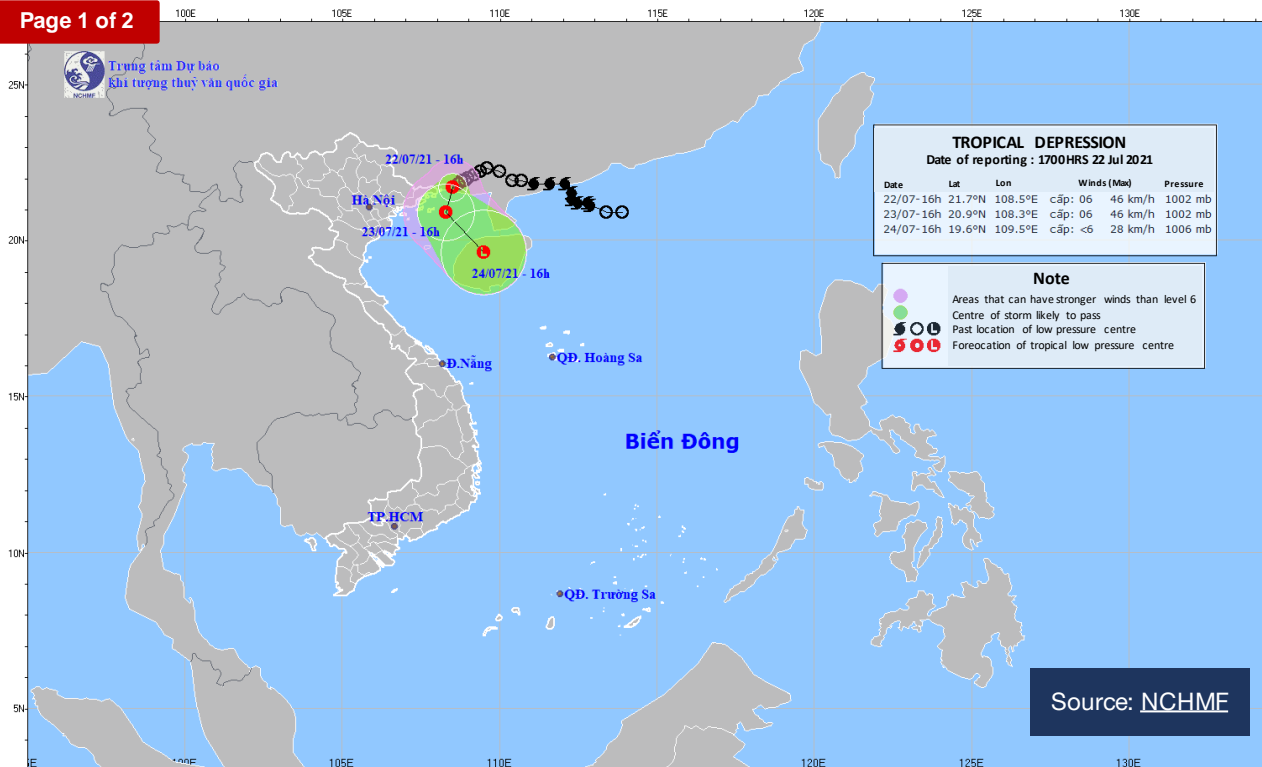


THURSDAY
22 JUL 2021
2000 HRS UTC +7

TROPICAL DEPRESSION CEMPAKA VIET NAM FLASH UPDATE #1



Page 1 of 2

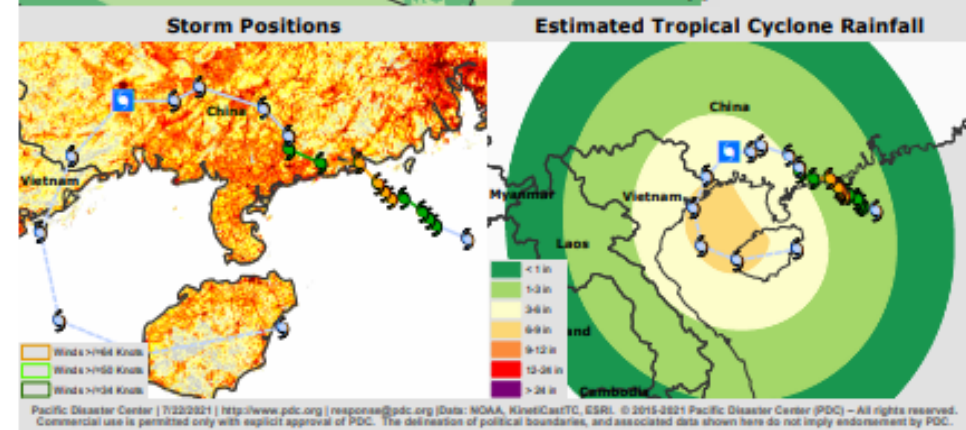
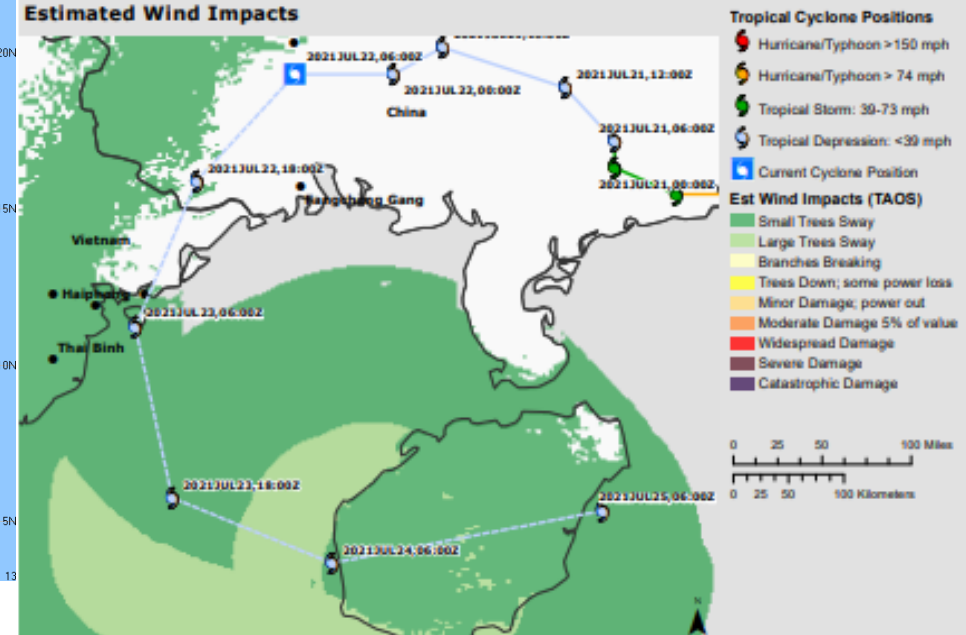


