

Post Flood Temporal Analysis along the Indus River, Sindh, Southern Punjab and Balochistan Provinces, Pakistan

18 August 2010
FL-2010-000141-PAK
Version 1.0



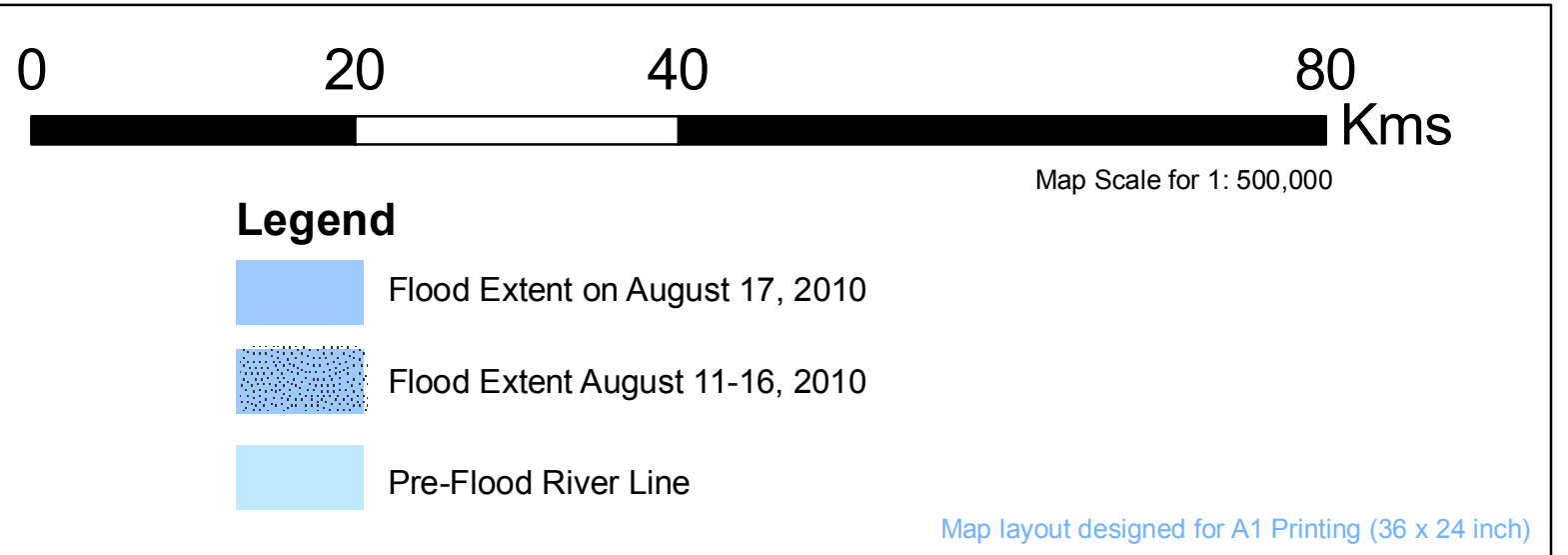
This map represents a temporal variations of flood extent along the Indus rivers in Sindh, southern Punjab and Balochistan provinces based on MODIS Terra and Aqua datasets covering the period of August 11 - 17, 2010.

Analysis show that the flood extent has increased during the last 7 days. Over 300 villages and 50 towns were identified as severely affected by flood waters and analysis was performed using google earth and GIS data of NIMA (USGS).

This analysis is based on using Pre river line MODIS data for September 22, 2009. 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 17, 2010
Source : NASA Rapid Response
Crisis Satellite data : MODIS Terra & Aqua
Resolution : 250m
Image date : August 11 - 16, 2010
Source : NASA Rapid Response

Baseline Imagery : LANDSAT
Source : USGS
GIS Data : NIMA, USGS
Flood Analysis : ICIMOD
Projection : UTM Zone 43N, WGS84



Map prepared by: **ICIMOD**

Supported by: **USAID** (FROM THE AMERICAN PEOPLE), **SERVIR Himalaya**

Satellite data support by: **Sentinel Asia**, **NASA**, **JAXA**

The depiction and use of boundaries, geographic names and related data shown here are not warranted to be error-free nor do they imply official endorsement or acceptance by the ICIMOD.

