



# NATIONAL DISASTER COUNCIL

NATIONAL DISASTER MANAGEMENT OFFICE

Ministry of Environment, Climate Change, Disaster Management & Meteorology,  
Post Office Box 21, Honiara, Solomon Islands

| Phone: (677) 27936/7, 27063 | Toll-free: 955 | Fax: (677) 24293 / 27060 |

E-mail : [neoc@ndmo.gov.sb](mailto:neoc@ndmo.gov.sb)



## NATIONAL SITUATIONAL REPORT 01

Ref: EQ11/22

**EVENT ID:** EQ11/22  
**EVENT:** Southwest Guadalcanal Earthquake  
**DATE OF ISSUE:** 23 November 2022  
**TIME OF ISSUE:** 06:30hrs  
**APPROVED BY:** N-DOC Chair  
**ISSUED BY:** SI. National Emergency Operations Centre  
**NEXT UPDATE:** **Upon availability of new information**

### A. HIGHLIGHTS

- A shallow earthquake of Magnitude 7.3 at the depth of 10km occurred at Southwest Guadalcanal at 1203hrs on 22 November 2022
- No Tsunami warning was issued, with advices for rips and currents along coastal area closer to the epicentre of the Earthquake
- National Emergency Operations Centre (NEOC) is activated on full-on activation as at 1:00pm and established communications with provincial PEOCs to ascertain the scope and scale of the earthquake impacts
- The NEOC has deployed an initial situation overview to ascertain the scope and scale of the earthquake impact on Southwest Guadalcanal, supported by the Australian Government through the AFP-RAPPP
- National Disaster Operations Committee meeting held to brief all sectors on the current situation.
- A total of 38 aftershocks were recorded as at 1:00am this morning. Magnitude ranges from 3 to 5 rector scale and within the hypocentre of the main shock.

### B. SITUATION OVERVIEW

At 12:03 PM (local time) Tuesday 22<sup>nd</sup> November 2022, a shallow earthquake of 7.3 Magnitude at depth of 10km occurred at Latitude 9.79 Degrees South, and Longitude of 159.62 degrees East of Guadalcanal Island. The epicentre was recorded at approximately 55 Km of Honiara, 100 km of Aola, 107 Km of Manakaraku Marau, 97Km of Tulagi and 165 Km of Auki. A no tsunami threat was issued by the Solomon Islands Meteorological Service at 2pm however tide gauges in Honiara reported increased wave heights of 0.3 meters. Aftershocks

continue to be recorded prompting authorities to caution the public about the potential structural collapse of buildings should the tremors continue.

As at 1:00am total of 38 aftershocks occurred, with magnitude ranging from 3- 5 mb and a depth of 10 km were recorded (see annex 3). This indicates that the aftershocks are slowly decreasing and is expected to ease within days after the main event. Aftershocks are expected to occur within the next 24 hours within the hypocentre of the main shock, that is within South Guadalcanal

## C. REPORTED IMPACTS

According to the Initial Situational Overview (Fly-over) conducted, the following are conclusions were made from the observations at the most exposed location where the earthquake occurred.

- There were no major impacts except for the isolated pockets of landslides observed in South Guadalcanal
- No major significant damages to building are observed
- No significant signs of tsunami inundation observed from the coastal areas
- People seems live normally and continue their normal activities.

Although there were no significant major impacts, it is anticipated that isolated impacts will unfold as impacts continued to be reported by communities. Other impacts reports gather by locations are;

### Honiara City

- 3 people were reported to sustain minor injuries from the current earthquake
- AJ mall experienced some damages to walls and ceilings
- At Hundai Mall, a wall was collapsed and broken tiles were observed along the corridors
- Partial collapse of the ceiling experienced at the Development Bank of Solomon Islands inside the Anthony Saru building.
- A residential building was collapsed at Burns Creek with one male adult sustained minor injuries

