This map presents a satellite-based damage assessment for the affected village of Avnevi, South Ossetia, Georgia following the armed conflict between Georgia and Russian military forces, August 2008. Damaged buildings have been identified with WorldView-1 & Formosat-2 satellite imagery acquired on 19 August 2008. Pre-conflict QuickBird imagery in Google Earth was also used. Affected buildings were classified either as destroyed or severely damaged by standard satellite image interpretation methods. Destroyed buildings have been defined either by the total collapse of the structure or when the entire standing portion of the building had less than 50% of the roof intact. Severely damaged buildings also had visible structural damage to a portion of one wall, or where a section of the roof was damaged but with over 50% of the roof still intact. Buildings not marked in the map were identified as having no visible damage; this does not mean the building is undamaged, only that none were identified with the available satellite imagery. Satellite-based assessments can generally identify only a low percentage of buildings with limited damages. The estimated total number of affected buildings for the selected village is approximately 153. Of this total 116 buildings have likely been destroyed and 37 buildings have likely been severely damaged. An important preliminary finding of this satellite damage analysis is the observed heavy concentration of damages within clearly defined residential areas. This is an initial damage assessment and has not yet been independently validated on the ground.

Map Scale for A3: 1:5,400

Satellite Data: WorldView-1
Resolution: 0.5 m
Imagery Date: 19 August 2008
Copyright: DigitalGlobe (2008)
Source: U.S. Department of State – HSU
Access Rules: NextView "EULA" - 2008
Additional Imagery: Formosat-2 (2m panchromatic)
Projection: Pulkovo 1995 GK Zone 4N
Datum: Pulkovo 1995
Damage Analysis: UNOSAT
Projection: Pulkovo 1995 Ok Zone 8N
Datum: Pulkovo 1995

The map scale is for illustration purposes only and is not intended to be used for navigation.
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