OVERVIEW OF VILLAGE DAMAGE ATLAS: KEKHVI TO TSKHINVALI, SOUTH OSSETIA, GEORGIA

Damage Assessment with WorldView-1 & Formosat-2 Satellite Imagery Recorded on 19 August 2008

Hyperlinked Map Sheets
(Move PDF cursor over the desired atlas map sheet)

Analysis Description

This overview presents a satellite-based damage assessment for the affected area between Kekhvi and Tskhinvali, South Ossetia, Georgia following the armed conflict between Georgian and Russian military forces. August 2008. Damaged buildings were identified in the WorldView-1 and Formosat-2 satellite imagery acquired on 18 August 2008. Affected buildings were categorized as destroyed or severely damaged by image interpretation methods. Destroyed buildings were defined either by the total collapse of the structure or where it was standing but with less than 50% of the roof still intact. Severely damaged buildings were defined as having visible structural damage to a limited portion of one wall or where a portion of the roof was damaged but with more than 50% of the roof still intact.

The estimated number of affected buildings within the mapped extent of each atlas sheet is described in a damage survey box. The estimated total number of affected buildings for the whole of the atlas series is 1,030, of which 781 buildings have likely been destroyed and 243 buildings have likely been severely damaged. However, since the scope of the damage assessment was significantly less than the affected areas, the final number of affected buildings may be less than 1,030.

An important preliminary finding of this satellite damage analysis is the observed heavy concentration of damaged within closely located residential areas.

Each atlas map sheet shown in this overview is hyperlinked to the individual maps online or within the PDF document. The atlas map sheets have been produced at a scale of 1:9,280 for A3 printing size. For more information, please contact us at info@unosat.org or call the GFATF Hotline +49 74 481 4898.

Map Legend

Transport Plan Transport Lines
Rail
Road
Secondary Road

Administrative
International Border
Approximate South Ossetian Boundary

SATELLITE DAMAGE ASSESSMENT

- Building Likely Destroyed
- Building Likely Severely Damaged

Map Scale for A3: 1:36,000

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