



## TSUNAMI READY PHILIPPINES NATIONAL WORKSHOP

# *Communications Example:*



**Philippine Tsunami Information**

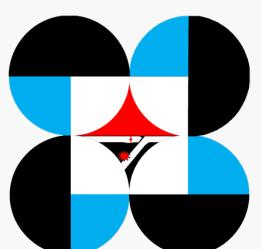


**Shake, Drop, and Roar**



**Challenges and Solutions**

Park Inn by Radisson, North EDSA, Quezon City, Philippines  
11 December 2025



**DOST-PHIVOLCS**

# Objective:

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To provide a clear understanding of how *tsunami information and warnings* are communicated in the Philippines, covering the Philippine Tsunami Information levels, the “Shake, Drop, and Roar” natural warning, and to discuss key communication challenges and solutions that can strengthen tsunami preparedness.

# DOST-PHIVOLCS

## Standard Operating Procedure for the Issuance of Earthquake Information

### RESPONSIBILITIES

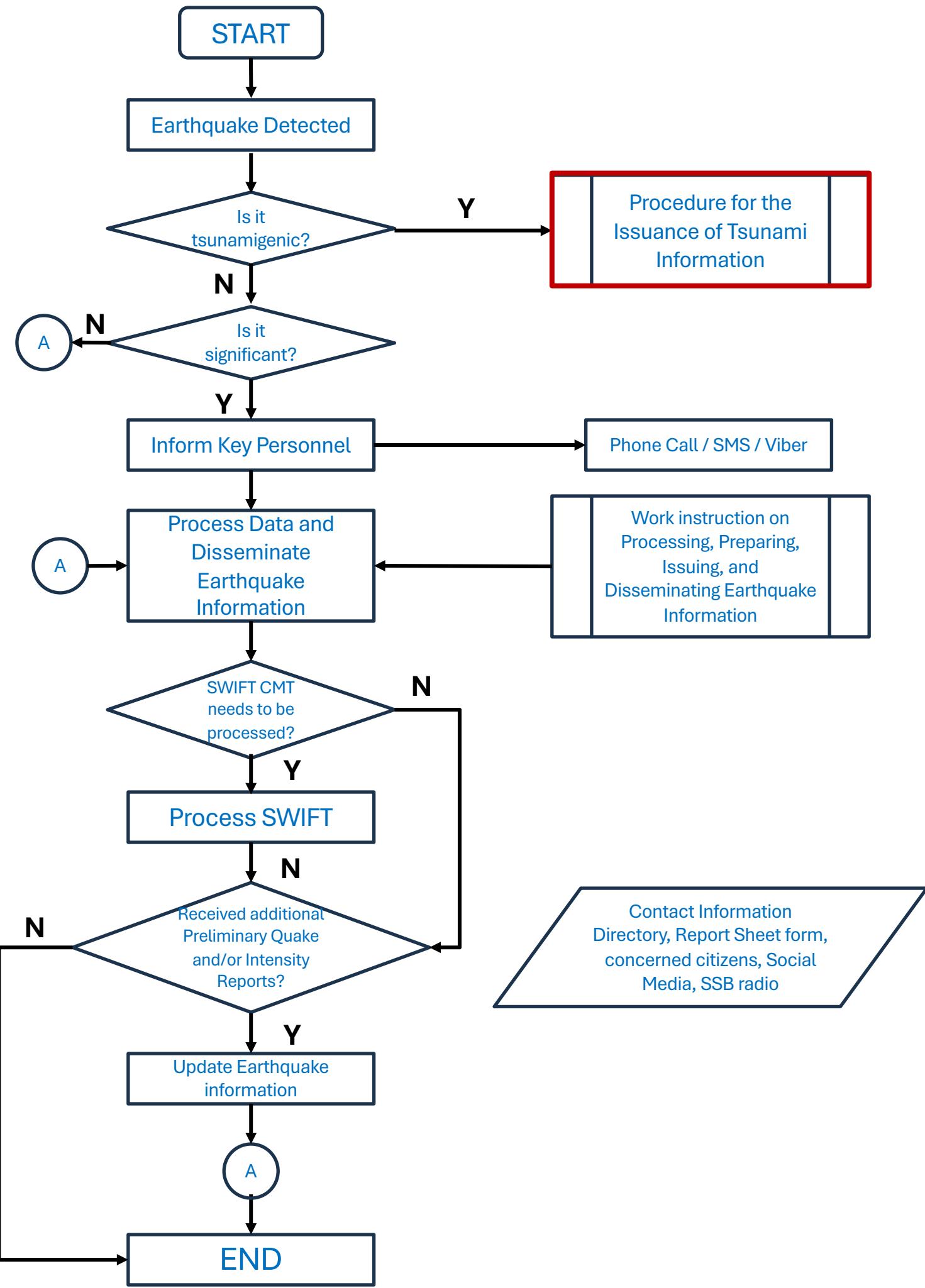
DRC Watchstander

DRC Watchstander

DRC Watchstander

DRC Watchstander

### FLOWCHART



### NOTE/INTERFACES

Procedure for the  
Issuance of Tsunami  
Information

Phone Call / SMS / Viber

Work instruction on  
Processing, Preparing,  
Issuing, and  
Disseminating Earthquake  
Information

Contact Information  
Directory, Report Sheet form,  
concerned citizens, Social  
Media, SSB radio

**DOST-PHIVOLCS**  
**OPERATIONS**  
**MANUAL**

**For Tsunami Monitoring**

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**2025**

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# Tsunami Threat in the Philippines

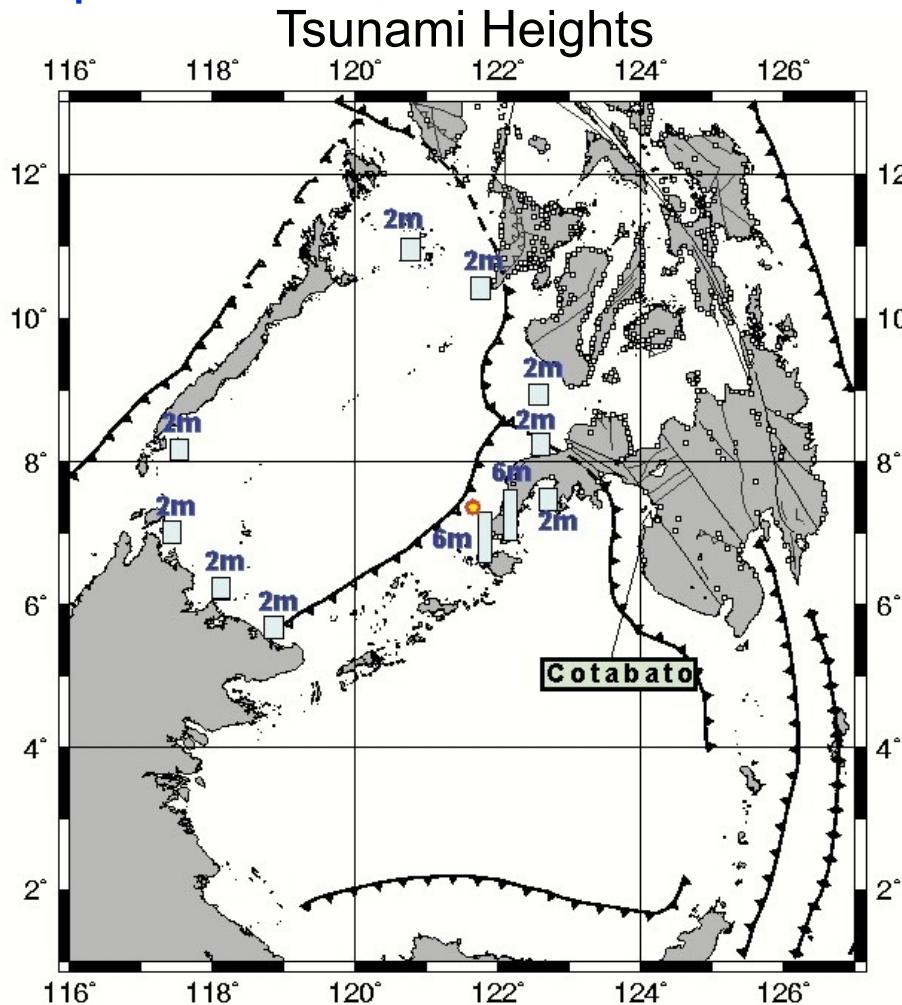
Two types of tsunami generation

1. Local *tsunami*
2. Far field or distant tsunamis



# LOKAL na TSUNAMI

# The September 21, 1897 Tsunami in Sulu Sea



Source: Letter of Fr. Bitrian, September 29, 1897; Letter from the Superintendent of Lapuan, Borneo, ----; Letter from Rev. van den Broecks, ----; Manila Observatory record, ----; Maso, 1909; Maso, 1904, 1909; Repetti, 1946

## Tsunami sa Pilipinas

## LOKAL NA TSUNAMI (LOCALLY-GENERATED TSUNAMIS)



Magmumula sa mga karagatan sa paligid ng Pilipinas. Ang unang tsunami ay **makararating sa pinakamalapit na baybayin mula sa episentro ng lindol sa loob ng 2 hanggang 5 minuto matapos ang lindol.**



Walang sapat na panahon para sa babala. Agad na **LUMIKAS** patungo sa mataas na lugar o papalayo sa dagat!

