



**TROPICAL CYCLONE BULLETIN NR. 6**  
**Tropical Storm CARINA (GAEMI)**

Issued at 5:00 AM, 21 July 2024

Valid for broadcast until the next bulletin at 11:00 AM today.

**TROPICAL STORM “CARINA” SLIGHTLY INTENSIFIES OVER THE PHILIPPINE SEA.**

**Location of Center (4:00 AM)**

The center of Tropical Storm CARINA was estimated based on all available data at **490 km East of Casiguran, Aurora (16.7°N, 126.7°E)**

**Intensity**

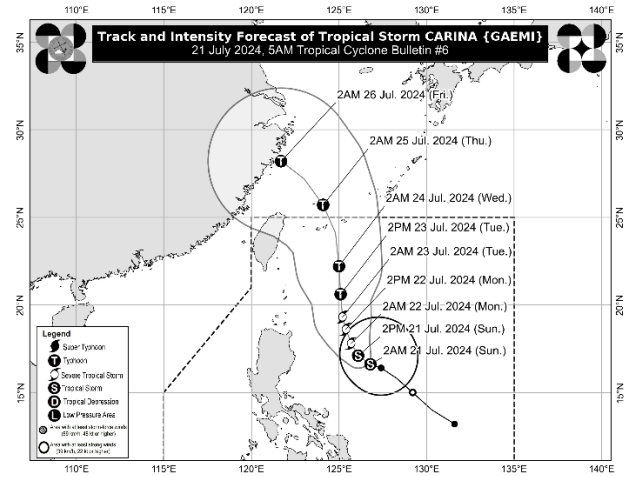
Maximum sustained winds of **75 km/h** near the center, gustiness of up to **90 km/h**, and central pressure of **998 hPa**

**Present Movement**

**West Northwestward at 10 km/h**

**Extent of Tropical Cyclone Winds**

**Strong to gale-force winds** extend outwards up to **320 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> 2:00 PM 21 July 2024	17.1	126.1	465 km East of Tuguegarao City, Cagayan	85	TS	NW 10
<b>24-Hour Forecast</b> 2:00 AM 22 July 2024	17.8	125.7	420 km East of Tuguegarao City, Cagayan	95	STS	NNW Slowly
<b>36-Hour Forecast</b> 2:00 PM 22 July 2024	18.6	125.4	400 km East of Aparri, Cagayan	100	STS	NNW 10
<b>48-Hour Forecast</b> 2:00 AM 23 July 2024	19.3	125.2	390 km East of Calayan, Cagayan	110	STS	NNW Slowly
<b>60-Hour Forecast</b> 2:00 PM 23 July 2024	20.6	125.1	325 km East of Basco, Batanes	120	TY	N 10
<b>72-Hour Forecast</b> 2:00 AM 24 July 2024	22.2	125.0	365 km East Northeast of Itbayat, Batanes	140	TY	N 15
<b>96-Hour Forecast</b> 2:00 AM 25 July 2024	25.7	124.1	595 km North Northeast of Itbayat, Batanes (OUTSIDE PAR)	155	TY	NNW 15
<b>120-Hour Forecast</b> 2:00 AM 26 July 2024	28.2	121.7	825 km North of Extreme Northern Luzon (OUTSIDE PAR)	155	TY	NW 15

Prepared by: *RPG*

Checked by: *RBB*

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

No Wind Signal hoisted at this time.

**OTHER HAZARDS AFFECTING LAND AREAS**

**Heavy Rainfall Outlook**

**Forecast accumulated rainfall: Tomorrow (22 July)**

- **50-100 mm:** The northeastern portion of mainland Cagayan and the eastern portion of Babuyan Islands

**Forecast accumulated rainfall: Tuesday (23 July)**

- **100-200 mm:** Batanes
- **50-100 mm:** Babuyan Islands

**Forecast rainfall are generally higher in elevated or mountainous areas.** Under these conditions, **flooding and rain-induced landslides are possible** especially in areas that are highly or very highly susceptible to these hazards as identified in official hazard maps and in localities that experienced considerable amounts of rainfall for the past several days.

Furthermore, the enhanced Southwest Monsoon will bring moderate to intense rainfall over various localities in the western portion of Luzon tomorrow through Tuesday. For more information, refer to Weather Advisory No. 22 issued at 11:00 PM yesterday.

**Severe Winds**

The hoisting of Wind Signal No. 1 over Extreme Northern Luzon and northeastern portion of mainland Cagayan is not ruled out, possibly by tonight or tomorrow in anticipation of strong winds associated with CARINA.

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

- Today (21 July): Kalayaan Islands
- Tomorrow (22 July): Zambales, Bataan, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, Western Visayas
- Tuesday (23 July): Ilocos Region, Zambales, Bataan, Aurora, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, and Western Visayas.

**HAZARDS AFFECTING COASTAL WATERS**

In the next 24 hours, CARINA and the enhanced Southwest Monsoon will bring moderate seas over the coastal waters along the northern seaboard of Northern Luzon (1.0-2.5 m), the western seaboard of Central and Southern Luzon (1.0-2.5 m), and the eastern seaboard of the country (1.0-2.5 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.**

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Republic of the Philippines  
 DEPARTMENT OF SCIENCE AND TECHNOLOGY  
**Philippine Atmospheric, Geophysical and Astronomical  
 Services Administration (PAGASA)**  
 Weather Division



Management  
 System  
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### TRACK AND INTENSITY OUTLOOK

- Over the Philippine Sea, CARINA is forecast to move generally northwestward today and tomorrow (22 July), then northward on Tuesday (23 July). On the track forecast, CARINA will remain far from the Philippine landmass and exit the Philippine Area of Responsibility on Wednesday (24 July) while moving near the islands in the Ryukyu archipelago. Outside the PAR, CARINA will turn generally northwestward on Thursday (25 July) over the East China Sea, passing near or over Senkaku Islands.
- CARINA is forecast to steadily intensify over the next four days due to favorable environment. It is forecast to become a severe tropical storm by tomorrow and reach typhoon category on Tuesday. **Rapid intensification within the forecast period is possible.**

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 11:00 AM today.

**DOST-PAGASA**

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