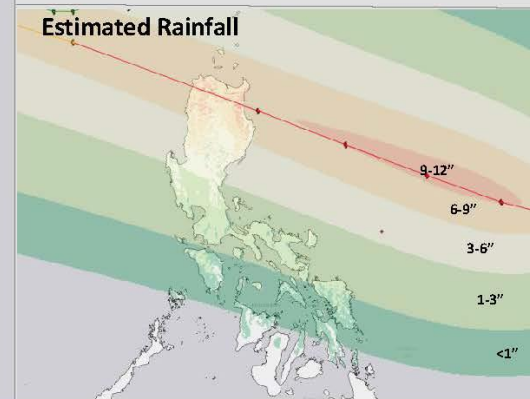
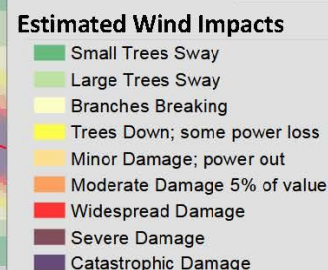
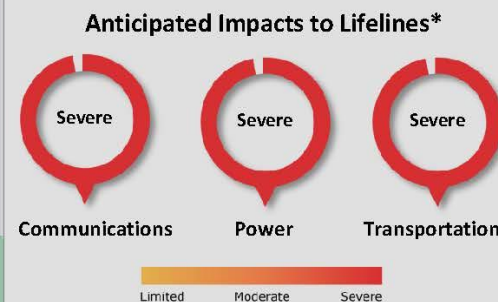
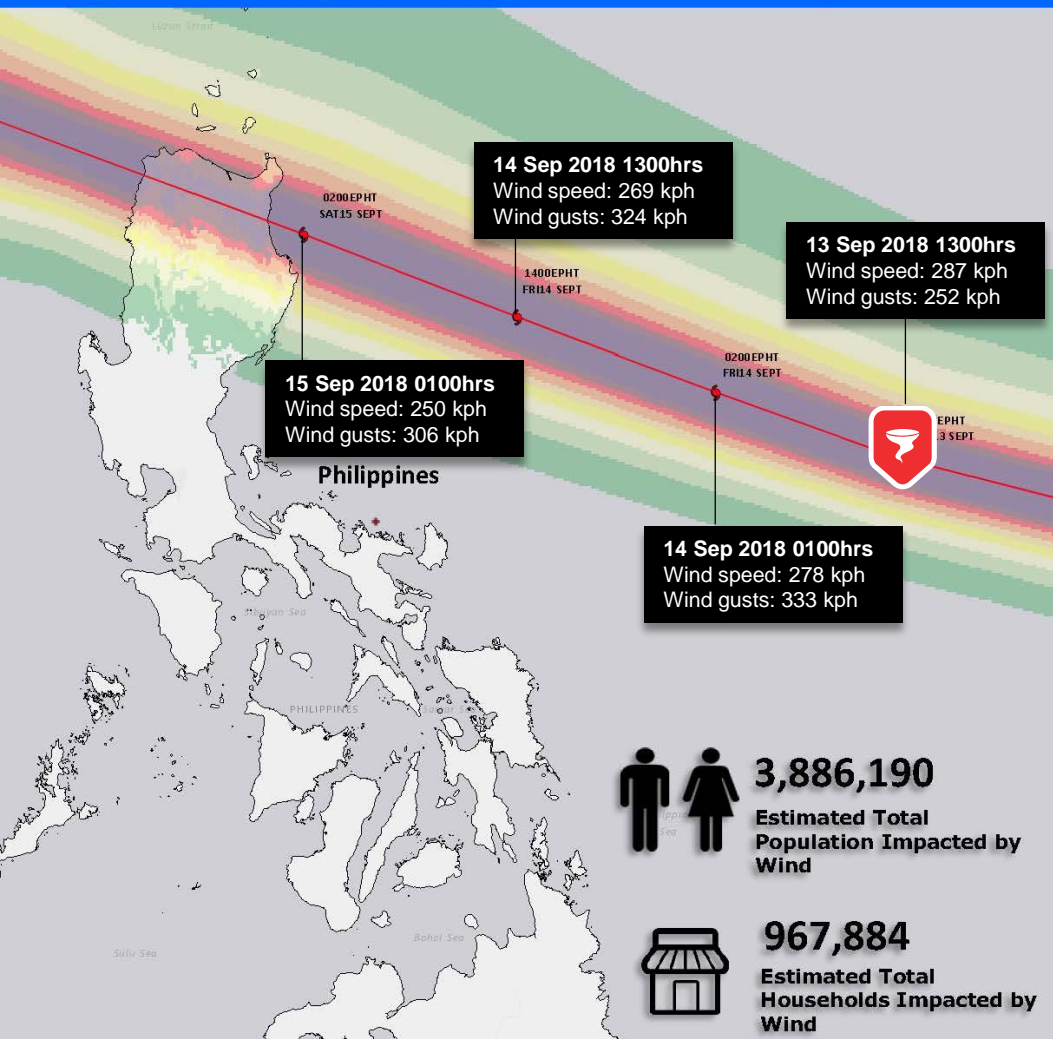