*Makilahok sa*  
**WORLD TSUNAMI AWARENESS DAY**  
*tuwing* IKA-5 NG NOBYEMBRE



## Local Tsunami:

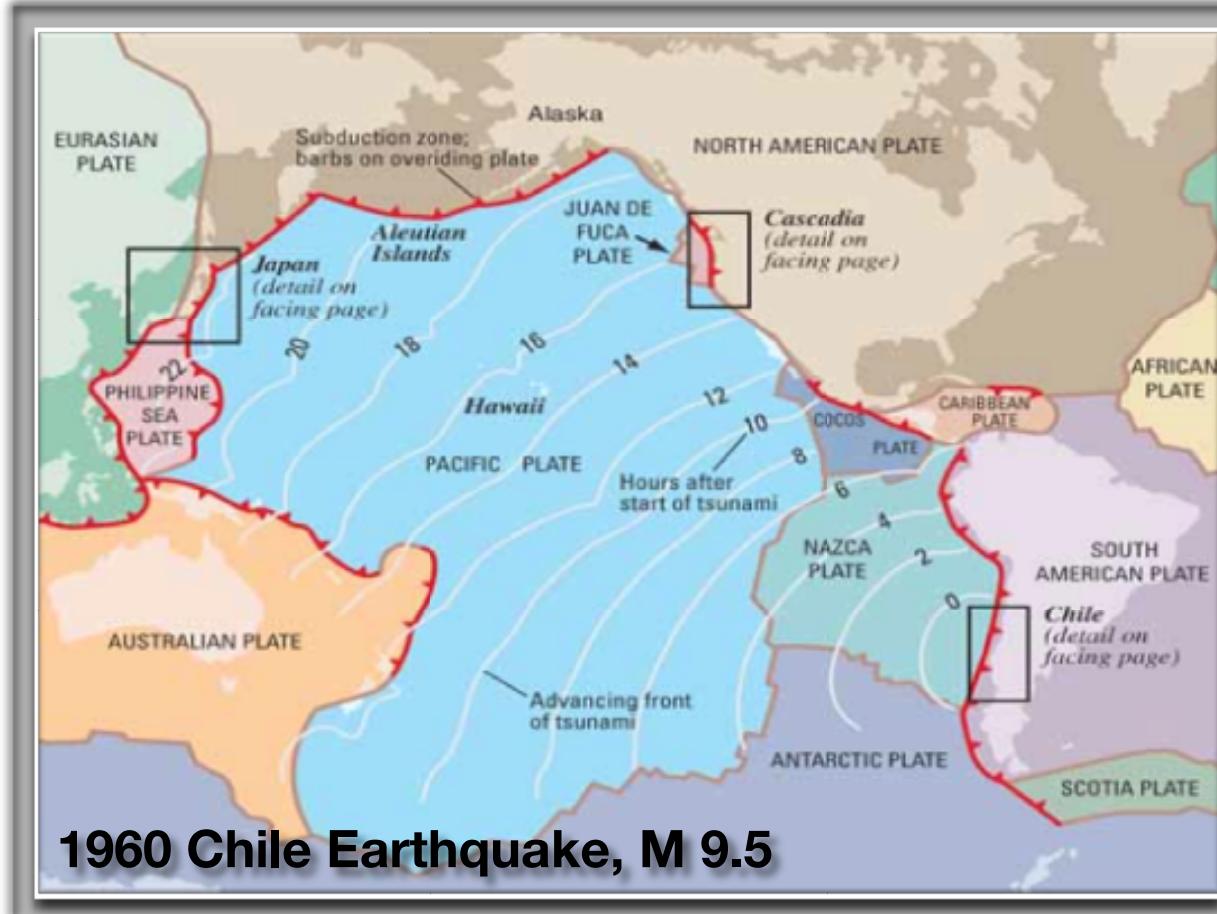
- Earthquake source located within 200 km
- Travel time to Philippine shores: **less than 1 hour**

**Criteria Table Based on Preliminary Magnitude and Depth**

Parameters	Templates
$M < 6.5$ $6.5 \leq M < 7.0$ $D > 50 \text{ km}$ $7.0 \leq M < 7.5$ $D > 60 \text{ km}$	No Tsunami Threat
$6.5 \leq M < 7.0$ $D \leq 50 \text{ km}$ $7.0 \leq M < 7.5$ $30 \text{ km} < D \leq 60 \text{ km}$ $7.5 \leq M < 8.0$ $D > 70 \text{ km}$	Minor Sea–Level Disturbance
$7.0 \leq M < 7.5$ $D \leq 30 \text{ km}$ $7.5 \leq M < 8.0$ $D \leq 70 \text{ km}$ $M \geq 8.0$ $D \geq 100 \text{ km}$	Tsunami Warning

## Alam mo ba?

### Tsunami sa Pilipinas



### MGA TSUNAMI NA MALAYO ANG PINAGMULAN (FAR-FIELD TSUNAMIS)



**Manggagaling sa mga bansang nakapalibot sa *Pacific Ocean*** gaya ng bansang Chile, Alaska sa USA at Japan.

Ang tsunami ay maaaring makarating sa baybayin ng Pilipinas mula 1 hanggang 24 oras.



**May sapat na panahon para makapagbigay ng babala** ang Pacific Tsunami Warning Center (PTWC), Northwest Pacific Tsunami Advisory Center (NWPTAC) at DOST-PHIVOLCS.

*Makilahok sa*  
**WORLD TSUNAMI AWARENESS DAY**  
*tuwing IKA-5 NG NOBYEMBRE*



DOST-PHIVOLCS



[www.phivolcs.dost.gov.ph](http://www.phivolcs.dost.gov.ph)

/PHIVOLCS

@phivolcs\_dost

# Regional Tsunami:

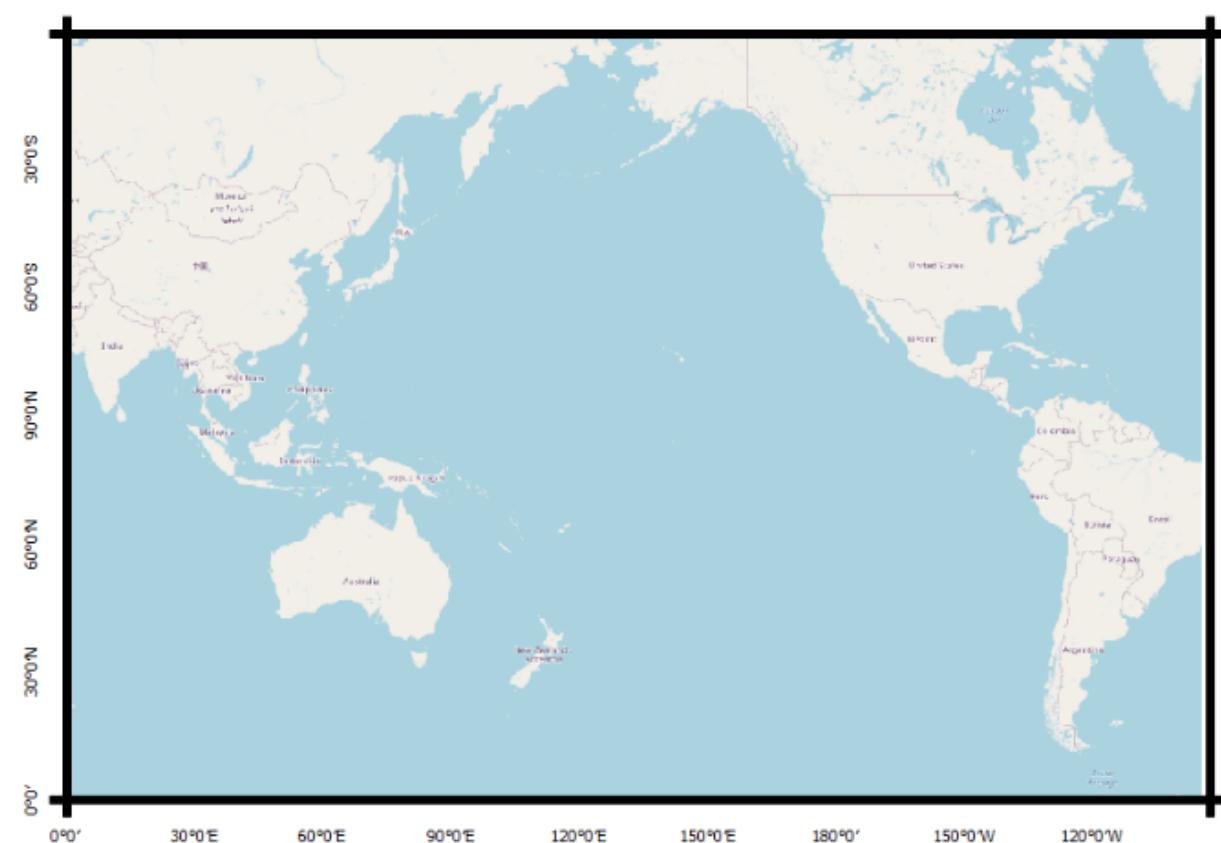
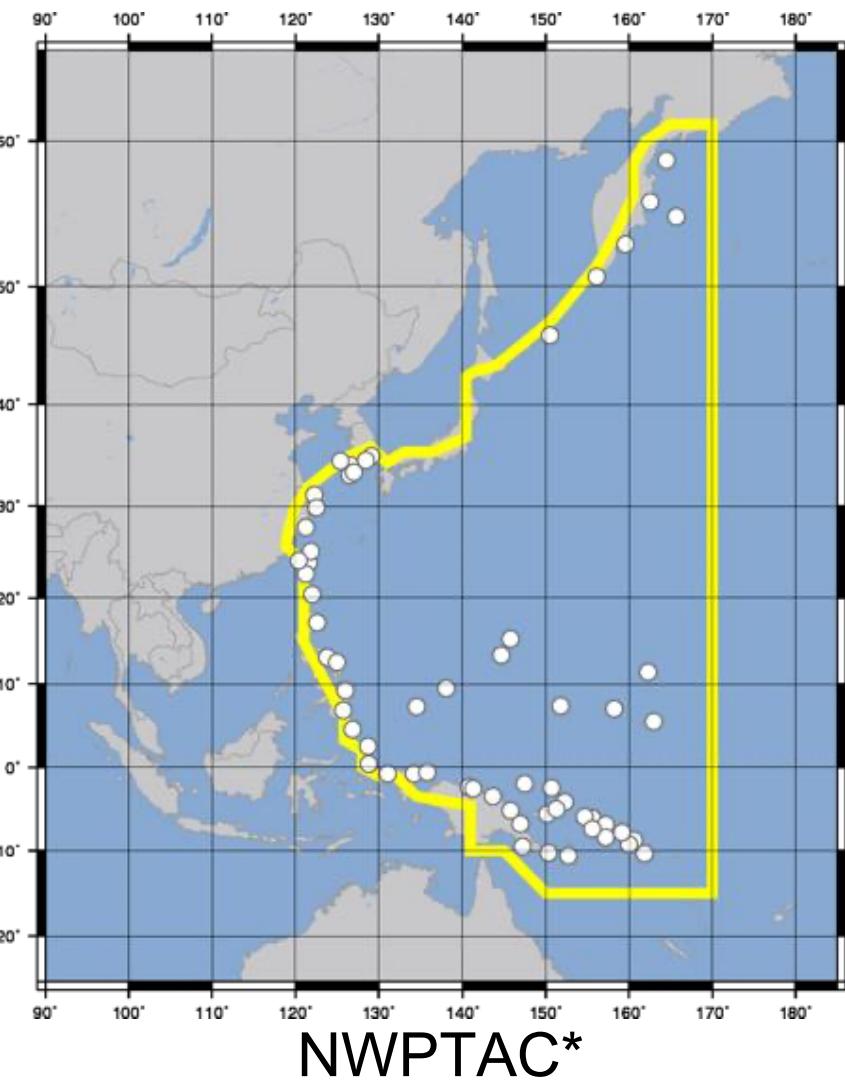
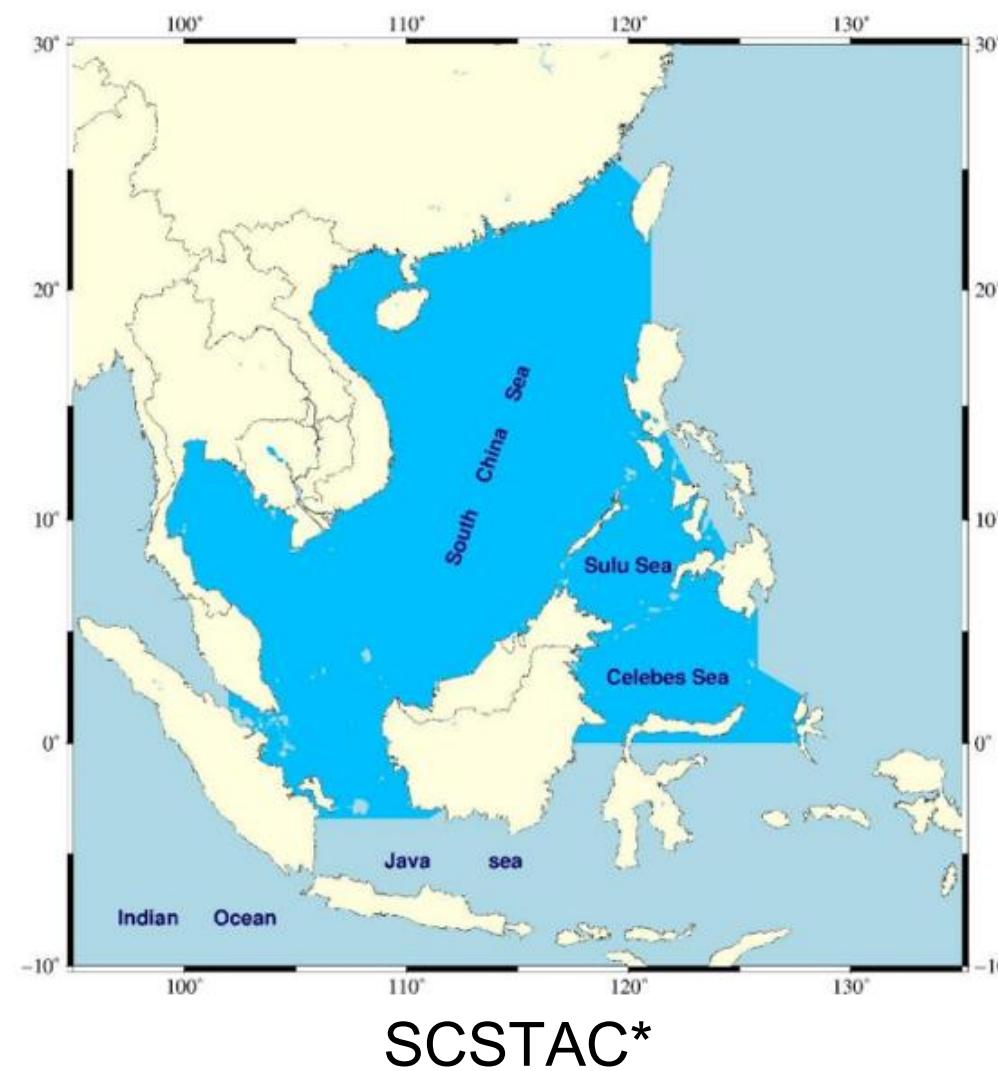
- Source located 200–1000 km from the Philippines
- Tsunami travel time: 1 to 3 hours
- Common source regions: Mariana Islands, Southern Japan, Indonesia, Taiwan

