



EXERCISE PACIFIC WAVE 2011 – FOR EXERCISE PURPOSE ONLY

NDRRMC UPDATE

SitRep No. 02 on **TSUNAMI**

Releasing Officer


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DATE : 10 November, 10:00 AM

Sources: PHIVOLCS-DOST, AGENCIES,

A. SITUATION OVERVIEW

- A strong distant earthquake occurred in Mindanao, Philippines at 8:00 AM located at 9.5 N, 126.6 E with depth of 20 km and a magnitude of 8.4. The Pacific Tsunami Warning Center sea level monitoring stations confirmed the occurrences of tsunami with life threatening wave amplitudes

B. TSUNAMI BULLETIN/S

- TSUNAMI BULLETIN NO. 1 (10 November 2011, 8:16 AM)

ALERT LEVEL # 3: IMMEDIATE EVACUATION

- People in threatened coastal areas are **STRONGLY ADVISED TO IMMEDIATELY EVACUATE** to higher grounds or go far inland. Damaged waves may continue for hours
- Boats at sea are advised to stay in the deeper parts of the open seas until the threat has passed. If there is sufficient time, boats in harbours and enclosed bays are advised to go to the deeper parts of the open seas until the threat has passed.
- Coastal areas fronting the Pacific Ocean of the following provinces should evacuate immediately.

Batanes Group of Islands	Sorsogon
Cagayan	Northern Samar
Ilocos Norte	Eastern Samar
Isabela	Leyte
Quezon	Southern Leyte
Aurora	Surigao del Norte
Camarines Norte	Surigao del Sur
Camarines Sur	Davao Oriental
Albay	Davao del Sur
Catanduanes	

• TSUNAMI BULLETIN NO. 2 (10 November 2011, 9:10 AM)

ALERT LEVEL # 3: IMMEDIATE EVACUATION

- A strong local distant earthquake occurred in Mindanao, Philippines at 8:00 AM located at 9.5 N, 126.6 E with depth of 20 km and a magnitude of 8.7. Reports by the Local Government Units have confirmed reports of tsunami in the following places:

Locality	Estimated Maximum Wave Height (in meters)	Time of Observation (Philippine Time)
Surigao del Norte	11.0 m	8:10 AM
Eastern Samar	10.0 m	8:30 AM
Dinagat Island	10.0 m	8:30 AM
Surigao del Sur	10.0 m	8:30 AM
Northern Samar	7.0 m	8:30 AM
Leyte	no estimate	8:30 AM
Southern Leyte	7.0 m	8:30 AM
Davao Oriental	7.0 m	8:30 AM
Davao del Sur and Catanduanes	Unusual sea waves	8:40 AM

- The Northwest Pacific Tsunami Advisory Center (NWPTAC) forecast s arrival of the tsunami in the following places:

Locality	Estimated Maximum Wave Height (in meters)	Time of Observation (Philippine Time)
Madrid, Surigao del Sur	over 10 m	8:04 AM
Laoang, Northern Samar	over 10 m	8:21 AM
Legaspi, Albay	over 10 m	8:30 AM
Palanan, Isabela	3 m	9:00 AM
Zamboanga	2 m	9:25 AM
Basco, Batanes	6 m	9:32 AM
Laoag, Ilocos Norte	2 m	10:00 AM

- Boats at sea are advised to stay in the deeper parts of the open seas until the threat has passed. If there is sufficient time, boats in harbours and enclosed bays are advised to go to the deeper parts of the open seas until the threat has passed.
- Coastal areas fronting the Pacific Ocean of the following provinces should evacuate immediately:

<u>Batanes Group of Islands</u>	<u>Sorsogon</u>
<u>Cagayan</u>	<u>Northern Samar</u>
<u>Ilocos Norte</u>	<u>Eastern Samar</u>
<u>Isabela</u>	<u>Leyte</u>
<u>Quezon</u>	<u>Southern Leyte</u>
<u>Aurora</u>	<u>Surigao del Norte</u>
<u>Camarines Norte</u>	<u>Surigao del Sur</u>
<u>Camarines Sur</u>	<u>Davao Oriental</u>
<u>Albay</u>	<u>Davao del Sur</u>
<u>Catanduanes</u>	<u>Zamboanga City</u>
<u>Sarangani</u>	<u>Lanao del Norte</u>
<u>Lanao del Sur</u>	<u>Sultan Kudarat</u>
<u>Maguindanao</u>	<u>Basilan</u>
<u>General Santos City</u>	<u>Zamboanga del Sur</u>

C. ACTIONS TAKEN

NATIONAL SITUATION

- NDRRMC OpCen disseminated Earthquake information and Tsunami Bulletins/Alerts to RDRRMCs/OCD Regional Centers concerned through SMS and facsimile for further dissemination to their respective local disaster risk reduction and management councils from the provincial down to the municipal levels, especially to the coastal areas and communities fronting the Pacific Ocean
- NDRRMC OpCen activated to RED ALERT STATUS and the NDRRMC Emergency Operations Center was activated effective 8:00 AM, 10 November 2011 to ensure the continuous dissemination of Earthquake/ Tsunami bulletins to all Regional Centers and RDRRMCs, PDRRMCs and OCDRCs in I, II, III, IV-A, V, VIII, XI and CARAGA to closely monitor the preparedness measures being undertaken by NDRRMC and concerned RDRRMCs' member agencies relative to the Tsunami.
- NDRRMC set-up the Emergency Telecommunications equipment (back-up). Satellite based communication capabilities on voice, text messaging, fax and internet access that can be used when commercial telecommunications and power services are cut-off
- Likewise, Operations Centers of RDRRMCs concerned were advised to take all the following appropriate precautionary measures:
 - Alert all residents living in the coastal areas fronting the Pacific Ocean for possible evacuation
 - Effect the dissemination of the tsunami bulletins/advisories to the Local Chief Executives, Civil Defense Coordinators and RDRRMC Members through SMS, fax and other means of communication
 - Communicate with all local TV and Radio Stations to ensure widest public information dissemination of Tsunami Bulletins/Alerts
 - Undertake continuous monitoring in their respective area of responsibility (AOR)
 - Instruct to submit report on actions taken thereof
- **PHIVOLCS issued Press Release on Earthquake Parameters and Observed Tsunami Data and Tsunami information received at 8:30 AM:**

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Dinagat Island	6.0 m	8:30 AM
Surigao del Sur	6.0 m	8:30 AM
Northern Samar	no estimate	8:30 AM
Leyte	no estimate	8:30 AM
Southern Leyte	no estimate	8:30 AM
Davao Oriental	no estimate	8:30 AM

REGIONAL SITUATION

Region VI

- **RDRRMC/OCD VI activated its Communications and Warning Group (CWG) monitors the situation on the impact of the tectonic quake with Intensity III, with epicenter in San Jose, Antique**
- **Disseminated earthquake information and tsunami bulletins to affected areas thru tri-media**
- **CWG volunteers was tapped for the current situation**
- **PDRRMC in Aklan, Iloilo and Antique was activated**

Region VIII

- RDRMC/OCD VIII received a report from PHIVOLCS on the reported intensities in some areas in Region VIII
 - RDRMC/OCD VIII currently monitors the affected localities on the effects of the earthquake
 - RDRMC/OCD VIII together with the 8th Infantry Division utilizes all available communication equipment
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