



TROPICAL CYCLONE BULLETIN NO. 20

Typhoon BETTY (MAWAR)

Issued at 11:00 PM, 31 May 2023

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

TYPHOON BETTY CONTINUES MOVE NORTHWARD OVER THE SEA EAST OF TAIWAN

Location of Center (10:00 PM)

The center of the eye of Typhoon BETTY was estimated based on all available data at **450 km East Northeast of Itbayat, Batanes (22.8°N, 125.6°E)**

Intensity

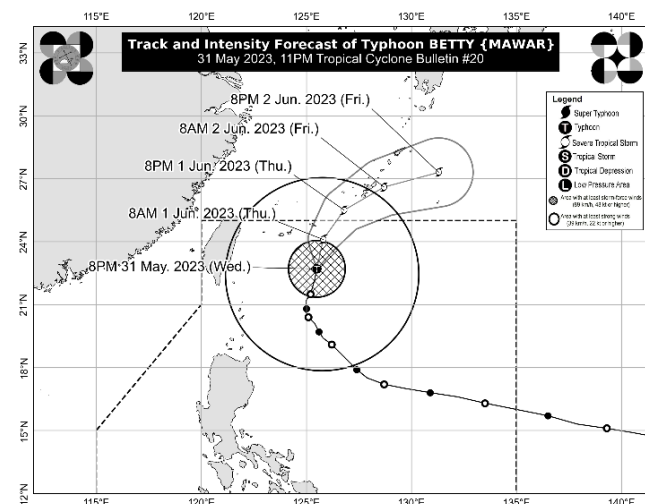
Maximum sustained winds of **120 km/h** near the center, gustiness of up to **150 km/h**, and central pressure of **970 hPa**

Present Movement

Northward at 10 km/h

Extent of Tropical Cyclone Winds

Strong to typhoon-force winds extend outwards up to **550 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. | |
| 12-Hour Forecast 8:00 AM 01 June 2023 | 24.1 | 125.8 | 550 km Northeast of Itbayat, Batanes | 110 | STS | N 15 |
| 24-Hour Forecast 8:00 PM 01 June 2023 | 25.5 | 126.8 | 730 km Northeast of Itbayat, Batanes (OUTSIDE PAR) | 110 | STS | NNE 15 |
| 36-Hour Forecast 8:00 AM 02 June 2023 | 26.6 | 128.7 | 955 km Northeast of Extreme Northern Luzon (OUTSIDE PAR) | 100 | STS | ENE 20 |
| 48-Hour Forecast 8:00 PM 02 June 2023 | 27.3 | 131.3 | 730 km Northeast of Itbayat, Batanes (OUTSIDE PAR) | 95 | STS | ENE 20 |

TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT

| TCWS No. | Luzon | Visayas | Mindanao |
|---|----------------|---------|----------|
| 1 Wind threat: Strong winds | Batanes | - | - |
| Warning lead time: 36 hours Range of wind speeds: 39 to 61 km/h (Beaufort 6 to 7) Potential impacts of winds: Minimal to minor threat to life and property | | | |



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HAZARDS AFFECTING LAND AREAS

Heavy Rainfall Outlook

Forecast accumulated rainfall from tonight to tomorrow evening

- **50-100 mm:** La Union, Benguet, Ilocos Sur, and the southern portion of Abra

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

For more information on the areas affected by occasional to frequent rains from the Southwest Monsoon enhanced by BETTY, refer to the Weather Advisory #6 for Southwest Monsoon issued at 11:00 PM today

Severe Winds

- **Wind Signal in Babuyan Islands has been lifted.** Should there be no significant changes in the track or extent of tropical cyclone winds of BETTY, all remaining wind signals may be lifted by tomorrow.
- Minimal to minor impacts from strong winds (i.e., strong breeze to near gale strength) are also possible within any of the areas where Wind Signal No.1 is currently in effect.
- In the next 24 hours, the **enhanced Southwest Monsoon** will bring **occasional to frequent wind gusts** over northern Cagayan including Babuyan Islands, Ilocos Region, Cordillera Administrative Region, Central Luzon, Metro Manila, CALABARZON, Bicol Region, MIMAROPA, Western Visayas, Northern Samar and the northern portion of Samar.

HAZARDS AFFECTING COASTAL WATERS

Under the influence of Typhoon BETTY and the enhanced Southwest Monsoon, a **marine gale warning remains in effect** over the northern seaboard of Northern Luzon, the eastern seaboard of Luzon and Visayas, and the western seaboard of Southern Luzon. For more information, refer to **Gale Warning #9 issued at 5:00 PM today**.

TRACK AND INTENSITY OUTLOOK

- Typhoon BETTY will gradually accelerate throughout the forecast period. After moving northward or north northeastward between tonight and tomorrow, the typhoon will then turn east northeastward as it makes a close approach or landfall over the central Ryukyu Islands (i.e., Okinawa Is.). On the track forecast, BETTY will be outside the Philippine Area of Responsibility (PAR) by tomorrow evening or on Friday early morning.
- BETTY is forecast to steadily weaken throughout the forecast period due to cooler ocean waters (caused by upwelling of cooler waters in its wake), dry air intrusion, and increasing vertical wind shear. The typhoon may be downgraded into a severe tropical storm tomorrow and into a tropical storm on Saturday, although a faster weakening rate remains a possibility.

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

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