Source Class	Location	M: Magnitude	D: Depth	Templates
		Parameters		
Regional	Mariana Islands	$6.5 \leq M < 7.0$ $D \geq 100 \text{ km}$		No Tsunami Threat
	Southern Japan	$7.0 \leq M < 7.5$ $D \leq 100 \text{ km}$		Sea Level Change Monitoring
	Indonesia	$M \geq 7.5$ $D \leq 100 \text{ km}$ <i>With confirmed tsunami wave heights &lt; 1 m</i>		Minor Sea Level Disturbance
	Taiwan	$M \geq 7.5$ $D \leq 100 \text{ km}$ <i>With confirmed tsunami wave heights <math>\geq 1 \text{ m}</math></i>		Tsunami Warning

## Teleseismic Tsunami:

- Source more than 1,000 km away
- Tsunami travel time: more than 3 hours

Source Class	Location	M: Magnitude	D: Depth
		Parameters	Templates
		$6.5 \leq M < 8.0$ $D \leq 100 \text{ km}$	<b>No Tsunami Threat</b>
		$M \geq 8.0$ $D \leq 100 \text{ km}$ No confirmed tsunami	<b>Sea Level Change Monitoring</b>
Teleseismic	See page 53	$M \geq 8.0$ $D \leq 100 \text{ km}$ With confirmed tsunami wave heights $< 1 \text{ m}$	<b>Minor Sea Level Disturbance</b>
		$M \geq 8.0$ $D \leq 100 \text{ km}$ With confirmed tsunami wave heights $\geq 1 \text{ m}$	<b>Tsunami Warning</b>



As a member state of the Intergovernmental Coordination Group for the Pacific Tsunami Warning and Mitigation System (ICG/PTWS),

PHIVOLCS receives tsunami information from International Tsunami Warning Centers (ITWCs)

**SCSTAC** – South China Sea Tsunami Advisory Center

**NWPTAC** – Northwest Pacific Tsunami Advisory Center

**PTWC** – Pacific Tsunami Warning Center

# 1. **TEXT PRODUCT** – gives the details about the earthquake parameters, forecast points, tsunami wave heights and the list of countries that may be affected.

WESS31 BABJ 301406

TSUNAMI BULLETIN NUMBER 1  
ISSUED BY SOUTH CHINA SEA TSUNAMI ADVISORY CENTER (**SCSTAC**)  
ISSUED 1405 UTC Sep 30 2025

...TSUNAMI INFORMATION...

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

THIS STATEMENT IS ISSUED FOR INFORMATION ONLY IN SUPPORT OF THE UNESCO/IOC SOUTH CHINA SEA SUB-REGIONAL TSUNAMI WARNING AND MITIGATION SYSTEM. NATIONAL AUTHORITIES WILL BE RESPONSIBLE FOR DETERMINATION OF THE APPROPRIATE LEVEL OF ALERT FOR EACH COUNTRY. THE PUBLIC SHOULD FOLLOW THE GUIDANCE OF NATIONAL AUTHORITIES.

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

[PRELIMINARY EARTHQUAKE PARAMETERS]

\*MAGNITUDE 6.9  
\*ORIGIN TIME 1359 UTC Sep 30 2025  
\*COORDINATES 11.07 N,124.08 E  
\*DEPTH 20 KM  
\*LOCATION LEYTE, PHILIPPINES

[EVALUATION]

THERE IS NO TSUNAMI THREAT FROM THIS EARTHQUAKE BASED ON HISTORICAL EARTHQUAKE AND TSUNAMI DATA. HOWEVER, NON-DESTRUCTIVE SEA LEVEL FLUCTUATIONS MAY BE GENERATED ALONG COASTS NEAR THE EPICENTER.

[RECOMMENDED ACTIONS]

PERSONS ALONG COASTAL AREAS NEAR THE EPICENTER SHOULD BE AWARE OF POSSIBILITY OF MINOR TSUNAMI WAVES AND UNUSUAL CURRENT. NO OTHER ACTION IS REQUIRED.

[UPDATES]

THIS WILL BE THE ONLY BULLETIN REGARDING THIS EVENT UNLESS MAJOR REVISION ON

TSUNAMI BULLETIN NUMBER 002

ISSUED BY NWPTAC(JMA)  
ISSUED AT 1533Z 08 DEC 2025

HYPOCENTRAL PARAMETERS

ORIGIN TIME:1415Z 08 DEC 2025  
PRELIMINARY EPICENTER:LAT41.0NORTH LON142.3EAST  
HOKKAIDO, JAPAN REGION  
JAPAN - KURIL ISLANDS - KAMCHATKA PENINSULA  
MAG:7.6 (MJMA)

EVALUATION

THERE IS A POSSIBILITY OF A DESTRUCTIVE REGIONAL TSUNAMI

ESTIMATION AT FORECAST POINTS - NO TSUNAMI WAVES WITH AN AMPLITUDE OF 0.3 METERS OR MORE ARE EXPECTED AT ANY FORECAST POINT.

HOWEVER, IN SOME COASTAL AREAS (PARTICULARLY NEAR THE EPICENTER), HIGHER TSUNAMI WAVES THAN ESTIMATED MAY ARRIVE.  
AUTHORITIES SHOULD BE AWARE OF THIS POSSIBILITY.

MEASUREMENTS OR REPORTS OF TSUNAMI

LOCATION COORDINATES ARRIVAL TIME AMPL  
OFUNATO 39.0N 141.8E  
MAXIMUM TSUNAMI WAVE 1507Z 08 DEC 0.2M

MAXIMUM TSUNAMI WAVE - HALF THE AMPLITUDE FROM THE TROUGH TO THE CREST

THIS WILL BE THE FINAL BULLETIN UNLESS CHANGES IN THE POTENTIAL FOR TSUNAMI GENERATION ARE DEEMED POSSIBLE BASED ON EARTHQUAKE RE-EVALUATION OR REPORTS INDICATING TSUNAMI OBSERVATION ARE RECEIVED.

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

THIS MESSAGE IS ISSUED FOR INFORMATION ONLY IN SUPPORT OF THE UNESCO/IOC PACIFIC TSUNAMI WARNING AND MITIGATION SYSTEM AND IS MEANT FOR NATIONAL AUTHORITIES IN EACH COUNTRY OF THAT SYSTEM.

NATIONAL AUTHORITIES WILL DETERMINE THE APPROPRIATE LEVEL OF ALERT FOR EACH COUNTRY AND MAY ISSUE ADDITIONAL OR MORE REFINED INFORMATION.

\*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\* NOTICE \*\*\*\*

THE TSUNAMI FORECAST IS UPDATED IN THIS MESSAGE.

PRELIMINARY EARTHQUAKE PARAMETERS

\* MAGNITUDE 7.6  
\* ORIGIN TIME 1415 UTC DEC 8 2025  
\* COORDINATES 41.0 NORTH 142.3 EAST  
\* DEPTH 51 KM / 32 MILES  
\* LOCATION HOKKAIDO JAPAN REGION

