

FIJI TSUNAMI READY PROGRAMME

UNESCO TSUNAMI READY RECOGNITION PROGRAM WORKSHOP

08/02 – 09/02/2023



MINERAL RESOURCES DEPARTMENT



OUTLINE



- ▶ **FIJI TSUNAMI READY PROGRAM**
- ▶ **TRP ELEMENTS AND INDICATORS**
- ▶ **KEY COMPONENTS**
- ▶ **WHY FIJI??**
- ▶ **WHY TSUNAMI READY?**

FIJI TSUNAMI READY PROGRAM - MRD



- ▶ MONITORING AND SEISMIC DATA ANALYSIS
- ▶ TECHNICAL ADVICE
- ▶ INFORMATION DISSEMINATION
- ▶ COMMUNITY AWARENESS

MINERAL RESOURCES DEPARTMENT
SEISMOLOGY UNIT

EARTHQUAKE INFORMATION RELEASE NO. 008/21

An earthquake occurred this morning at 10:47:47 AM local time, 27 km SE from Tuvuca, Vamabalavu. (USGS/CISN/IRD)

Tabulated Results

Description	Localization
<ul style="list-style-type: none">• Date: 07/01/2021• Time: 10:47:47 AM• Magnitude: 5.1 mb• Depth: 543 km	<ul style="list-style-type: none">• 27 km SE from Tuvuca, Vamabalavu• Latitude: 17.89 °S• Longitude: 178.68 °W• Off-shore Earthquake• "No Tsunami threat"

REFERENCE

- 27 km SE from Tuvuca, Vamabalavu.
- 41 km NE from Laka village, Nayau.
- 306 km ENE from Suva, Fiji.

Evaluation

A moderate earthquake with deep depth source location occurred 27 km SE from Tuvuca, Vamabalavu. However, it does not pose any immediate tsunami threat to the region.

This serves as notification only and will keep monitoring for any further updates. For further information and queries you are advised to contact the Seismology Unit of the Mineral Resources Department on landline 3381611, mobile 9906165 or fax 3370039/3383910.

S. Tando
For Acting Director Mineral Development
Seismology Unit,
Mineral Resources Department
07/01/2021

UNESCO TRR ELEMENTS AND INDICATOR



▶ 3 ELEMENTS

ASSESSMENT, PREPAREDNESS & RESPONSE

▶ ASSESSMENT – 3 INDICATORS

▶ PREPAREDNESS – 5 INDICATORS

▶ RESPONSE – 4 INDICATORS

▶ TOTAL OF 12 INDICATORS

KEY COMPONENTS FOR TRP



- ▶ **TSUNAMI EARLY WARNING SYSTEMS**
- ▶ **COLLABORATION AND COORDINATION**
- ▶ **REGULAR DRILLS AND EXERCISE**
- ▶ **COMMUNITY AWARENESS**



WHY FIJI??



▶ GEOGRAPHICAL LOCATION

PACIFIC RING OF FIRE, NEARBY TRENCHES, ACTIVE TECTONIC ZONES (BOUNDARIES)

