

P3/b(3)

10 USC 130b

Sent: Mon, 09 Aug 2010 10:00:51 -0400

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Subject: Re: Pakistan Flood Relief Conference Call -- Monday, August 09 @ 1115

[PAKISTAN NWFP Flood Affected Areas 31 07 10c Low Res A4.jpg](#)

[ITHACA Pakistan flood 20100802 Charsadda District.jpg](#)

[PAKISTAN Flood Affected Areas 01 08 10c Low Res A4.jpg](#)

[Pakistan flood 20100803 WarsakDam FloodHazard v1.jpg](#)

Colleagues:

Attached please find some useful maps of the flood situation.

The latest information is also available on the portal:

http://www.intelink.gov/wiki/Portal:2010_Pakistan_Flooding

We look forward to speaking with everyone at 1115 EDT.

Cheers,

Ed

Ed Dunn

Pakistan Desk

Multifunctional Team

U.S. Department of State

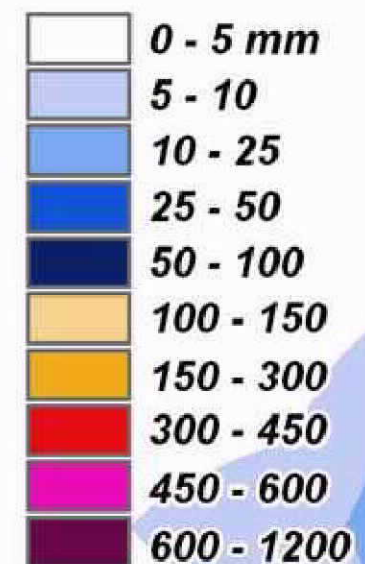
(202) 736-7906

DunnEA2@state.gov

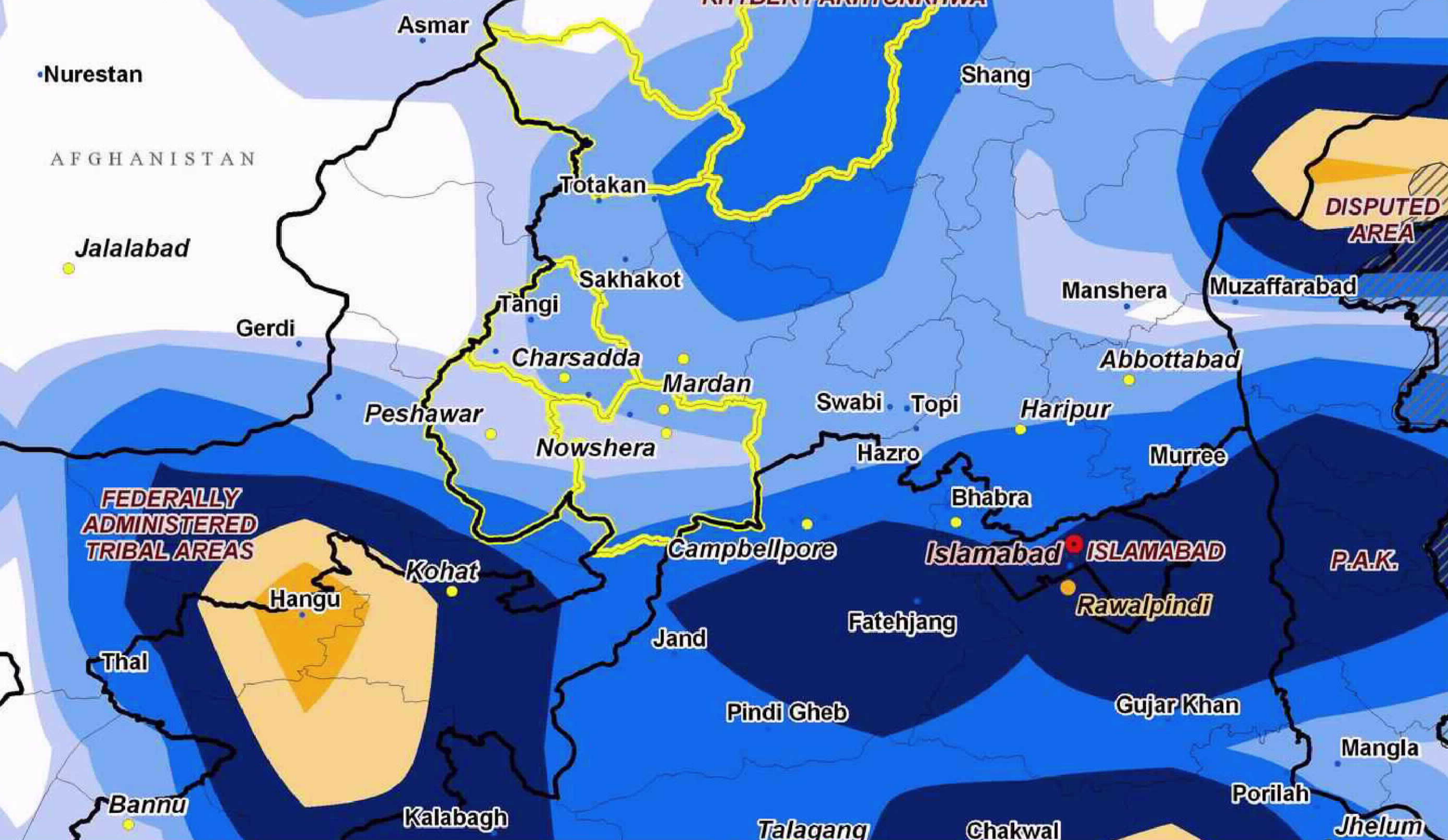
SBU

This email is UNCLASSIFIED.