EVALUATION

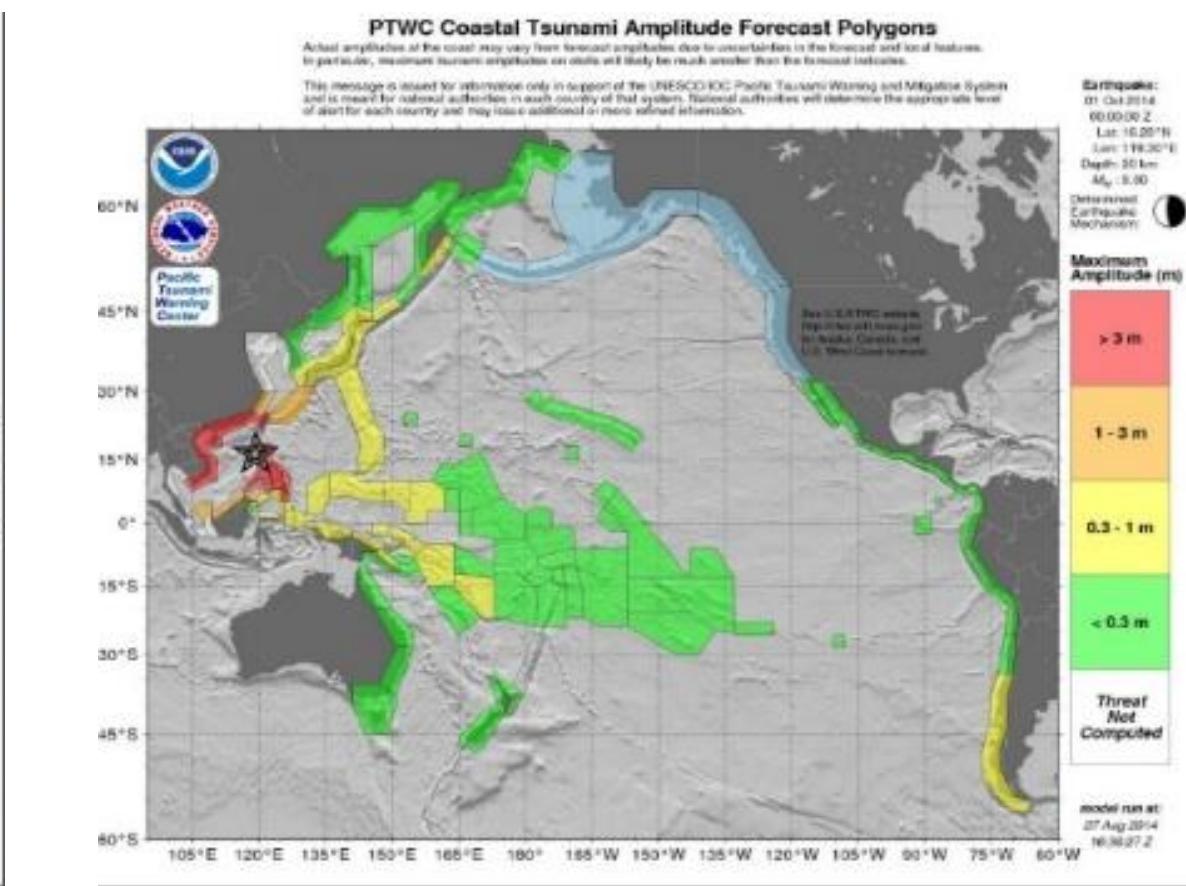
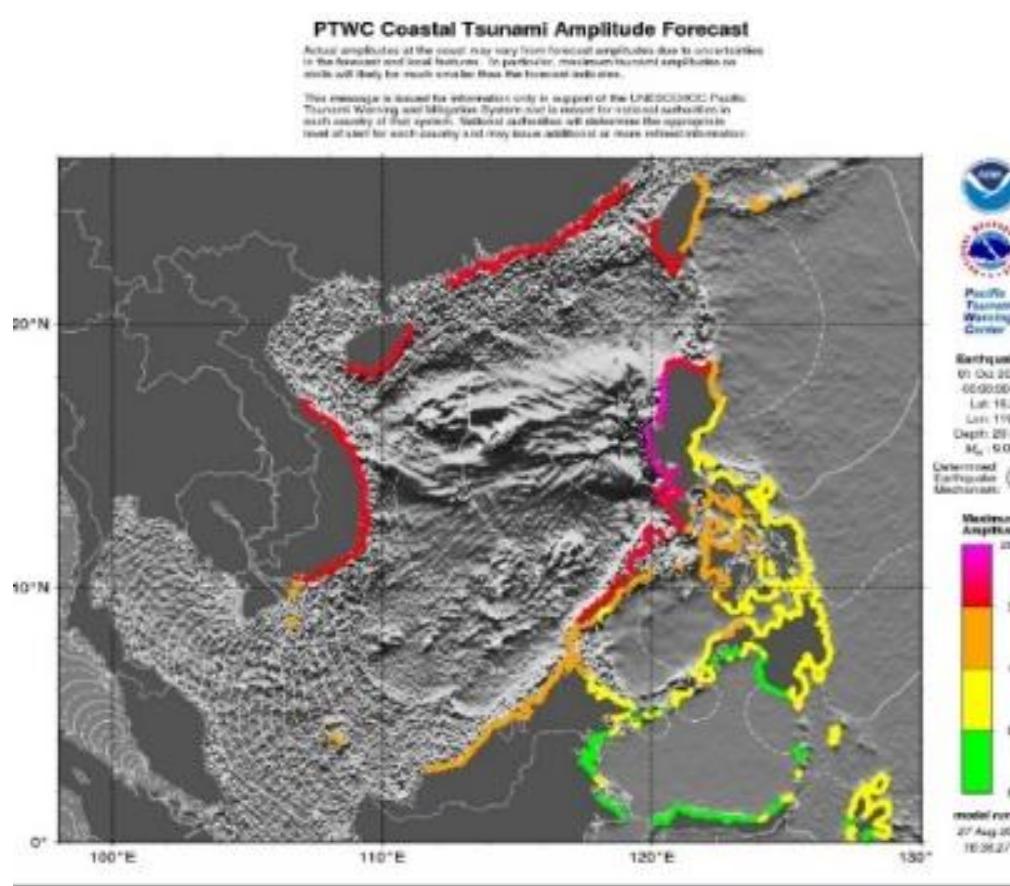
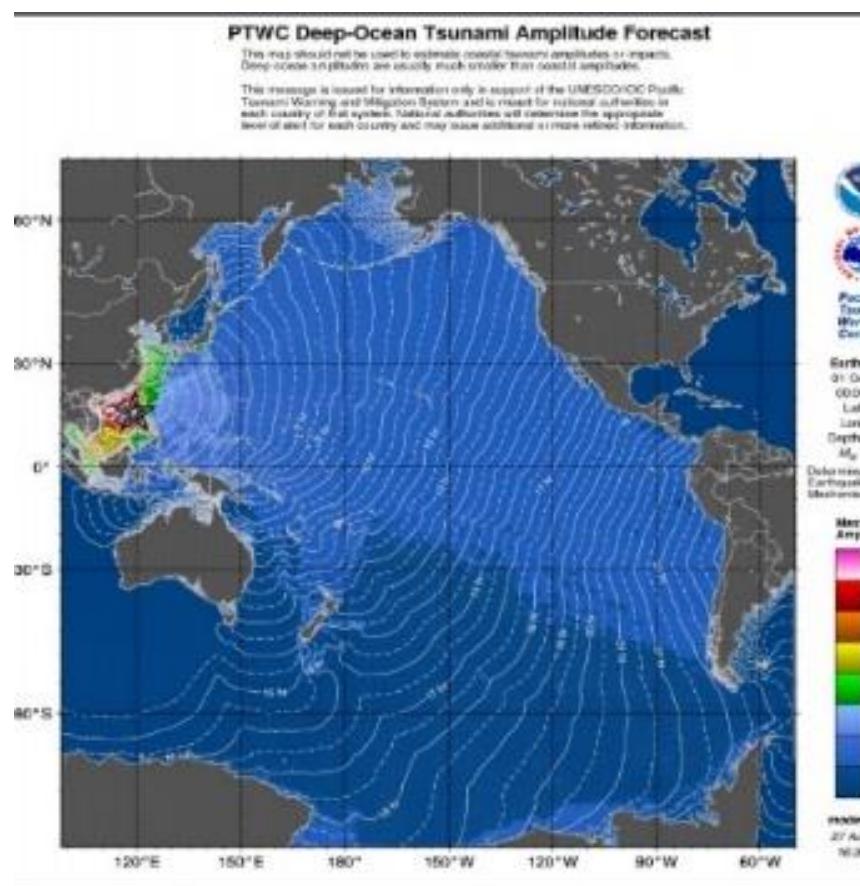
\* AN EARTHQUAKE WITH A PRELIMINARY MAGNITUDE OF 7.6 OCCURRED IN THE HOKKAIDO, JAPAN REGION AT 1415 UTC ON MONDAY DECEMBER 8 2025.

South China Sea Tsunami  
Advisory Center  
(SCSTAC)

Northwest Pacific Tsunami  
Advisory Center  
(NWPTAC)

Pacific Tsunami Warning Center  
(PTWC)

## 2. **GRAPHICAL PRODUCT** – tsunami propagation, energy release, maximum amplitudes that may be useful in decision making These products will be received after the text products in the event of a Tsunami Warning.



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# PHILIPPINE TSUNAMI INFORMATION

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## PHILIPPINE TSUNAMI INFORMATION

Tsunami Information	Threat to the Philippines	Recommended Action for Affected Places
No Tsunami Threat	<p>A Large earthquake is generated but either:</p> <p>(1) there is no tsunami generated by this event or</p> <p>(2) a tsunami was generated but will not reach the Philippines</p>	<p><b>No evacuation needed.</b></p> <p>The advisory is issued for information purposes only.</p>
Sea Level Change Monitoring	<p><b>PHIVOLCS will monitor sea level changes and provide updates</b></p>	<p><b>No evacuation order is in effect.</b></p> <p>Public is advised to wait and listen for updates.</p>
Minor Sea Level Disturbance	<p><b>Minor sea level disturbance is expected</b> in some coastal areas with wave heights of less than one (1) meter above the expected ocean tides.</p>	<p>People are advised to <b>stay away from the beach and not to go to the coast</b>.</p> <p>People whose houses are located very near the shoreline are advised to <b>move farther inland</b>.</p> <p>Owners of boats in harbors, estuaries or shallow coastal waters of the affected provinces should secure their boats and move away from the waterfront.</p> <p>Boats already at sea are advised to stay offshore in deep waters until further notified.</p>
Tsunami Warning	<p><b>Destructive tsunami was generated with life threatening wave heights.</b></p> <p>(A destructive tsunami is expected to arrive in the Philippines with wave heights greater than one (1) meter above the expected ocean tides.)</p>	<p><b>Immediate evacuations</b> of coastal communities that may be affected are strongly advised.</p> <p>Owners of boats in harbors, estuaries or shallow coastal waters of the affected provinces should secure their boats and move away from the waterfront.</p> <p>Boats already at sea are advised to stay offshore in deep waters until further notified.</p>

## PHILIPPINE TSUNAMI INFORMATION

Tsunami Information	Threat to the Philippines	Recommended Action for Affected Places
No Tsunami Threat	<p>A Large earthquake is generated but either:</p> <p>(1) there is no tsunami generated by this event or</p> <p>(2) a tsunami was generated but will not reach the Philippines</p>	<p><b>No evacuation needed.</b></p> <p>The advisory is issued for information purposes only.</p>



## PHIVOLCS TSUNAMI INFORMATION



### TSUNAMI INFORMATION NO. 1 NO TSUNAMI THREAT

No tsunami threat to the Philippines from this earthquake.

#### PRELIMINARY EARTHQUAKE PARAMETERS

Date and Time : 08 Dec 2025 - 10:15:00 PM  
Location : 41.0°N, 142.3°E - Hokkaido Japan Region  
Depth (km) : 051  
Magnitude : 7.6

#### EVALUATION

Hazardous tsunami waves are possible for coasts located within 1000 km of the earthquake epicenter.

This is for information purposes only and there is no tsunami threat to the Philippines from this earthquake.

#### RECOMMENDED ACTION

No action required.

