Scenario 2

5

21

21

2,815,500

1.554.000

1,260,500

673,000

1.268

2,207,800

520,000

607,600

1,554,500

2,600,000

962.500

12

1,480,540 t

Scenario 1

5

Ω

5

Ο

2,207,800

2,207,800

673,000

1.268

0

0

0

0

1,480,500

18.5

2,207,800

This initial quantification of earthquake generated debris in selected towns and villages in Northwest Syria is derived from building footprint data provided by UNOPS/ UNDP along with satellite imagery. This data was combined with an above surface height model, derived from the difference between a Digital Terrain Model (SRTM) and a Digital Surface Model (ALOS World 3D), For visualization and modeling purposes, results were aggregated into an hexagonal grid.

Two scenarios have been developed: Scenario 1: 100% of debris is disposed of at disposal facilities.

Scenario 2: 50% of debris is recycled at a centralized recycling facility and remaining 50% is disposed of.

For modelling purposes, disposal and recycling facilities are assumed to be at a 10km distance from source of debris. Cost assumptions are based on local debris management costs provided by UNDP, and results will need to be refined based on local parameters.







Coordinate System: Universal Transverse Mercator 37N



* 70% recycling rate (t) of debris brought for recycling

The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by the United Nations.