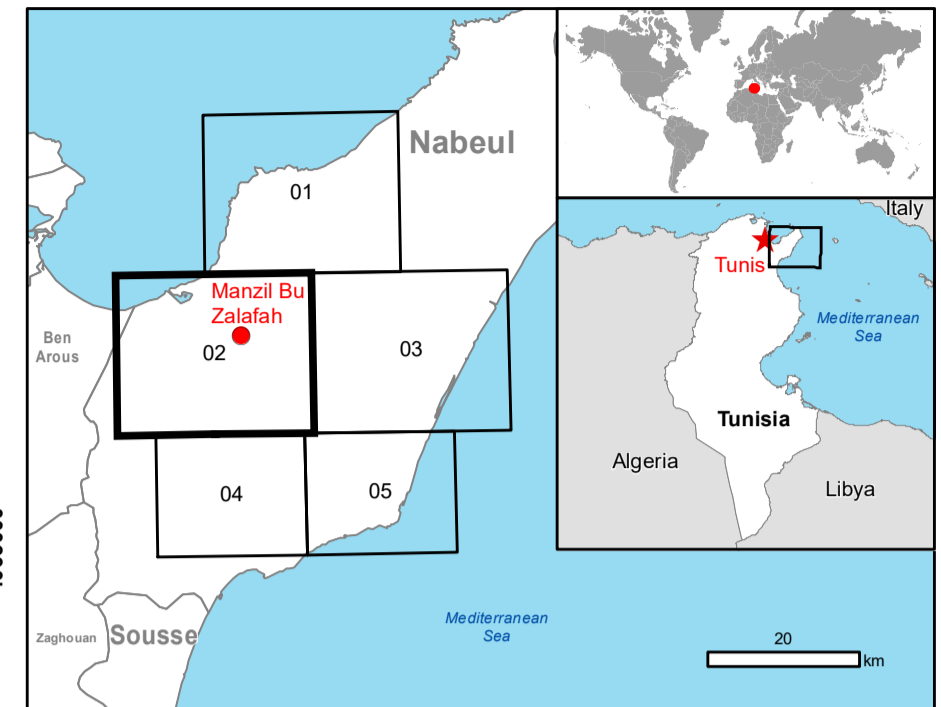


Manzil Bu Zalafah - TUNISIA

Flood - Situation as of 01/10/2018

Delineation Map



Cartographic Information

1:40000 Full color ISO A1, medium resolution (200 dpi)



Grid: WGS 1984 UTM Zone 32N map coordinate system
 Tick marks: WGS 84 geographical coordinate system

Legend

- Crisis Information**
 - Flooded Area (01/10/2018 09:42 UTC)
 - Flood trace
- General Information**
 - Area of Interest
 - Not Analyzed
- Administrative boundaries**
 - Province
- Placenames**
 - Placename
- Built-Up Area**
 - Residential
 - Other building not elsewhere classified
- Hydrography**
 - Coastline
 - River
 - Stream
 - Lake
 - Reservoir
- Facilities**
 - Dam
 - Construction for mining or extraction
- Transportation**
 - Highway
 - Primary Road
 - Secondary Road
 - Local Road
 - Long-distance railway

| Consequences within the AOI | | Unit of measurement | Affected | Total in AOI |
|-----------------------------|---|-----------------------|----------|--------------|
| Flooded area | | ha | 53.5 | |
| Flood Trace | | ha | 51.4 | |
| Estimated population | | Number of inhabitants | 736 | 190144 |
| Settlements | Residential | ha | 11.0 | 270.6 |
| | Other building not elsewhere classified | ha | 0.0 | 129.9 |
| Transportation | Highway | km | 0.0 | 15.1 |
| | Primary Road | km | 0.0 | 56.7 |
| | Secondary Road | km | 0.0 | 132.2 |
| | Local Road | km | 0.0 | 241.9 |
| | Long-distance railway | km | 0.0 | 24.9 |
| Facilities | Dam | km | 0.0 | 0.3 |
| | Construction for mining or extraction | ha | 0.0 | 264.1 |

Map Information

Flash floods occurred in Nabeul region causing extensive damage to buildings and infrastructure, areas affected in Cap Bon being Takelsa, Beni Khalled, Bouargouj, Menzel Bouzoufa, Korba, Soliman Nabeul, and Darchaouane. Water is still standing in some areas, and large amounts of sediments and debris continue to cause problems in the urban areas mainly, but not only. Satellite imagery is required to evaluate and develop an integrated plan of intervention and to identify areas still submerged, particularly agricultural areas having an impact on crops or other cultures.

The present map shows the flood delineation in the area of Manzil Bu Zalafah (Tunisia). The thematic layer has been derived from post-event satellite images by means of visual interpretation. The estimated geometric accuracy is 5 m CE90 or better, from native positional accuracy of the background satellite image.

| Relevant date records | | | |
|-----------------------|------------|-----------------|------------|
| Event | 22/09/2018 | Situation as of | 01/10/2018 |
| Activation | 29/09/2018 | Map production | 09/10/2018 |

Data Sources

Pre-event image: Sentinel 2A (2018) (acquired on 14/09/2018 at 10:00 UTC, GSD 10.0 m, approx. 0% cloud coverage in AOI) provided under COPERNICUS by the European Union and ESA.
 Post-event image: SPOT6 © Airbus DS (2018), (acquired on 01/10/2018 at 09:42 UTC, GSD 1.5 m, approx. 0% cloud coverage in AOI, 7.5° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.
 Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, refined by the producer.
 Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2013.
 Population data: GHS Population Grid © European Commission, 2015
http://data.europa.eu/89h/jc-qhs-gs-pop_gpw4_globe_j2015a.
 Digital Elevation Model: SRTM (30m) (NASA/USGS)

Disclaimer

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