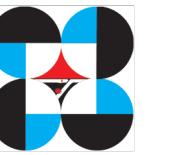
Issued on: 08 Dec 2025 - 10:31:18 PM

Issued by: KMG/JJBF/IBNP/MAMG

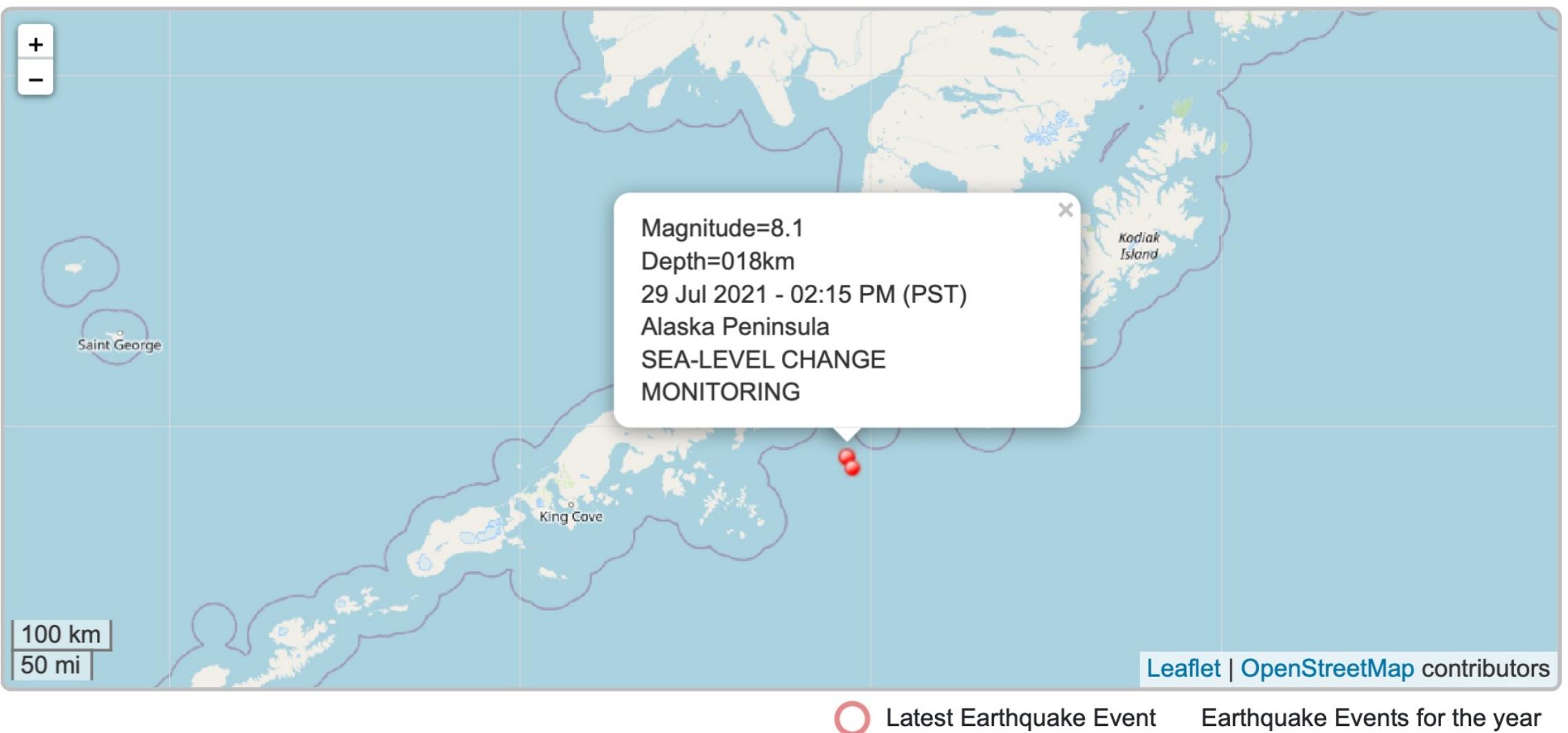
**IMPORTANT** This will be the only tsunami information issued unless additional information becomes available. Always refer to the latest tsunami information posted at the PHIVOLCS official website (<https://www.phivolcs.dost.gov.ph/>).

## PHILIPPINE TSUNAMI INFORMATION

Tsunami Information	Threat to the Philippines	Recommended Action for Affected Places
Sea Level Change Monitoring	PHIVOLCS will monitor sea level changes and provide updates	<b>No evacuation order is in effect.</b>  Public is advised to wait and listen for updates.



## 2021 PHIVOLCS TSUNAMI INFORMATION



### TSUNAMI INFORMATION NO. 1 SEA-LEVEL CHANGE MONITORING

People are advised to wait for further updates.

#### PRELIMINARY EARTHQUAKE PARAMETERS

Date and Time : 29 Jul 2021 - 02:15:47 PM  
Location : 55.5°N, 157.9°W - 60 Miles Se Of Chignik, Alaska  
Depth (km) : 018  
Magnitude : 8.1

#### EVALUATION

An earthquake of this size has the potential to generate a destructive tsunami that can strike coastlines in the region near the epicenter within minutes to hours.

#### RECOMMENDED ACTION

**NO EVACUATION IS IN ORDER.** Coastal communities of the following provinces are advised to **WAIT AND WATCH FOR UPDATES**.

Batanes Group of Islands  
Cagayan  
Ilocos Norte  
Isabela  
Quezon  
Aurora  
Camarines Norte  
Camarines Sur

Albay  
Catanduanes  
Sorsogon  
Eastern Samar  
Northern Samar  
Leyte  
Southern Leyte  
Surigao del Norte

Surigao del Sur  
Davao Oriental  
Davao De Oro  
Davao del Norte  
Davao del Sur  
Davao Occidental

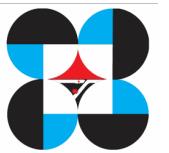
Issued on: 29 Jul 2021 - 03:37:57 PM  
Issued by: RJP/REG/ALTDS/JAB

#### IMPORTANT

This will be the only tsunami information issued unless additional information becomes available. Always refer to the latest tsunami information posted at the PHIVOLCS official website (<https://www.phivolcs.dost.gov.ph/>).

# PHILIPPINE TSUNAMI INFORMATION

Tsunami Information	Threat to the Philippines	Recommended Action for Affected Places
<b>Minor Sea Level Disturbance</b>	<p><b>Minor sea level disturbance is expected</b> in some coastal areas with wave heights of less than one (1) meter above the expected ocean tides.</p>	<p>People are advised to <b>stay away from the beach and not to go to the coast</b>.</p> <p>People whose houses are located very near the shoreline are advised to <b>move farther inland</b>.</p> <p>Owners of boats in harbors, estuaries or shallow coastal waters of the affected provinces should secure their boats and move away from the waterfront.</p> <p>Boats already at sea are advised to stay offshore in deep waters until further notified.</p>



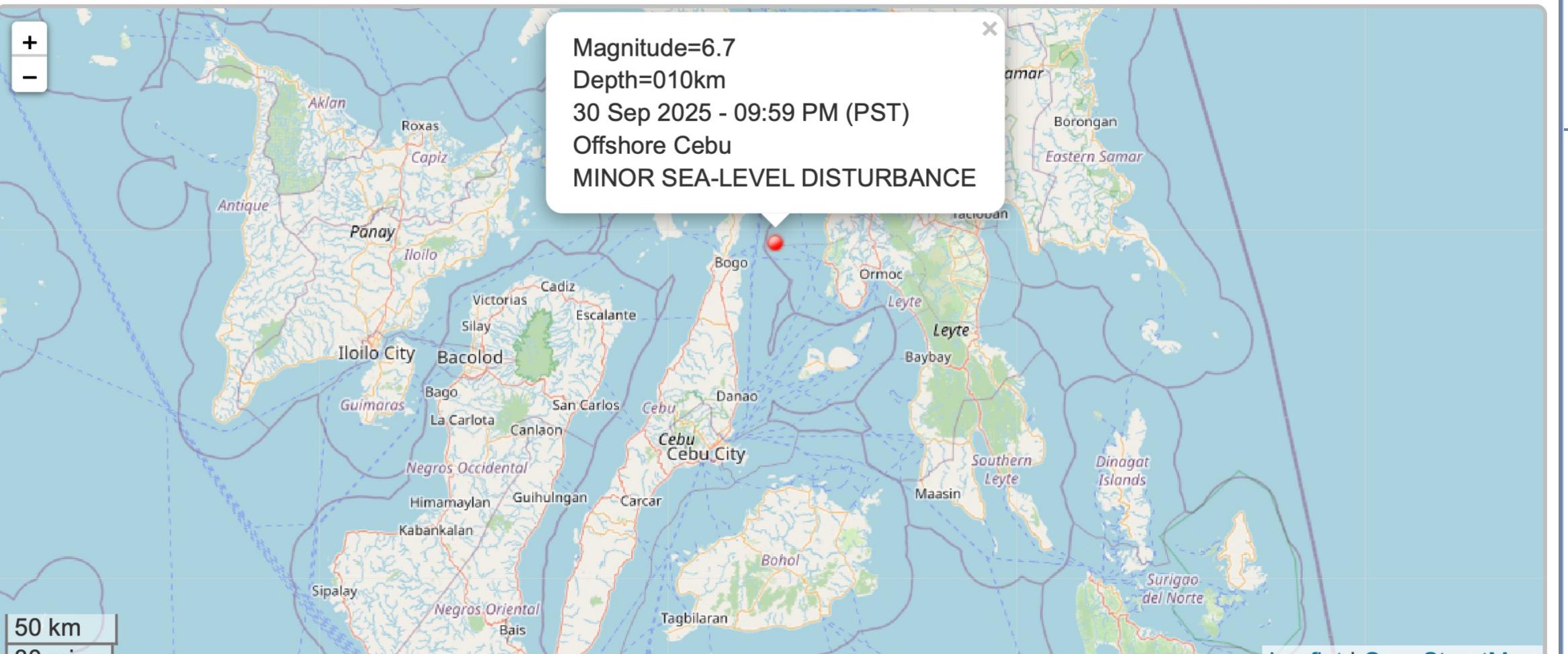
Republic of the Philippines

DEPARTMENT OF SCIENCE AND TECHNOLOGY  
PHILIPPINE INSTITUTE OF VOLCANOLOGY AND  
SEISMOLOGY



## PHIVOLCS TSUNAMI INFORMATION

Magnitude=6.7  
Depth=010km  
30 Sep 2025 - 09:59 PM (PST)  
Offshore Cebu  
MINOR SEA-LEVEL DISTURBANCE



● Latest Earthquake Event    ● Earthquake Events for the year

### TSUNAMI INFORMATION NO. 1 MINOR SEA-LEVEL DISTURBANCE

Strong currents and rapid changes of seawater level are expected.

#### PRELIMINARY EARTHQUAKE PARAMETERS

Date and Time : 30 Sep 2025 - 09:59:45 PM  
Location : 11.13°N, 124.18°E - Offshore Cebu  
Depth (km) : 010  
Magnitude : 6.7

#### RECOMMENDED ACTION

The concerned public is advised to be on alert for unusual waves. People are advised to **STAY AWAY FROM THE BEACH AND NOT TO GO TO THE COAST** of the following provinces until the cancellation of this advisory:

Leyte

Cebu

Biliran

People whose houses are located very near the shoreline of these provinces are advised to **MOVE FARTHER INLAND**.

Owners of boats in harbors, estuaries or shallow coastal water of the above-mentioned provinces should secure their boats and move away from the waterfront. Boats already at sea during this period should stay offshore in deep waters until further advised.