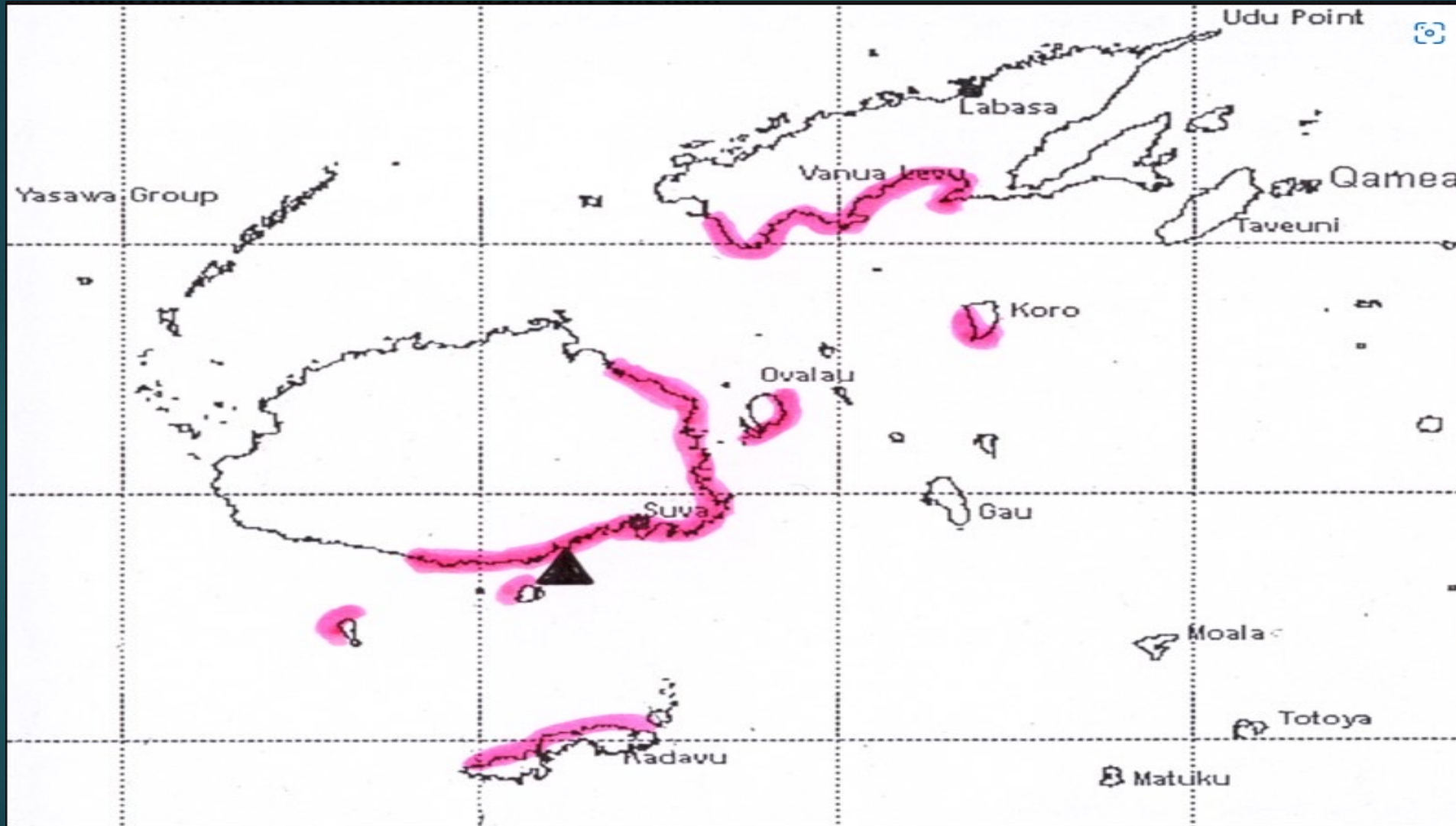
▶ COASTAL COMMUNITIES

URBAN AND RURAL RESIDENTS, TOURIST LOCATIONS AND NATURAL ATTRACTIONS – HOTELS, RESORTS, BEACHES, etc.

▶ INFRASTRUCTURES

CITY AND TOWNS (MAJORITY), PORTS, AIRPORTS, INDUSTRIAL ZONES, ECONOMIC ASSETS etc.

WHY FIJI??



WHY TSUNAMI READY PROGRAM??



1. IMPROVED SAFETY

REDUCES RISK OF LOSS OF LIFE AND INJURY

▶ INCREASED PREPAREDNESS

EMPOWER COMMUNITIES TO BE BETTER PREPARED

▶ RESILIENT

TSUNAMI READY WHICH MINIMIZES THE IMPACT AND SPEEDS UP RECOVERY PROCESS

▶ INCREASED PUBLIC AWARENESS

RAISES AWARENESS OF THE DANGERS AND HOW TO RESPOND WITH APPROPRIATE ACTIONS (SELF-EVACUATION PROTOCOLS)

▶ STRONGER PARTNERSHIPS – WE NEED EACH OTHER

GOVERNMENT, AGENCIES AND COMMUNITIES