Damage assessment in Mango Island, Mu'omu'a district, Ha'apai division, Tonga as of 18 January 2022

This map illustrates effects of the Hunga Tonga-hunga Ha'apai volcanic eruption in Mango Island (Mu'omu'a district, Tonga) and damage assessment as detected from a Kompsat-3 image acquired on 18 January 2022, 14:22 local time. In this island, UNOSAT identified 26 structures as damaged and/or destroyed and 1 structure as potentially damaged. The entire island appears to be covered with ashes. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

**Legend**

- Red square: Damaged / Destroyed structure
- Green square: Potentially damaged structure

**Spatial Reference**

- Name: WGS 1984 UTM Zone 1S
- PCS: WGS 1984 UTM Zone 1S
- GCS: WGS 1984
- Datum: WGS 1984

**Analysis**

- United Nations Satellite Centre (UNOSAT)

**Production**

- United Nations Satellite Centre (UNOSAT)

**Satellite Data (Pre-event)**

- WorldView-2 / 21 Nov. 2021
  - Resolution: 50 cm
  - Source: HDDS / USGS

- Kanopus-V / 18 Jan. 2022, 23:12 UTC
  - Resolution: 2.2 m
  - Copyright: © NTs OMZ, All Rights Reserved, ROSCOSMOS 2022
  - Source: ROSCOSMOS

- Kompsat-3 / 18 Jan. 2022, 14:22 UTC
  - Resolution: 70 cm
  - Copyright: © KARI (2022)
  - Source: KARI/KOMPSAT3

**Background**

- ESRI World Imagery
- Boundary data: OCHA
- Road data: OpenStreetMap
- Populated place: OpenStreetMap
- Building footprint: OpenStreetMap

**Maps**

- Map Scale for A3: 1:6,000

**Contact**

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