

06 November 2025

United Nations Office for the Coordination of Humanitarian Affairs - UNOCHA

UNOSAT Comprehensive Damage Assessment and Security Analysis
of Tulkarm, Nur Shams and Jenin Refugee Camps in Tulkarm and
Jenin Governorates, West Bank, Occupied Palestinian Territory

WEST BANK



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West Bank - Overview

Image center:
31°52'10.4"N
35°13'14.6"E



UNOSAT conducted a satellite imagery-based comprehensive building and road damage assessment and a security analysis within the perimeter of the following refugee camps, in the West Bank, Occupied Palestinian Territory:

- Tulkarem Camp, Tulkarem Governorate
- Nur Shams Camp, Tulkarem Governorate
- Jenin Camp, Jenin Governorate

This report highlights a comprehensive building, infrastructure, and road damage assessment, and a security analysis. Based on the severity scale, the building and infrastructure damage assessment has been categorised into three levels: destroyed, severely damaged, and moderately damaged. The confidence level of the analysis was determined by evaluating the extent of visible damage observed on imagery, along with other indicators such as debris. The road damage assessment has been categorised into three levels as well: widened road, damaged road and new road. The Security analysis shows visible military activities on imagery, such as the presence of military vehicles, roadblocks and berms blocking road access.

UNOSAT acquired satellite images collected on 16 October 2025, on 21 May 2025, on 12 March 2025, on 21 October 2023, and on 17 June 2023. These images were then used for comparison and to detect changes within the areas of interest.

The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city or area or its authorities, or concerning the delimitation of its frontiers or boundaries. The United Nations Satellite Centre (UNOSAT) is not responsible for the misuse or misrepresentation of the maps.



COMPREHENSIVE DAMAGE ASSESSEMENT



UNOSAT conducted a satellite imagery-based comprehensive building and infrastructure damage assessment within the perimeter of the following refugee camps, in the West Bank, Occupied Palestinian Territory:

- Tulkarem Camp, Tulkarem Governorate.
- Nur Shams Camp, Tulkarem Governorate.
- Jenin Camp, Jenin Governorate.

This report highlights a comprehensive building and infrastructure damage assessment (CDA). Based on the severity scale, the CDA has been categorized into three levels:

- Destroyed
- Severely damaged
- Moderately damaged

The confidence level of the analysis was determined by evaluating the extent of visible damage observed on imagery, along with other indicators such as debris.

UNOSAT acquired satellite images collected on 16 October 2025, on 21 May 2025, on 12 March 2025, on 21 October 2023, and 17 June 2023. These images were then used for comparison and to detect changes within the areas of interest.



[Issam Rimawi – Anadolu Agency, 06 March 2025]



AP, April 2024

Comprehensive damage assessment Jenin Camp



This map illustrates a UNOSAT satellite imagery-based comprehensive assessment of damage and destruction to structures within Jenin Camp, Jenin Governorate, West Bank, Occupied Palestinian Territory, based on images collected on 16 October 2025 when compared to an image collected on 21 May 2025.

The Jenin Camp is located 78 km north of East Jerusalem and covers an area of approximately 0.42 km².

According to the satellite imagery analysis, UNOSAT identified 201 destroyed structures, 117 severely damaged structures, and 358 moderately damaged structures for a total of 676 structures. These correspond to around 52% of the total structures that have been damaged in Jenin Camp. This is a preliminary analysis and has not yet been validated in the field.

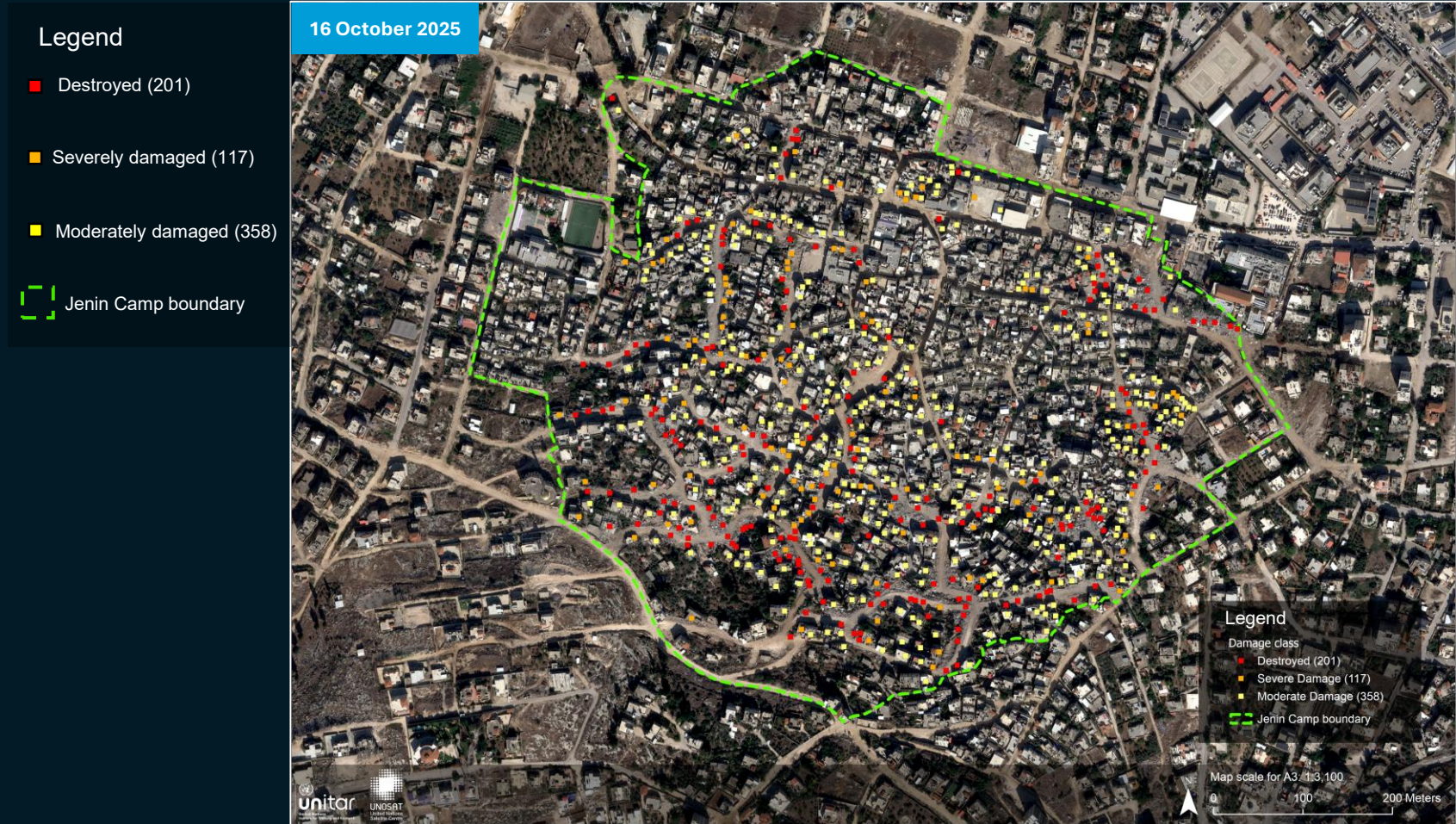


Image center: 32°27'37.2"N 35°17'16.0"E

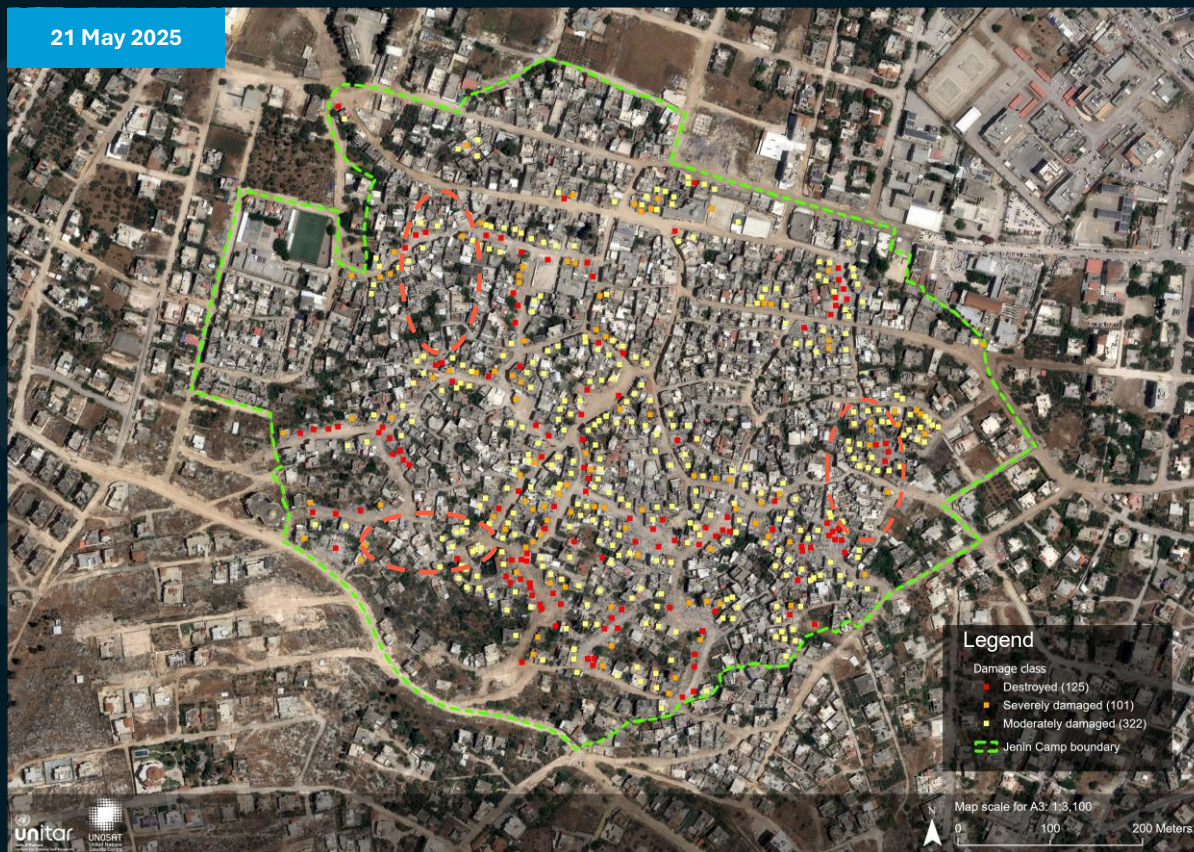
Pleiades NEO image collected on 16 October 2025

Comprehensive damage assessment Jenin Camp

Image center:
32°27'37.2"N
35°17'16.0"E



Changes observed



UNOSAT acquired two Pleiades NEO satellite images of Jenin Camp, Jenin Governorate, West Bank, Occupied Palestinian Territory, collected on 21 May 2025 and 16 October 2025. As of 16 October 2025, compared to 21 May 2025, additional damaged and destroyed buildings were observed, increasing the total number of affected structures in Jenin Camp from 548 to 676.

