VILLAGE DAMAGE ATLAS: FROM KEKHVI TO TSKHINVALI, SOUTH OSSETIA, GEORGIA

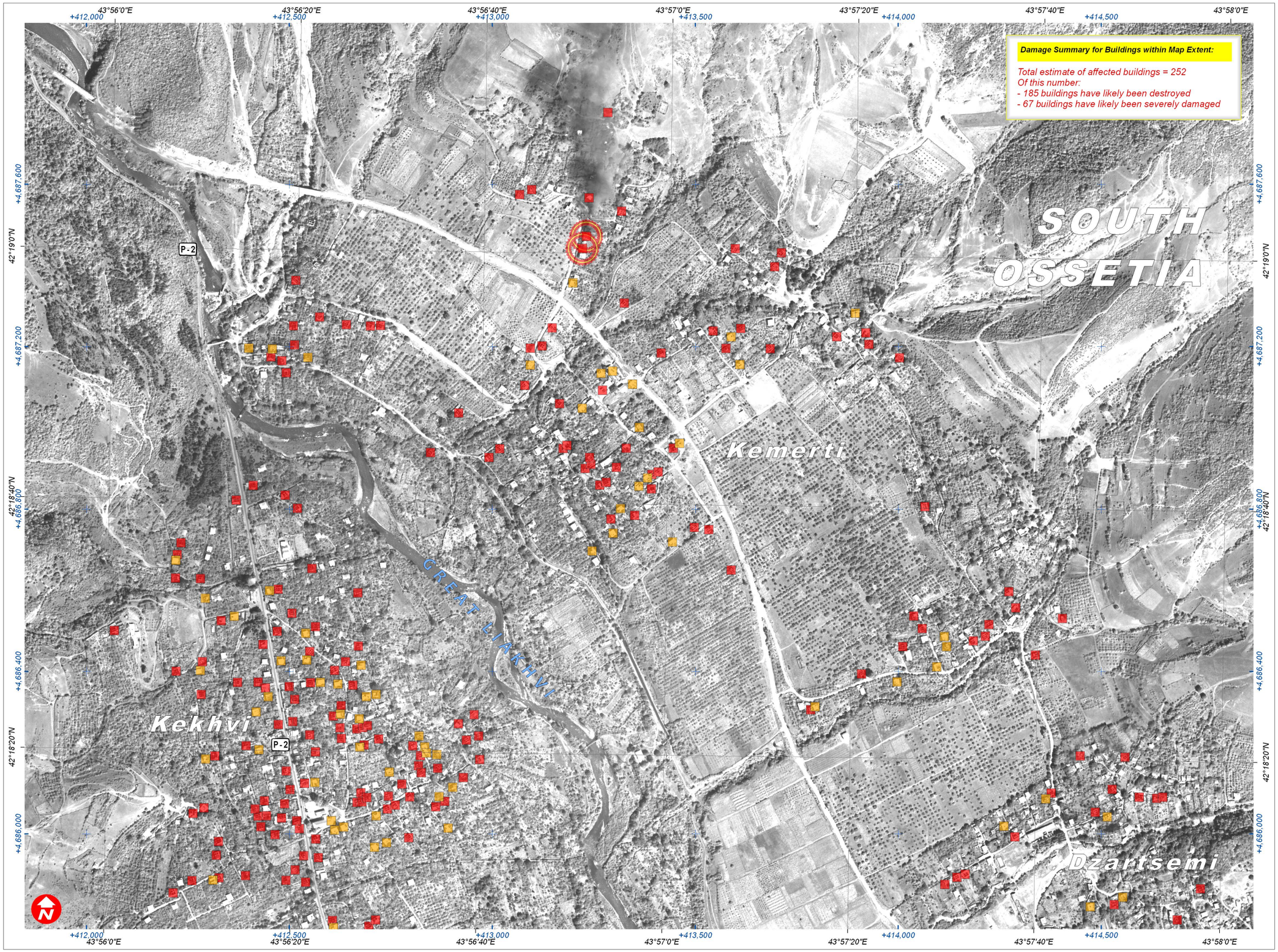
Damage Assessment with WorldView-1 & Formosat-2 Satellite Imagery Recorded on 19 August 2008