### Guadalcanal Province

- Slight increase in sea level was experienced around parts of Guadalcanal including Marau, Lambi and Hulavu.
- Few landslides reported at Poisughu, Mataraku, and Chimba villages of DuiDui ward and Tina River
- 2 Church building and a few houses were reported to be destroyed at Chimba village

### Central Provinces

---

- Abnormal currents and waives were observed but there was no report of damages

### **Malaita Province**

- The earthquake was felt in Southern parts of Malaita but no reports of damage received so far
- There were no reports from Rennell and Bellona, Makira, Western, Isabel, Choiseul, and Temotu Provinces

## **D. UP-TO- DATE: RESPONSES**

### **National Responses and Challenges**

#### **National Emergency Operations Centre (NEOC)**

- NEOC is on full activation and trying to establish communications with the south West Guadalcanal communities
- Communications with the provinces was established to gather information on impacts
- 
- An Initial Situational Overview (Fly-over) was conducted to ascertain the scope and scale of earthquake impacts.
- N-DOC meeting was held at 8pm today to brief the members of the recent information gathered and potential response actions.

#### **RSIPF Police Operations Centre (POC)**

- POC is also on full activation
- The RSIPF personal were deployed to the coastal areas of the Honiara city to ascertain the situation and ensure communities remain calm

#### **Geological Survey Division (GSD)**

- GSD issued preliminary earthquake parameters indicating the South Guadalcanal is the epicentre of this 7.3 magnitude Earthquake
- A total of three(3)earthquake technical reports were issued

#### **Solomon Islands Meteorological Services**

- SIMS issued a No tsunami threat for the Solomon Island following the 7.3 magnitude earthquake.
  - Activated its call-out to first responding agencies (NEOC/RSIPF/NRH) and informed them of the situational update following the earthquake
-

- The SIMS go on air with the SIBC and provide situation update regarding the event to the general public highlighting the precautionary measure that people should take following the major earthquake

#### **NDOC Health and National Referral Hospital (NRH)**

- Activated on standby the NRH evacuation plan in case a further shakes that may pose threat to the Patient and guidance may occur

## **Provincial Responses and Challenges**

### **Guadalcanal Province**

- GP PEOC is also on full activation and is establishing links with the communities of South West Guadalcanal
- GP Police has activated the GP forward command post and trying to establish communities near the epicentre of the earthquake

### **Honiara City Council**

- Honiara City Council (HCC) Provincial Disaster Committee (PDC) chair has been informed and directives for Works Division to liaise with Ministry of Infrastructure and Development (MID) for assessment of buildings is pending on request by business houses or the public (for building safety purposes and use).

## **E. RECOMMENDATIONS**

- The NEOC is stood-down to a standby activation and will support Provincial level response through their Provincial Emergency Operations Centres (PEOC)
  - Guadalcanal PEOC will maintain its full-on activation. The PDC/PDOC sectors of Guadalcanal Province will lead further response support by NDOC Sector Committees and the NEOC
  - Guadalcanal Province to deploy teams to conduct an initial damage assessment (IDA) in hotspot area in Southwest Guadalcanal
  - NEOC to support GSD on public awareness on after-Shocks
  - N-DOC health sector to establish communication with area health Clinics and centres to ascertain conditions of the buildings
  - N-DOC Education need to ensure that schools around the epicentre are safe for students to continue their exams
-

## F. NEXT UPDATE

Please call 955 if you require further information and or you need to report damages pertaining the recent earthquake.

Next update will be issued upon availability of new information.