Comprehensive damage assessment Jenin Camp – AOI 1, 2 and 3

Changes observed



AOI 1



AOI 2



AOI 3

Legend

- Destroyed
- Severely damaged
- Moderately damaged

Comprehensive damage assessment Nur Shams Camp

This map illustrates a UNOSAT satellite imagery-based comprehensive assessment of damage and destruction to structures within Nur Shams Camp, Tulkarem Governorate, West Bank, Occupied Palestinian Territory, based on images collected on 16 October 2025 when compared to an image collected on 21 May 2025.

The Nur Shams Camp is located 63.5 km northwest of East Jerusalem and covers an area of approximatively 0.32 km².

According to the satellite imagery analysis, UNOSAT identified 147 destroyed structures, 37 severely damaged structures, and 198 moderately damaged structures for a total of 382 structures. These correspond to around 48% of the total structures in Nur Shams Camp. This is a preliminary analysis and has not yet been validated in the field.

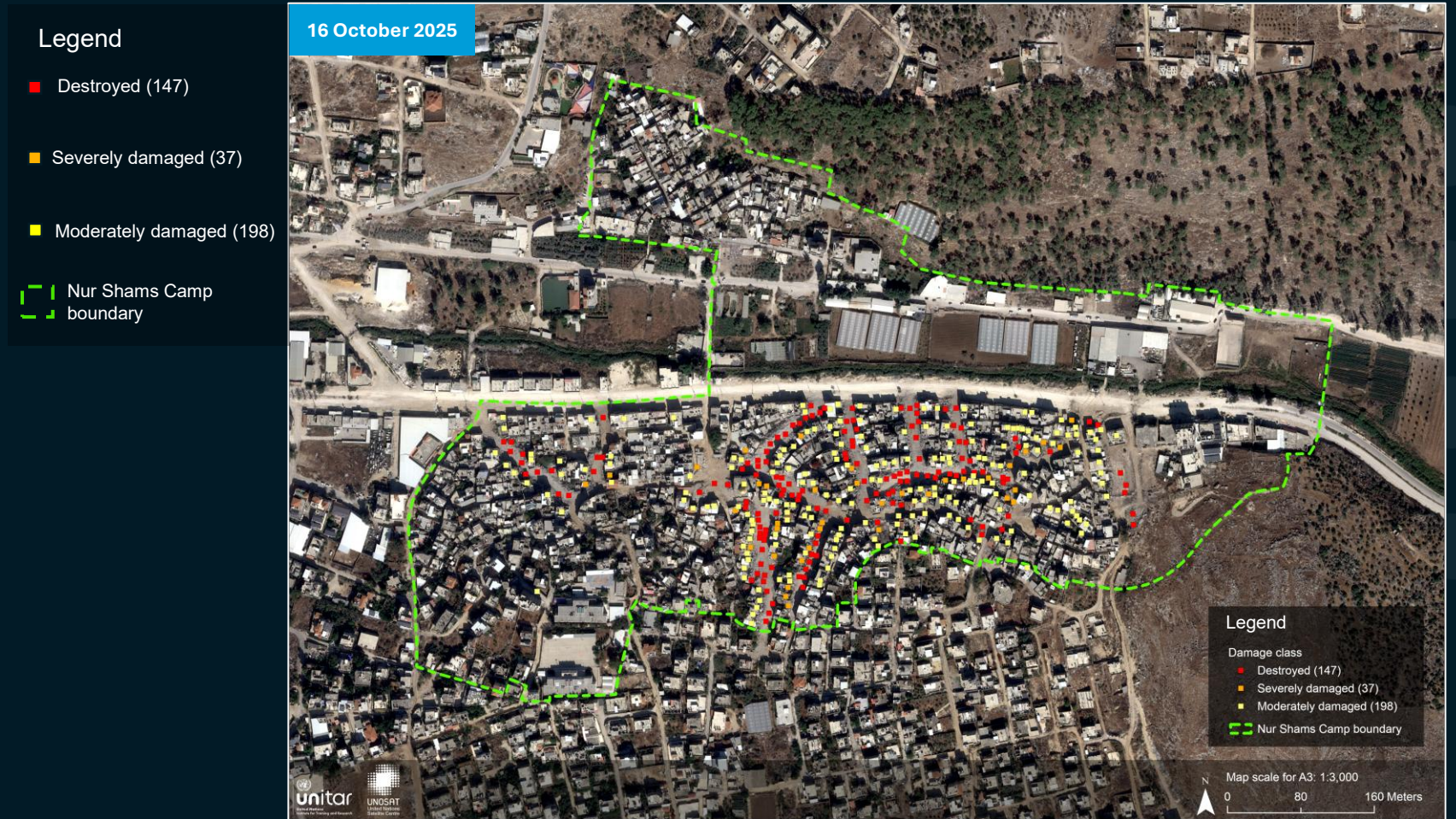


Image center: 32°19'08.7"N 35°03'39.0"E

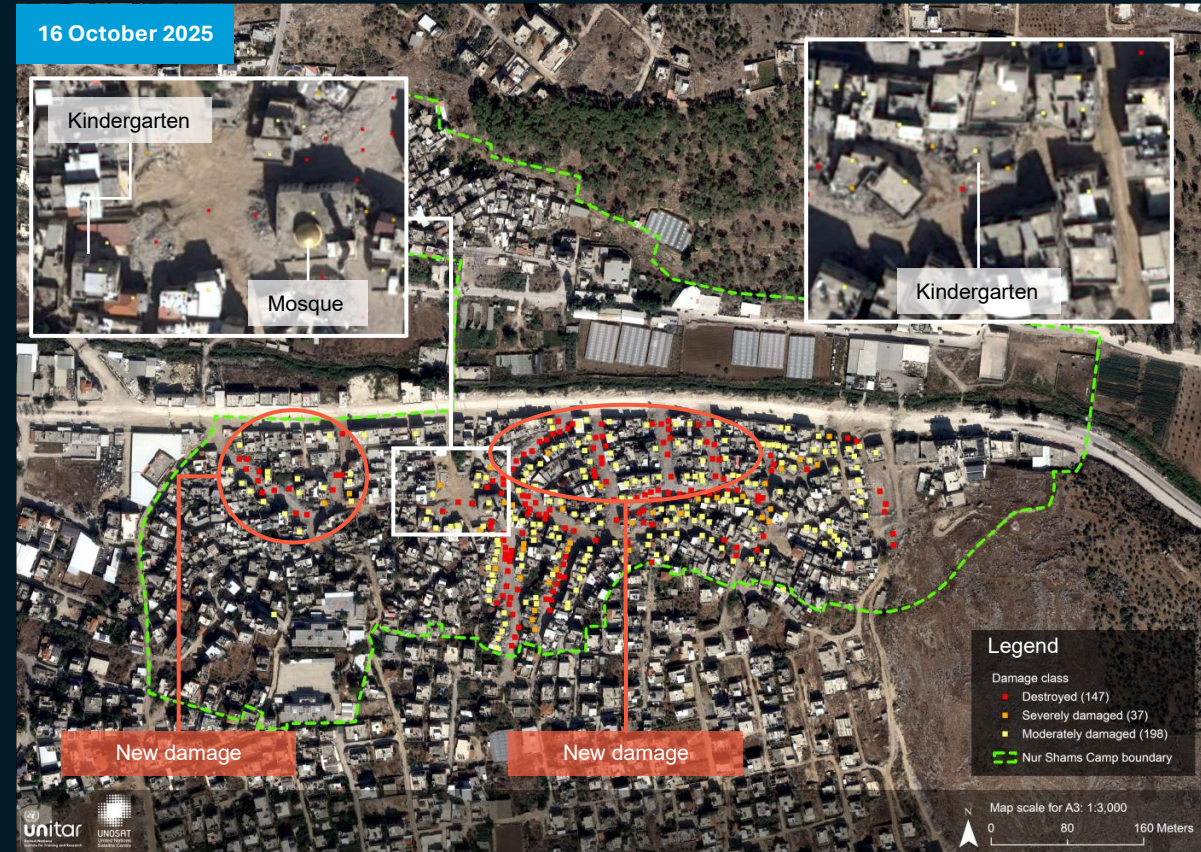
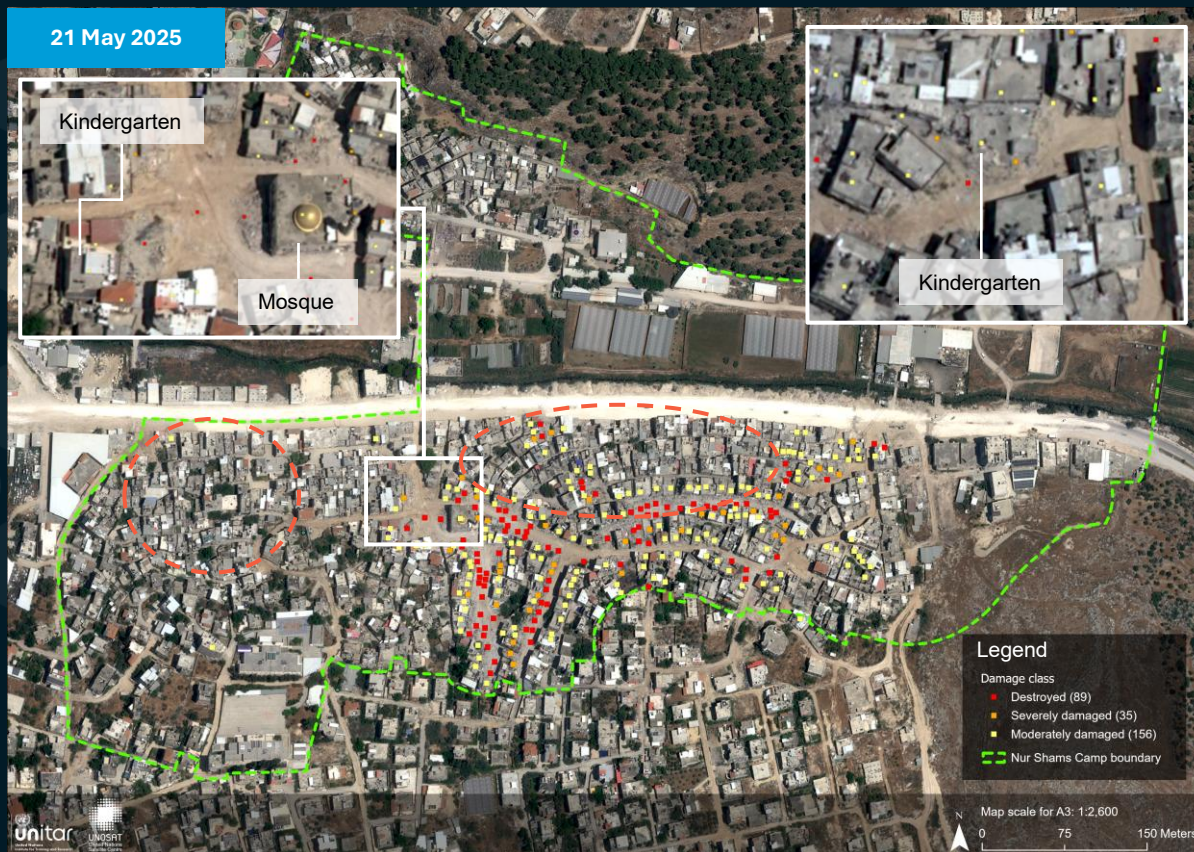
Pleiades NEO image collected on 16 October 2025

Comprehensive damage assessment Nur Shams Camp

Image center:
32°19'08.7"N
35°03'39.0"E



Changes observed



UNOSAT acquired two Pleiades NEO satellite images of Nur Shams Camp, Tulkarem Governorate, West Bank, Occupied Palestinian Territory, collected on 21 May 2025 and 16 October 2025. s of 16 October 2025, compared to 21 May 2025, additional damaged and destroyed buildings were observed, increasing the total number of affected structures in Nur Shams Camp from 280 to 382.