Issued on: 30 Sep 2025 - 10:32:09 PM

Issued by: GBD/CNDA/KMG

#### **IMPORTANT**

This will be the only tsunami information issued unless additional information becomes available. Always refer to the latest tsunami information posted at the PHIVOLCS official website (<https://www.phivolcs.dost.gov.ph/>).

# PHILIPPINE TSUNAMI INFORMATION

Tsunami Information	Threat to the Philippines	Recommended Action for Affected Places
Tsunami Warning	<p><b>Destructive tsunami was generated with life threatening wave heights.</b></p> <p>(A destructive tsunami is expected to arrive in the Philippines with wave heights greater than one (1) meter above the expected ocean tides.)</p>	<p><b>Immediate evacuations</b> of coastal communities that may be affected are strongly advised.</p> <p>Owners of boats in harbors, estuaries or shallow coastal waters of the affected provinces should secure their boats and move away from the waterfront.</p> <p>Boats already at sea are advised to stay offshore in deep waters until further notified.</p>

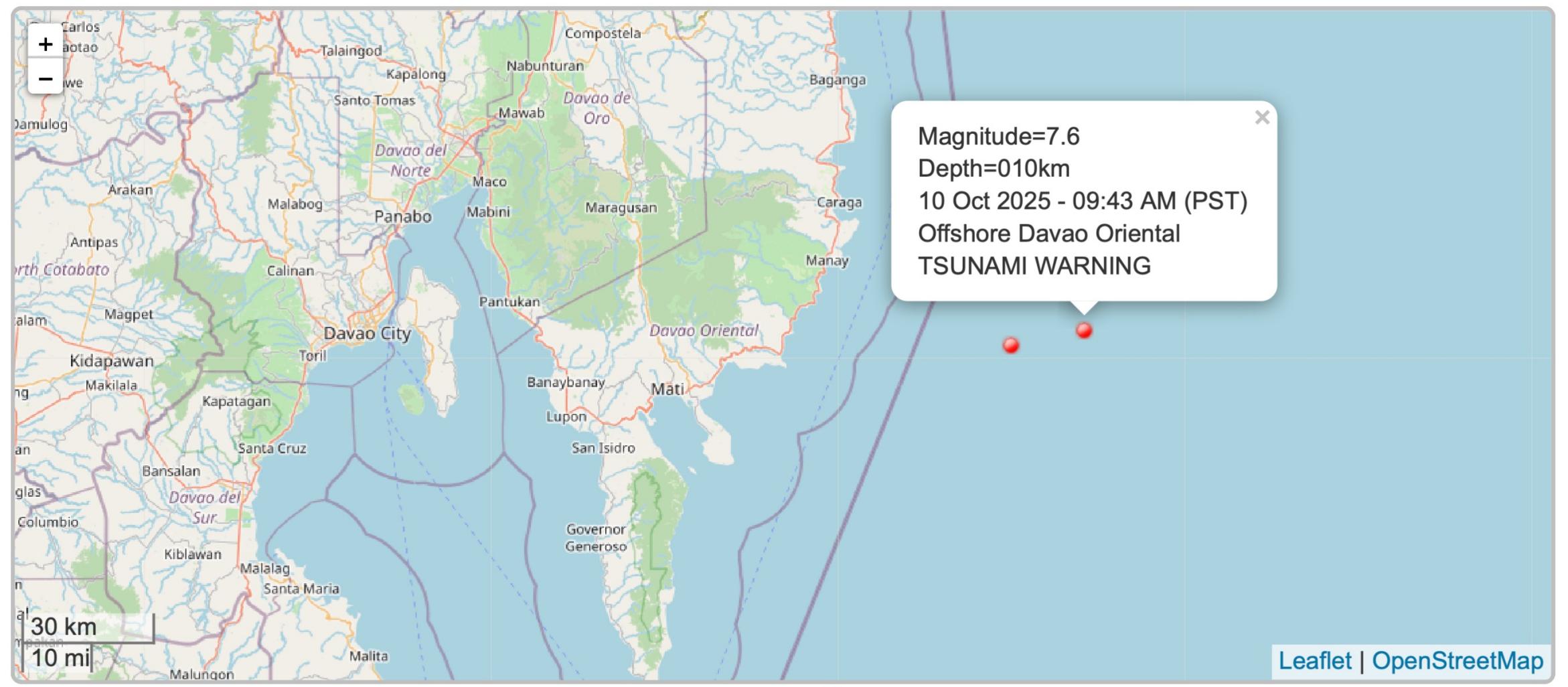


Republic of the Philippines

DEPARTMENT OF SCIENCE AND TECHNOLOGY  
PHILIPPINE INSTITUTE OF VOLCANOLOGY AND  
SEISMOLOGY



## PHIVOLCS TSUNAMI INFORMATION



### TSUNAMI INFORMATION NO. 1 TSUNAMI WARNING

Destructive tsunami is expected with life threatening wave heights.

#### PRELIMINARY EARTHQUAKE PARAMETERS

Date and Time : 10 Oct 2025 - 09:43:54 AM  
Location : 07.07°N, 127.06°E - Offshore Davao Oriental  
Depth (km) : 010  
Magnitude : 7.6

#### EVALUATION

Based on the local tsunami scenario database, it is expected to experience wave heights of more than one meter above the normal tides and may be higher on enclosed bays and straits.

It is forecasted that the first tsunami waves will arrive between **09:43:54** to **11:43:54, 10 Oct 2025** (PST). These waves may continue for hours.

#### RECOMMENDED ACTION

The people in the coastal areas of the following provinces are **STRONGLY ADVISED TO IMMEDIATELY EVACUATE** to higher grounds or move farther inland.

Eastern Samar  
Dinagat Islands  
Davao Oriental

Southern Leyte  
Surigao Del Norte

Leyte  
Surigao Del Sur

Owners of boats in harbors, estuaries or shallow coastal water of the above-mentioned provinces should secure their boats and move away from the waterfront. Boats already at sea during this period should stay offshore in deep waters until further advised.

Issued on: 10 Oct 2025 - 09:53:44 AM

Issued by: MLAJ/JPD/ALTDS/CE

#### **IMPORTANT**

This will be the only tsunami information issued unless additional information becomes available. Always refer to the latest tsunami information posted at the PHIVOLCS official website (<https://www.phivolcs.dost.gov.ph/>).

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# Cancellation of Tsunami Information

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## CRITERIA FOR CANCELLATION OF TSUNAMI INFORMATION

This table shows criteria for the issuance of PHIVOLCS cancellation of Tsunami Advisories.

Latest Tsunami Info	Scenario	Recommended Action	Template
Minor Sea-Level/ Tsunami Warning	Tsunami is observed.	<b>For Distant events:</b> Wait for ITWC to issue a cancellation bulletin and wait for two hours before cancellation.	<b>Cancellation Template</b>
	No tsunami is observed at forecasted arrival time.	<b>For local events:</b> PHIVOLCS will decide when to cancel the tsunami warning.	
		Wait for <b>two hours</b> , then issue a cancellation information	

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# How do we estimate tsunami height and arrival time?

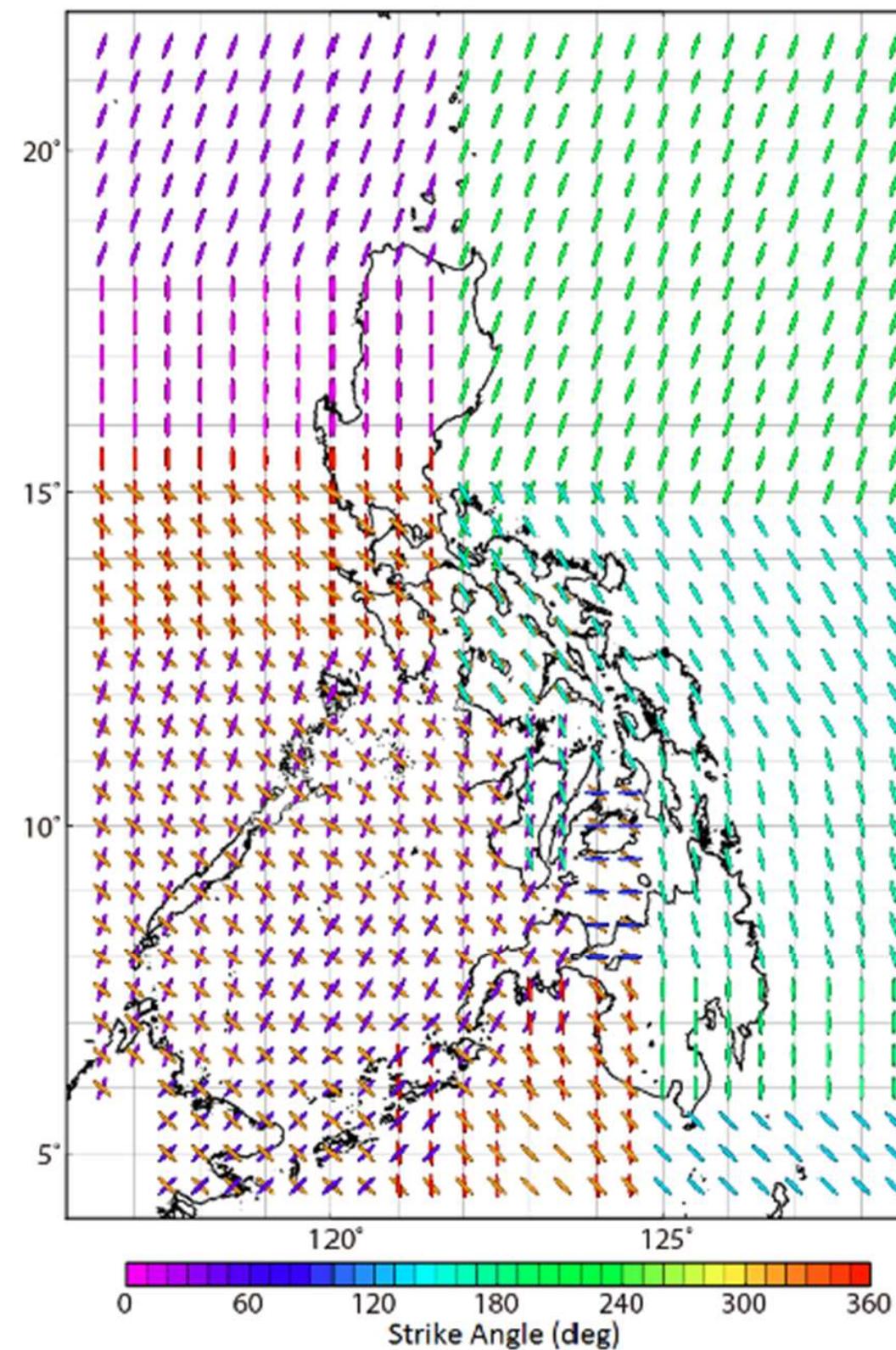
DECISION SUPPORT TOOLS for Local Tsunami