APPROVED FOR DISSEMINATION BY

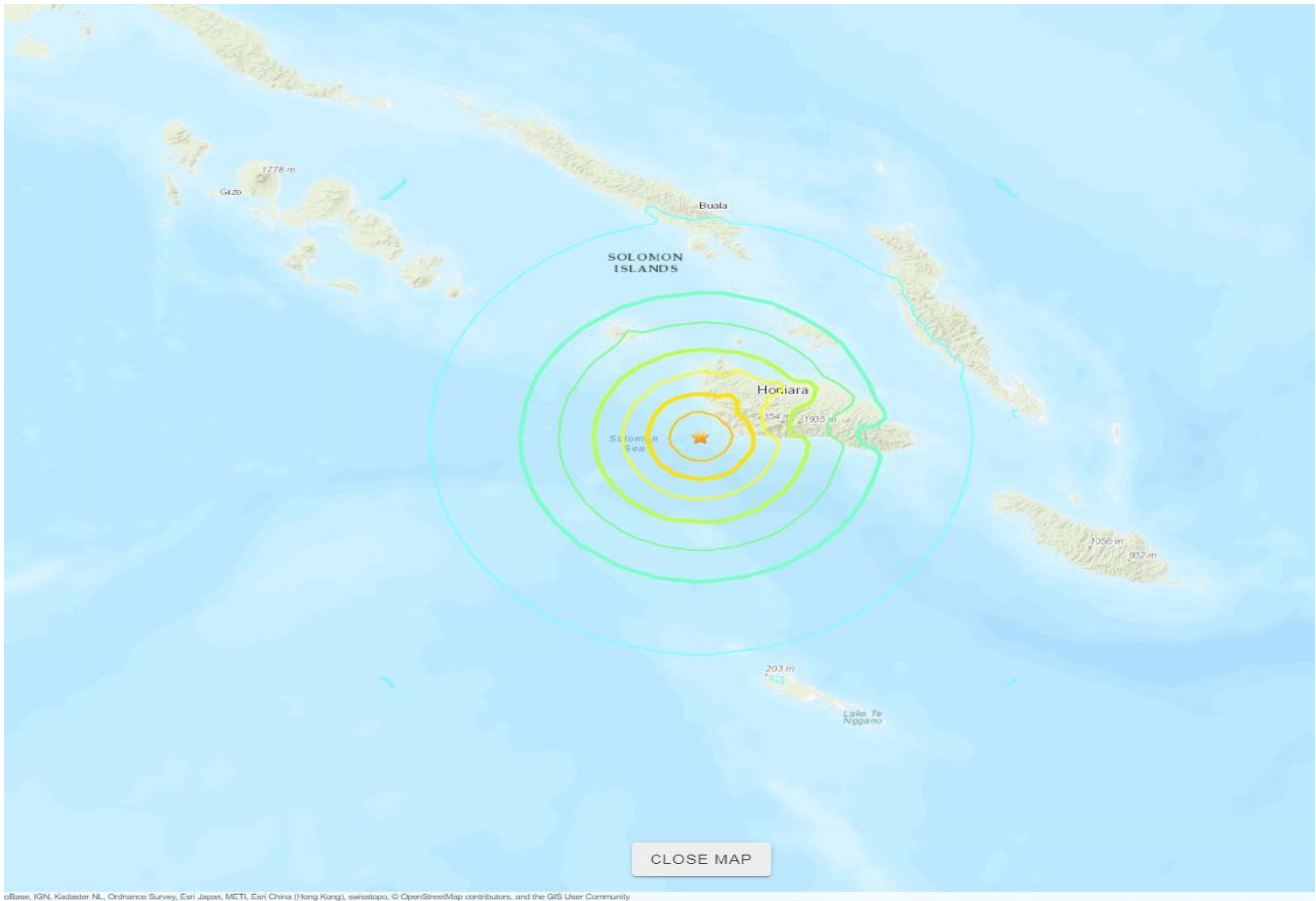
---

Melchior Mataki

PS MECDM/NDC CHAIR

---

ANNEX 1. Earthquake Shakemap of the Main Event



©Basel, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, © OpenStreetMap contributors, and the GIS User Community

Figure 1: Shake Map showing the location of the earthquake and the expected exposed area based on shake intensity. *Source: USGS*