Comprehensive damage assessment Tulkarem Camp

This map illustrates a UNOSAT satellite imagery-based comprehensive assessment of damage and destruction to structures within Tulkarem Camp, Tulkarem Governorate, West Bank, Occupied Palestinian Territory, based on images collected on 16 October 2025 when compared to an image collected on 21 May 2025.

The Tulkarem Camp is located 62 km northwest of East Jerusalem and covers an area of approximatively 0.18 km².

According to the satellite imagery analysis, UNOSAT identified 254 destroyed structures, 52 severely damaged structures, and 96 moderately damaged structures for a total of 402 structures. These correspond to around 36% of the total 1105 structures found in Tulkarem Camp. This is a preliminary analysis and has not yet been validated in the field.



Image center: 32°19'08.7"N 35°03'39.0"E

Pleiades NEO image collected on 16 October 2025

Comprehensive damage assessment Tulkarem Camp

Image center:
32°18'48.6"N
35°02'07.8"E



Changes observed



UNOSAT acquired two Pleiades NEO satellite images of Tulkarem Camp, Tulkarem Governorate, West Bank, Occupied Palestinian Territory, collected on 16 October 2025 and 21 May 2025. As of 16 October 2025, when compared to 21 May 2025, new damaged and destroyed buildings were visible, and the total count of damaged and destroyed structures identified in Tulkarem Camp increased from 157 to 402.

ROAD DAMAGE ASSESSMENT



UNOSAT conducted a satellite imagery-based comprehensive damage assessment within the perimeter of the following refugee camps, in the West Bank, Occupied Palestinian Territory:

- Tulkarem Camp, Tulkarem Governorate.
- Nur Shams Camp, Tulkarem Governorate.
- Jenin Camp, Jenin Governorate.

This report highlights a road damage assessment. The road damage assessment is categorized into three levels:

- **Widened road** (damaged and widened roads, passing through damaged or destroyed buildings).
- **Damaged road** (asphalt/concrete removed, or revealing dusty and muddy surfaces).
- **New road** (new road connection, without any visible damaged structures).

UNOSAT acquired satellite images collected on 16 October 2025, on 21 May 2025, on 12 March 2025, on 21 October 2023, and 17 June 2023. These images were then used for comparison and to detect changes within the areas of interest.



The Palestinian Information Center, 3 September 2025

© UNRWA/Tareq Shalash

Road damage assessment Jenin Camp



This map illustrates a UNOSAT satellite imagery-based comprehensive assessment of damage to roads within Jenin Camp, Jenin Governorate, West Bank, Occupied Palestinian Territory, based on images collected on 16 October 2025 when compared to an image collected on 21 May 2025.

According to the satellite imagery analysis, UNOSAT identified new damaged roads and widened roads, in the vicinity of Jenin Camp, as of 16 October 2025.

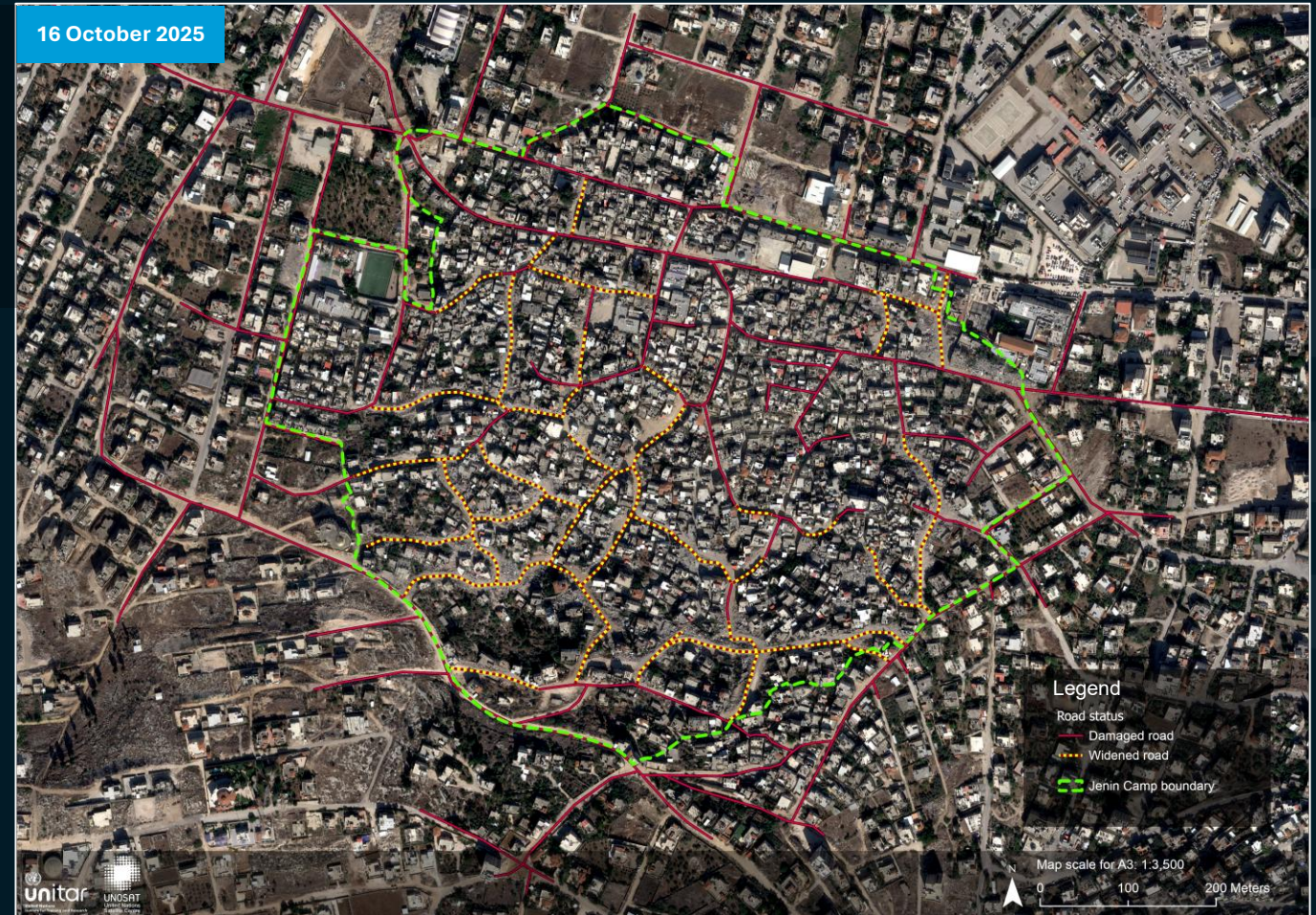
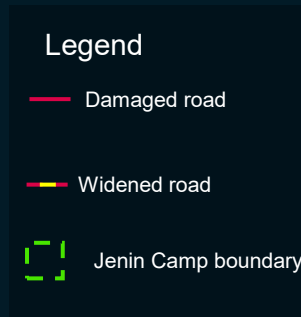