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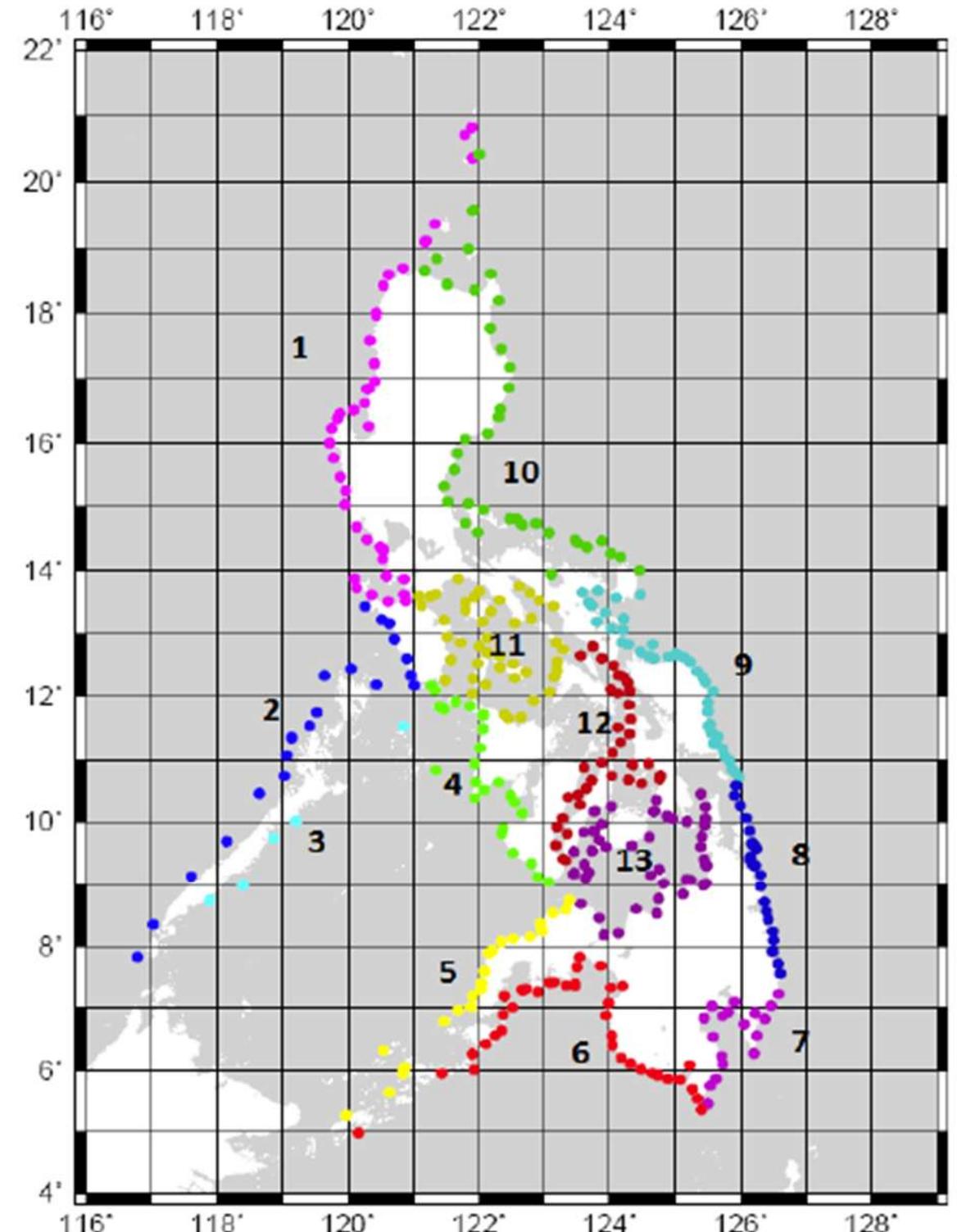


# Tsunami Simulation Database for the Warning System in the Philippines

- DOST-PHIVOLCS built a nationwide tsunami simulation database with Japan Meteorological Agency (JMA) through SATREPS project (2012–2014) (PHIVOLCS members: Ms. Joan Salcedo, Vilma Grenan, Ishmael Narag, and Bartolome Bautista)
- Simulated and stored over 30,000 local-tsunami scenarios by July 2014
- Basis for PHIVOLCS tsunami warnings



STRIKE of Scenario Fault



Distribution of FPs and Area setting

\*FP = forecast points

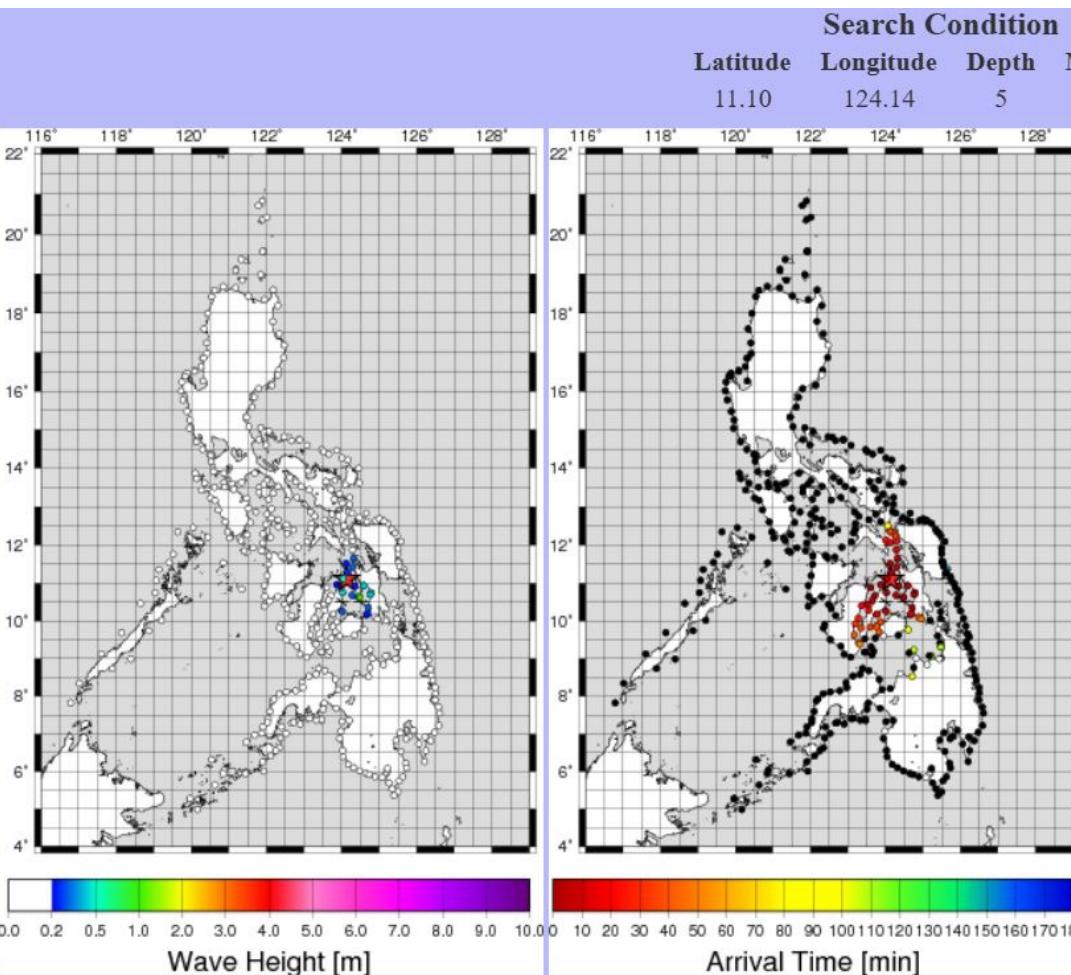
Web application to search the database using real-time earthquake information

## Tsunami database search

### Earthquake Parameters

Latitude  deg  
 Longitude  deg  
 Depth  km  
 Magnitude

search



★: epicenter

✓: assumed faults selected for this search condition

Tools to generate standardized warning messages (e.g., advisory, warning) based on pre-defined height thresholds (e.g.,  $H < 1\text{m}$  and  $H \geq 1\text{m}$ ).

**TSUNAMI INFORMATION NO. 1  
NO TSUNAMI THREAT.**  
No tsunami threat to the Philippines from this earthquake.

**PRELIMINARY EARTHQUAKE PARAMETERS**

Date and Time	09 Nov 2025 - 04:04:00 PM
Location	39.4°N, 143.5°E - Off The East Coast Of Honshu Japan
Depth (km)	010
Magnitude	6.7

**EVALUATION**  
No destructive tsunami threat exists based on available data. This is for information purposes only and there is no tsunami threat to the Philippines from this earthquake.

**RECOMMENDED ACTION**  
No action required.

**TSUNAMI INFORMATION NO. (Number)  
SEA-LEVEL CHANGE MONITORING**  
People are advised to wait for further updates.

**PRELIMINARY EARTHQUAKE PARAMETERS**

Date and Time	(Date/Time of Event)
Location	(Location of Event)
Depth (km)	(Depth of Event)
Magnitude	(Magnitude of Event)

**EVALUATION**  
An earthquake of this size has the potential to generate a destructive tsunami that can strike coastlines in the region near the epicenter within minutes to hours.

**RECOMMENDED ACTION**  
NO EVACUATION IS IN ORDER. Coastal communities of the following provinces are advised to WAIT AND LISTEN FOR UPDATES.

Province 1	Province 6	Province 11
Province 2	Province 7	Province 12
Province 3	Province 8	Province 13
Province 4	Province 9	Province 14
Province 5	Province 10	Province 15

**TSUNAMI INFORMATION NO. 2  
ADVISORY: MINOR SEA-LEVEL DISTURBANCE**

**PRELIMINARY EARTHQUAKE PARAMETERS**

Date and Time	30 Jul 2025 - 07:25:00 AM
Location	52.2°N, 160.0°E - Off The East Coast Of Kamchatka, Russia
Depth (km)	074
Magnitude	8.7

**EVALUATION**  
Based on the revised magnitude calculations and tsunami wave models in the Pacific Tsunami Warning Center, coastal areas in the Philippines fronting the Pacific ocean are expected to experience tsunami wave height of less than one (1) meter. The first tsunami waves are expected to arrive between 01:20 PM to 02:40 PM, 30 Jul 2025 (PST). It may not be the largest and these waves may continue for hours.

**RECOMMENDED ACTION**  
The concerned public is advised to be on alert for unusual waves. People are also advised to STAY AWAY FROM THE BEACH AND NOT TO GO TO THE COAST of the following provinces until the cancellation of this advisory.

Batanes Group of Islands	Albay	Dinagat Islands
Cagayan	Sorsogon	Surigao del Norte
Isabela	Catanduanes	Surigao del Sur
Aurora	Northern Samar	Davao del Norte
Quezon	Eastern Samar	Davao del Sur
Camarines Norte	Leyte	Davao Occidental
Camarines Sur	Southern Leyte	Davao del Sur
		Davao de Oro

**TSUNAMI INFORMATION NO. 1  
TSUNAMI WARNING**  
Destructive tsunami is expected with life threatening wave heights.

**PRELIMINARY EARTHQUAKE PARAMETERS**

Date and Time	10 Oct 2025 - 09:43:54 AM
Location	07.07°N, 127.06°E - Offshore Davao Oriental
Depth (km)	010
Magnitude	7.6

**EVALUATION**  
Based on the local tsunami scenario database, it is expected to experience wave heights of more than one meter above the normal tides and may be higher on enclosed bays and straits.