**7 Day Cumulative Precipitation
Forecast (as of 31.07.10)**



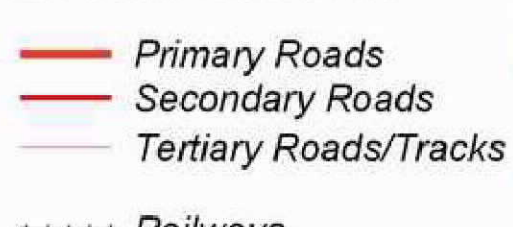
Based on the NOAA GFS meteorological model.
Data: Courtesy of NOAA NWS CPC.
Units: Millimeters (model forecasts start at 00 GMT).



**Pakistan: Khyber Pakhtunkhwa Province
Flood-Affected Areas**

Compiled by WFP Emergency Preparedness and Response
Branch (ODEP) 31.07.10

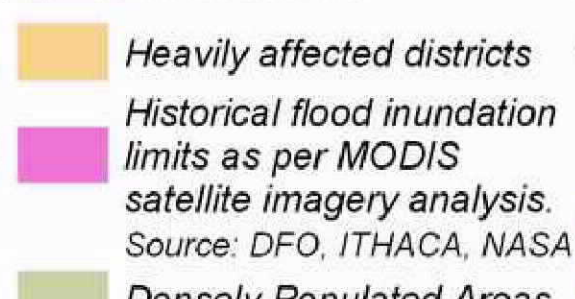
Transport Network



Settlements



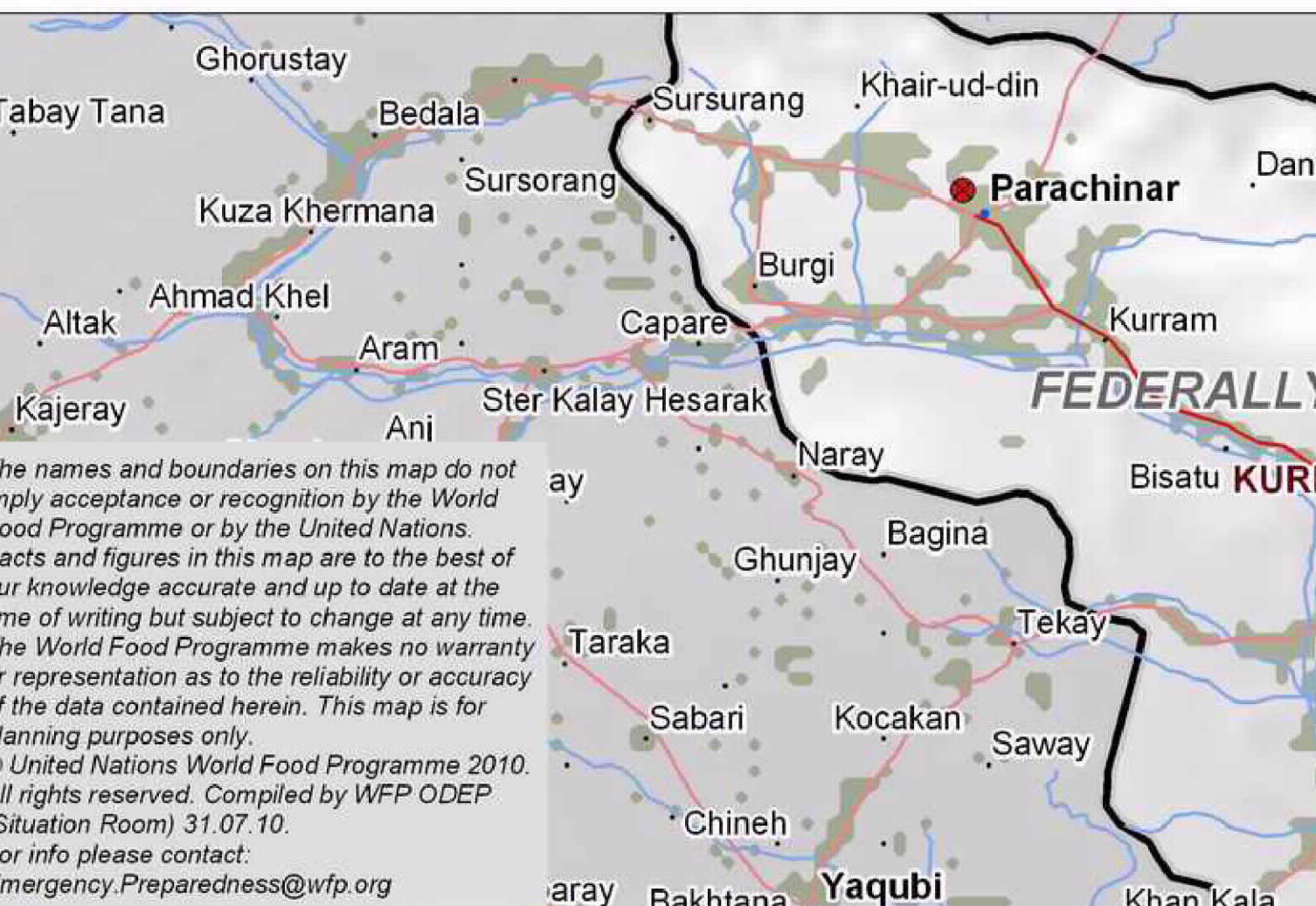
Areas of Concern



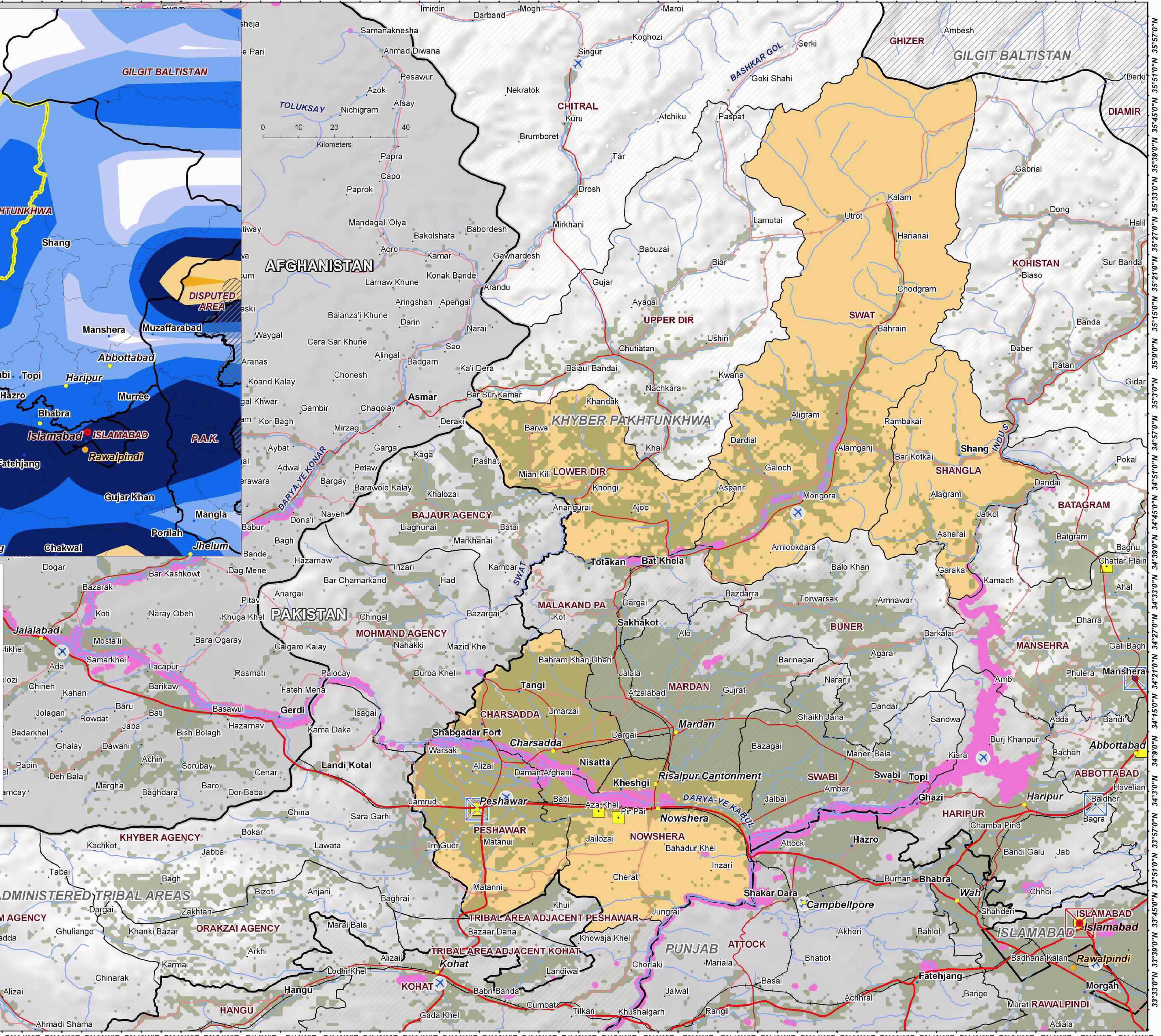
Airfields



WFP Presence



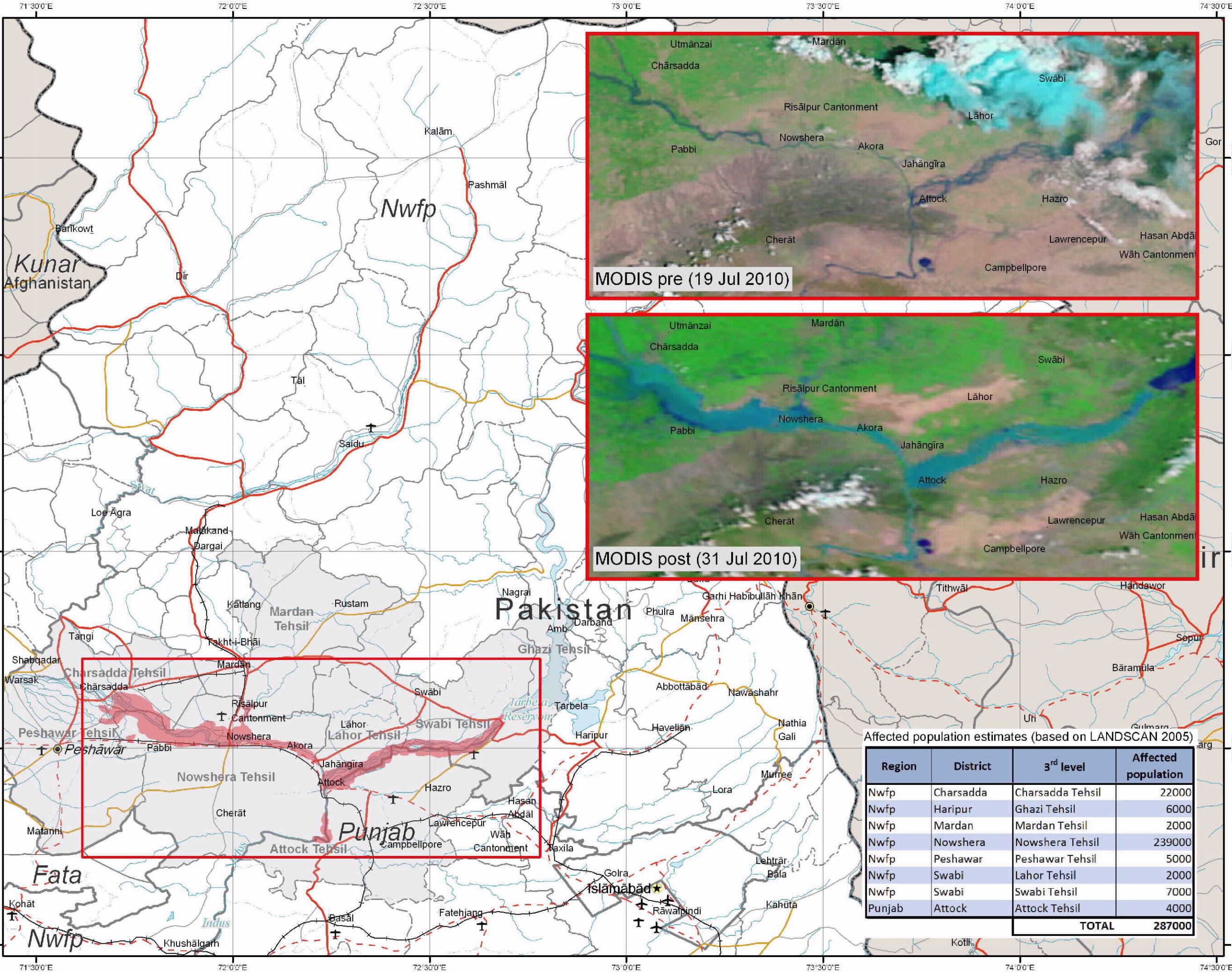
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Pakistan floods - Tarbela dam (Charsadda district) area MODIS satellite imagery multi temporal analysis

