### Buildings Damage Assessment & Related Density in Kadavu Province, Eastern Division, Republic of Fiji

This map illustrates potentially damaged structures, buildings and their related density in Kadavu Province, Eastern Division, Republic of Fiji as detected by satellite images acquired on 12 April 2020. Within the Kadavu Province, UNITAR-UNOSAT identified in the cloud free zones 1,003 potentially damaged structures. Taking into account the pre-building footprints provided by OpenStreetMap, this represents about 22% of the total number of structures within the analyzed cloud free areas.

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

<table>
<thead>
<tr>
<th>Province</th>
<th>District</th>
<th>Total population</th>
<th>Total Structures</th>
<th>Number of Damaged Structures</th>
<th>Percentage of Damaged Structure (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kadavu</td>
<td>Nabukelevu</td>
<td>2,194</td>
<td>1,257</td>
<td>222</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Naceva</td>
<td>1,630</td>
<td>720</td>
<td>137</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Nakasaleka</td>
<td>2,034</td>
<td>630</td>
<td>215</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>Tavuki</td>
<td>3,886</td>
<td>1,924</td>
<td>429</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>9,744</td>
<td>4,531</td>
<td>1,003</td>
<td>22</td>
</tr>
</tbody>
</table>

**Legend**
- Town/Village
- Damaged Structure
- Road
- District boundary

**Satellite Data:** Pleiades
- Imagery Date: 12 April 2020
- Resolution: 50 cm
- Copyright: CNES (2020), distribution Airbus DS
- Source: Airbus DS

**Administrative boundaries:** OCHA ROP
- Background: ALOS Global Digital Surface Model, JAXA
- Analysis: UNITAR - UNOSAT
- Production: UNITAR - UNOSAT

**Analysis conducted with ArcGIS v10.4.1**
- Coordinate System: WGS 1984 UTM Zone 60S
- Projection: Transverse Mercator
- Datum: WGS 1984

**Map Scale**: 1:200,000

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Tropical Cyclone

**Republic of Fiji**

**Imagery analysis: 12 April 2020 | Published 19 April 2020 | Version 1.0**

**TC20200408Fiji**

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**Tropical Cyclone Nabukelevu**
- 222 damaged buildings [18%]
- Nabukelevu

**Tropical Cyclone Naceva**
- 137 damaged buildings [19%]
- Naceva

**Tropical Cyclone Nakasaleka**
- 215 damaged buildings [34%]
- Nakasaleka

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- Town/Village
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- District boundary

**Damage Density**
- High
- Low

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**Map Scale**: 1:200,000

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