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

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 eastern Romania. This flood analysis is based on FORMOSAT-2 satellite imagery recorded on 22 July 2010. Areas of probable/flooded standing flood waters along towns and road/bridge obstacles have been identified and marked in the overview and related focus maps.

Overall the flooding appears to be relatively contained along this southern section of the Prut River with limited numbers of potentially 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 western 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 of flooded water in some locations in the map. This flood assessment is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR / UNOSAT.

Legend
- Bridge (likely functional)
- Bridge Potentially Flooded / Damaged
- Possible flooding site
- Possible flood water
- Probable flood water / water affected vegetation
- Probable / possible flooded buildings
- Probable flooded buildings west of A283
- Probable flood water
- Probable flood water

SATELLITE ASSESSMENT CLASSIFICATION:
- Bridge (likely functional)
- Bridge Potentially Flooded / Damaged
- Possible flood water
- Probable flood water / water affected vegetation
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- Probable flood water
- Probable flood water

Map Scale (Main Frame)
For A3 Prints: 1:150,000

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

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