



# TROPICAL CYCLONE BULLETIN NR. 17

## Typhoon CARINA (GAEMI)

Issued at 11:00 PM, 23 July 2024

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

### TYPHOON “CARINA” MAINTAINS ITS STRENGTH WHILE OVER THE SEA EAST 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 Northeast of Basco, Batanes** or **320 km Northeast of Itbayat, Batanes (22.4°N, 124.4°E)**

#### Intensity

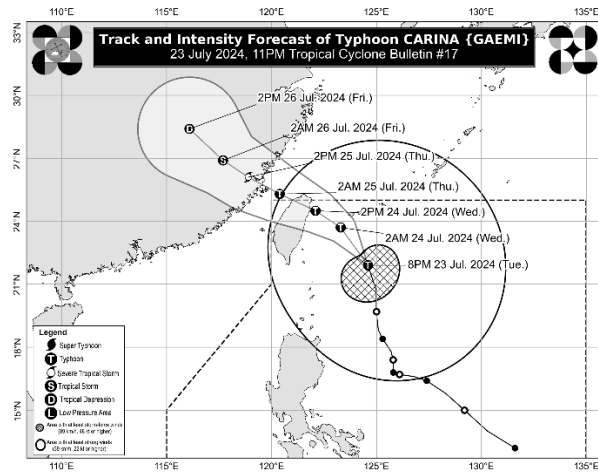
Maximum sustained winds of **150 km/h** near the center, gustiness of up to **185 km/h**, and central pressure of **960 hPa**

#### Present Movement

**North Northwestward at 25 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 24 July 2024	23.7	123.3	360 km North Northeast of Itbayat, Batanes	155	TY	NNW 20
<b>24-Hour Forecast</b> 8:00 PM 24 July 2024	24.5	122.1	415 km North of Itbayat, Batanes	165	TY	NW 15
<b>36-Hour Forecast</b> 8:00 AM 25 July 2024	25.3	120.4	525 km North Northwest of Itbayat, Batanes (OUTSIDE PAR)	130	TY	WNW 15
<b>48-Hour Forecast</b> 8:00 PM 25 July 2024	26.1	118.9	665 km North Northwest of Itbayat, Batanes or in the vicinity of Fuzhou City, Fujian, China (OUTSIDE PAR)	95	STS	WNW 15
<b>60-Hour Forecast</b> 8:00 AM 26 July 2024	26.9	117.7	800 km North Northwest of Itbayat, Batanes or in the vicinity of Nanping City, Fujian, China (OUTSIDE PAR)	75	TS	NW 10
<b>72-Hour Forecast</b> 8:00 PM 26 July 2024	28.4	116.1	1,025 km North Northwest of Extreme Northern Luzon or in the vicinity of Nanchang City, Jiangxi, China (OUTSIDE PAR)	55	TD	NW 20



## TROPICAL CYCLONE BULLETIN NR. 17

### Typhoon **CARINA (GAEMI)**

Issued at 11:00 PM, 23 July 2024

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

TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
<b>2</b>  Wind threat: <b>Gale-Force winds</b>	<b>Batanes</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>		
<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
<p><b><u>Heavy Rainfall Outlook</u></b></p> <p><b>Forecast accumulated rainfall: From today to tomorrow (24 July) evening</b></p> <ul style="list-style-type: none"><li><b>50-100 mm:</b> Batanes and Babuyan Islands</li></ul> <p><b>Forecast rainfall are generally higher in elevated or mountainous areas.</b> Under these conditions, <b>flooding and rain-induced landslides are possible</b> 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.</p> <p>Furthermore, the Southwest Monsoon enhanced by CARINA will bring moderate to intense rainfall over various localities in the western portion of Luzon today through Friday. For more information, refer to Weather Advisory No. 28 issued at 11:00 PM today.</p> <p><b><u>Severe Winds</u></b></p> <p><b>The wind signals warn the public of the general wind threat</b> 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.</p> <ul style="list-style-type: none"><li><b>Minor to moderate impacts</b> from strong winds are possible within any of the localities where Wind Signal No. 2 is hoisted.</li><li><b>Minimal to minor impacts</b> from strong winds are possible within any of the areas under Wind Signal No. 1.</li></ul> <p>The Southwest Monsoon enhanced by CARINA will also bring <b>strong to gale-force gusts</b> over the following areas (especially in coastal and upland areas exposed to winds):</p> <ul style="list-style-type: none"><li><b>Tonight and tomorrow:</b> Babuyan Islands, Ilocos Region, Abra, Benguet, Nueva Vizcaya, Quirino, Central Luzon, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, Visayas, Zamboanga Peninsula, and Northern Mindanao.</li><li><b>Thursday (25 July):</b> Batanes, Babuyan Islands, Ilocos Region, Cordillera Administrative Region, Nueva Vizcaya, Quirino, Central Luzon, Metro Manila, CALABARZON, MIMAROPA, Bicol Region, Western Visayas, Negros Occidental, and Northern Samar.</li></ul>



## TROPICAL CYCLONE BULLETIN NR. 17

### Typhoon CARINA (GAEMI)

Issued at 11:00 PM, 23 July 2024

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

#### HAZARDS AFFECTING COASTAL WATERS

- **Gale Warning is in effect over the coastal waters of Batanes, Babuyan Islands, and the northeastern portion of Cagayan.** Sea travel is risky for small seacrafts, including all types of motorbancas. For more information, refer to Gale Warning No. 2 issued at 5:00 PM today.
- In the next 24 hours, CARINA and the enhanced Southwest Monsoon will bring rough seas over the northern and eastern seaboard of Northern Luzon outside Gale Warning areas and the eastern seaboard of Central Luzon (2.5 to 4.0 m).
- Moderate to rough seas are also expected over the eastern seaboard of Southern Luzon (2.0 to 3.0 m), western seaboard of Luzon (2.0 to 3.5 m), the southern seaboard of Southern Luzon (2.0 to 3.5 m), the western and eastern seaboard of Visayas (2.0 to 3.5 m), and the eastern seaboard of Mindanao (1.5 to 2.5 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.

#### TRACK AND INTENSITY OUTLOOK

- Over the Philippine Sea, CARINA is forecast to turn northwestward tomorrow (24 July) and make landfall over the northern portion of Taiwan tomorrow afternoon or early evening. On the track forecast, the typhoon will cross the rugged terrain of Taiwan and exit the Philippine Area of Responsibility (PAR) tomorrow evening or Thursday (25 July) early morning. Outside the PAR Region, CARINA will cross the Taiwan Strait and make its final landfall over southeastern China on Thursday morning or early afternoon.
- CARINA is forecast to steadily intensify and may reach its peak intensity prior to its landfall over Taiwan due to favorable environment. Its landfall over northern Taiwan will trigger a weakening trend for the rest 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**