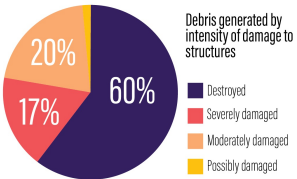


This initial quantification of conflict generated debris in the Gaza Strip is derived from UNOSAT Comprehensive Damage Assessment from 8 July 2025, in conjunction with updated building footprint as of May 2023 based on the national statistical office data. Damaged building footprints were enriched through zonal statistics with an above surface height model, derived from the difference between a DTM (SRTM) and a DSM (ALOS World 3D) as provided by the European Commission in the GHS-Built H product.

For modelling purposes, minimum building height is considered to be 3m. Each built sq. meter is considered to have generated 1t of debris. Results are aggregated into an hexagonal grid where each cell is 250m wide.

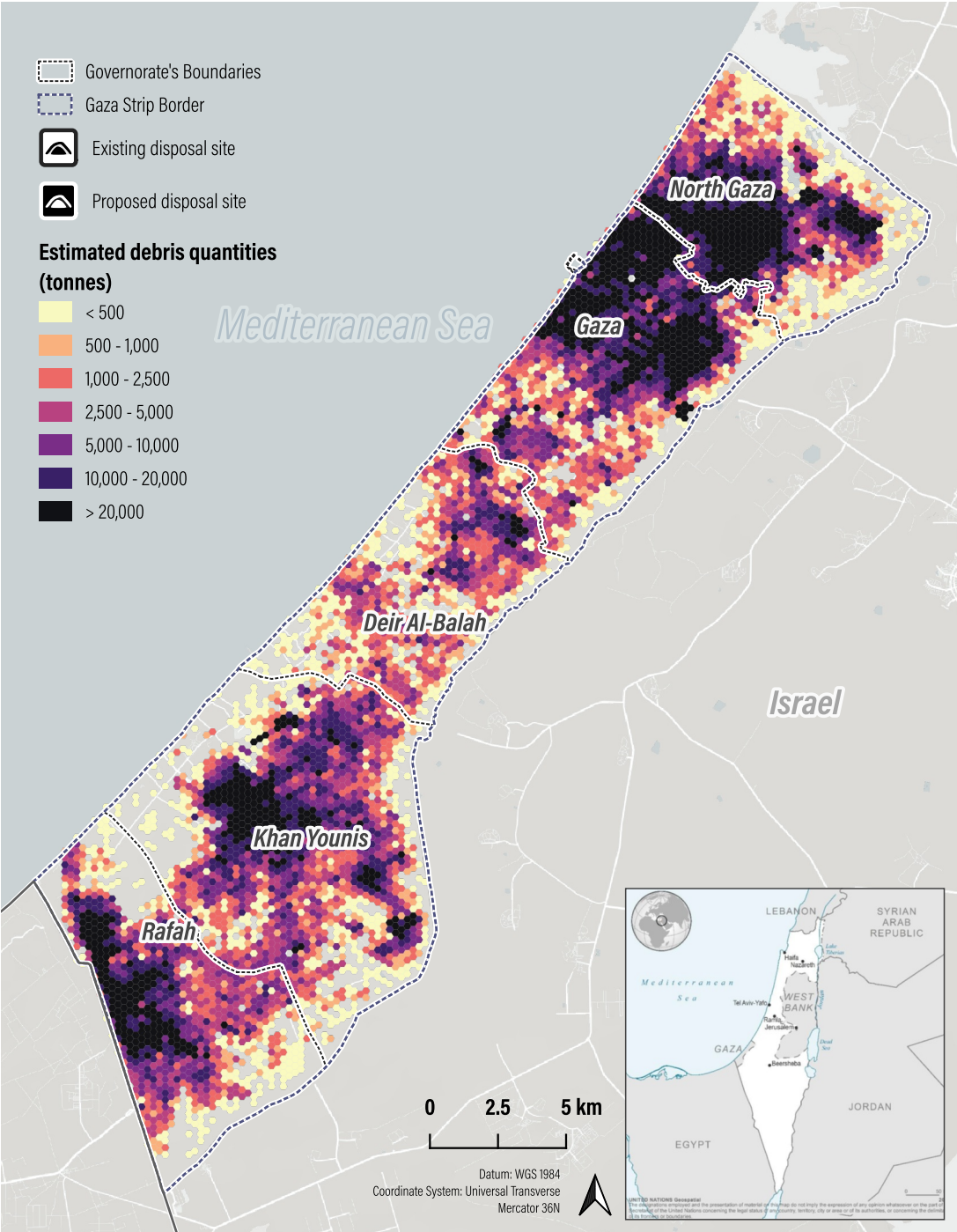
Total debris quantity **61,471,996 t**

According to UNOSAT damage assessment, a total of 192,851 structures were damaged in the Gaza Strip as of 8 July 2025.



For the debris optioneering the following scenarios were developed and applied:

- A. Disposal of all debris at a debris disposal site located centrally in each of the following zones: North Gaza, Gaza, Deir Al-Balah, Khan Younis and Rafah;
- B. 50% disposal of the debris to locations as above scenario A, and 50% recycling of the debris at the following sites using 105 trucks: 1 centralised debris recycling in North Gaza, 1 centralised debris recycling in Gaza, 1 centralised debris recycling in Khan Younis that serves Deir Al-Balah, Khan Younis and Rafah.



SCENARIO 1 - ALL TO DISPOSAL
Debris Management Outputs

Time to clear with 105 trucks (years)	7
Time to recycle (years)	0

Total time to clear and recyle (years)	7
Total cost to clear (US\$) Including project management	1,175,533,708
Revenue from recycling (US\$)	0
Cost less revenue (US\$)	1,175,533,708

Total distance covered (km)	29,099,200
CO2e from trucking (tCO2)	99,664
Cost of haulage (US\$)	860,607,944

Material recovered for reconstruction (tonnes)	0
Material recovered for reconstruction (%)	0
Cost of processing of debris (US\$)	0
Value of recovered material in market (US\$)	0
Total cost of natural raw materials substituted (US\$)	0

Material disposed	61,471,996 t (100%)
Total space required for disposal (ha/donum)	727 / 7,273
Value of land taken by disposal (US\$/5 years)	7,274,792

SCENARIO 2 - 50% RECYCLING
Debris Management Outputs

Time to clear with 105 trucks (years)	7
Time to recycle (years)	7

Total time to clear and recyle (years)	7
Total cost to clear (US\$) Including project management	1,426,859,599
Revenue from recycling (US\$)	461,039,970
Cost less revenue (US\$)	965,819,629

Total distance covered (km)	29,099,200
CO2e from trucking (tCO2)	99,664
Cost of haulage (US\$)	860,607,944

Material recovered for reconstruction (tonnes)	30,735,998
Material recovered for reconstruction (%)	50
Cost of processing of debris (US\$)	215,151,986
Value of recovered material in market (US\$)	461,039,970
Total cost of natural raw materials substituted (US\$)	829,871,946

Material disposed	30,735,998 t (50%)
Total space required for disposal (ha/donum)	363 / 3,637
Value of land taken by disposal (US\$/5 years)	3,637,396

Clearance times are shorter than in previous scenarios because the full capacity of 105 trucks is being applied across all Governorates as a shared resource, rather than assigning a fixed number of trucks to each individual Governorate.