line (2009)
- Flood Water extent (Sep 01)
- Flood Water extent (Sep 05)
- Flood Water extent (Sep 06)
- Flood Water extent (Sep 07)
- Flood Water extent (Sep 08)
- Airport
- Helipoint
- Major airfield
- Minor airport
- Division / Tehsil
- Villages/towns
- Rivers
- Rural road
- Urban road
- Railways
- Urbanized area
- Administration boundary



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



More than 400 sq.kms of flood waters have inundated /submerged Jati, Machi and Mali town and largely affected Jati and Shah Bunder Tehsil as observed on September 07, 2010

Approx. 75 sq.kms of flood waters has inundated several villages and cropland areas as observed on September 8, 2010 covering south of Jati Tehsil.