Hurricane Mangkhut – Wind Exposure and Anticipated Impacts to Lifelines  
Philippines (Advisory 24- 12 September 2018 2100UTC)



**3,886,190**  
Estimated Total  
Population Impacted by  
Wind

**967,884**  
Estimated Total  
Households Impacted by  
Wind

\*Anticipated impacts are experimental and should be used For Planning Purposes Only. Severity of damage will vary throughout the impacted area. Anticipated Impacts are based on Advisory 24.  
© 2015-2018 Pacific Disaster Center (PDC) – All rights reserved. Commercial use is permitted only with explicit approval of PDC | <https://emopns.pdc.org> | [response@pdc.org](mailto:response@pdc.org) | Data: PDC, NWS, Kinetic Analysis Corporation (TAOS Model), US Census 2010

Philippines

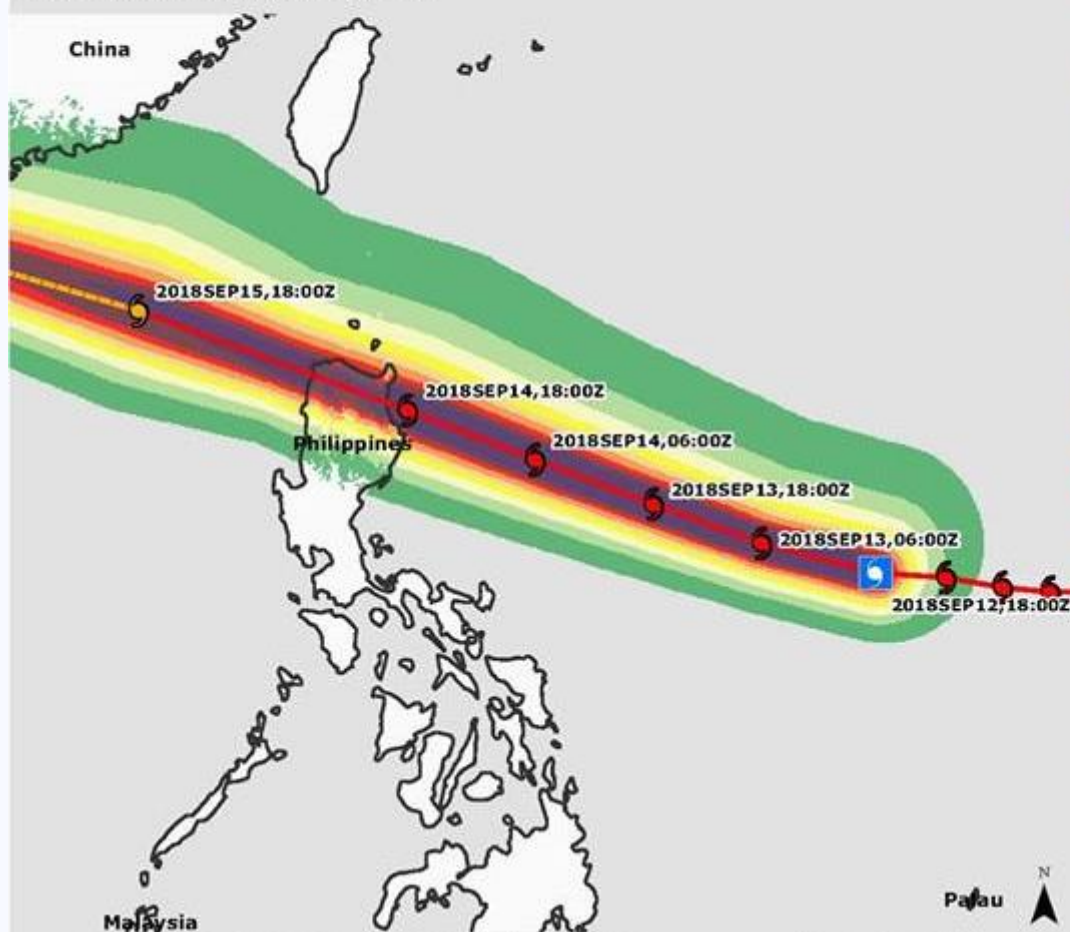
- [PAGASA](#) mentioned that the typhoon continues threaten Northern Luzon and is expected to make landfall in the northern tip of Cagayan on 15 Sep 2018 early morning.
- Currently the storm has slightly accelerated from 20km/h to 30km/h moving westward while maintaining its strength.
- Fishermen with small seacrafts are advised against venturing out to sea (particularly northern seaboard of Northern Luzon, eastern seaboard of Visayas and Mindanao)
- Estimated population directly affected by the typhoon: **3,886,190 people** and **967,884 households**
