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Monsoon Rains & Flooding

Production Date: 02/10/2012



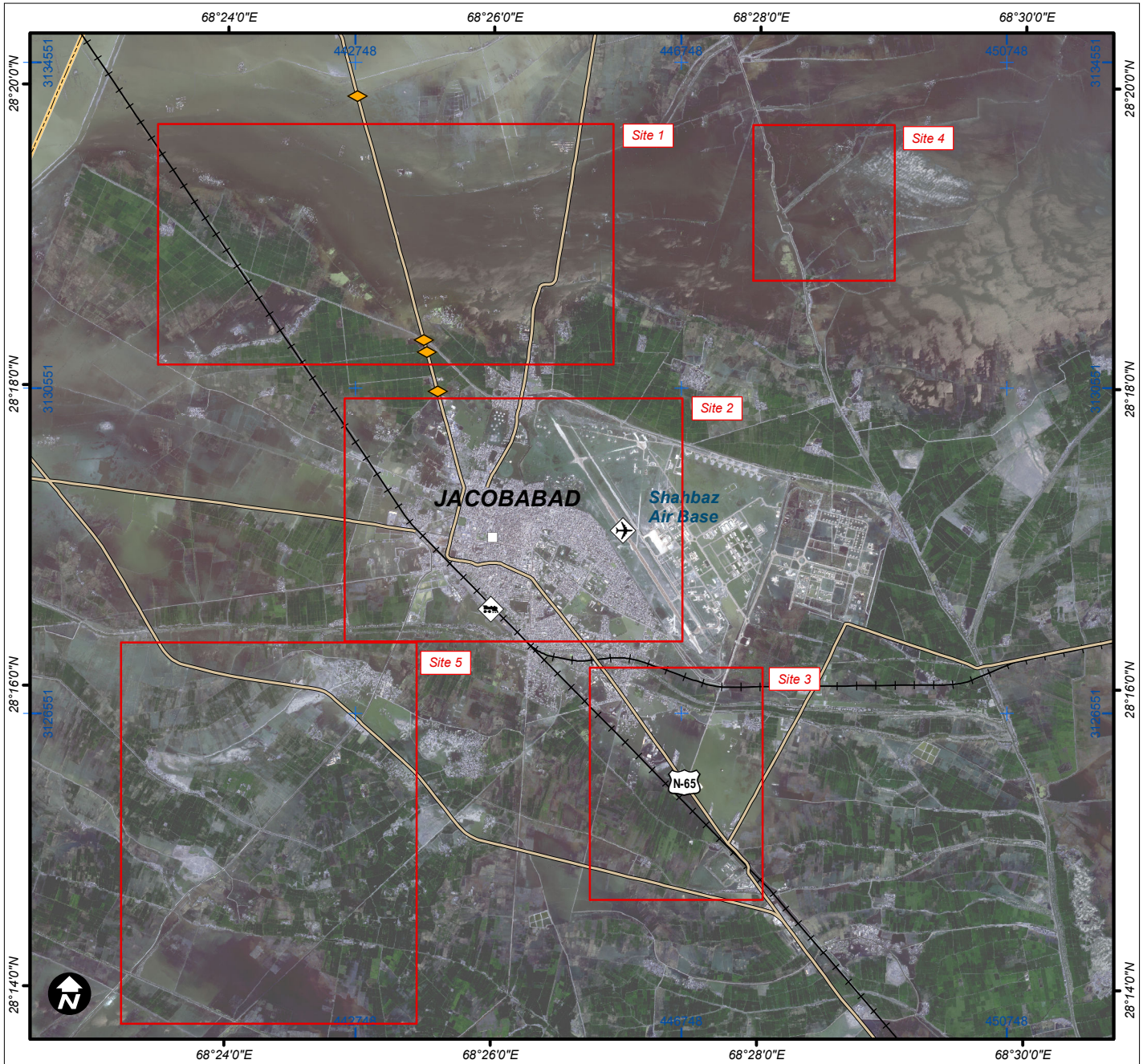
Version 1.0

Activation Number: FL20120918PAK

SITUATION UPDATE 1: SATELLITE ASSESSMENT OF FLOODS OVER THE CITY OF JACOBABAD, SINDH PROVINCE, PAKISTAN



GeoEye-1 Image Recorded 28 September 2012

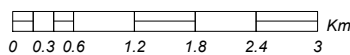


City of Jacobabad as of 28th September 2012 - red boxes indicate the areas featuring in this report.

Center Coordinates: 68°26'35.71"E 28°17'0.55"N

- Bridge
- Airport / Airfield
- Health Facility
- Primary Rd.
- Train station
- Railroad

Map Scale for A4: 1:74,615



Disaster coverage by the International Charter 'Space and Major Disasters'. For more information on the Charter, which is about assisting the disaster relief organizations with multi-satellite data and information, visit www.disasterscharter.org



Crisis Satellite Data: GeoEye-1
Resolution: 0.5 meters
Image Date: 28 September 2012
Copyright: DigitalGlobe
Source: USGS
Road Data: Google Map
Maker: OSM/ESRI

Other Data: USGS, UNCS, NASA, NGA, WHO
Analysis: UNITAR / UNOSAT
Production: UNITAR / UNOSAT
Analysis conducted with ArcGIS v10.1
Projection: UTM Zone 42N

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02/10/2012 – Version 1

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Situation Update 1: Satellite assessment of floods over the city of Jacobabad, Sindh Province, Pakistan

PREFACE: This report provides an overview of current flooding of the city of Jacobabad in the Sindh Province of Pakistan. Satellite imagery acquired on the 28th September 2012 was used for this report. This report is part of an on-going satellite monitoring program of UNITAR / UNOSAT of the International Charter on Space and Major Disasters activation over floods in Pakistan in support of international humanitarian assistance and created to respond to the needs of UN agencies and their partners. This situational analysis is based on a rapid visual assessment of current satellite data available over this area. This analysis has not yet been validated in the field. Please send ground feedback to UNITAR/UNOSAT at the contact information below.

