



**TROPICAL CYCLONE BULLETIN NR. 21**  
**Typhoon CARINA (GAEMI)**

Issued at 11:00 PM, 24 July 2024

Valid for broadcast until the next bulletin at 5:00 AM tomorrow.

**CARINA WEAKENS INTO A TYPHOON AS IT LOOPS NEAR THE COAST OF TAIWAN.**

**Location of Center (10:00 PM)**

The center of the eye of Typhoon CARINA was estimated based on all available data at **335 km North of Itbayat, Batanes (23.8°N, 122.0°E)**

**Intensity**

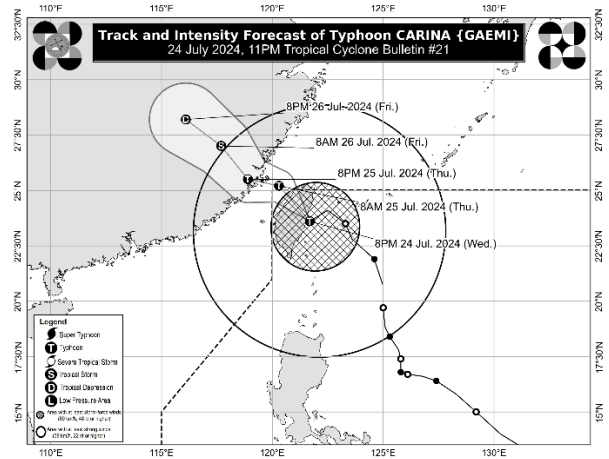
Maximum sustained winds of **175 km/h** near the center, gustiness of up to **215 km/h**, and central pressure of **930 hPa**

**Present Movement**

**Southwestward at 15 km/h**

**Extent of Tropical Cyclone Winds**

**Strong to typhoon-force winds** extend outwards up to **700 km** from the center



**TRACK AND INTENSITY FORECAST**

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
<b>12-Hour Forecast</b> 8:00 AM 25 July 2024	25.2	120.3	515 km North Northwest of Itbayat, Batanes (OUTSIDE PAR)	155	TY	NW 20
<b>24-Hour Forecast</b> 8:00 PM 25 July 2024	25.5	118.9	605 km North Northwest of Itbayat, Batanes or in the vicinity of Fujian, China (OUTSIDE PAR)	120	TY	WNW 10
<b>36-Hour Forecast</b> 8:00 AM 26 July 2024	27.0	117.7	810 km North Northwest of Extreme Northern Luzon or in the vicinity of Fujian, China (OUTSIDE PAR)	75	TS	NW 15
<b>48-Hour Forecast</b> 8:00 PM 26 July 2024	28.2	116.1	1,010 km Northwest of Extreme Northern Luzon or in the vicinity of Jiangxi, China (OUTSIDE PAR)	55	TD	NW 15

**TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT**

TCWS No.	Luzon	Visayas	Mindanao
<b>2</b>	<b>Batanes</b>	-	-
Wind threat: <b>Gale-Force winds</b>	Warning lead time: <b>24 hours</b> Range of wind speeds: <b>62 to 88 km/h (Beaufort 8 to 9)</b> Potential impacts of winds: <b>Minor to moderate threat to life and property</b>		

Prepared by: RPG

Checked by: CFP

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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
<b>1</b> Wind threat: <b>Strong winds</b>	<b>Babuyan Islands, the northern portion of mainland Cagayan</b> (Claveria, Santa Praxedes, Sanchez-Mira, Pamplona, Abulug, Ballesteros, Aparri, Camalaniugan, Buguey, Santa Teresita, Santa Ana, Gonzaga), and <b>the northern portion of Ilocos Norte</b> (Burgos, Bangui, Pagudpud, Dumalneg, Adams)	-	-
	Warning lead time: <b>36 hours</b> Range of wind speeds: <b>39 to 61 km/h (Beaufort 6 to 7)</b> Potential impacts of winds: <b>Minimal to minor threat to life and property</b>		

**OTHER HAZARDS AFFECTING LAND AREAS**

**Heavy Rainfall Outlook**

Typhoon CARINA is now less likely to directly bring heavy rainfall over any portion of the country. However, the Southwest Monsoon enhanced by CARINA will bring **moderate to intense rainfall** over various localities in the western portion of Luzon today through Saturday. For more information, refer to Weather Advisory No. 30 issued at 11:00 PM today.

**Severe Winds**

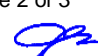
The wind signals warn the public of the **general wind threat** over an area due to the tropical cyclone. Local winds may be slightly stronger/enhanced in coastal and upland/mountainous areas exposed to winds. Winds are less strong in areas sheltered from the prevailing wind direction.

- **Minor to moderate impacts** from strong winds are possible within any of the localities where Wind Signal No. 2 is hoisted.
- **Minimal to minor impacts** from strong winds are possible within any of the areas under Wind Signal No. 1.

The Southwest Monsoon enhanced by CARINA will also bring **strong to gale-force gusts** over the following areas (especially in coastal and upland areas exposed to winds):

- **Today and tomorrow (25 July):** Ilocos Region, Cordillera Administrative Region, Nueva Vizcaya, Quirino, the eastern portion of Isabela, Central Luzon, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, Western Visayas, Negros Occidental, and Northern Samar
- **Friday (26 July):** Batanes, Babuyan Islands, Ilocos Region, Cordillera Administrative Region, Nueva Vizcaya, Quirino, the eastern portion of Isabela, Central Luzon, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, and Western Visayas.
- **Saturday (27 July):** Batanes, Ilocos Region, Zambales, Bataan, Marinduque, Romblon, Lubang Island, and Kalayaan Islands.

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**HAZARDS AFFECTING COASTAL WATERS**

- **Gale Warning is in effect over the coastal waters of Batanes, Babuyan Islands, and the northern portions of Ilocos Norte and Cagayan. Sea travel is risky for small seacrafts, including all types of motorbancas.** For more information, refer to Gale Warning No. 5 issued at 5:00 PM today.
- In the next 24 hours, CARINA and the enhanced Southwest Monsoon will bring **rough seas** over the seaboard of Northern Luzon (2.5 to 4.0 m) outside Gale Warning areas, and the western seaboard of Central Luzon (2.5 to 4.0 m). **Moderate to rough seas** are also expected over the western seaboard of Southern Luzon (1.5 to 3.5 m) and the eastern seaboard of Central and Southern Luzon (1.5 to 3.0 m) **Mariners of small seacrafts, including all types of motorbancas, are advised not to venture out to sea under these conditions, especially if inexperienced or operating ill-equipped vessels.**
- **Moderate seas** are also expected over the southern seaboard of Southern Luzon (1.5 to 2.5 m), the western and eastern seaboard of Visayas, and the eastern seaboard of Mindanao (1.5 to 2.0 m). **Mariners of motorbancas and similarly-sized vessels are advised to take precautionary measures while venturing out to sea and, if possible, avoid navigation under these conditions.**

**TRACK AND INTENSITY OUTLOOK**


- CARINA is forecast to make landfall in Taiwan between tonight and early tomorrow (25 July) morning before exiting the Philippine Area of Responsibility (PAR) tomorrow morning. Outside the PAR region, CARINA will cross the Taiwan Strait and make its final landfall over southeastern China tomorrow afternoon or evening.
- Due to its prolonged interaction with the mountainous terrain of Taiwan over the past several hours, CARINA has started to weaken a typhoon. Its landfall will result in a weakening trend which is forecast to continue for the remainder of the forecast period.

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 5:00 AM tomorrow.

**DOST-PAGASA**

Prepared by:  **RPG**

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