Tropical Depression Cempaka - Estimated Impacts

Warning 16, 22 July 2021 0900 UTC

PDCC-1009-16A

JTWC Summary: TROPICAL DEPRESSION 10W (CEMPAKA), LOCATED APPROXIMATELY 165 NM NORTHEAST OF HANOI, VIETNAM, HAS TRACKED WEST- SOUTHWESTWARD AT 06 KNOTS OVER THE PAST SIX HOURS. NEXT WARNINGS AT 221500Z, 222100Z, 230300Z AND 230900Z.



KEY FIGURES

*Exposed to LIMITED SEVERITY as per DMRS and PDC-Global; Disclosure(s). Estimations are based on data reported/confirmed by National Disaster Management Organisations of the respective ASEAN Member State (The Viet Nam Disaster Management Authority (VNDMA)) and other verified sources

- 7.92M** ESTIMATED POPULATION EXPOSED*
- 2.47M** ESTIMATED HOUSEHOLDS EXPOSED*
- \$191B** CAPITAL EXPOSED* (BUILDINGS AND INFRASTRUCTURE)

23.6% 45.1 BILLION RESIDENTIAL

31% 59.3 BILLION SERVICE

33.3% 63.6 BILLION INDUSTRIAL

12% 22.9 BILLION SCHOOLS

0.1% 234 MILLION HOSPITALS

20% 1,567,759 CHILDREN AGE 0-14

70% 5,556,927 ADULTS AGE 15-64

10% 803,178 ELDERLY AGE 65+

URBAN POPULATION: 2,931,959 | RURAL POPULATION: 4,995,906

DATA SOURCES
ASEAN Disaster Monitoring & Response System (DMRS); Pacific Disaster Center (PDC Global); Viet Nam: NCHME; 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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Viet Nam

- **OVERVIEW:** According to Viet Nam's National Centre for Hydro-Meteorological Forecasting ([NCHMF](#)), as of 1600 HRS UTC +7, 22 July, the centre of the tropical depression was at about 21.7 degrees North latitude; 108.5 degrees East longitude, right on the southern coast of Guangxi province (China), about 60 km northeast of Mong Cai (Quang Ninh).
- **INTENSITY:** Strongest winds of the tropical depression was measured at 40-50 km/h extending at about 50 km from the centre ([NCHMF](#)). Meanwhile, according to the Pacific Disaster Center ([PDC-Global](#)), **Tropical Depression Cempaka** has maximum sustained winds of 46 km/h, and wind gusts up to 65 km/h.
- **MOVEMENT:** Over the next 24 hours, [NCHMF](#) and [PDC-Global](#) agree that the tropical depression is seen to head West-southwest at about 5-11 km/h and is expected to retain its current strength.
- **FORECAST:** Over the next 24 to 48 hours, the tropical depression is likely to change direction and move to the Southeast, traveling 5-10 km/h and weakening into a low pressure area ([NCHMF](#)).
- **IMPACTS:** [NCHMF](#) has issued **warnings for strong wind and big waves** at sea over the Gulf of Tonkin. [NCHMF](#) also issued **heavy rain warnings** for the North region, Northeast region, island districts of Co To and Bach Long Vi (100-250 mm), Thanh Hoa and Thua Thien Hue (50-150 mm), and Nghe An (up to 200 mm). [PDC-Global](#) forecasts that winds strong enough to make small trees sway can affect parts of Viet Nam that is in the tropical depression's path. Additionally, at most 152.4-228.6 mm of tropical depression associated rainfall was also forecast for parts of Viet Nam in the tropical depression's path. For the extended forecast, models indicate that **7.92M people, 2.47M households, and \$191B worth of buildings and infrastructure** (replacement value) are exposed or within 100 km of the tropical depression. All shorelines in the path of the storm are exposed to potential storm surge, and inland areas within the proximity of the storm are exposed to potential flooding.
- The AHA Centre will continue to monitor and issue necessary updates once more information from official sources becomes available.