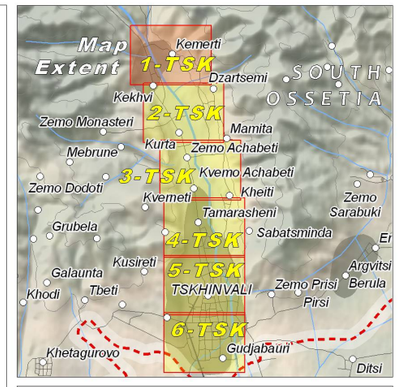
This atlas map presents a satellite-based damage assessment for the affected areas between Kekhvi and Tskhinvali, South Ossetia, Georgia following the armed conflict between Georgian and Russian military forces in August 2008. Damaged buildings have been identified with WorldView-1 and Formosat-2 satellite imagery acquired on 19 August 2008. The estimated number of affected buildings within the mapped extent of this atlas sheet is described in the damage summary box below. Affected buildings have been classified either as destroyed or severely damaged. An important preliminary 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 validated on the ground. Please send additions/corrections to UNOSAT.

NSPO

Fire & Armed Conflict **26 August 2008**

ATLAS SHEET: 1-TSK





Map Legend

- Approximate South Ossetia Boundary

SATELLITE DAMAGE ASSESSMENT

- Building: Likely Destroyed
- Building: Likely Severely Damaged
- Building on fire during sat. image acquisition

SATELLITE IMAGE REFERENCE

Damaged Buildings & Active Fire

Industrial Building Area

River & Functional Bridge

Minor Road & Cultivated Area

Map Scale for A3: 1:9,250

0 37.5 75 150 225 300 375 450 Meters

Satellite Data	WorldView-1
Resolution	50 cm
Imagery Date	19 August 2008
Copyright	Digital Globe (2008)
Source	U.S. Department of State – HIU
Access Rules	NextView "EULA" - 2008
Additional Imagery	Formosat-2 (2m pansharpened)
Imagery Copyright	NSPO 2008
Imagery Date	19 August 2008
GIS Data	USGS, UNEP, UNOSAT
Damage Analysis	UNOSAT
Projection	Pulkovo 1995 GK Zone 8N
Datum	Pulkovo 1995

The depiction and use of boundaries, geographic names and related data shown here are not warranted to be error-free nor do they imply official endorsement or acceptance by the United Nations. This map was produced by the United Nations Institute for Training and Research (UNITAR) Operational Satellite Applications Program (UNOSAT). UNOSAT provides satellite imagery & related geographic information to UN humanitarian & development agencies & their implementing partners.