- [NDRRMC](#) has been maintaining contact and constant communication with the Humanitarian Country Team Clusters through joint meeting.
- A total of 356,349 family food packs across 17 regions; including food and non-food items amounting to PHP 710,825,555 (USD 13,131,699) have been prepositioned.
- A total of PHP 872,003,147 (USD 16,160,398) are funds on standby for Department of Social Welfare Central Office and concerned Field Offices.
- Besides continuous monitoring and dissemination of updates and warnings, the authorities have also taken to assisting villagers in reinforcing structures, securing assets and establishing lifelines in preparation for the storm.

**Super Typhoon Mangkhut - Estimated Impacts**  
Warning 24, 12 September 2018 2100 UTC



PDC-26W-24A  
JTWC Summary: SUPER TYPHOON 26W (MANGKHUT), LOCATED APPROXIMATELY 668 NM EAST OF MANILA, PHILIPPINES, HAS TRACKED WESTWARD AT 15 KNOTS OVER THE PAST SIX HOURS. MAXIMUM SIGNIFICANT WAVE HEIGHT AT 121800Z IS 43 FEET. NEXT WARNINGS AT 130300Z, 130900Z, 131500Z AND 132100Z.

**Estimated Wind Impacts**

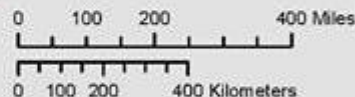


**Tropical Cyclone Positions**

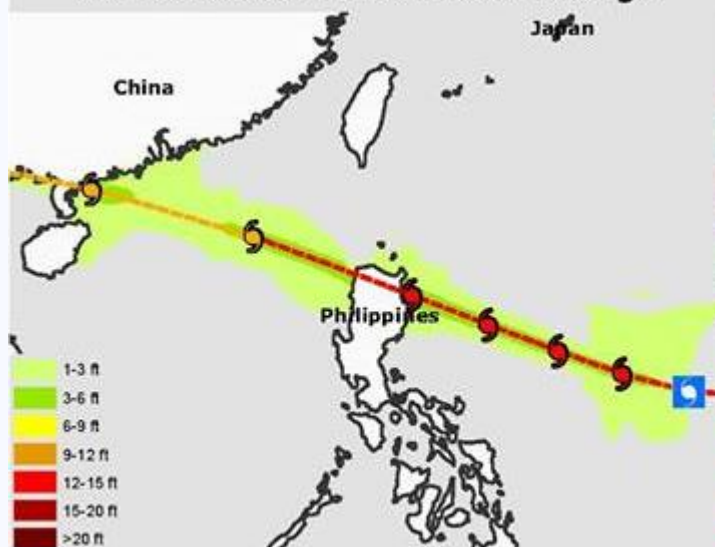
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