Glide number: FL-2010-000141-PAK

Publication date: 02/08/2010



Legend

- Populated place**
 - ★ 1st order capital
 - 2nd order capital
 - Other capital
 - Town
 - Settlement
 - ✈ Airports
 - ✈ Airfields/Airstrips
 - Unspecified
 - ✈ Railroad
- River/Stream**
 - ~ Perennial
 - ~ Non perennial
- Adm. boundary**
 - International
 - 1st order
 - 2nd order
 - 3rd order
- Airdrome**
 - ✈ Airports
 - ✈ Airfields/Airstrips
- Roads**
 - Motorway
 - Important Route
 - Main Route
 - Primary Route
 - Other Route
- Coastline**
 - Coastline
- Built-up Area**
 - Built-up Area
- Inland Water**
 - Inland Water
- Satellite flooded areas**
 - Satellite flooded areas

1:1,000,000 on A3 paper format
0 8 16 24 32 40 km

Geographic Coordinates - WGS84

Source for Vector Map level 0 (VMAP0) datasets was the United States National Imagery and Mapping Agency. MODIS images are available in the LAADS archive through FTP on ftp://landsfip.nascom.nasa.gov/. Names and boundaries on this map do not imply acceptance or recognition by the World Food Programme or by the United Nations. Facts and figures in this map are accurate and up to date to the best of our knowledge at the time of writing but subject to change at any time. The World Food Programme makes no warranty or representation as to the reliability or accuracy of the data contained herein. This map is for planning purposes only. © United Nations World Food Programme 2007. All rights reserved.