Image center: 32°27'37.2"N 35°17'16.0"E

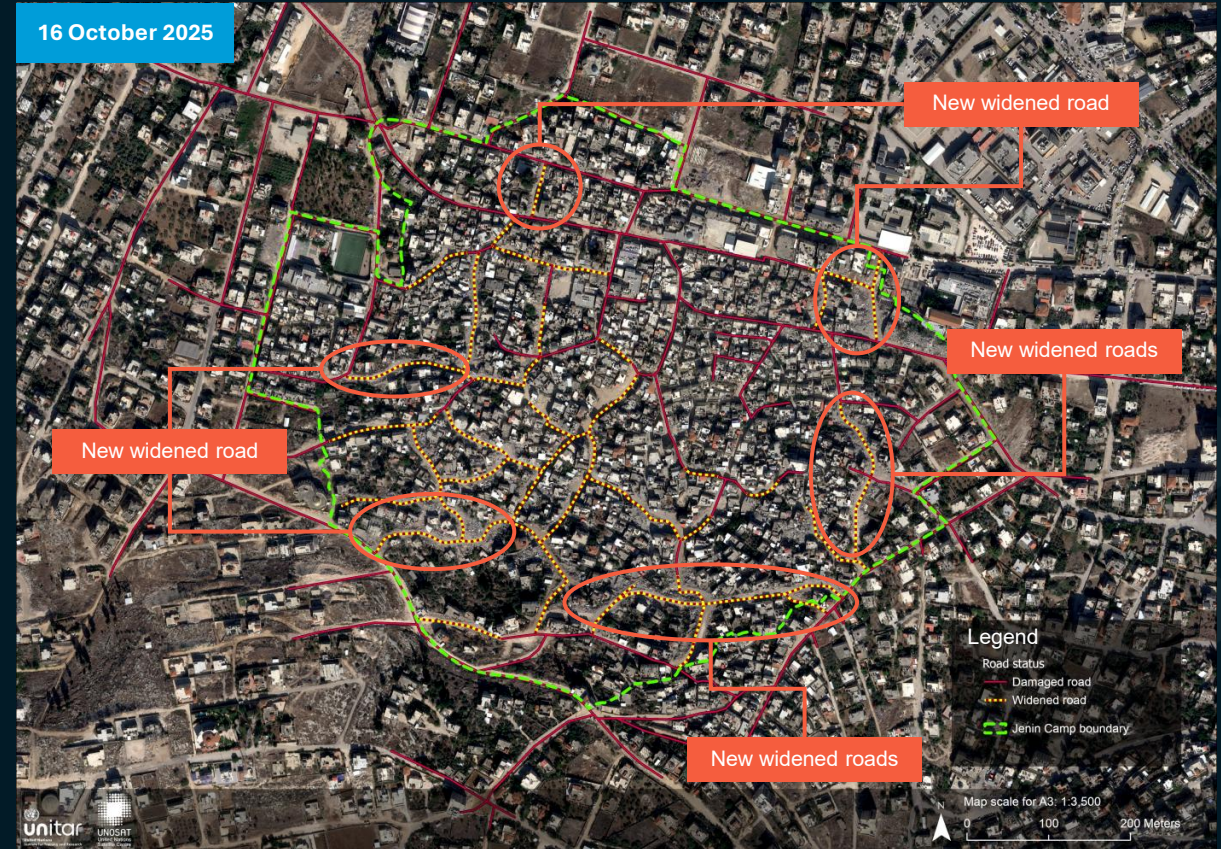
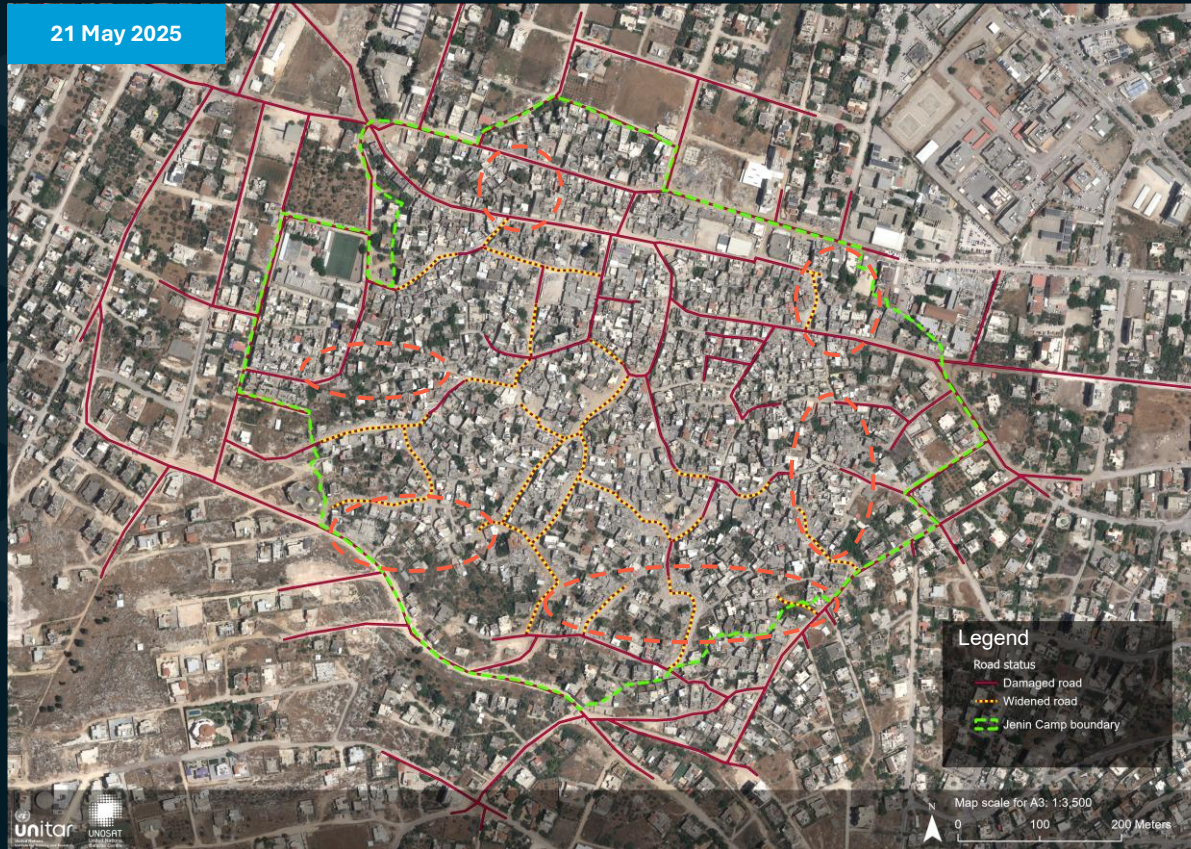
Pleiades NEO image captured on 16 October 2025

Road damage assessment Jenin Camp

Image center:
32°27'37.2"N
35°17'16.0"E



Changes observed



UNOSAT acquired two Pleiades NEO satellite images of Jenin Camp, Jenin Governorate, West Bank, Occupied Palestinian Territory, collected on 21 May 2025 and on 16 October 2025. As of 16 October 2025, new widened roads were visible inside the camp, often connecting to the camp boundary. Along these widened roads, buildings appeared damaged or destroyed.

Road damage assessment Jenin Camp – AOI 1, 2 and 3

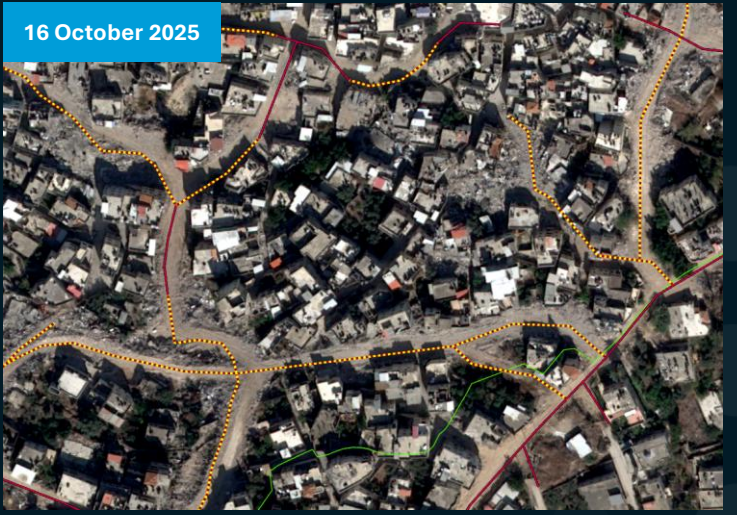
Changes observed



AOI 1



AOI 2



AOI 3

Legend

- Damaged road
- Widened road

Road damage assessment

Nur Shams Camp

This map illustrates a UNOSAT satellite imagery-based comprehensive assessment of damage to roads within Nur Shams Camp, Tulkarem Governorate, West Bank, Occupied Palestinian Territory, based on images collected on 16 October 2025 when compared to an image collected on 21 May 2025.

According to the satellite imagery analysis, UNOSAT identified several damaged roads and widened roads, in the vicinity of Nur Shams Camp, as of 16 October 2025.



