

Annex E.2.5

Public

VILLAGE DAMAGE SUMMARY: NULI, SOUTH OSSETIA, GEORGIA

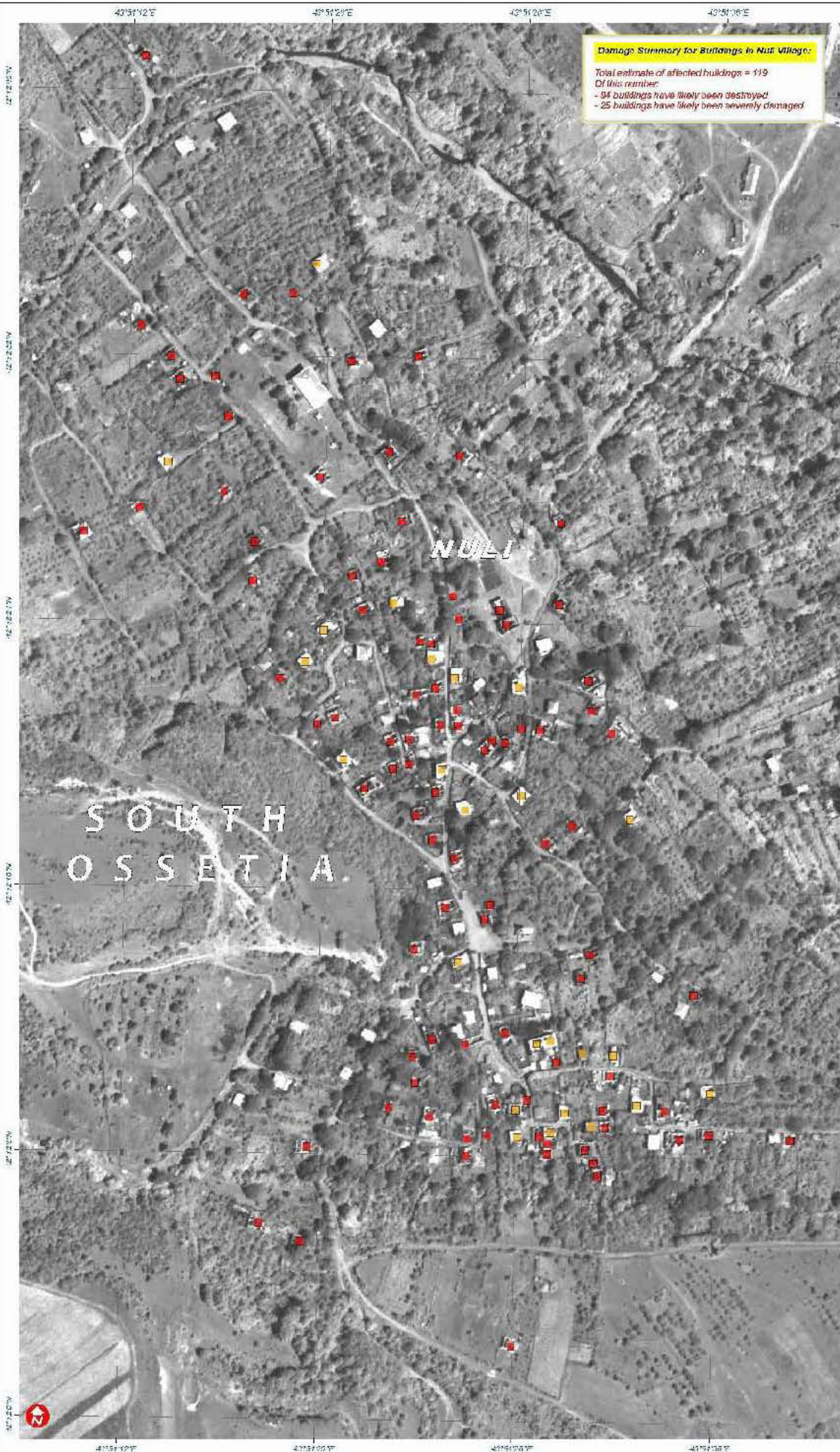
Damage Assessment with WorldView-1 & Formosat-2 Satellite Imagery Recorded on 19 August 2008

Fires & Armed Conflict 10 October 2008



Version 1.0

UNOSAT-2008-000195



Analysis Description

This map presents a satellite-based damage assessment for the affected village of Nuli, South Ossetia, Georgia following the armed conflict between Georgia and Russian military forces from August 2008. Damaged buildings have been identified with WorldView-1 & Formosat-2 satellite imagery recorded on 19 August 2008. Photocollated QuickBird imagery in Google Earth was also used.

A limited number of buildings were identified as having been severely damaged by standard satellite image interpretation methods. Destroyed buildings have been identified either by the total reduction of the building where it was standing but with less than 50% of the roof still visible. Severely damaged buildings were defined as having 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 this map were identified as having no visible damage; this does not mean the buildings are 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 damage.

The estimated total number of affected buildings for the selected village is approximately 119. Of this total 94 buildings have likely been destroyed and 25 buildings have likely been severely damaged. An expected and obvious finding of this satellite damage analysis is the observed heavy concentration of damages within clearly defined residential areas.

Please note, this is an initial damage assessment and has not yet been independently verified at the ground. Please send any additions or corrections to: UNOSAT.

Map Legend

- Approximate South Ossetia Boundary
- SATELLITE DAMAGE ASSESSMENT**
- Building:
 - Likely Destroyed
 - Building on the ground not imaged
 - Building Likely Severely Damaged

SATELLITE IMAGE REFERENCE

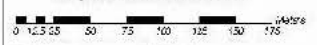


Damaged Buildings & Factory Area



River & Functional Bridge

Map Scale for A3: 1:3,600



Satellite Data	WorldView-1
Resolution	30 cm
Imagery Date	19 August 2008
Copyright	DigitalGlobe (2008)
Source	U.S. Department of State, HQ
Access Point	NextView "EULA" - 2009
Additional Imagery	Formosat-2 (2m panchromatic)
Imagery Copyright	NSA/CSS
Imagery Date	19 August 2008
GIS Data	USGS, CIA, UNOSAT
Damage Analysis	UNOSAT
Prepared	Product: 1005 GK Turn: RN
Printed	Product: 1005

This document and use of boundaries, geographic names and related data charts have not been verified by the United Nations. This map was prepared by the United Nations Institute for Training and Research (UNITAR) in cooperation with the United Nations Office for the Coordination of Humanitarian Affairs (UNOCHA) and the United Nations Satellite Centre (UNOSAT). UNOSAT provides satellite imagery & related geographic information to life-threatening & humanitarian crises & for peacekeeping purposes.

UNOSAT
satellite solutions for all
Contact Information: info@unosat.org
24/7 Hotline: +41 76 487 1998
www.unosat.org