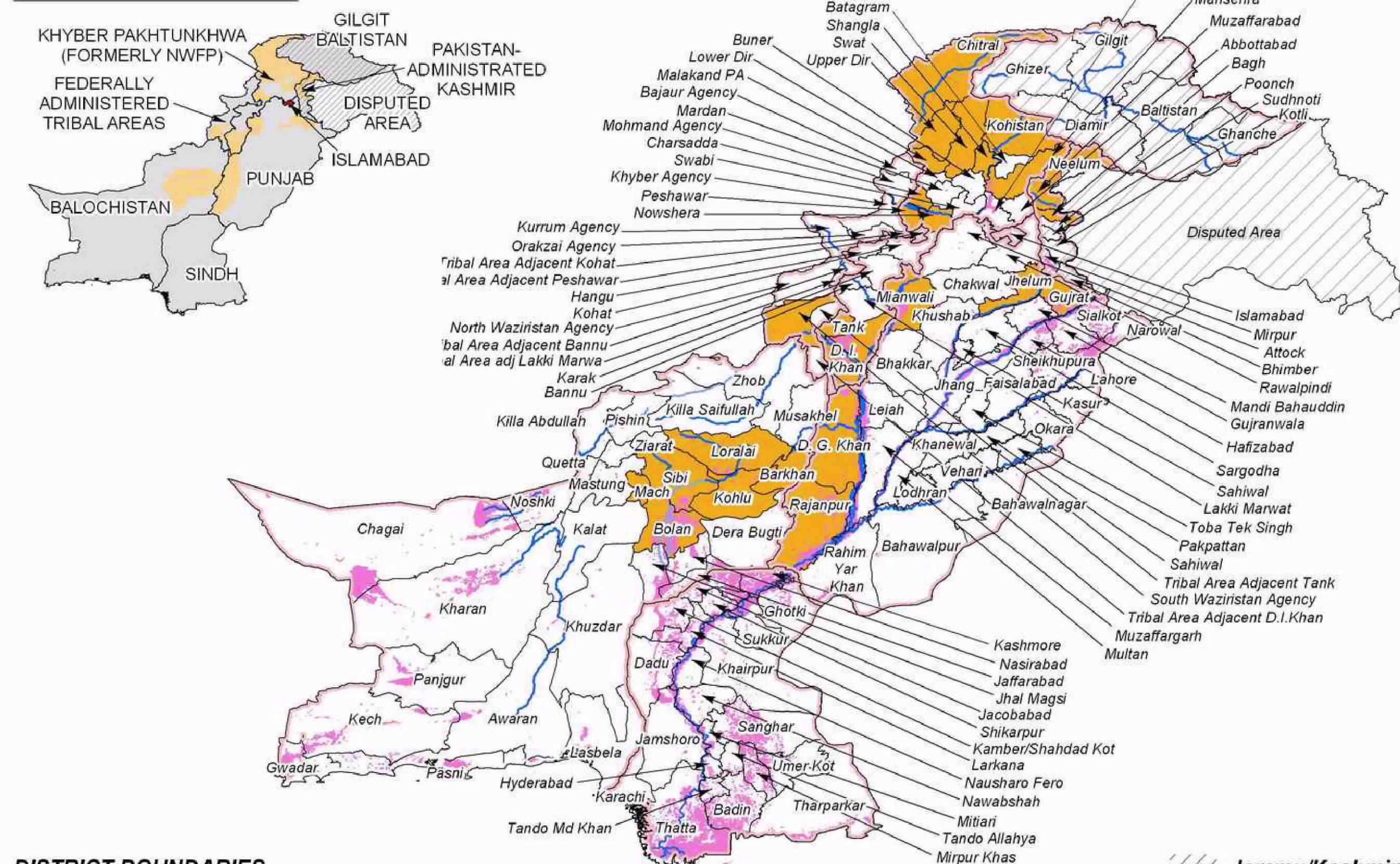
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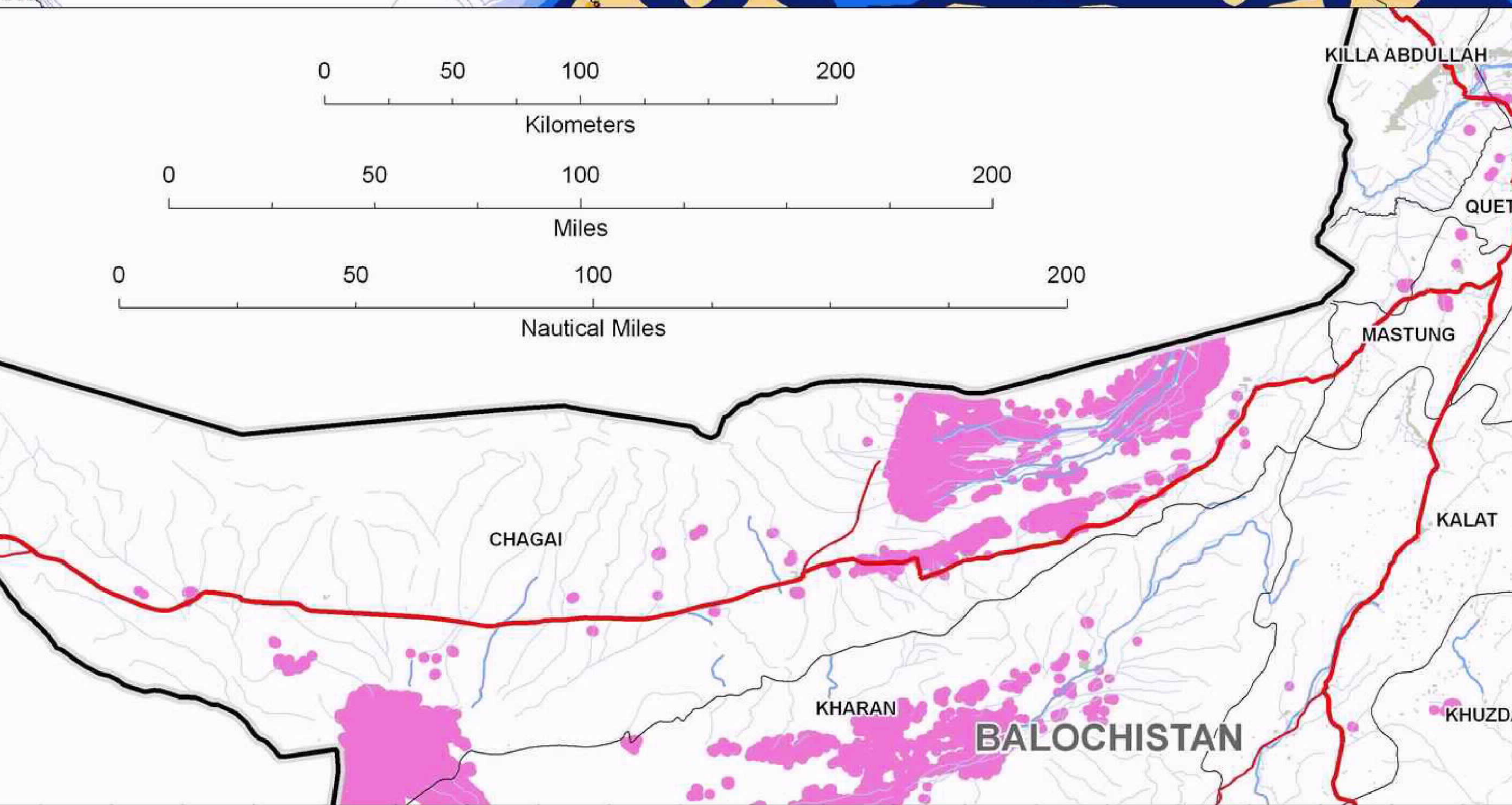