Legend

- Damaged road
- Widened road
- Nur Shams Camp boundary

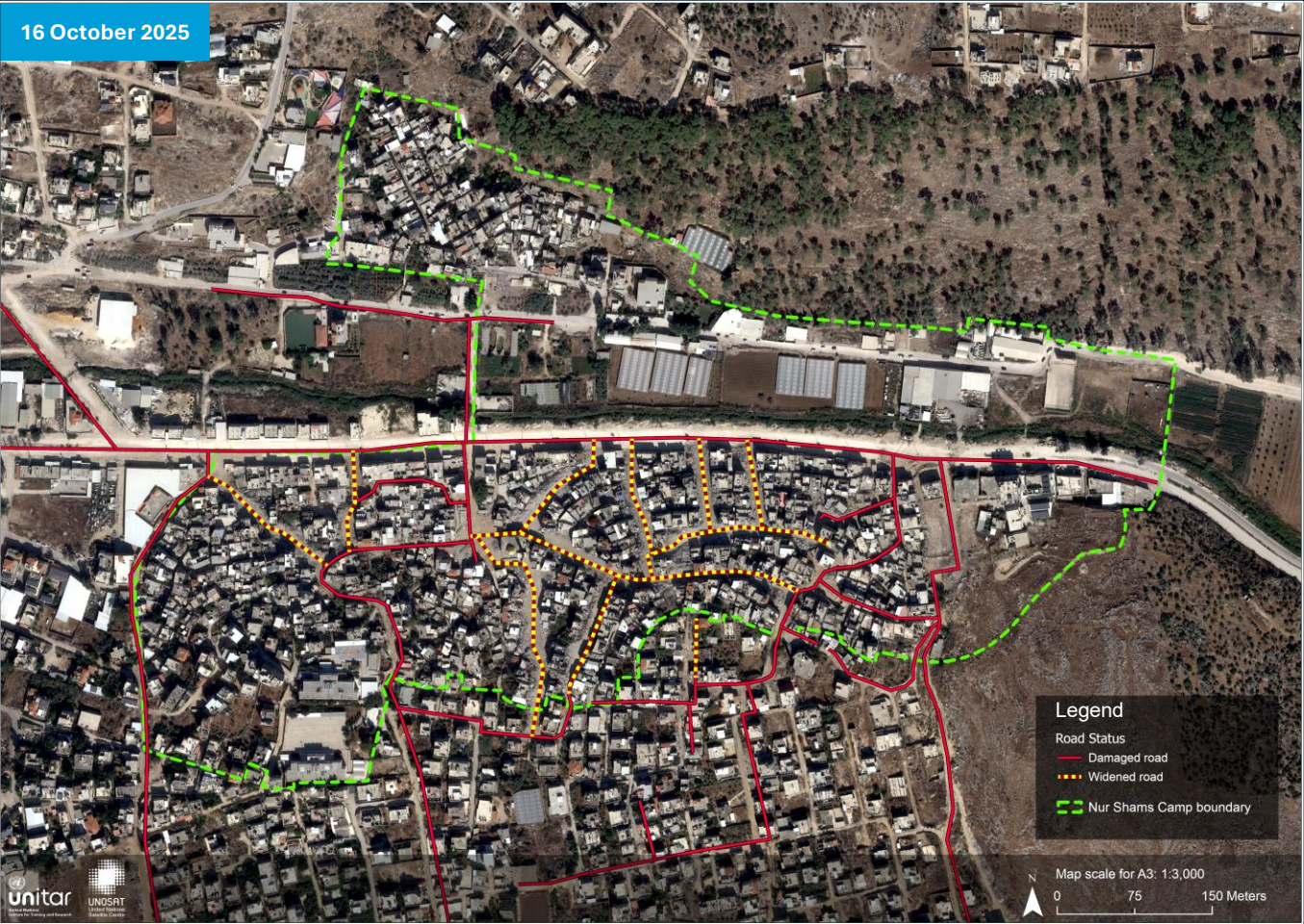


Image center: 32°19'08.7"N 35°03'39.0"E

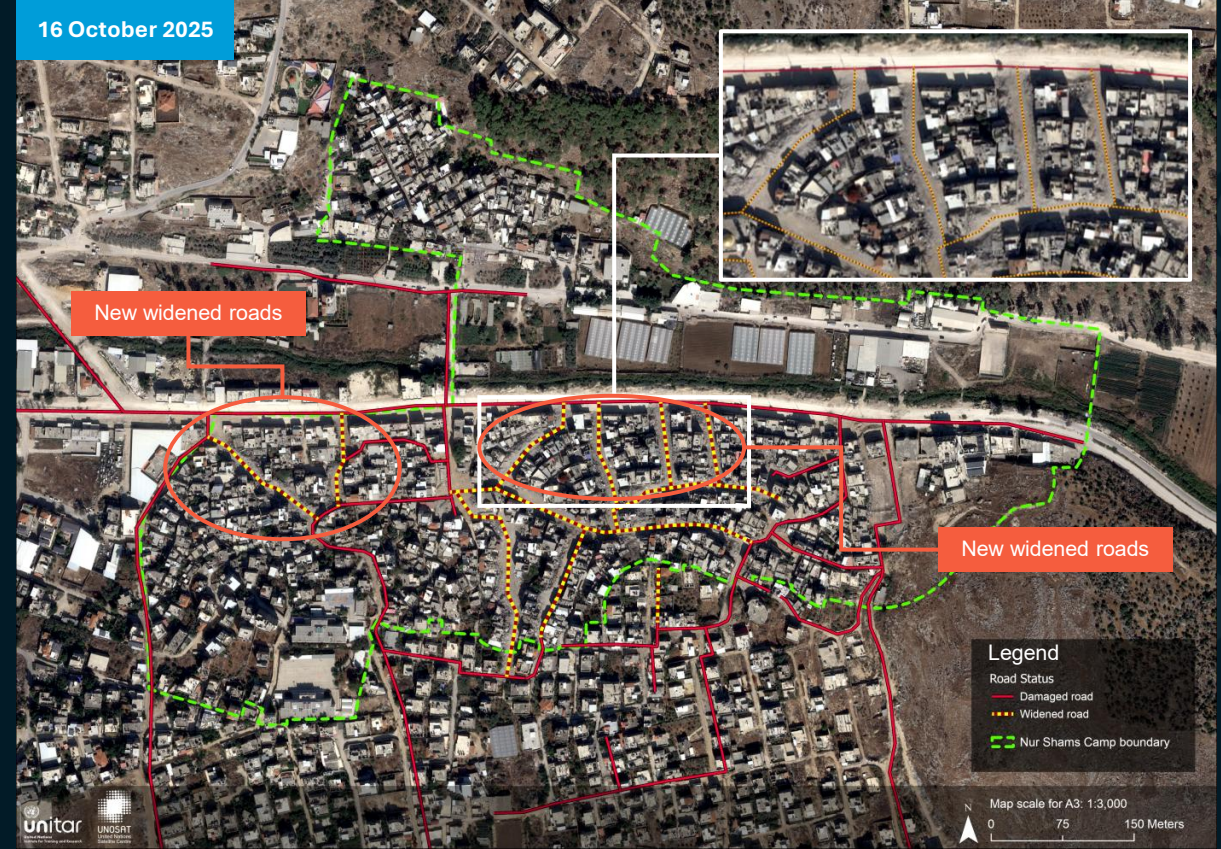
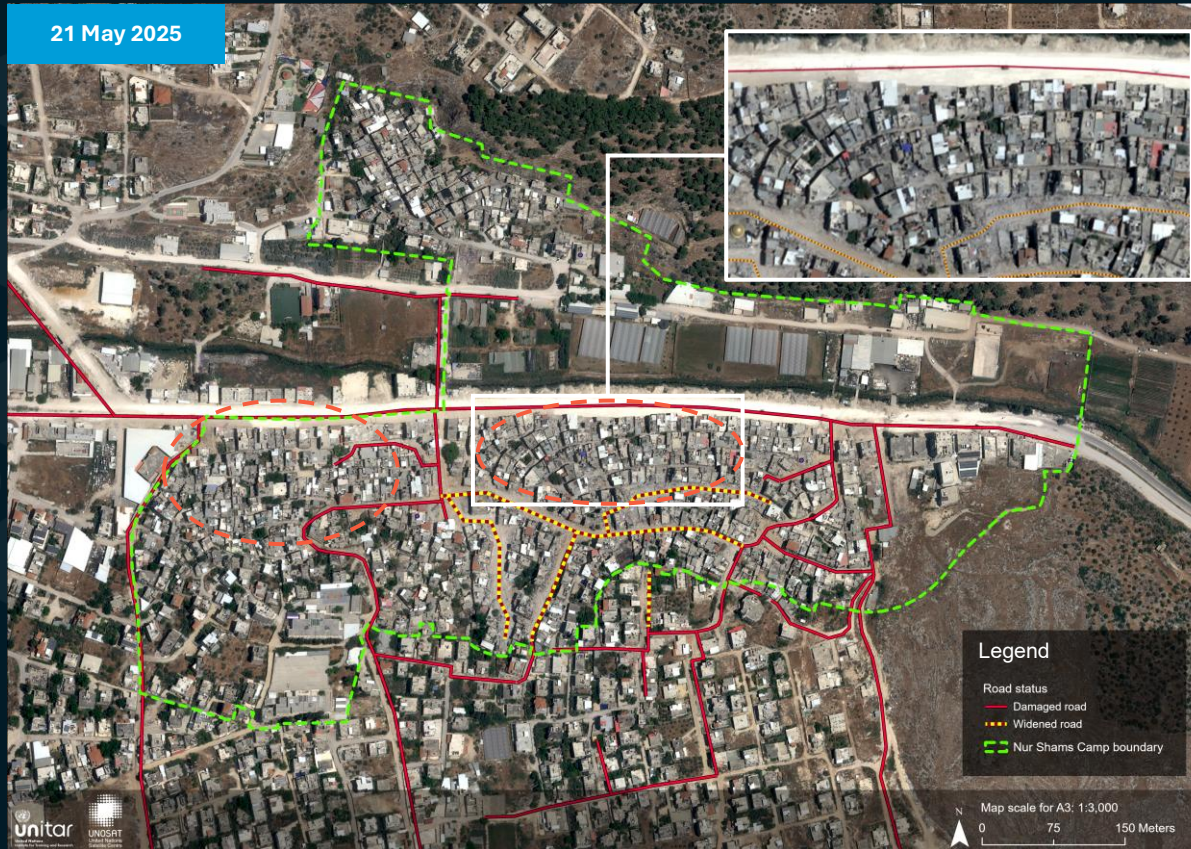
Pleiades NEO image captured on 16 October 2025

Road damage assessment Nur Shams Camp

Image center:
32°19'08.7"N
35°03'39.0"E



Changes observed



UNOSAT acquired two Pleiades NEO satellite images of Nur Shams Camp, Tulkarem Governorate, West Bank, Occupied Palestinian Territory, collected on 21 May 2025 and 16 October 2025. As of 16 October 2025, new sections of widened were visible. Along the widened roads, buildings were destroyed or damaged.

Road damage assessment Tulkarem Camp



This map illustrates a UNOSAT satellite imagery-based comprehensive assessment of damage to roads within Tulkarem Camp, Tulkarem Governorate, West Bank, Occupied Palestinian Territory, based on images collected on 16 October 2025 when compared to an image collected on 21 May 2025.

According to the satellite imagery analysis, UNOSAT identified several new widened roads, in the vicinity of Tulkarem Camp, as of 16 October 2025.



Legend

Damaged road

Widened road

Tulkarem Camp boundary



Image center: 32°18'48.6"N 35°02'07.8"E

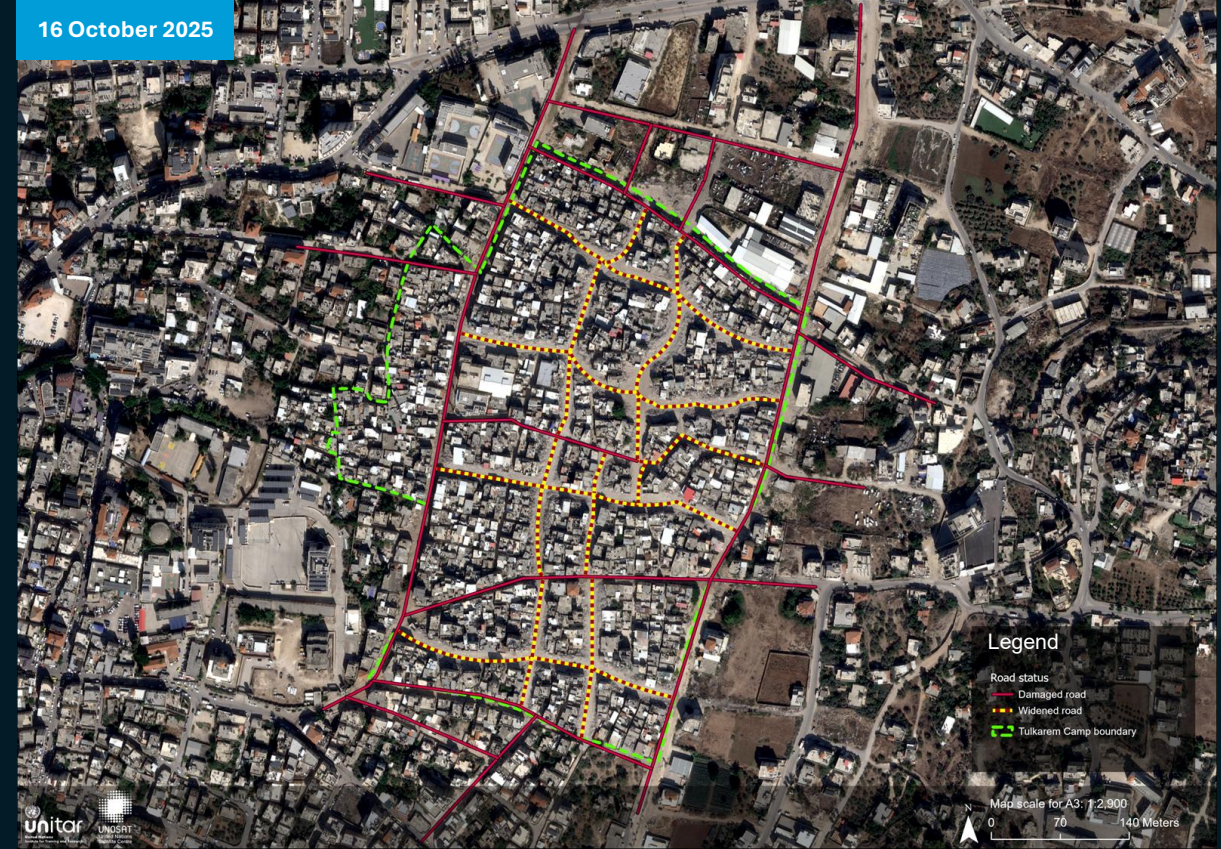
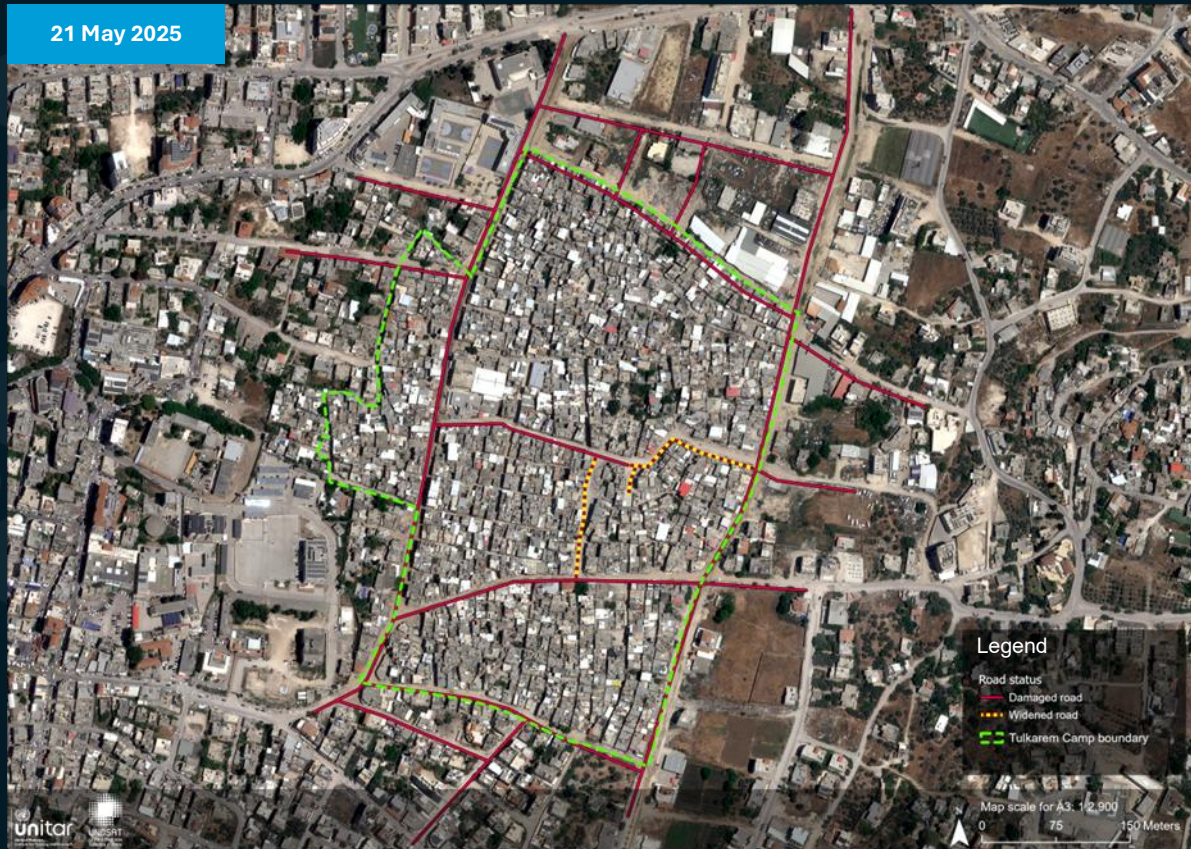
Pleiades NEO image collected on 16 October 2025

