



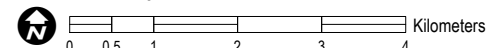
Damage density of Mosul, Ninawa Governorate, Iraq

This map illustrates satellite-detected damage density in Mosul, Ninawa Governorate, Iraq. Using satellite imagery acquired 4 August 2017, UNITAR - UNOSAT identified a total of 19,888 affected structures within the city. Approximately 4,773 of these were destroyed, 8,233 severely damaged and 6,882 moderately damaged. 115 of the total affected structures are greenhouses. Around 7,620 of the total affected structures are found within the Old City. The inset shows part of the second most heavily impacted area after the Old City, which appears to be the Al-Shafaa district. UNOSAT also assessed the presence of affected bridges and roads: 317 are damaged in locations and 134 of these damages are caused by visible impact craters. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

Legend

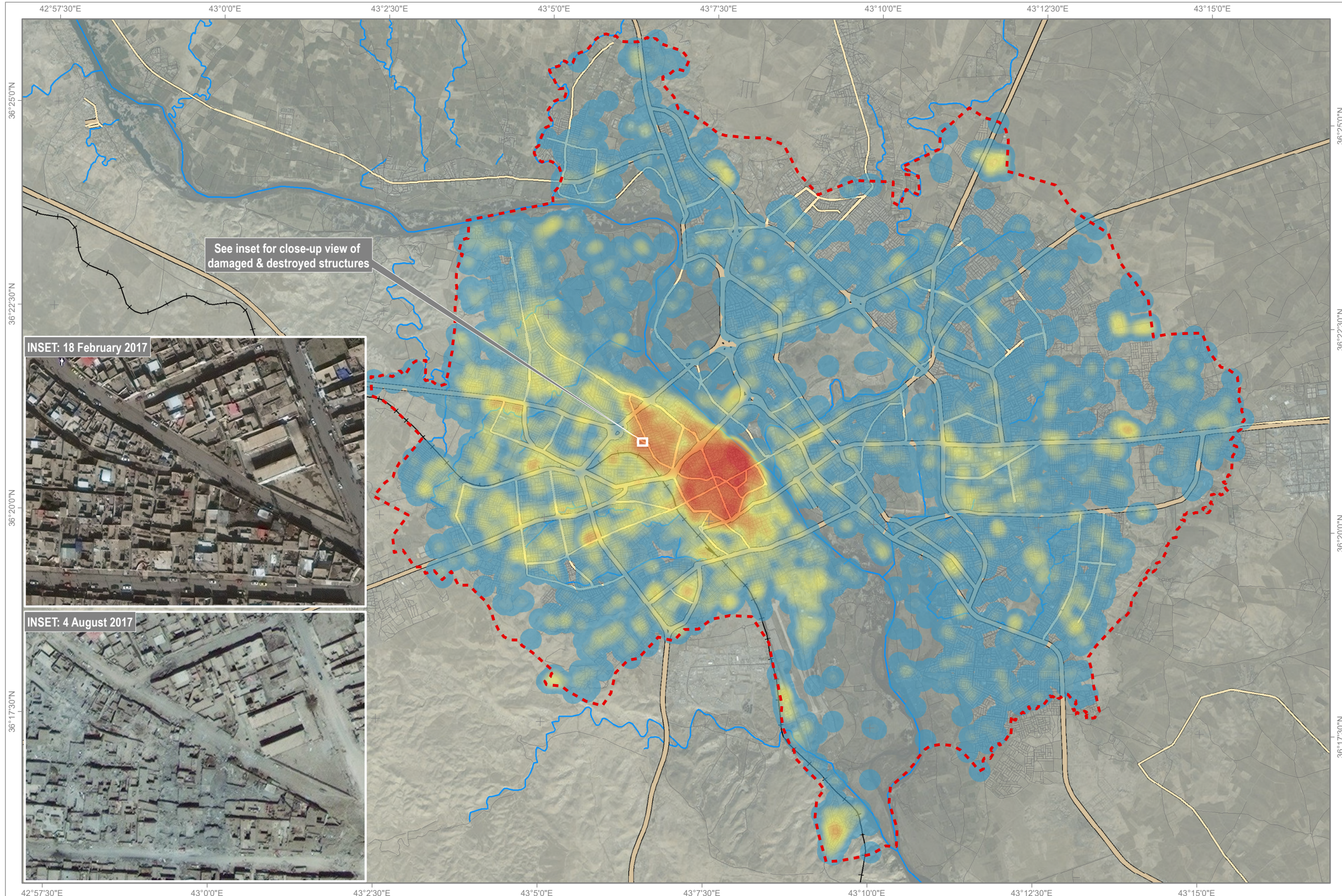
- - - Mosul
 - Highway / primary road
 - Secondary road
 - Local / urban road
 - + Railway
 - Waterway
- Damage Site Density Index
- High
 - Low

Map Scale for A3: 1:90,000



Analysis conducted with ArcGIS v10.4.1

Coordinate System: WGS 1984 UTM Zone 38N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter



Satellite Data (1): GeoEye-1
Imagery Dates: 4 August 2017
Resolution: 50 cm
Copyright: DigitalGlobe, Inc.
Source: Department of State, Humanitarian Information Unit, NextView License

Satellite Data (2): WorldView-3
Imagery Dates: 18 February 2017
Resolution: 40 cm
Copyright: DigitalGlobe, Inc.
Source: Department of State, Humanitarian Information Unit, NextView License

Satellite Data (3): WorldView-2
Imagery Dates: 15 November 2013
Resolution: 50 cm
Copyright: DigitalGlobe, Inc.
Source: Department of State, Humanitarian Information Unit, NextView License

Road Data : OpenStreetMap
Other Data: USGS, UNCS, NASA, NGA, Wikimapia
Analysis : UNITAR - UNOSAT
Production: UNITAR - UNOSAT

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