Damage Assessment in Tavea Island, Bua province, Northern division of Fiji as of 30 December 2020

This map illustrates potentially damaged structures and buildings in Tavea Island, Bua province, Northern division of Fiji as detected by satellite images acquired after landfall of the Tropical Cyclone YASA. UNITAR-UNOSAT analysis used a WorldView-2 image acquired on 30 December 2020 as a post-event image. Within the island extent, UNITAR-UNOSAT identified 13 damaged structures and 10 potentially damaged structures. Taking into account the pre-building footprints provided by OpenStreetMap, this represents about 40% of the total number of structures.

This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

Legend
- Damaged
- Potentially Damaged

Analysis conducted with ArcGIS v10.7
Coordinates System: WGS 1984 UTM Zone 60S
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter

Satellite Data: WorldView-2
Imagery Date (Post) : 30 Dec 2020
Imagery Date (Pre) : 13 Dec 2020
Resolution : 50 cm
Copyright : 2020 Digital Globe
Source : USGS-HDDS

Administrative boundaries: Fiji Islands Bureau of Statistics
Background: Bing
Analysis: UNITAR - UNOSAT
Production: UNITAR - UNOSAT

The depiction and use of boundaries, geographic names and related data shown here are not warranted to be error-free nor do they imply official endorsement or acceptance by the United Nations. UNOSAT is a program of the United Nations Institute for Training and Research (UNITAR), providing satellite imagery and related geographic information, research and analysis to UN humanitarian & development agencies & their implementing partners. This work by UNITAR-UNOSAT is licensed under a CC BY-NC 3.0.