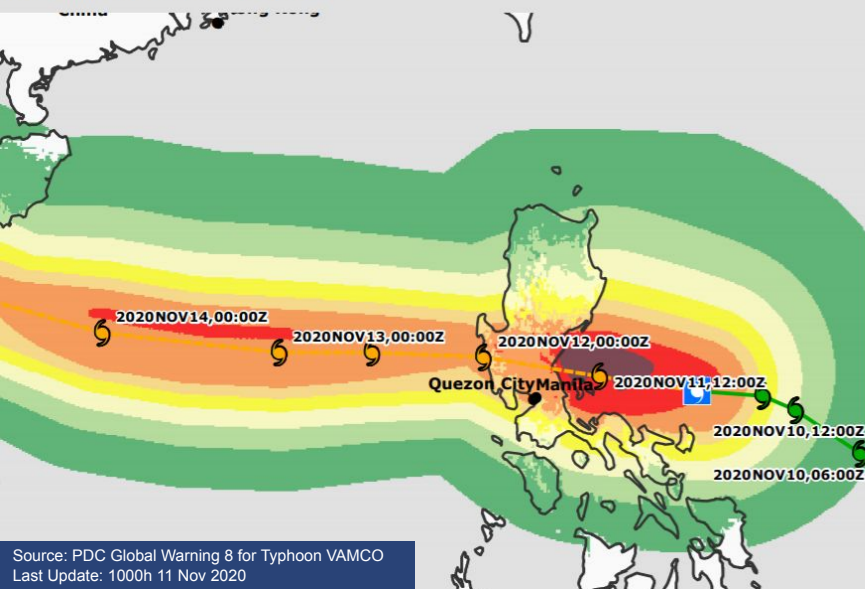


TYPHOON "VAMCO" PHILIPPINES FLASH UPDATE #1



ONE ASEAN ONE RESPONSE

Estimated Wind Impacts

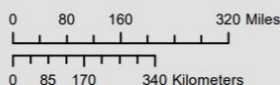


Tropical Cyclone Positions

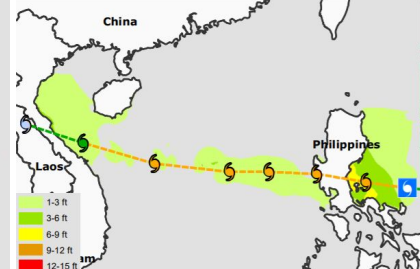
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

Est Wind Impacts (TAOS)

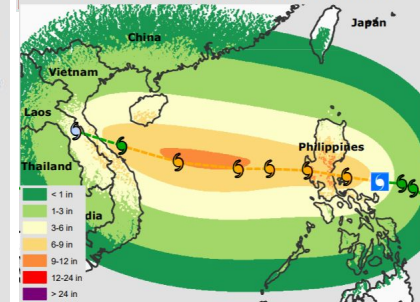
- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage



Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



Source: PDC Global Warning 8 for Typhoon VAMCO
Last Update: 1000h 11 Nov 2020

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ESTIMATED EXPOSURE

33.4 Million
ESTIMATED POPULATION EXPOSED

6.31 Million
ESTIMATED HOUSEHOLDS EXPOSED

\$233 Billion
ESTIMATED REPLACEMENT VALUE OF BUILDINGS AND INFRASTRUCTURE

21.5% RESIDENTIAL
40.6% SERVICE
15.7% INDUSTRIAL
22.2% SCHOOLS
<1% HOSPITALS

Philippines

- **Location:** As of 1200h of 11 Nov 2020, the centre of the eye of Typhoon VAMCO (local name: ULYSSES) was located based on all available data at **125 km North Northwest of Virac, Catanduanes** or **95 km Northeast of Daet, Camarines Norte** (14.6 °N, 123.7 °E) ([PAGASA](#)).
- **Strength:** Maximum sustained winds of **135 km/h** (equivalent to a **Category 1** hurricane in the Saffir-Simpson Hurricane Wind Scale) near the centre and gustiness of up to 165 km/h. Further, Typhoon VAMCO may reach its peak intensity of 130-155 km/h (equivalent to a Category 1 to 2 hurricane) prior to landfall ([PAGASA](#)).
- **Movement:** Moving Westward at 20 km/h. On the forecast track, Typhoon VAMCO will move generally westward throughout the forecast period and pass over the seas north of Camarines Provinces between this afternoon and evening. The centre of Typhoon VAMCO is forecast to make **landfall over Poillo Islands and mainland Quezon between tonight and tomorrow early morning**. Afterwards, Typhoon VAMCO will cross Central Luzon and emerge over the western seaboard of Zambales tomorrow morning ([PAGASA](#)).
- **Estimated Impacts ([PDC Global](#)):**
 - An estimated **19.1 million people, 3.61 million households, and \$126 billion USD of infrastructure*** are potentially exposed to moderate to severe damaging winds. **total replacement cost*
 - Winds strong enough to cause **moderate damages** are expected over most of **Central Luzon and Metro Manila**, as can be seen in the Estimate Wind Impacts map of the Pacific Disaster Center. Based on the Estimated Tropical Cyclone Rainfall map, most areas are forecasted to receive **at most 228.6 mm** of 5-day cumulative rainfall. Some areas however are forecasted to receive as much as 304.8 mm.
 - All shorelines in the path of the storm are exposed to potential storm surge (at most 2.7 m), and inland areas within the proximity of the typhoon are exposed to potential flooding and landslide.
- The Philippine Atmospheric, Geophysical and Astronomical Services Administration ([PAGASA](#)) raised **Tropical Cyclone Wind Signal (TCWS) No. 3** on the provinces of Quirino, Nueva Vizcaya, Pangasinan, Nueva Ecija, Aurora, Tarlac, Zambales, Bataan, Pampanga, Bulacan, Rizal, Cavite, Laguna, Quezon, Batangas, Catanduanes, Camarines Norte, Camarines Sur, and Metro Manila.
- The National Disaster Risk Reduction and Management ([NDRRM](#)) Operations Center maintains its **RED Alert Status** as the Philippines is continuing its emergency response due to Super Typhoon GONI. Meanwhile, the Department of Social Welfare and Development ([DSWD](#)) maintains a **total prepositioned stockpiles and standby funds** amounting to **\$16.6 million USD**.
- The AHA Centre will continue to monitor for further developments and provide additional updates as they become available from official sources.

DATA SOURCES

ASEAN Disaster Monitoring & Response System (DMRS); Pacific Disaster Center (PDC Global); Joint Typhoon Warning Center (JTWC)

Philippines: NDRRMC, PAGASA, DSWD

Verified news media agencies

DISCLAIMER

The AHA Centre was established in November 2011 by the Association of Southeast Asian Nations (ASEAN) Member States to facilitate cooperation and coordination among the Member States, relevant agencies of the United Nations, and international organisations in disaster management and humanitarian assistance.

The use of boundaries, geographic names, related information and potential considerations for response are for reference, not warranted to be error free or implying official endorsement from ASEAN Member States.

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