



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**

National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

**NDRRMC UPDATE**

**Severe Weather Bulletin No. 12 re Tropical Storm “CARINA”**

Releasing Officer:

  
**USEC RICARDO B JALAD**  
 Executive Director

**DATE: 30 July 2016, 11:00 PM**

Source: PAGASA-DOST

**“Carina” has intensified slightly as it continues to move closer towards Northern Luzon.**

<ul style="list-style-type: none"> <li>• Estimated rainfall amount is from moderate to heavy within the <b>400 km</b> diameter of the <b>Tropical Storm</b>.</li> <li>• Fisherfolk are alerted against <b>rough to very rough</b> seas over the eastern seaboard of <b>Southern Luzon</b>.</li> <li>• Areas under TCWS #1 and #2, <b>CALABARZON, Central Luzon</b>, the rest of <b>Cagayan Valley</b> and the provinces of <b>Benguet</b> and <b>Camarines Norte</b> are alerted against moderate to heavy rains which may trigger flashfloods and landslides.</li> </ul>	
<b>Location of Center: (as of 10:00 PM)</b>	<b>315 km East of Casiguran, Aurora</b>
<b>Coordinates:</b>	<b>16.7°N, 125.0°E</b>
<b>Strength:</b>	<b>Maximum winds of up to 75 kph. near the center and gustiness of up to 90 kph</b>
<b>Movement:</b>	<b>Forecast to move Northwest at 20 kph.</b>
<b>Forecast Positions/Outlook:</b>	<ul style="list-style-type: none"> <li>•<b>24 Hour (Tomorrow evening):</b> <b>85 km Northeast of Laog City, Ilocos Norte</b></li> <li>•<b>48 Hour (Monday evening):</b> <b>550 km Northwest of Laog City, Ilocos Norte (outside PAR)</b></li> <li>•<b>72 Hour (Tuesday evening):</b> <b>1,160 km North Northwest of Ilocos Norte (outside PAR)</b></li> </ul>

## TROPICAL CYCLONE WARNING SIGNAL

TCWS	Luzon	Visayas	Mindanao	Impacts of the wind
<p style="text-align: center;"><b>2</b></p> <p style="text-align: center;">(61-120 kph Expected in 24 hrs.)</p>	<p style="text-align: center;"><b>Isabela, Ilocos Norte, and Cagayan including Babuyan Group of Islands</b></p>			<ul style="list-style-type: none"> <li>• Light to Moderate damage to high risk structures;</li> <li>• Very light to light damage to medium-risk structures;</li> <li>• No damage to very light damage to low risk structures</li> <li>• Unshielded, old dilapidated schoolhouses, makeshift shanties, and other structures of light materials are partially damaged or unroofed.</li> <li>• A number of nipa and cogon houses may be partially or totally unroofed.</li> <li>• Some old galvanized iron (G.I.) roofs may be peeled or blown off.</li> <li>• Some wooden, old electric posts are tilted or downed.</li> <li>• Some damage to poorly constructed signs/billboards</li> <li>• In general, the winds may bring light to moderate damage to the exposed communities. Most banana plants, a few mango trees, ipil-ipil and similar types of trees are downed or broken.</li> <li>• Some coconut trees may be tilted with few others broken.</li> <li>• Rice and corn may be adversely affected.</li> <li>• Considerable damage to shrubbery and trees with some heavy-foliaged trees blown down.</li> </ul>
<b>Wave Height (Open Sea): 4.1-14.0 meters</b>				
<p style="text-align: center;"><b>1</b></p> <p style="text-align: center;">(30-60kph Expected in 36 hrs.)</p>	<p style="text-align: center;"><b>Ifugao, Apayao, Kalinga, Mt. Province, Abra, Quirino and Aurora</b></p>			<ul style="list-style-type: none"> <li>• Very light or no damage to low risk structures</li> <li>• Light damage to medium to high risk structures</li> <li>• Slight damage to some houses of very light materials or makeshift structures in exposed</li> </ul>

				<p>communities. Some banana plants are tilted, a few downed and leaves are generally damaged</p> <ul style="list-style-type: none"> <li>• Twigs of small trees may be broken</li> <li>• Rice crops, however, may suffer significant damage when it is in its flowering stage</li> </ul>
<b>Wave Height (Open Sea): 1.25-4.0 meters</b>				
<b>Tropical Cyclone Warning Signal elsewhere are now lowered</b>				

- The public and the Disaster Risk Reduction and Management Council concerned are advised to take appropriate actions and watch for the next weather bulletin to be issued at **2 AM tomorrow.**

## II. ACTION/S TAKEN

- **NDRRM Operations Center disseminated Severe Weather Bulletin No. 12 re Tropical Storm "CARINA"** to all OCD Regional Centers through SMS and facsimile and uploaded on the NDRRMC website for further dissemination to their respective local disaster risk reduction and management councils (LDRRMCs) from the provincial down to the municipal levels
- Directed RDRRMCs concerned through the OCD Regional Centers to undertake precautionary measures in their areas of responsibility (AOR) and subsequently advised local DRRMCs to initiate pre-emptive evacuation of families in low-lying and mountainous areas if situation warrants