

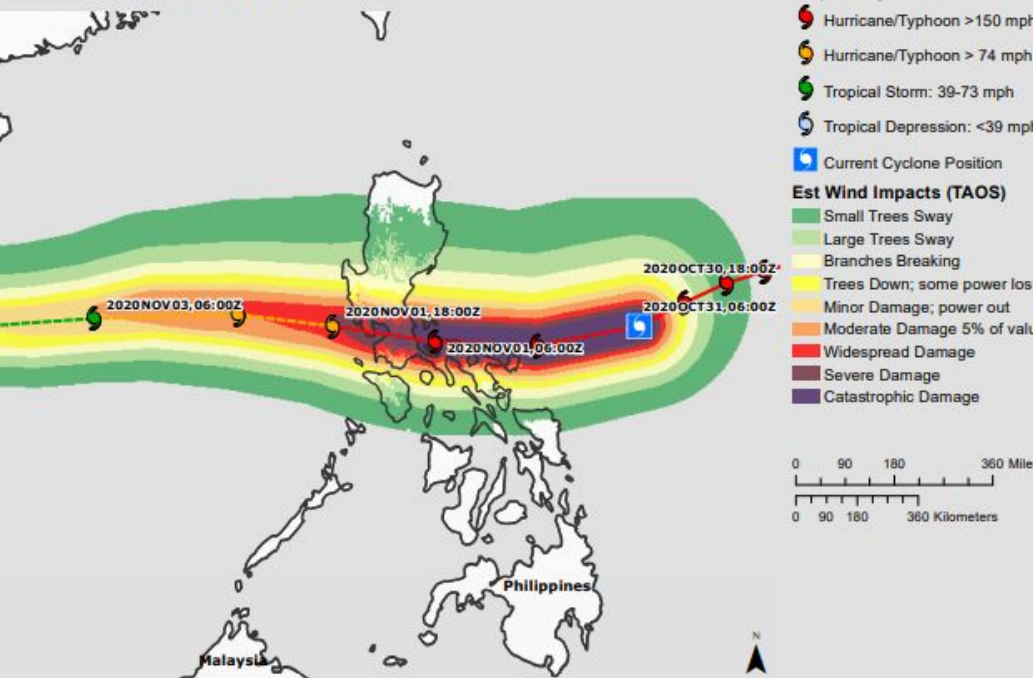
## Super Typhoon Goni - Estimated Impacts

Warning 14, 31 October 2020 0900 UTC

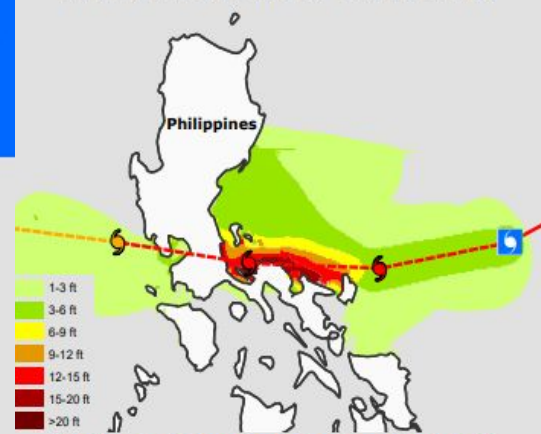


JTWC Summary: SUPER TYPHOON 22W (GONI), LOCATED APPROXIMATELY 383 NM EAST OF MANILA, PHILIPPINES, HAS TRACKED WEST-SOUTHWESTWARD AT 13 KNOTS OVER THE PAST SIX HOURS. MAXIMUM SIGNIFICANT WAVE HEIGHT AT 310600Z IS 60 FEET. NEXT WARNINGS AT 311500Z, 312100Z, 010300Z AND 010900Z.

