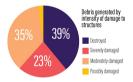


This initial quantification of conflict generated debris in the Gaza Strip is derived from UNOSAT Comprehensive Damage Assessment from 6 September 2024, in conjunction with updated building footprint as of May 2023 based on the national statistical office data. Damaged building footprints were enriched 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 47,399,542 t

According to UNOSAT damage assessment, a total of 163,778 structures were damaged in the Gaza Strip as of 6 September 2024.

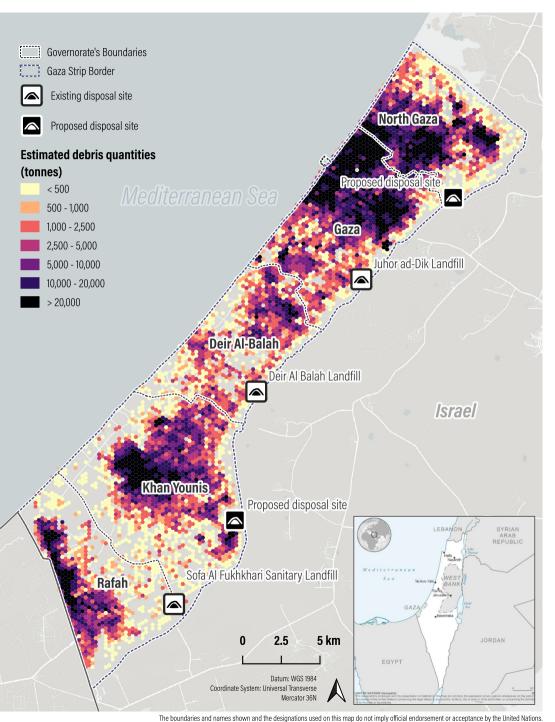


For the debris optioneering the following scenarios were developed and applied:

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.

Mine action/EOD costs are approximately 10% of debris management costs according to UNMAS.



SCENARIO 1 - ALL TO DISPOSAL SCENARIO 2 - 50% RECYCLING **Debris Management Outputs Debris Management Outputs** Time to clear with 105 Time to clear with 105 20 trucks (years) trucks (years) Time to recycle (years) Time to recycle (years) 16 Total time to clear and 20 20 Total time to clear and recyle (years) recyle (years) 908,886,218 1,101,446,857 Total cost to clear (US\$) Total cost to clear (US\$) Including project management Including project management Revenue from recycling 0 Revenue from recycling 355,496,565 (US\$) (US\$) Cost less revenue 908.886.218 Cost less revenue 745.950.292 (US\$) (USS) UNMAS estimate for EOD UNMAS estimate for EOD 110,144,685 90,888,621 support (US\$) support (US\$) Total distance covered 23.699.840 23.699.840 Total distance covered (km) (km) CO2e from trucking 81,171 CO2e from trucking 81.171 (tCO2) (tC02) Cost of haulage (US\$) 663,593,588 Cost of haulage (US\$) 663,593,588 Material recovered for Material recovered for 23.699.771 reconstruction (tonnes) reconstruction (tonnes) Material recovered for Material recovered for 50 reconstruction (%) reconstruction (%) Cost of processing of Cost of processing of 165.898.397 debris (US\$) debris (US\$) Value of recovered Value of recovered 355,496,565 material in market (US\$) material in market (US\$) Total cost of natural raw Total cost of natural raw 639,893,817 materials substituted materials substituted (US\$) (US\$) Material disposed 47,399,542 t Material disposed 23,699,771 t (100%)(50%)Total space required for Total space required for 592/5,920 296 / 2,962 disposal (ha/donum) disposal (ha/donum) Value of land taken by Value of land taken by 5,924,943 2.962.471

disposal (US\$/5 years)

disposal (US\$/5 years)