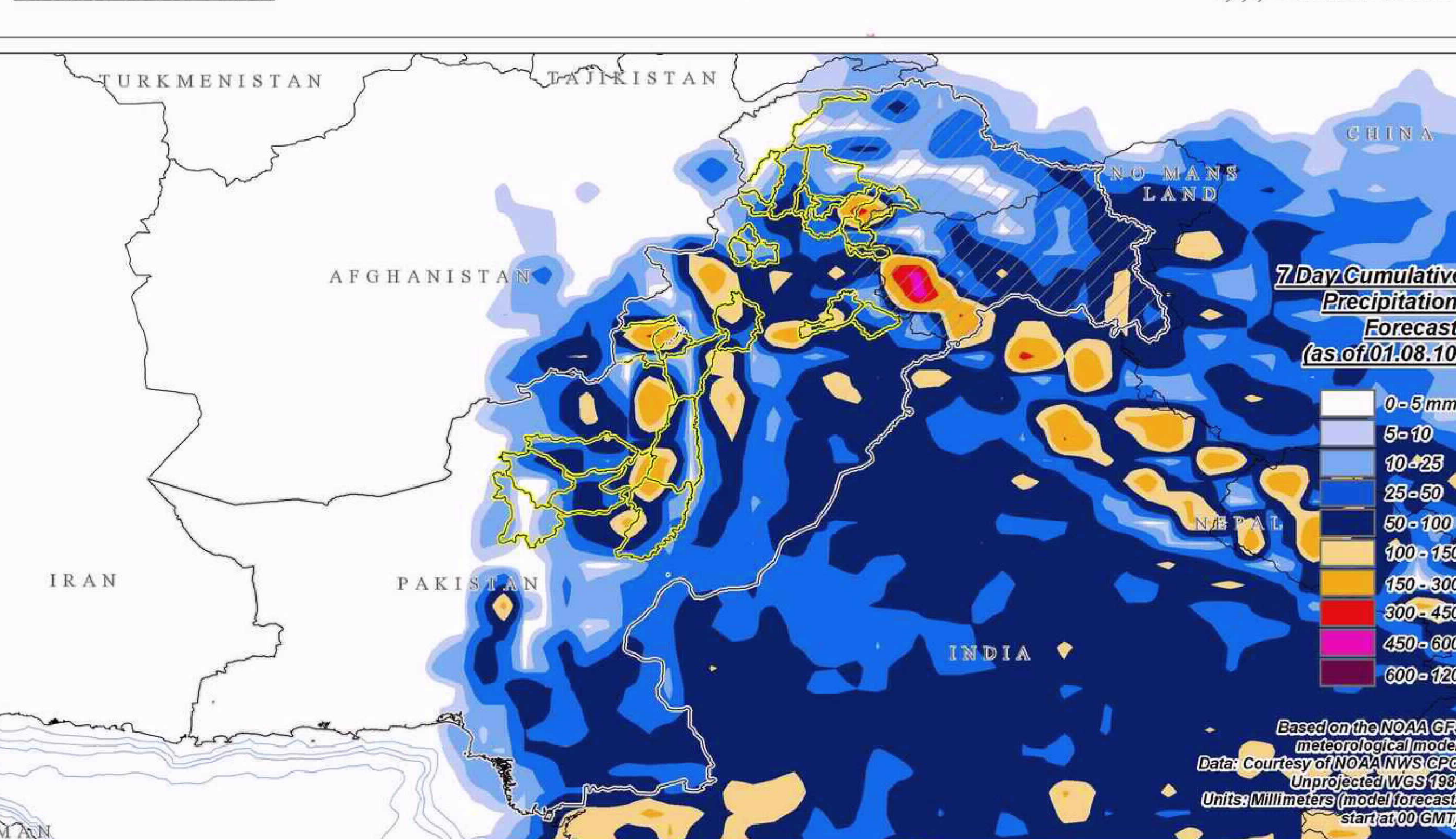
Affected population estimates (based on LANDSCAN 2005)

