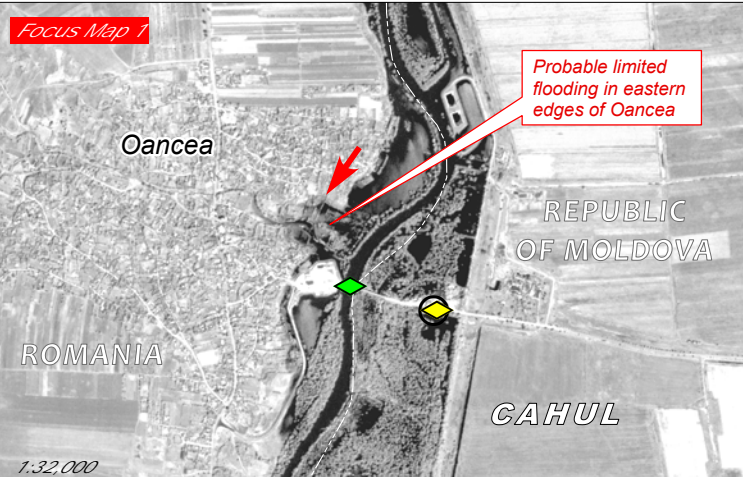
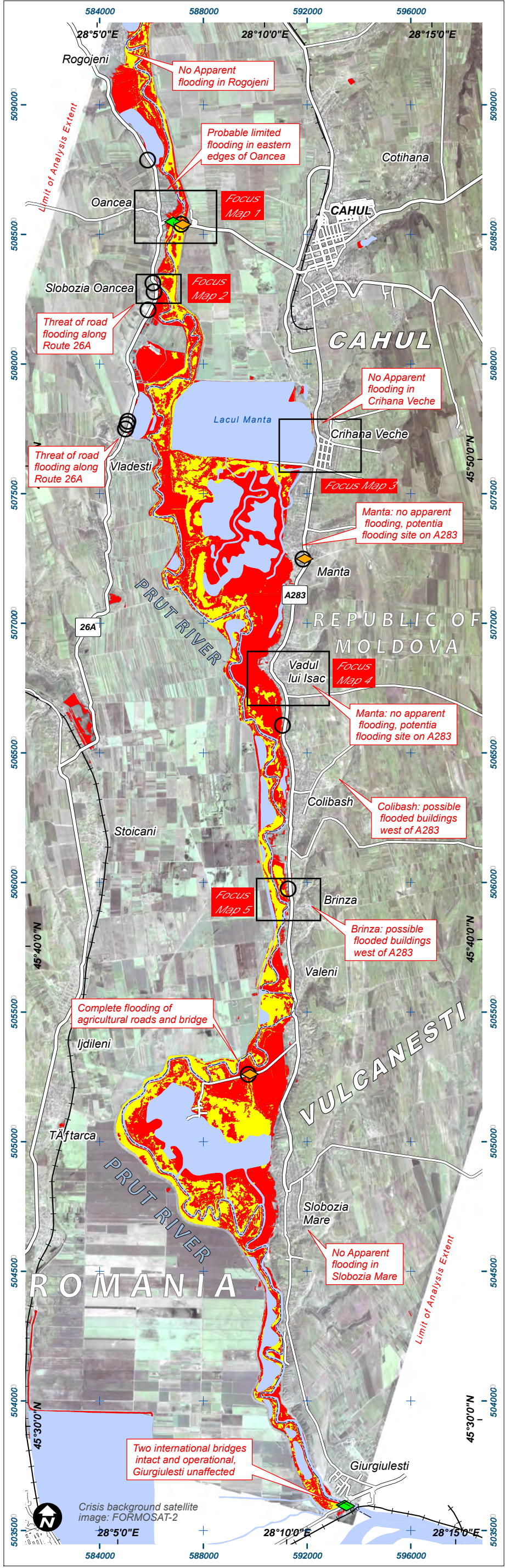