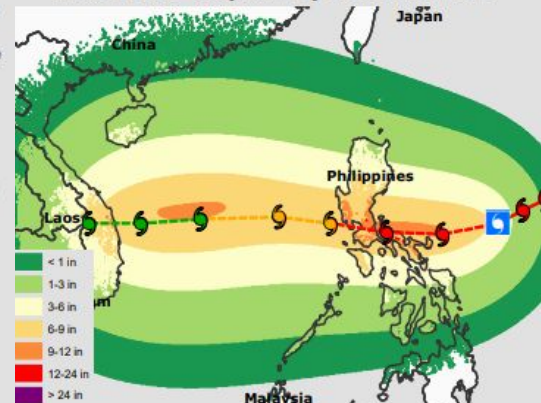
### Estimated Wind Impacts



### Estimated Still Water Storm Surge



### Estimated Tropical Cyclone Rainfall



## ESTIMATED IMPACTS

Note: Estimations are based on data reported/confirmed by National Disaster Management Organisations of the respective ASEAN Member State and other verified sources

**37.3 Million**  
ESTIMATED POPULATION EXPOSED

**7.04 Million**  
ESTIMATED HOUSEHOLDS EXPOSED

**\$236 Billion**  
USD ESTIMATED TOTAL REPLACEMENT VALUE OF BUILDINGS AND INFRASTRUCTURE

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

### Philippines

- According to the Philippine Atmospheric, Geophysical and Astronomical Services Administration ([PAG-ASA](#)), at 1500 HRS UTC+7 of 31 Oct 2020, the eye of **Typhoon GONI** (local name "ROLLY") was located based on all available data at 345 km East Northeast of Virac, Catanduanes (14.5 °N, 127.3 °E).
- Based on [PAG-ASA](#), which follows the World Meteorological Organization (WMO) standard for classifying tropical cyclones (using 10-minute average of maximum sustained winds), **GONI** remains a "Typhoon" and is equivalent to a **Category 4 hurricane** on the Saffir-Simpson scale. On the other hand, **GONI** is a "Super Typhoon" based on the Joint Typhoon Warning Center ([JTWC](#)), which uses 1-minute maximum sustained winds as basis, and is equivalent to a Category 5 hurricane.
- The cyclone has maximum sustained winds of **215 km/h near the center and gustiness of up to 265 km/h** and is **moving West Southwestward at 25 km/h** ([PAG-ASA](#)) and is expected to weaken over the next 24 hours ([JTWC](#)). However, the storm's actual position may shift significantly over the next few hours. [PAG-ASA](#) forecasts **GONI** to remain as a typhoon as it passes over Catanduanes/Camarines provinces, while [JTWC](#) forecasts **GONI** to **make landfall within the next 24 hours** as a Category 5 hurricane, along the shores of/near Camarines Norte.
- An estimated **35.7 million people (6.74 million households) and \$232 billion (USD) of infrastructure** (total replacement value) are potentially exposed to **moderate to severe damaging winds** (with damage expected closer to the shores).
- According to [PDC-Global](#), winds that may potentially cause catastrophic damage can be expected in the typhoon's path. **Storm surge of up to 6 m** can be expected in the coasts of Camarines provinces and **up to 4.6 m** in the coasts of Catanduanes and Quezon provinces. It is estimated that the typhoon will bring **230-300 mm of rainfall** in the regions of Metro Manila, Bicol, CALABARZON, and Central Luzon.
- The Philippine Institute of Volcanology and Seismology ([PHIVOLCS](#)) has issued **advisories for potential lahar and mudflow** for areas near the following volcanoes: (1) Mayon in Bicol Region, (2) Taal in CALABARZON, and (3) Pinatubo in Central Luzon.
- Response Capacity of the Philippines:**
  - The **National Disaster Risk Reduction and Management Operations Center** maintains its **RED Alert Status** and is continuously monitoring and ensuring the dissemination of advisories; **Pre-emptive evacuation** is currently on-going
  - [DSWD](#) Relief Capacity: **Standby Funds: ~6.2 million USD; Family Food Packs: ~252K (~2.3 million USD); Other Food Items: ~3.8 million USD; and Non-Food Items: ~5.8 million USD**
- The AHA Centre is on heightened preparedness for potential response and is coordinating with the NDRRMC Philippines; the AHA Centre shall continue to monitor the situation for further development and will issue necessary updates.

#### DATA SOURCES

ASEAN Disaster Monitoring & Response System (DMRS); Pacific Disaster Center (PDC Global); Joint Typhoon Warning Center (JTWC); World Meteorological Organization (WMO); Philippines: NDRRMC, DSWD, PAGASA, PHIVOLCS; 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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Our mailing address is: AHA Centre, GRAHA BNPB 13<sup>th</sup> Floor, Jl. Raya Pramuka Kav. 38, Jakarta 13120 Indonesia