Road damage assessment Tulkarem Camp

Image center:
32°18'48.6"N
35°02'07.8"E



Changes observed



UNOSAT acquired two Pleiades NEO satellite images of Tulkarem Camp, Tulkarem Governorate, West Bank, Occupied Palestinian Territory, collected on 16 October 2025 and 21 May 2025. As of 16 October 2025, when compared to 21 May 2025, several new sections of roads in the vicinity of Tulkarem Camp appeared widened. Along the widened roads, buildings appeared damaged or destroyed.

SECURITY ASSESSMENT



UNOSAT conducted a satellite imagery-based comprehensive damage assessment within the perimeter of the following refugee camps, in the West Bank, Occupied Palestinian Territory:

- Tulkarem Camp, Tulkarem Governorate.
- Nur Shams Camp, Tulkarem Governorate.
- Jenin Camp, Jenin Governorate.

This report highlights a security analysis. The Security analysis shows military activities visible on imagery, such as the presence of military vehicles, roadblocks and berms on the roads blocking the roads access. Among the military vehicles the presence of military trucks, armored vehicles, bulldozers, and excavators were observed in the vicinity of certain camps.

UNOSAT acquired satellite images collected on 16 October 2025, on 21 May 2025, on 12 March 2025, on 21 October 2023, and 17 June 2023. These images were then used for comparison and to detect changes within the areas of interest.



Qassam Muaddi/Mondoweiss, March 2025



Xinhua, 02 September 2024

Security assessment Jenin Camp



This map illustrates a UNOSAT satellite imagery-based security assessment of Jenin Camp, Jenin Governorate, West Bank, Occupied Palestinian Territory, based on images collected on 16 October 2025 when compared to an image collected on 21 May 2025.

According to satellite imagery analysis, UNOSAT identified 29 berms and 2 roadblocks surrounding the camp, blocking civilian vehicular access. These berms are mainly located on damaged road sections.

A total of 5 military construction vehicles (as bulldozers and excavators), 7 military trucks and one 1 possible armoured vehicle were overserved outside the camp area.

Legend

- Berm (29)
- Roadblock (2)
- Armoured vehicles (1)
- Military truck (5)
- Vehicle (7)
- Jenin Camp boundary

16 October 2025

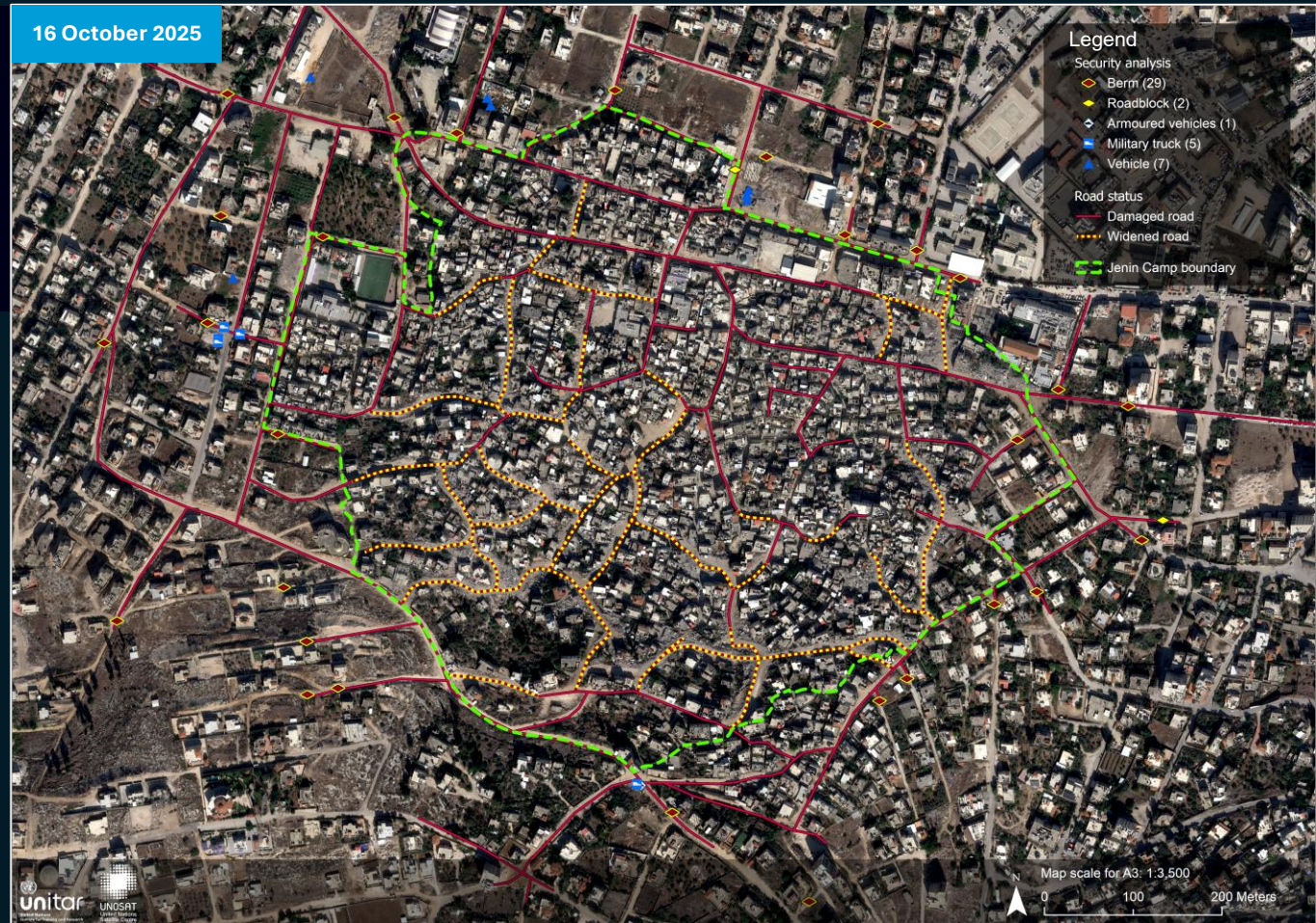
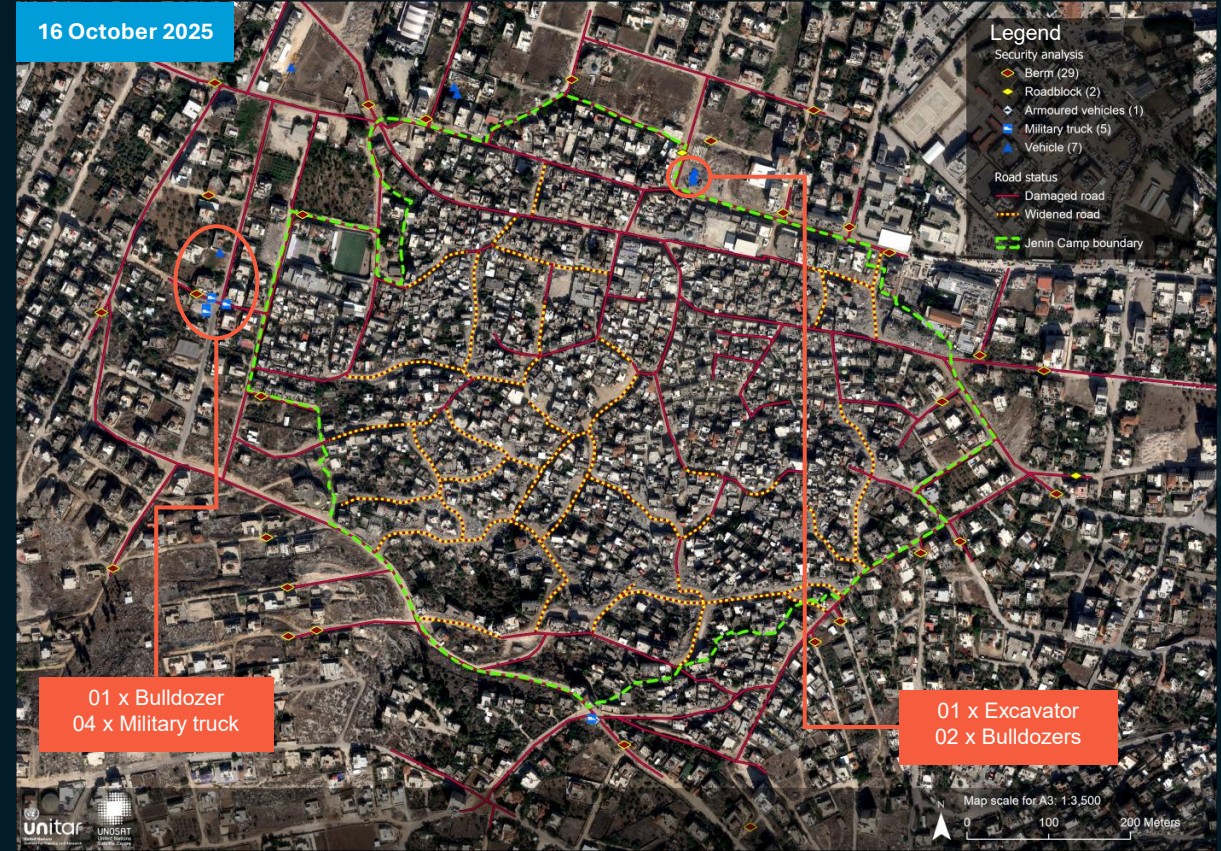
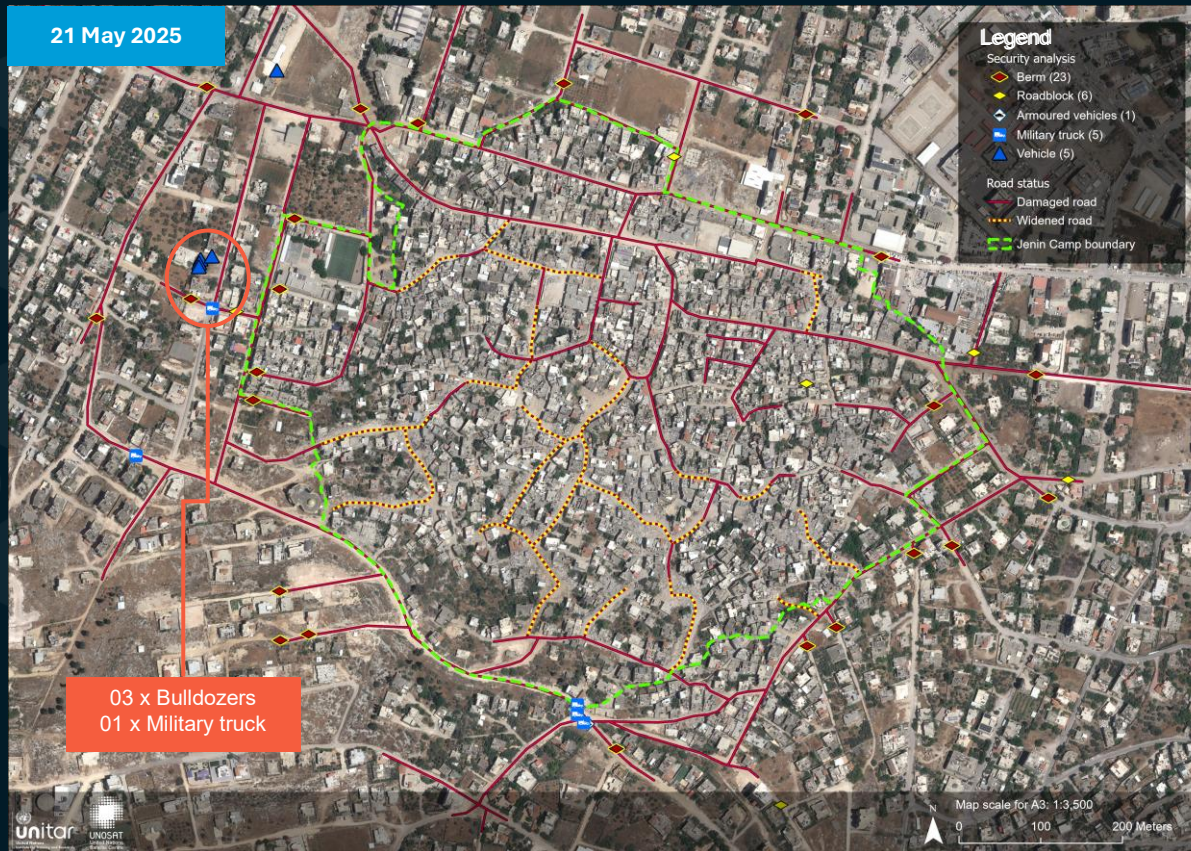