Region	District	3 rd level	Affected population
Nwfp	Charsadda	Charsadda Tehsil	22000
Nwfp	Haripur	Ghazi Tehsil	6000
Nwfp	Mardan	Mardan Tehsil	2000
Nwfp	Nowshera	Nowshera Tehsil	239000
Nwfp	Peshawar	Peshawar Tehsil	5000
Nwfp	Swabi	Lahor Tehsil	2000
Nwfp	Swabi	Swabi Tehsil	7000
Punjab	Attock	Attock Tehsil	4000
TOTAL			287000

PROVINCIAL BOUNDARIES



DISTRICT BOUNDARIES

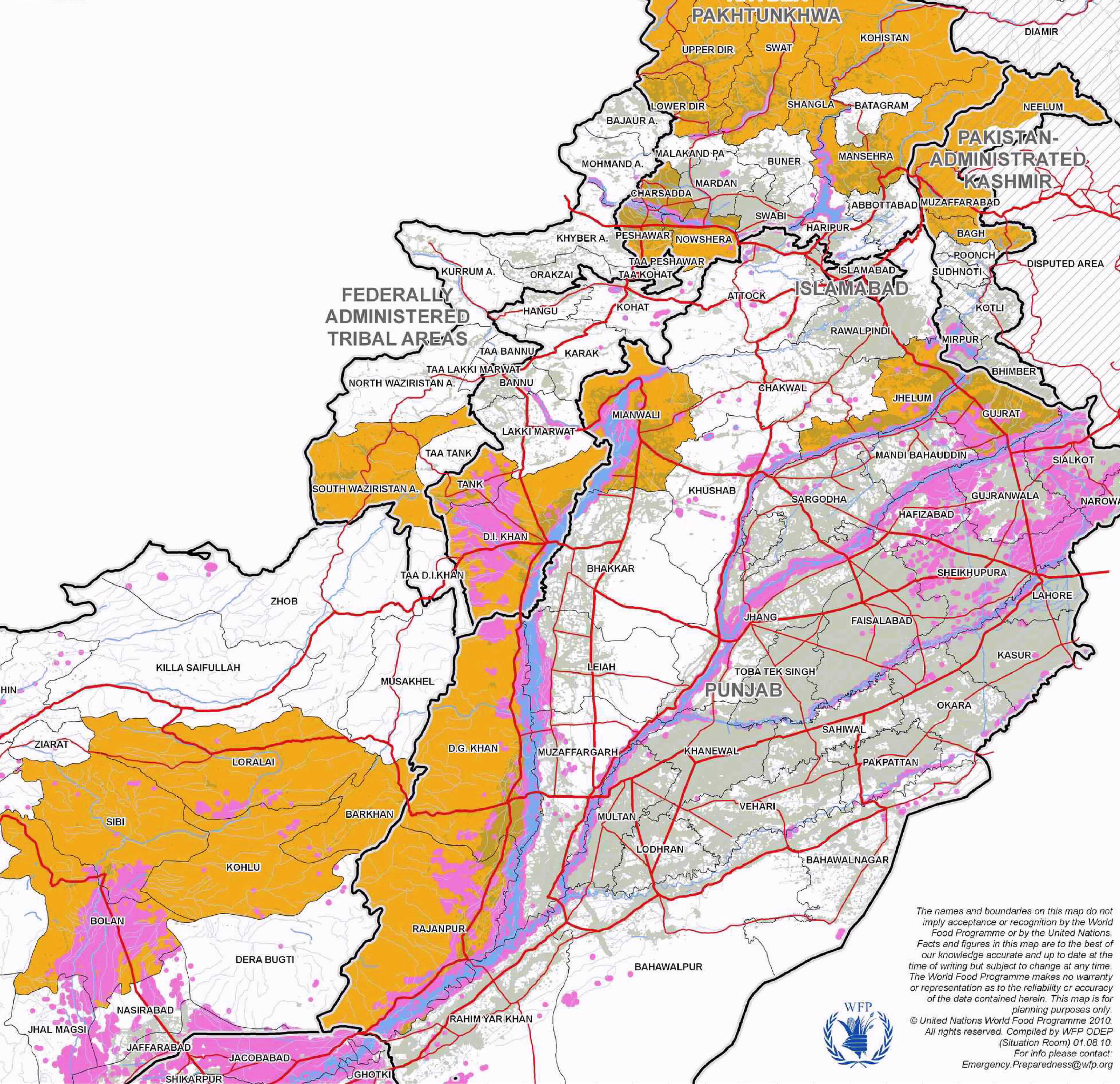


Pakistan: Flood-Affected Areas

Compiled by WFP Emergency Preparedness and Response Branch (ODEP) 01.08.10

Areas of Concern

- Heavily affected districts
Source: PRCS, ICRC, NDMA, OCHA
- Historical flood inundation limits as per MODIS satellite imagery analysis
Source: DFO, ITHACA, NASA
- Densely Populated Areas
- Primary Roads
- Secondary Roads
- Rivers