## ANNEX 2. Initial Situation Overview Coverage

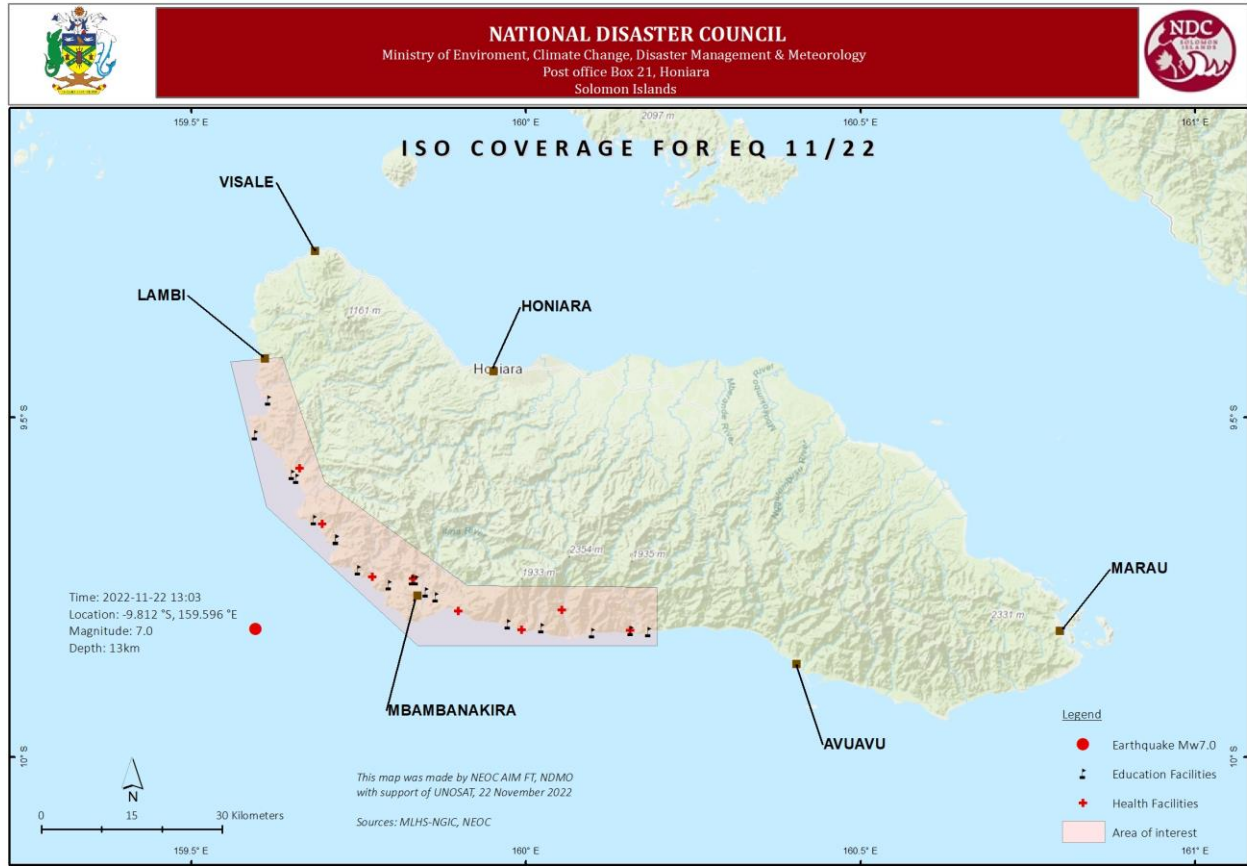


Figure 2: Map showing the area of interest for the ISO. These are derived from the earthquake shakemaps that are exposed to ground intensity. *Source: NEOC AIM FT*