Image center: 32°27'37.2"N 35°17'16.0"E

Pleiades NEO image captured on 16 October 2025

Security assessment Jenin Camp

Image center:
32°27'37.2"N
35°17'16.0"E

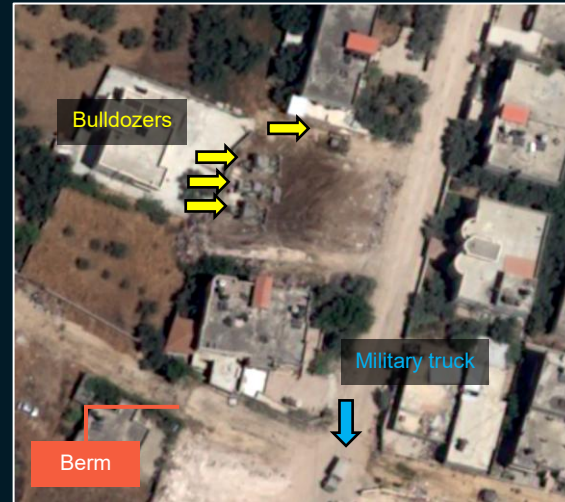


UNOSAT acquired two Pleiades NEO satellite images of Jenin Camp, Jenin Governorate, West Bank, Occupied Palestinian Territory, collected on 21 May 2025 and 16 October 2025. As of 21 May 2025, military vehicles were observed outside the camp boundary, along with berms and roadblocks on damaged roads restricting access to the camp. By 16 October 2025, these berms and roadblocks remained visible, with additional berms observed on roads outside the camp boundary. Military and construction vehicles were still present outside the camp, repositioned around the area, indicating ongoing activity.

Security assessment Jenin Camp – 21 May 2025



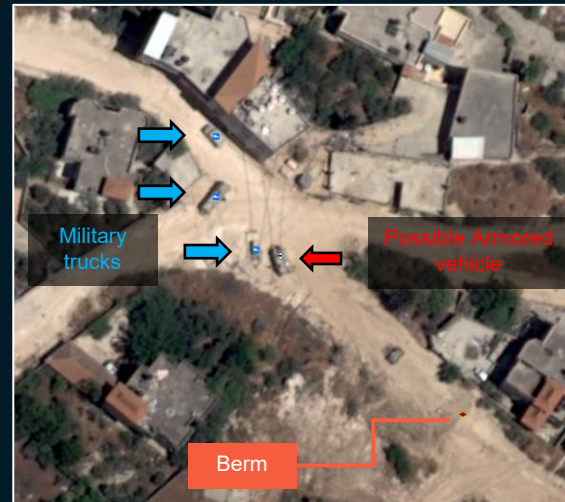
AOI 1



AOI 3



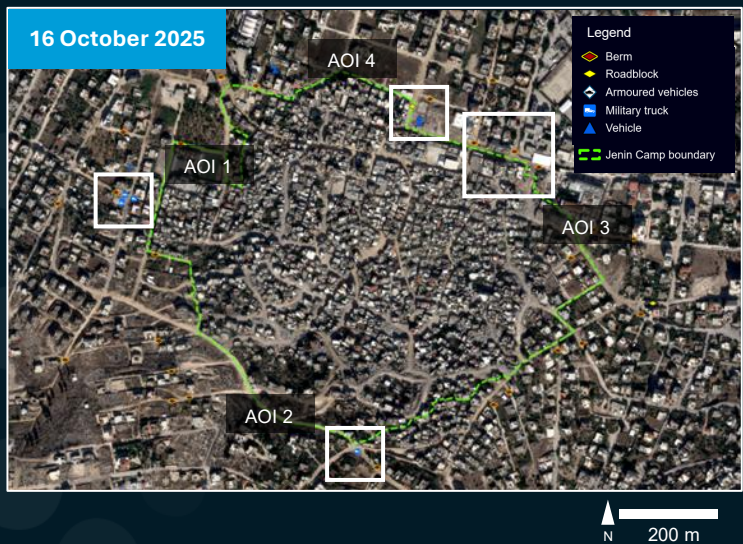
AOI 2



AOI 4



Security assessment Jenin Camp – 16 October 2025



AOI 1



AOI 2



AOI 3



AOI 4



Security assessment Nur Shams Camp

This map illustrates a UNOSAT satellite imagery-based security assessment of Nur Shams Camp, Tulkarem Governorate, West Bank, Occupied Palestinian Territory, based on images collected on 16 October 2025 when compared to an image collected on 21 May 2025.

According to satellite imagery analysis, UNOSAT identified one breached berm, one berm, and two roadblocks on the main damaged road crossing Nur Shams Camp, restricting access to the camp, as well as one berm within the camp compound.

