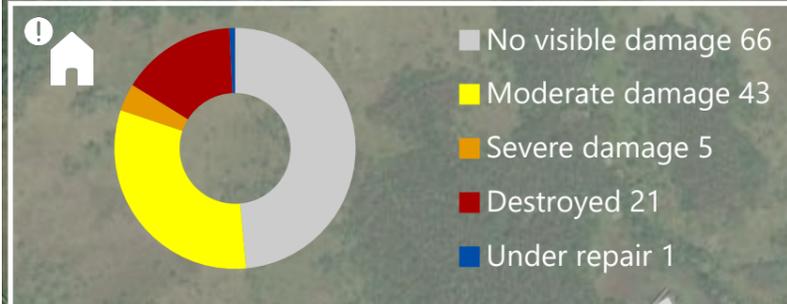


# UKRAINE - TOPOLSKE, KHARKIVSKA OBLAST

## Conflict-impacted residential buildings - 08 August 2022

For humanitarian purposes only  
Production date : 30 October 2023



**108 (51%)**  
Estimated impacted people  
Total population: 211

\*These are pre-war population figures (before February 2022), likely to have significantly decreased due to ongoing military activities.



**Situation map legend**

- Areas of The Autonomous Republic of Crimea, Donetska and Luhanska Oblasts beyond the control of the Government of Ukraine since 2014
- Areas returned under the control of Government of Ukraine as of October 2023
- Areas beyond the control of Government of Ukraine as of October 2023

**Damage classification**

- No visible damage detected
- Moderate damage: Limited damage to building structure (i.e. ammunition impacts on roof, or small sections of the building missing)
- Severe damage: Building structure partly collapsed (i.e. part of the roof or one or more fallen walls)
- Destroyed: All or most of the building structure has collapsed
- Under repair: light to medium repairs have started

Topolske is a small rural settlement in Izyum raion of Kharkiv oblast, approximately 8 km south of the city of Izyum. According to the State Statistics Service of Ukraine, it hosted a population of 211 prior to the start of the full-scale war. Its location near the front line and the strategic E40 highway makes this settlement highly vulnerable to conflict-related damage. Topolske came under the control of the Armed Force of the Russian Federation in April 2022, returning under Ukrainian control in September 2022.

Out of the 136 residential buildings in Topolske, 70 were detected as damaged, including 21 destroyed and 5 having incurred severe damage. This assessment aims to support shelter repair, recovery and reconstruction efforts by providing accurate settlement-level data on conflict-related residential damage.

**Methodology**

The methodology is designed to ensure accuracy, comprehensiveness and reliability of data, and entails the following steps: 1) automated detection of damage through UADamage's artificial intelligence neural networks based on high-resolution satellite imagery; 2) detailed visual inspection of each building to confirm damage, assign severity, and exclude non-residential structures; 3) triangulation of results with ground-truthing by IMPACT field personnel and other relevant secondary data; 4) estimation of the number of impacted people based on the number of impacted buildings and the average household size in the area.

**Data sources:**  
Administrative boundaries - OCHA  
Buildings footprint - Bing, adapted by REACH  
Imagery background - Bing  
Imagery inset - Planet Labs  
Conflict: Liveuamap 26.10.2023  
Damage data - REACH, (based on Maxar WorldView - 3 08.08.2022)  
Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere  
Projection: Mercator Auxiliary Sphere

*Note: Data, designations and boundaries contained on this map are not warranted to be error-free and do not imply acceptance by REACH partners, associates or donors mentioned on this map.*

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