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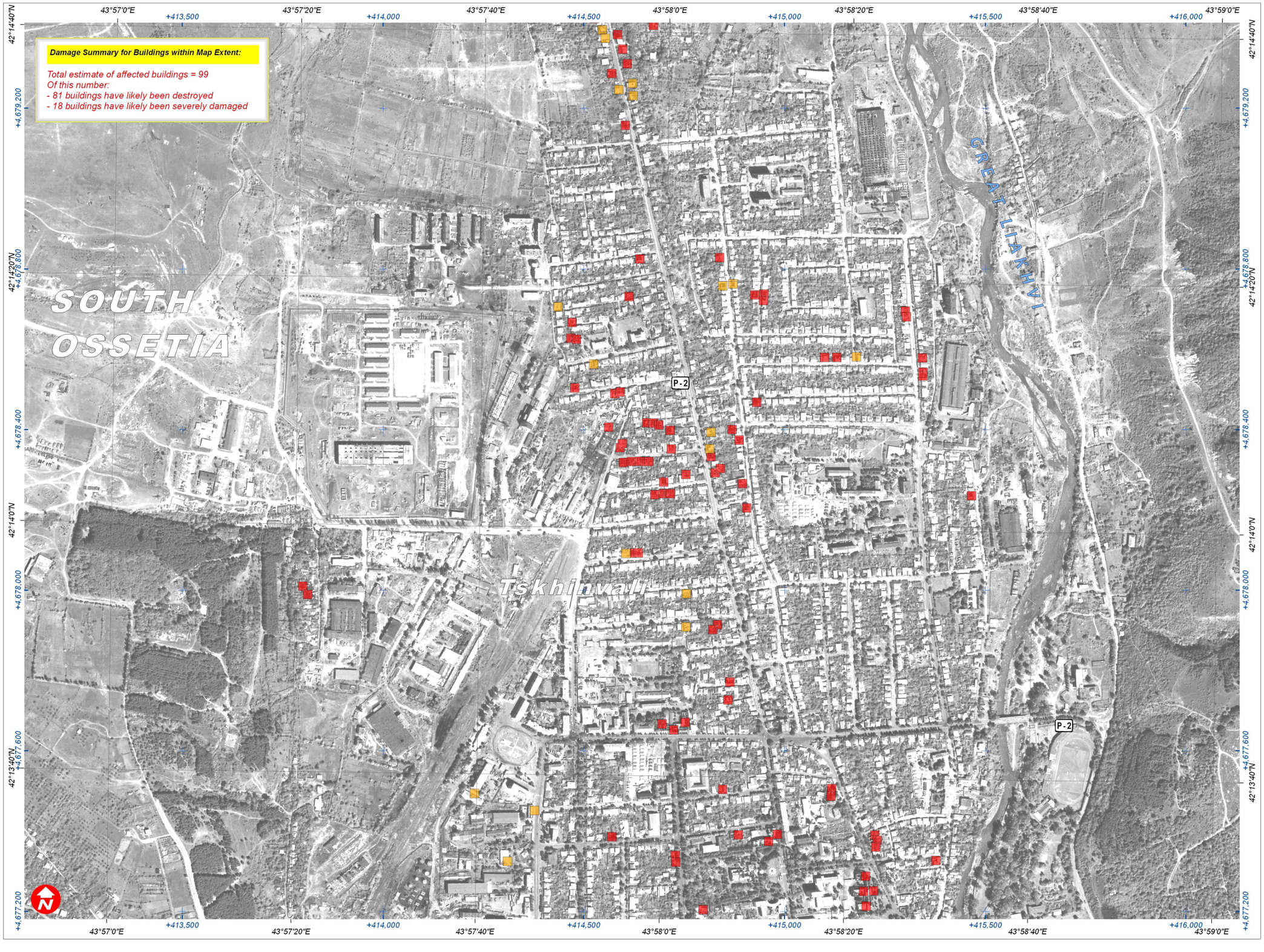
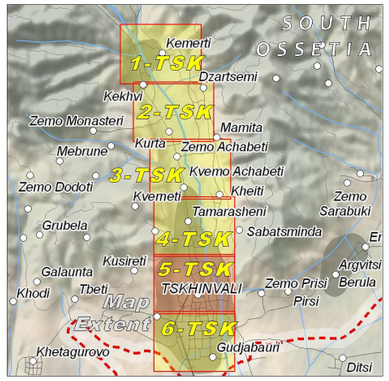
Fire & Armed Conflict — **26 August 2008**

ATLAS SHEET: 5-TSK





Map Legend

Approximate South Ossetia Boundary

SATELLITE DAMAGE ASSESSMENT

Building: Likely Destroyed

Building: Likely Severely Damaged

Building on fire during sat. image acquisition

SATELLITE IMAGE REFERENCE

Damaged Buildings & Active Fire

Industrial Building Area

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Satellite Data	WorldView-1
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Source	U.S. Department of State – HIU
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