UKRAINE - BILOZERKA, KHERSONSKA OBLAST

121

168

289

Confirmed flooded

Potentially flooded

residential buildings

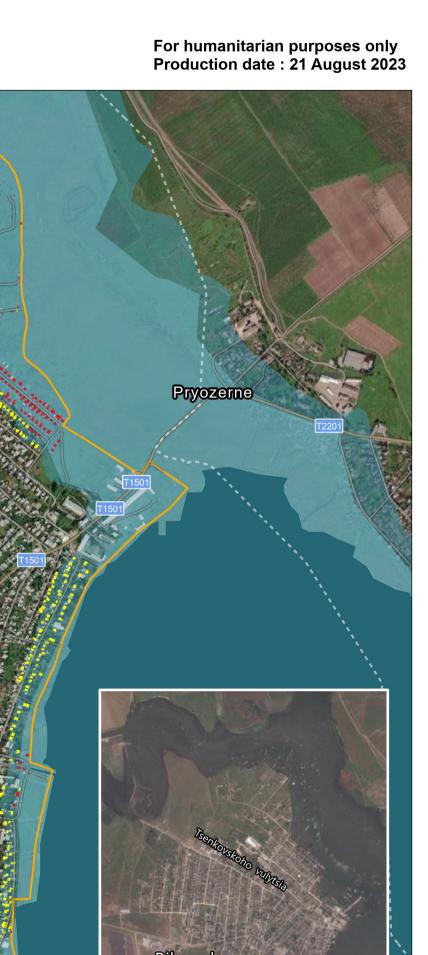
residential buildings

Estimated

impacted people

Total

Flood-impacted residential buildings after breach of the Kakhovka Dam (6 June 2023)



On 6 June 2023, the breach of the Nova Kakhovka Hydroelectric Power Plant dam on Ukraine's Dnipro River resulted in flooding of downstream settlements, causing extensive damage to residential infrastructure. To support shelter response and reconstruction efforts, REACH assessed damage to residential buildings in seven settlements in areas under the control of the Government of Ukraine.

685

The town of Bilozerka is located approximately 15 kilometres west of the city of Kherson on the shore of the Bile Lake, which is connected to the Dnipro River through its affluents. It had a prewar population of approximately 9,258 people. The town came under the control of the Armed Forces of the Russian Federation in February 2022, and was reclaimed by the Ukrainian Armed Forces in November 2022. This assessment identified 289 residential buildings in Bilozerka as likely impacted by flooding following the breach of the Nova Kakhovka Dam on 6 June 2023

A combination of remote sensing of high-resolution satellite imagery and flood line extent mapping enabled the classification of impacted buildings in two categories: 1) confirmed and likely severe damage; and 2) buildings likely to have incurred hydrostatic pressure due to the rise of surface water levels, with potentially compromised structural integrity and foundation instability. For details on the methodology and its limitations, refer to REACH's Nova Kakhovka Flood Residential Damage Assessment factsheet (click to access).

Bilozerka

O7 June 2023

Benyslavskyl Raion

Khersonskyl Raion

Raion

F
Skadovskyl Raion

Raion

Buildings footprint

Water bodies

Settlement boundaries

Flood damage

Residential buildings with potential flood damage

Residential buildings with confirmed flood damage

Flood extent

Likely flooded areas and surface water rise based on flood extent mapping

Confirmed flooded areas based on remote sensing

Data sources:
Administrative boundaries - OCHA
Water bodies - OSM
Buildings footprint - UADamage
Imagery background - Bing
Imagery inset - Planet Labs
Damage data - REACH (based on Maxar WorldView - 3 07.06., 17.06., 23.06., & 24.06.2023)
Coordinate System:WGS 1984 UTM Zone 36N

Projection: Transverse Mercator

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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0.9 Km

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