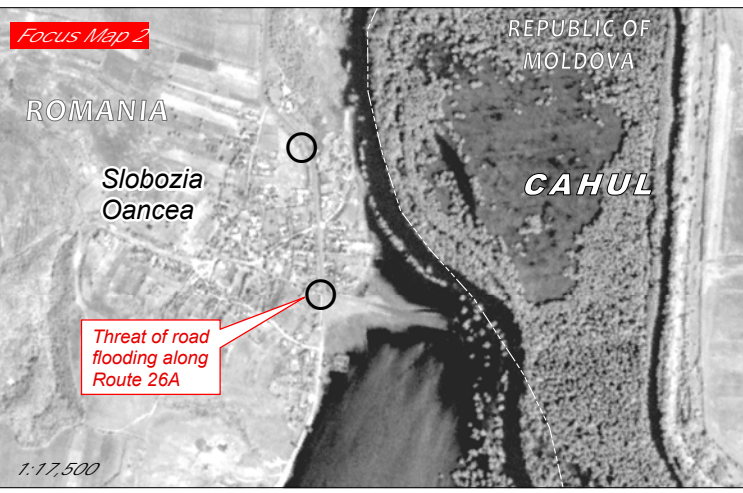
Satellite-Detected Flood Waters Along the Prut River, Cahul and Vulcanesti Districts, Republic of Moldova



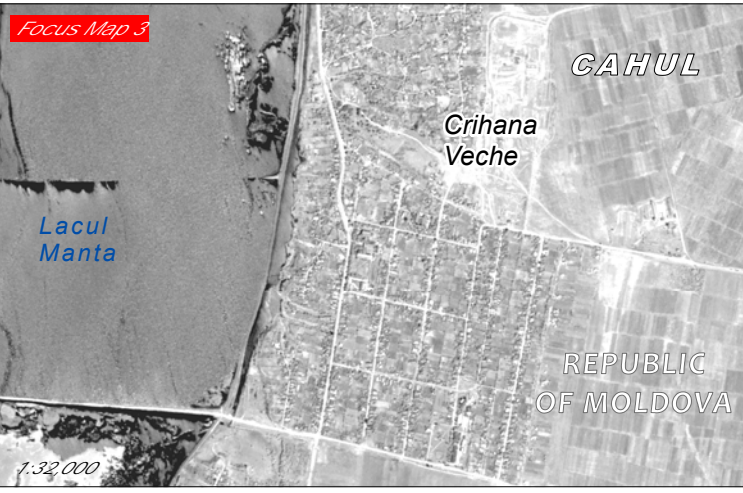
Heavy Rainfall & Flooding 29 July 2010
Version 1.0
Glide No: FL-2010-000130-MDA



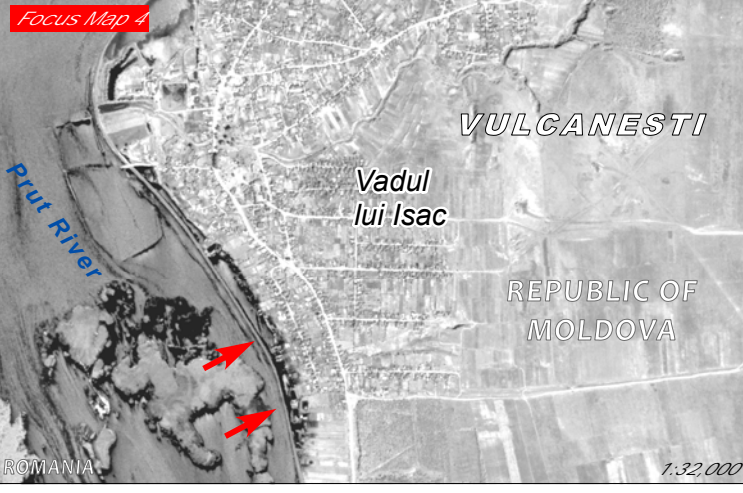
Probable limited flooding in limited eastern edges of Oancea, Romania, main international bridge intact, however minor bridge/road on Moldovan side appears to be submerged under flood waters