ANALYSIS SUMMARY:

This map presents an overview on the current flood water status for the cities of Jacobabad city, Sindh Province based on GeoEye-1 imagery from the 28th September 2012. There appears to have been minimal change in the extent of the flooding since the UNOSAT Flood Assessment Report based on SPOT imagery acquired on 20th September:

(<http://www.unitar.org/unosat/node/44/1677>). As of 28th September 2012, flood waters continue to surround the city of Jacobabad, particularly to the north where route N-65 and the railway remain cut off by flood waters and several small communities have been completely inundated (Site 1). Large areas of agricultural land are inundated, particularly to the north and west of the city where ponds appear to be overflowing (Site 4). Neighbourhoods on the outskirts of Jacobabad remain inundated (Sites 2 and 3) and a large part of the Shabbaz Airbase is inundated, notably the northern end of the runways (Site 2). The airbase however still appears to be functioning¹. The prison south of the city appears to have been affected by flood waters (Site 3).

Site 1: Roads and small communities to the north of Jacobabad cut off by flood waters.

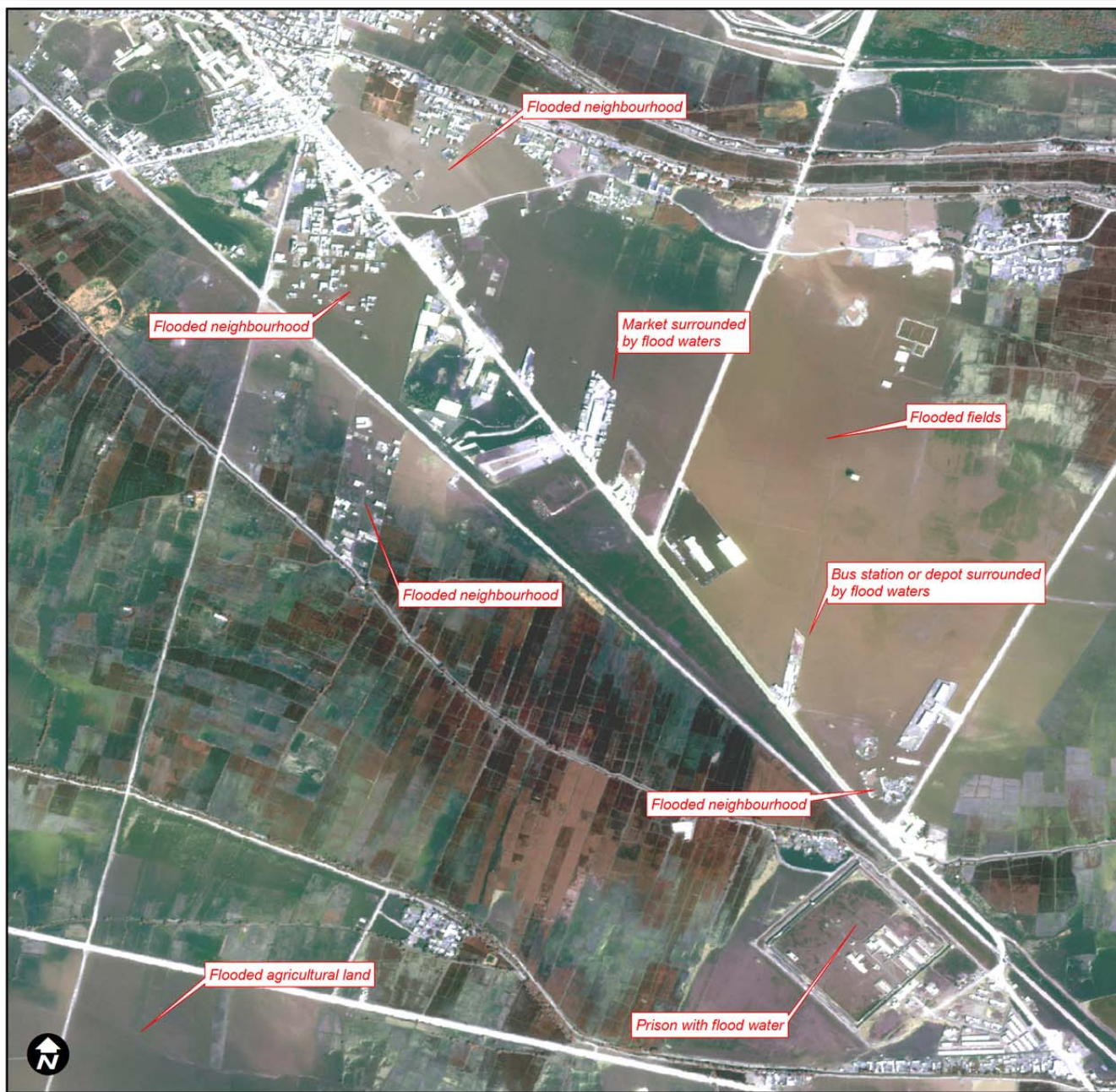


¹ <http://www.radio.gov.pk/newsdetail-27492>

Site 2: Severe flooding of the Shahbaz Air Base and neighbourhoods on the outskirts of Jacobabad.



Site 3: Inundated neighbourhoods to the south of Jacobabad, including the prison.



Site 4: Inundated agricultural land and overflowing ponds in a canal running east of the city.



Site 5: Inundated agricultural land in the west of the city.



This is a preliminary assessment and has not yet been validated in the field. Please send feedback to UNITAR/UNOSAT at the contact information below.

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