**RECOMMENDED ACTION**  
The people in the coastal areas of the following provinces are STRONGLY ADVISED TO IMMEDIATELY EVACUATE to higher grounds or move farther inland.

Eastern Samar	Southern Leyte	Leyte
Dinagat Islands	Surigao Del Norte	Surigao Del Sur
Davao Oriental		

**IMPORTANT** This will be the only tsunami information issued unless additional information becomes available. Always refer to the latest tsunami information posted at the PHIVOLCS official website (<http://www.phivolcs.dost.gov.ph>).

**TSUNAMI INFORMATION NO. 2  
ADVISORY: MINOR SEA-LEVEL DISTURBANCE**

**PRELIMINARY EARTHQUAKE PARAMETERS**

Date and Time	10 Oct 2025 - 09:53:44 AM
Location	07.07°N, 127.06°E - Offshore Davao Oriental
Depth (km)	010
Magnitude	7.6

**EVALUATION**  
Based on the local tsunami scenario database, it is expected to experience wave heights of more than one meter above the normal tides and may be higher on enclosed bays and straits.

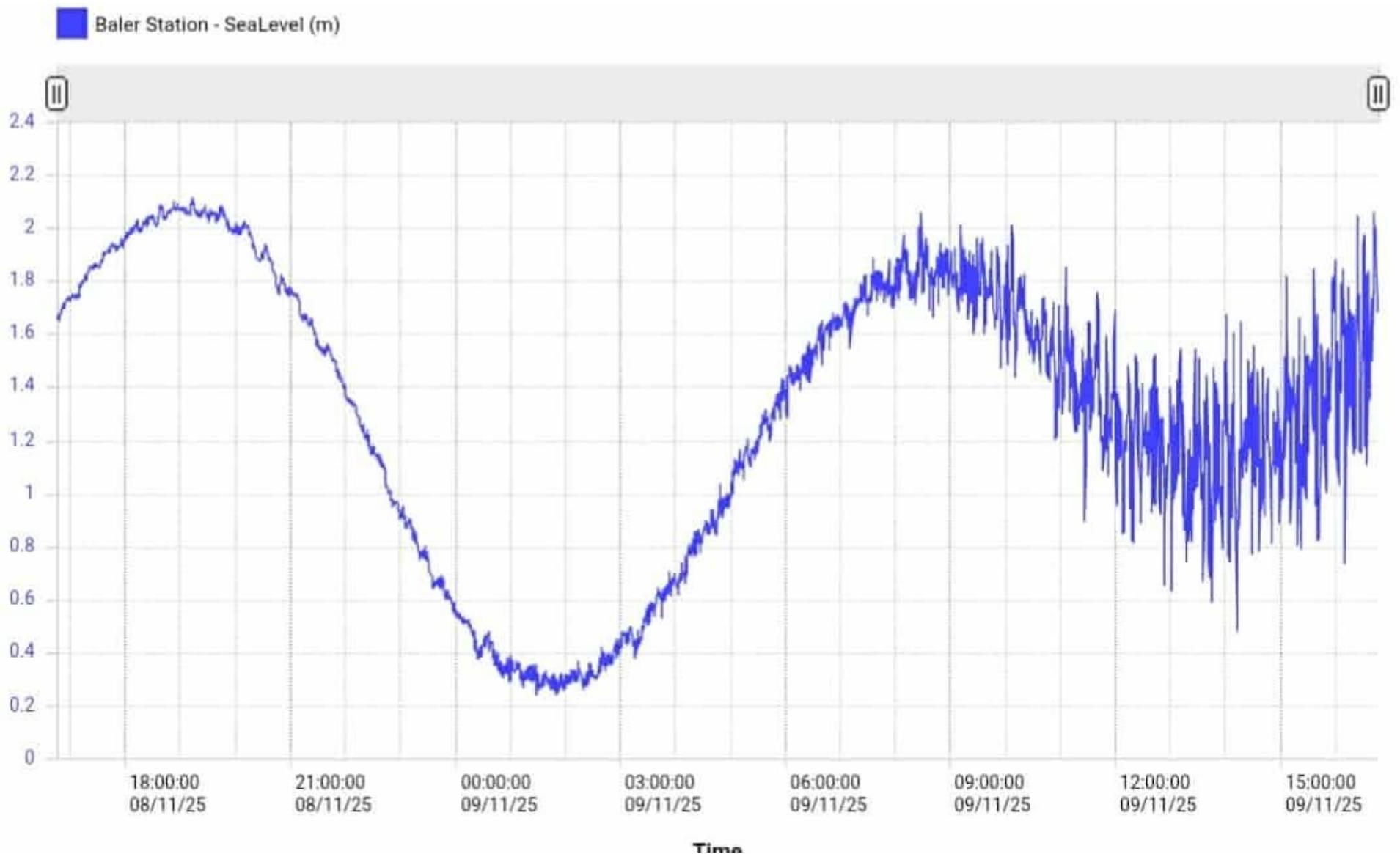
**RECOMMENDED ACTION**  
The people in the coastal areas of the following provinces are STRONGLY ADVISED TO IMMEDIATELY EVACUATE to higher grounds or move farther inland.

Eastern Samar	Southern Leyte	Leyte
Dinagat Islands	Surigao Del Norte	Surigao Del Sur
Davao Oriental		

**IMPORTANT** This will be the only tsunami information issued unless additional information becomes available. Always refer to the latest tsunami information posted at the PHIVOLCS official website (<http://www.phivolcs.dost.gov.ph>).



**DOST-PHIVOLCS Sea-level Monitoring Station  
(Nasugbu, Batangas)**



**Sea-level monitoring station record  
(Baler, Aurora)**

*Alam mo ba?*

## Tsunami sa Pilipinas

- May mga baybayin sa Pilipinas na maaaring marating ng unang Tsunami wave sa loob ng **2** hanggang **5** minuto matapos ang lindol
- **Walang sapat na panahon para sa babala.**
- Use the natural tsunami warning signs



### LOKAL NA TSUNAMI (LOCALLY-GENERATED TSUNAMIS)

Magmumula sa mga karagatan sa paligid ng Pilipinas. Ang unang tsunami ay **makararating sa pinakamalapit na baybayin mula sa episentro ng lindol sa loob ng 2 hanggang 5 minuto matapos ang lindol.**

Walang sapat na panahon para sa babala. Agad na **LUMIKAS** patungo sa mataas na lugar o papalayo sa dagat!

*Makilahok sa*  
**WORLD TSUNAMI AWARENESS DAY**  
*tuwing IKA-5 NG NOBYEMBRE*



DOST-PHIVOLCS



[www.phivolcs.dost.gov.ph](http://www.phivolcs.dost.gov.ph)

 /PHIVOLCS

 @phivolcs\_dost

# Natural observations for LOCAL tsunami warning



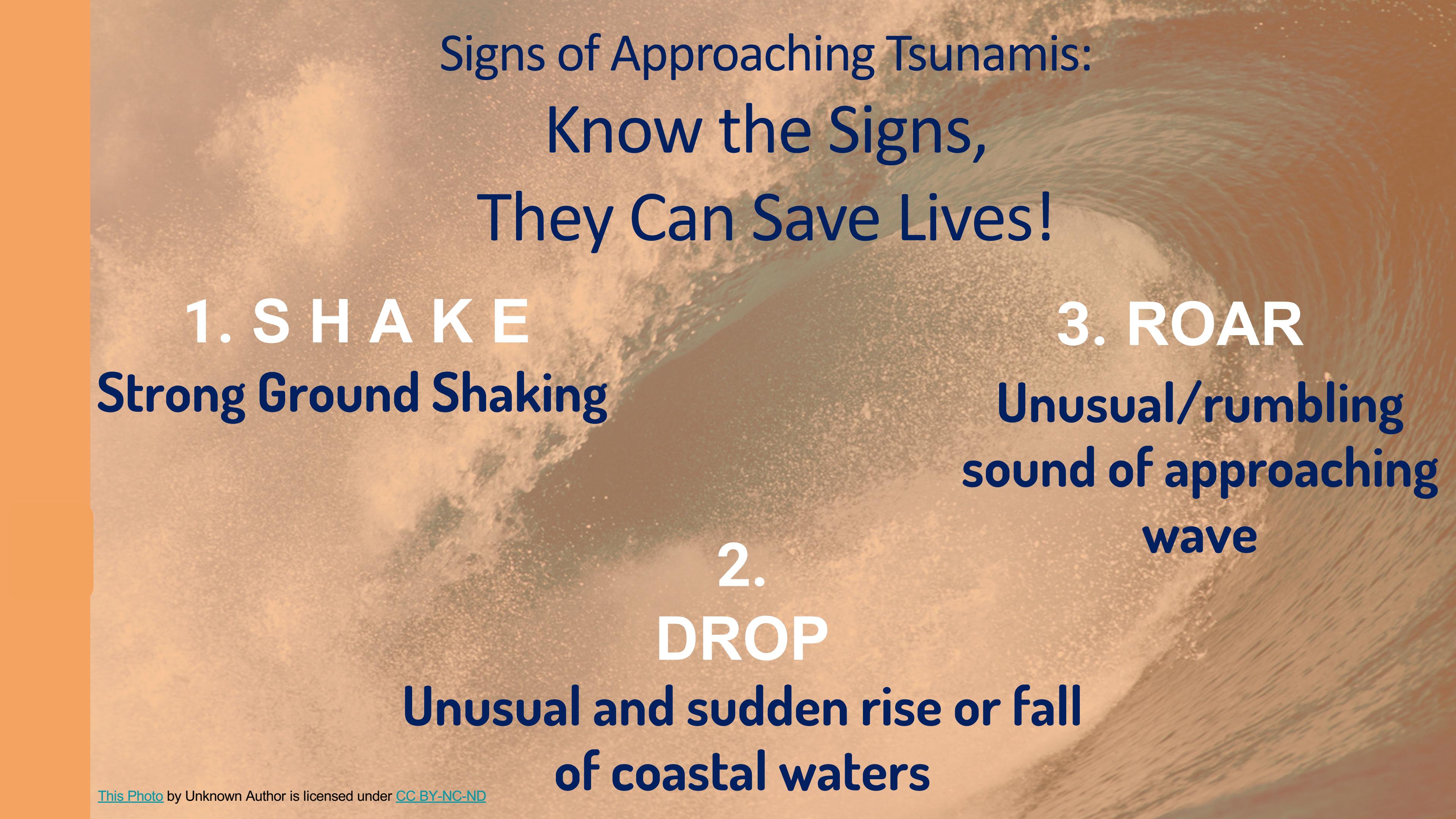
**1. SHAKE**  
Strong ground  
shaking



**2. DROP**  
Unusual and  
sudden rise or fall  
of coastal waters



**3. Roar**  
Unusual/rumbling  
sound of  
approaching wave



# Signs of Approaching Tsunamis: Know the Signs, They Can Save Lives!

## 1. SHAKE

**Strong Ground Shaking**

## 3. ROAR

**Unusual/rumbling  
sound of approaching  
wave**

## 2.

## DROP

**Unusual and sudden rise or fall  
of coastal waters**



*Thank you*