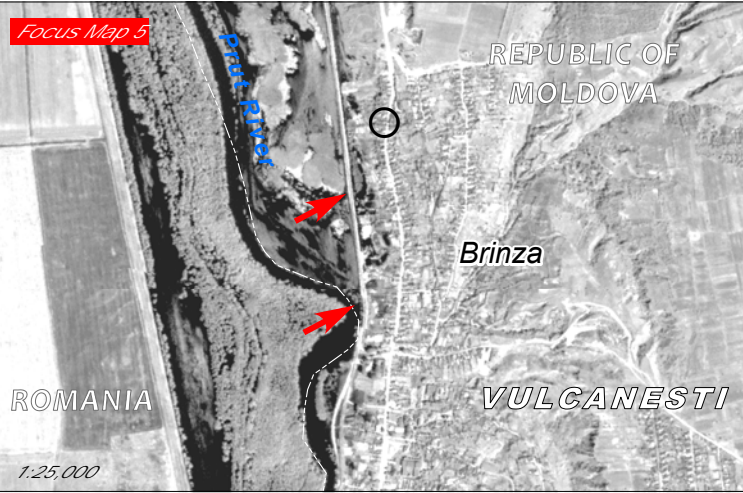
Potential flooding in limited eastern edges of Slobozia Oancea, however significant threat of road flooding along multiple points of Route 26A



No apparent flooding within Crihana Veche, no apparent flooding threat to route A283



Vadul lui Isac, some likely flooding in south-western section of town, encroaching on cluster of residential buildings immediately west of route A283



Brinza, possible flood-affected residential buildings along western section of town, immediately adjacent to route A283



This map illustrates probable standing flood waters along the eastern bank of the Prut River in the Cahul and Vulcanesti Districts of the Republic of Moldova, as well as the western bank of the river in Romania. This flood analysis is based on Formosat-2 satellite imagery recorded on 22 July 2010. Areas of potential / probable flooding within towns and road / bridge obstacles have been identified and marked in the overview and inset focus maps.

Overall the flooding appears to be relatively contained along this southern section of the Prut River, with limited numbers of potentially flooded/flood-affected buildings, primarily in the Republic of Moldova. Transport routes appear to be moderately affected with a number of potential road flooding sites along both sides of the Prut. There is suspected bridge damage along an international border crossing west of the city of Cahul, Moldova. The two international bridges linking Romania with the Moldovan city of Giurgiulesti appear intact and fully operational.

Please note that areas likely flooded with dense vegetation cover have been marked in the map with a lower level of confidence because of limitations in water detection with the satellite imagery. Pre-flood water has been taken from a European dataset derived from multiple sources and may not accurately reflect the current location Prut River channel in some locations in the map. This flood assessment is a preliminary analysis & has not yet been validated in the field. Please send ground feedback to UNITAR / UNOSAT.

Legend

- International Border
- Primary Road
- Secondary road
- Railroad
- Airfield
- Port
- Bridge (likely functional)
- Bridge Potentially Flooded / Damaged
- Possible flood water obstruction of road
- Probable Flood Waters as on 22 July 2010
- Possible Flood Waters / flooded standing vegetation cover as on 22 July 2010
- Normal Pre-flood water / River extent (Multiple sources)

SATELLITE ASSESSMENT CLASSIFICATION:

- Bridge (likely functional)
- Bridge Potentially Flooded / Damaged
- Possible flood water obstruction of road
- Probable Flood Waters as on 22 July 2010
- Possible Flood Waters / flooded standing vegetation cover as on 22 July 2010
- Normal Pre-flood water / River extent (Multiple sources)

Map Scale (Main Frame) for A3 Prints: 1:160,000

Note: the International Border follows the course of the Prut River

0 1 2 4 6 Kilometers

Crisis Satellite Data Formosat-2
Resolution 2 meters
Image Date 22 July 2010
Source NSPO
Pre-crisis water data ESRI (Multiple inputs)
Elevation Data Aster GDEM
Source METI & NASA 2009
GIS Data ESRI, USGS, NGA
Road Data Open Street Map
Flood Analysis UNITAR / UNOSAT
Map Production UNITAR / UNOSAT
Projection UTM Zone 35N
Datum WGS-84

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 United Nations. UNOSAT is a program of the United Nations Institute for Training and Research (UNITAR), providing satellite imagery and related geographic information, research and analysis to UN humanitarian & development agencies & their implementing partners.

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