Legend

- ◇ Berm (3)
- ◆ Roadblock (2)
- ▭ Nur Shams Camp boundary

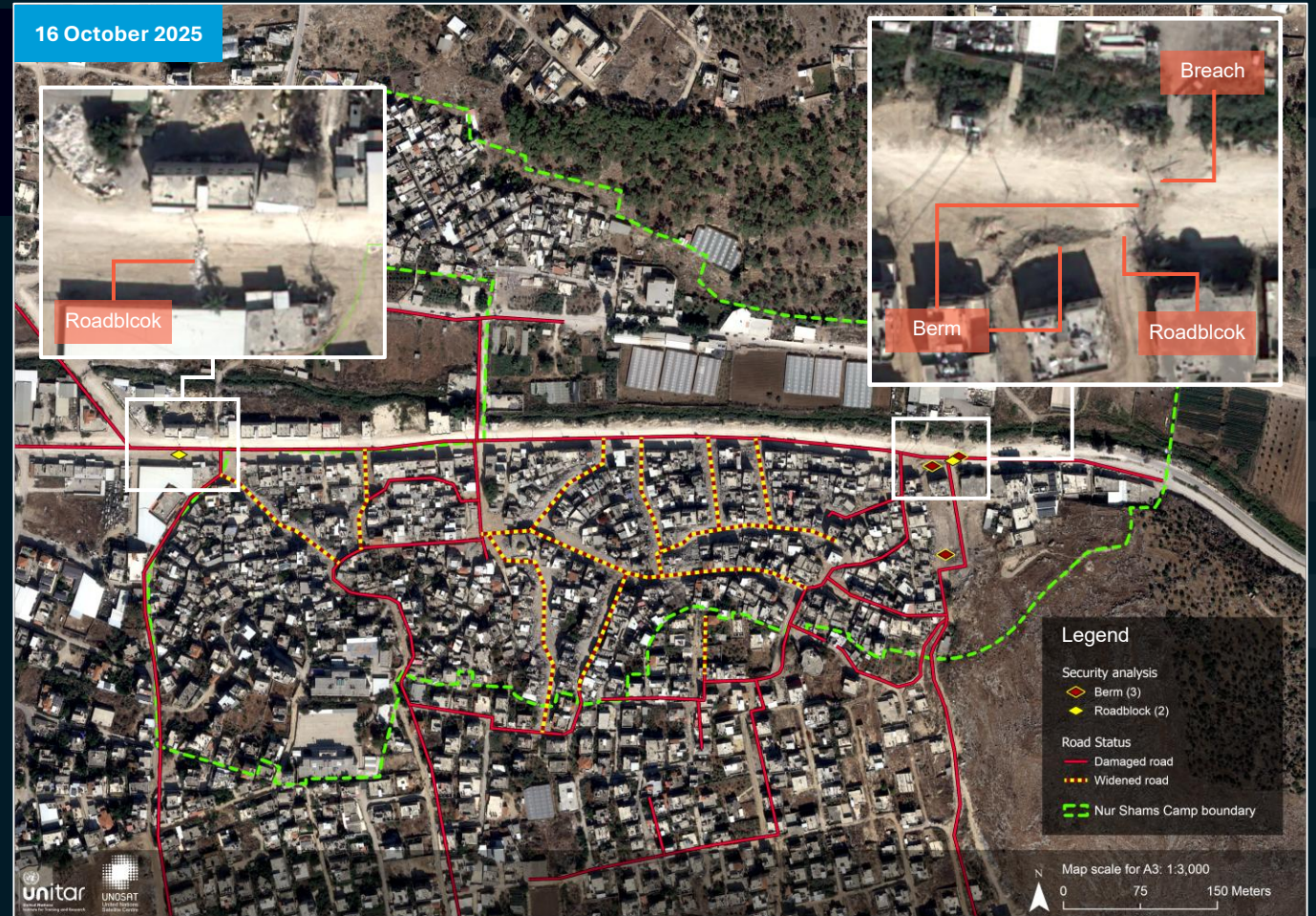


Image center: 32°19'08.7"N 35°03'39.0"E

Pleiades NEO image captured on 16 October 2025

Security assessment Nur Shams Camp



UNOSAT

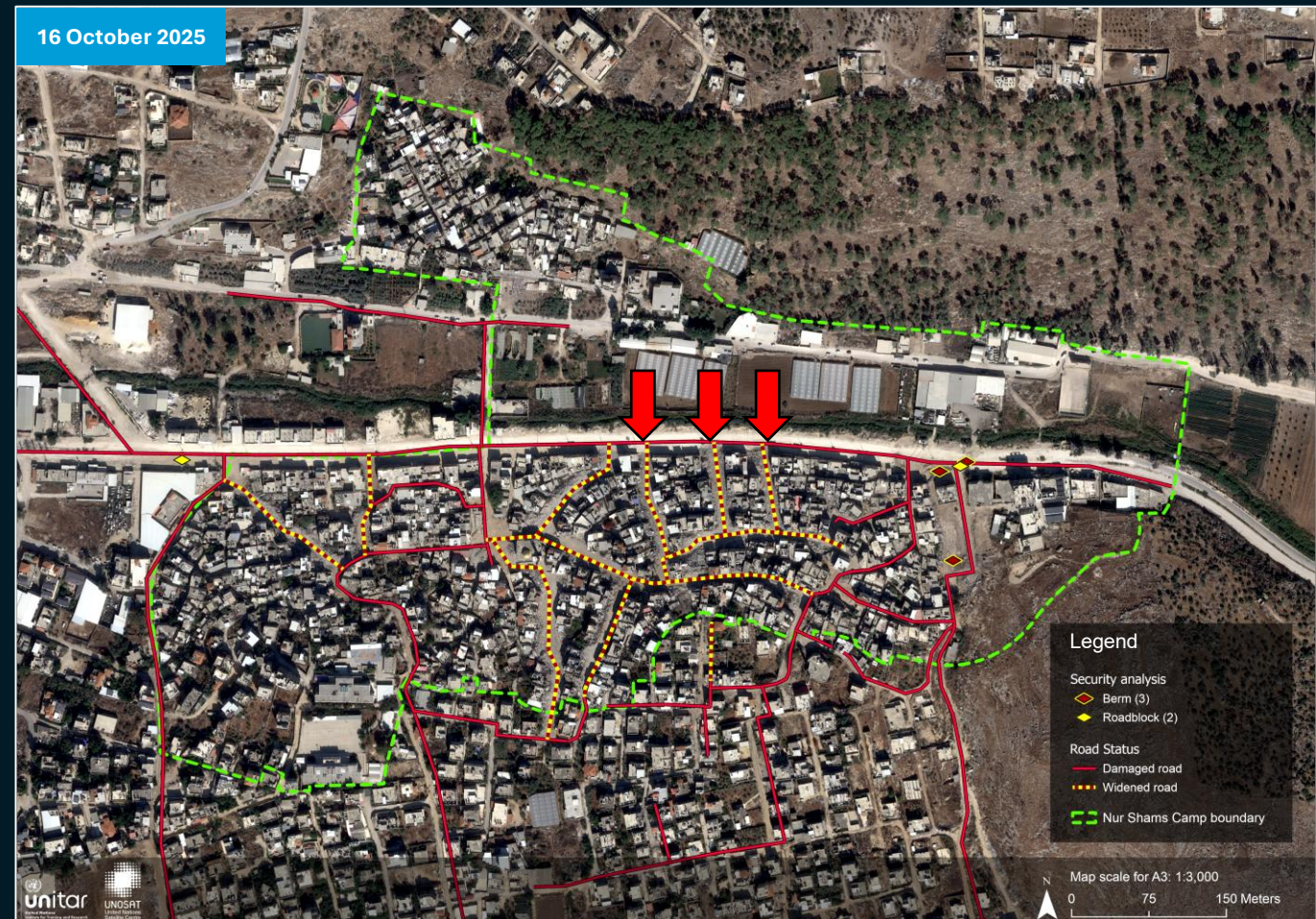


Image center: 32°19'08.7"N 35°03'39.0"E

Pleiades NEO image captured on 16 October 2025

Security assessment Tulkarem Camp

This map illustrates a UNOSAT satellite imagery-based security assessment of Tulkarem Camp, Tulkarem Governorate, West Bank, Occupied Palestinian Territory, based on images collected on 16 October 2025 when compared to an image collected on 21 May 2025.

According to satellite imagery analysis, UNOSAT identified four berms surrounding the camp, possibly blocking civilian vehicular access; these berms are mainly located on widened road sections.

Legend

-  Berm (4)
-  Tulkarem Camp boundary

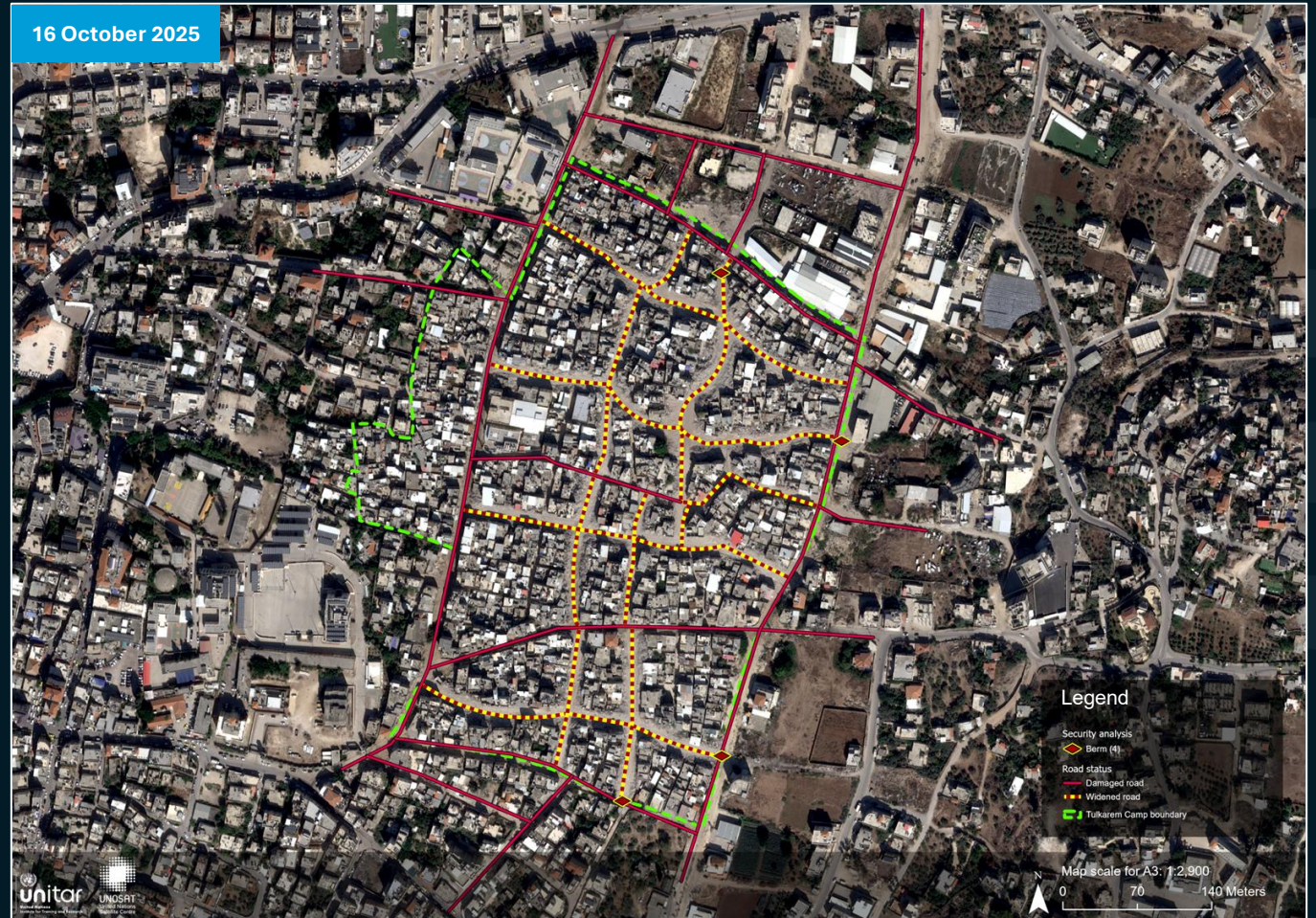


Image center: 32°18'48.6"N 35°02'07.8"E

Pleiades NEO image captured on 16 October 2025

Security assessment Tulkarem Camp – 21 May 2025



AOI 1



AOI 3



AOI 2



AOI 4



Data sources:

(1) Satellite Images

Satellite imagery: WorldView-2

Imagery date: 17.06.2023, 21.10.2023

Resolution: 50 cm

Copyright: © Vantor 2023

Satellite imagery: Pléiades-NEO

Imagery date: 12.03.2025, 21.05.2025, 16.10.2025

Resolution: 30 cm

Copyright: CNES 2025

Source: Airbus D&S – Pléiades-NEO

(2) Ancillary data

Boundaries: OCHA, PCBS

Damage assessment: UNOSAT

Roads: UNOSAT

Security analysis: UNOSAT

Analysis: United Nations Satellite Centre (UNOSAT)

Production: United Nations Satellite Centre (UNOSAT)

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