**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

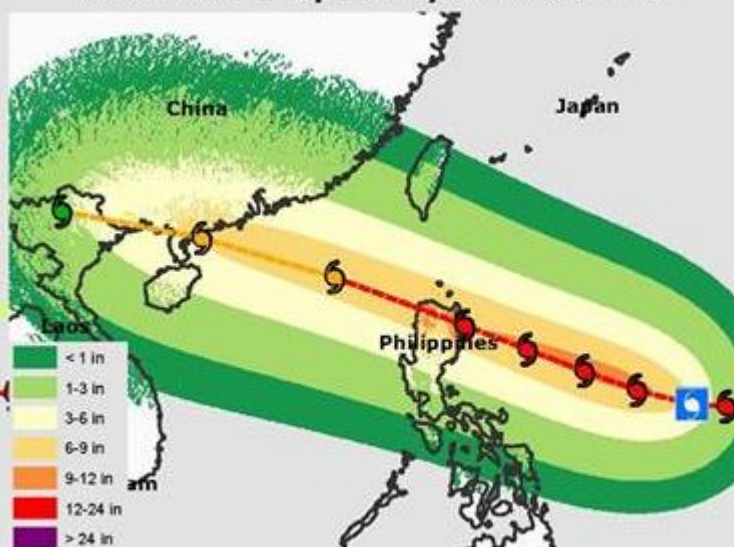


**Estimated Still Water Storm Surge**



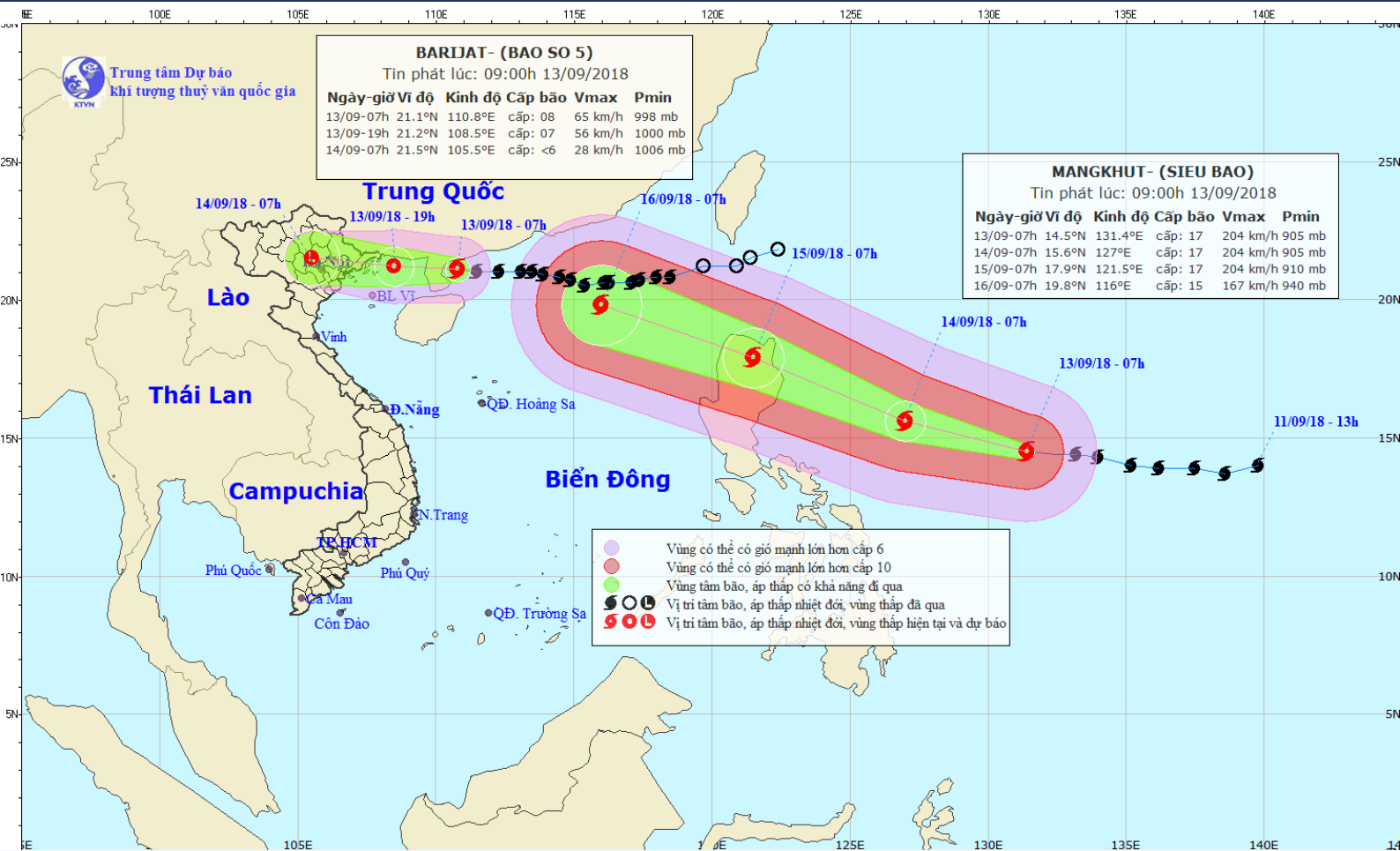
- 1-3 ft
- 3-6 ft
- 6-9 ft
- 9-12 ft
- 12-15 ft
- 15-20 ft
- >20 ft

**Estimated Tropical Cyclone Rainfall**



- < 1 in
- 1-3 in
- 3-6 in
- 6-9 in
- 9-12 in
- 12-24 in
- > 24 in

Pacific Disaster Center | 9/12/2018 | <http://www.pdc.org> | [response@pdc.org](mailto:response@pdc.org) | Data: NOAA, TAOS Estimated Wind Impacts forecasted by Kinetic Analysis Corporation, ESRI  
The delineation of political boundaries, and associated data shown here do not imply endorsement by the Pacific Disaster Center.



### Viet Nam

- [CCNDPC](#) is expecting Tropical Storm Barijat (Bao So) to make landfall in Viet Nam by 14 Sep 2018 morning. The National Committee for Rescue of Disaster and Search and Rescue is currently preparing to respond provinces from Quang Ninh to Quang Nam (northern region bordering China)
- Water management is currently being carried out to regulate the water levels in the reservoirs in anticipation to the heavy rainfall.
- CCNDPC is also preparing for Typhoon Mangkhut as it continues to move westward and likely to make landfall in Viet Nam between 17 and 18 Sep 2018.
- According to the forecast, the Northern Provinces of Viet Nam is expected to be impacted
- [National Meteorology and Hydrological Forecasting Centre](#) is currently tracking and expecting Tropical Storm Barijat (Bao So) to make landfall Quang Ninh and Hai Phong provinces with strong winds before weakening into a low pressure area. Currently the storm is moving at 15-20km/h westwards and will continue to maintain speed.
- Moderate to heavy rain is expected over the Northeast region between the evening of 13 Sep and morning of 14 Sep 2018. Landslides and flash floods are expected over the hilly and mountainous region.
- Storm surges are also expected over the Gulf of Tonkin as the storm passes through. Sea vessels are advised against going out to sea.