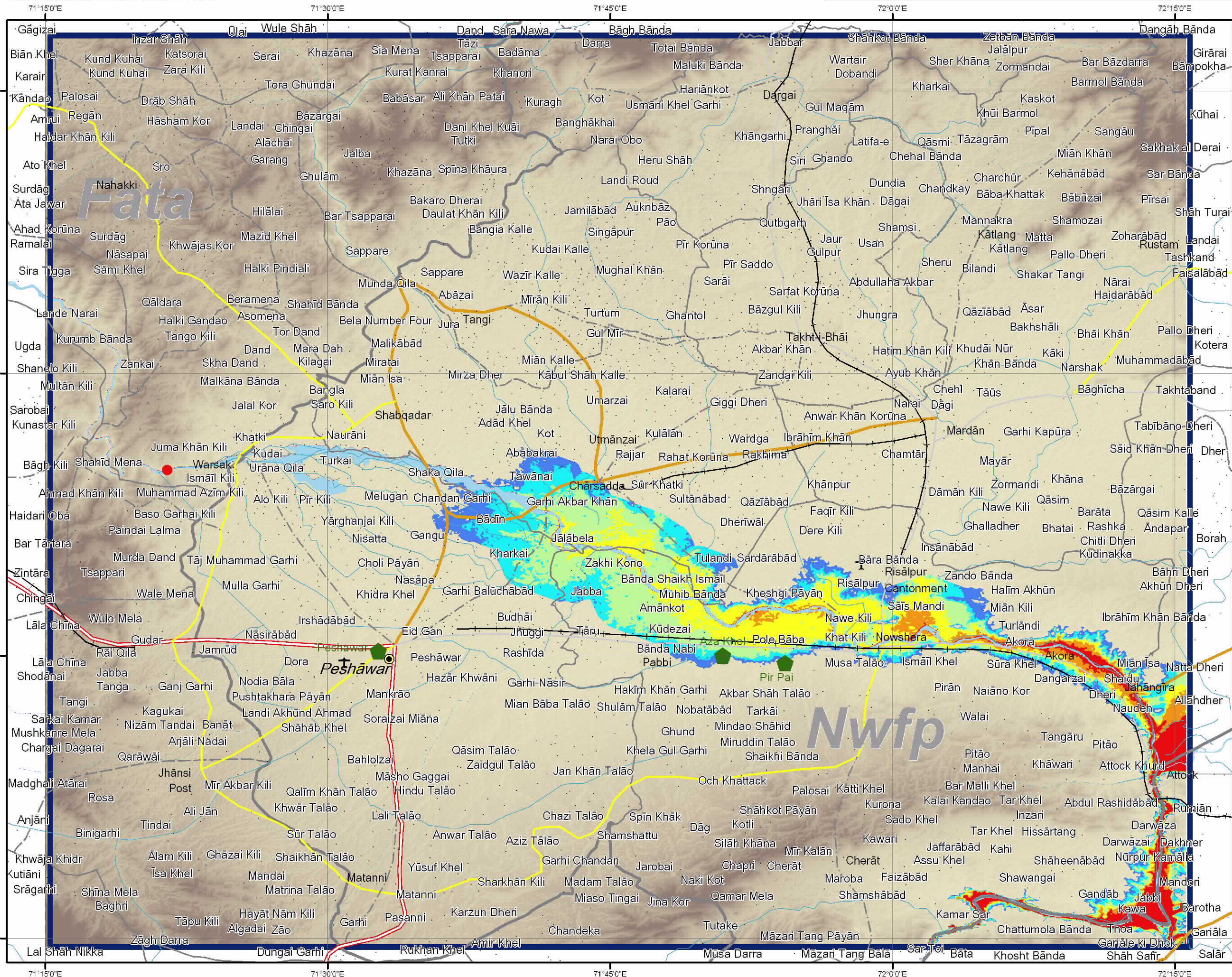
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Pakistan floods - Warsak dam, flood hazard

Glide number: FL-2010-000141-PAK

Flood hazard analysis is based on Digital Elevation Model (ASTER GDEM) and hydrographic network. No discharge data have been used

Publication date: 03/09/2010



Legend

- WFP warehouse
- Warsak dam
- Populated place
 - 1st order capital
 - 2nd order capital
 - Other capital
 - Town
 - Settlement
- Airdrome
 - Airports
 - Airfields/Airstrips
 - HLZ
 - Unspecified
- Road
 - Highway
 - Primary
 - Secondary
 - Tertiary
 - Local/Urban
 - Private
 - Trail
 - Unspecified
- River/Stream
 - Perennial
 - Non perennial
 - River/Lakes
- Adm. boundary
 - International
 - 1st order
 - 2nd order
 - 3rd order
 - 4th order
 - 5th order
 - Other
- Coastline
- Built-up Area
- Flood hazard
 - High
 - Low
- Analysis window

1:350,000 on A3 paper format
0 3 6 9 12 15 km

Geographic Coordinates - WGS84

Source for Vector Map level 0 (VMAP0) datasets was the United States National Imagery and Mapping Agency. MODIS images are available in the LAADS archive through FTP on <ftp://landsfip.nascom.nasa.gov/>. Names and boundaries on this map do not imply acceptance or recognition by the World Food Programme or by the United Nations. Facts and figures in this map are accurate and up to date to the best of our knowledge at the time of writing but subject to change at any time. The World Food Programme makes no warranty or representation as to the reliability or accuracy of the data contained herein. This map is for planning purposes only. © United Nations World Food Programme 2007. All rights reserved.

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