### Annex 3: Distributions of aftershocks at hypocentre of the main shock

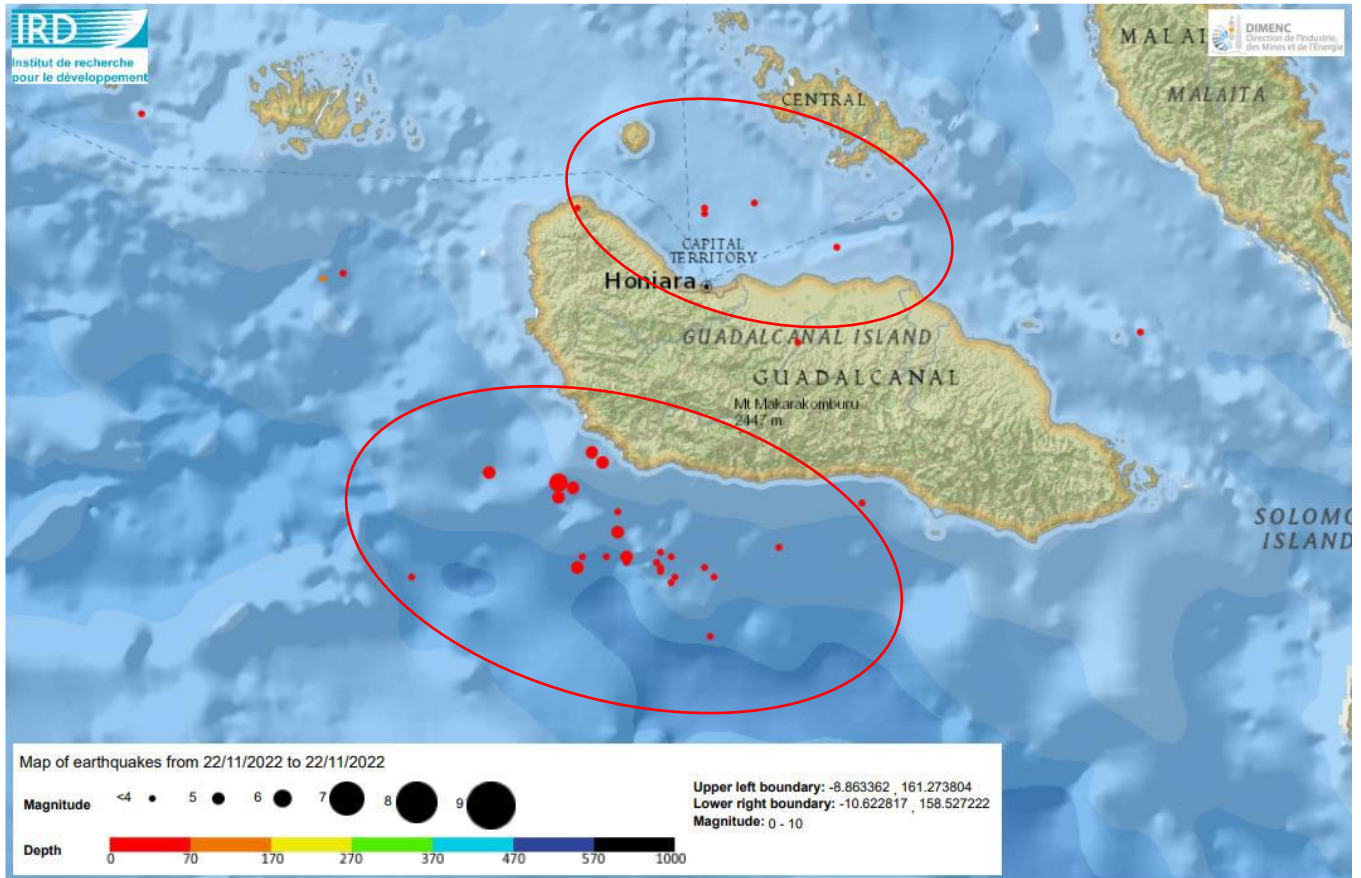


Figure 3: Map showing the distribution of aftershock within the area of the main shock as at 1:00am this morning. *Source: Geological survey division*