

Typhoon Rai - Estimated Impacts

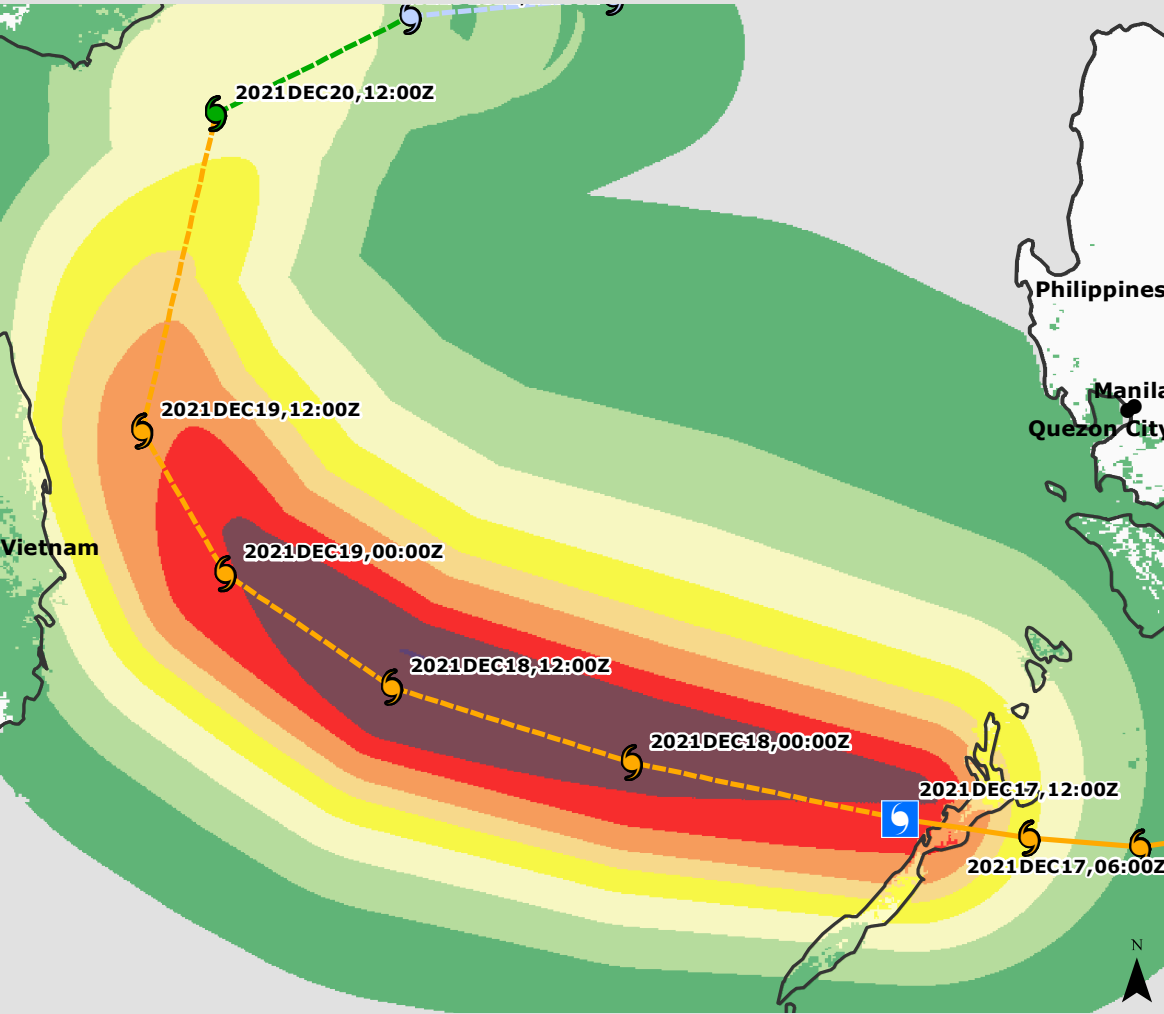
Warning 19, 17 December 2021 1500 UTC



PDC-28W-19A

JTWC Summary: TYPHOON 28W (RAI), LOCATED APPROXIMATELY 297 NM SOUTH- SOUTHWEST OF MANILA, PHILIPPINES, HAS TRACKED WESTWARD AT 14 KNOTS OVER THE PAST SIX HOURS. MAXIMUM SIGNIFICANT WAVE HEIGHT AT 171200Z IS 24 FEET. NEXT WARNINGS AT 172100Z, 180300Z, 180900Z AND 181500Z.

Estimated Wind Impacts

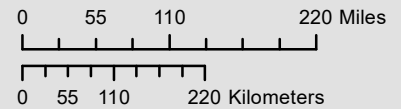


Tropical Cyclone Positions

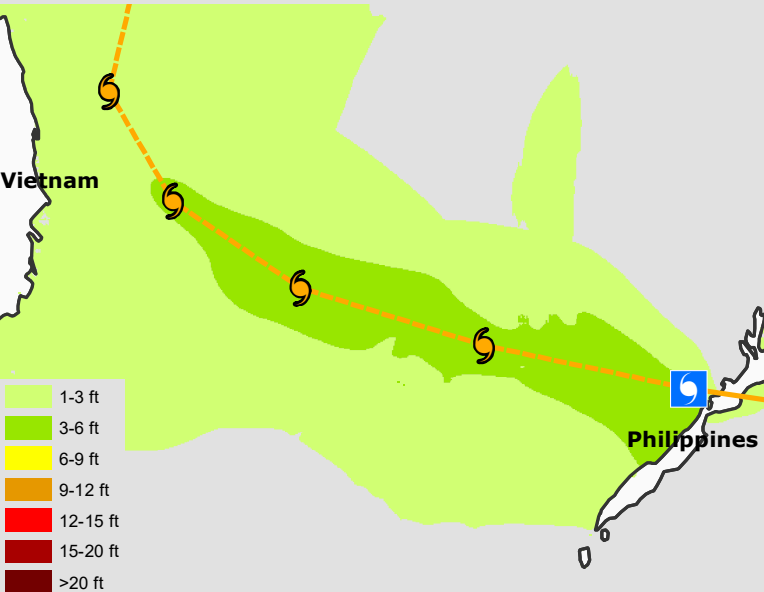
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

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

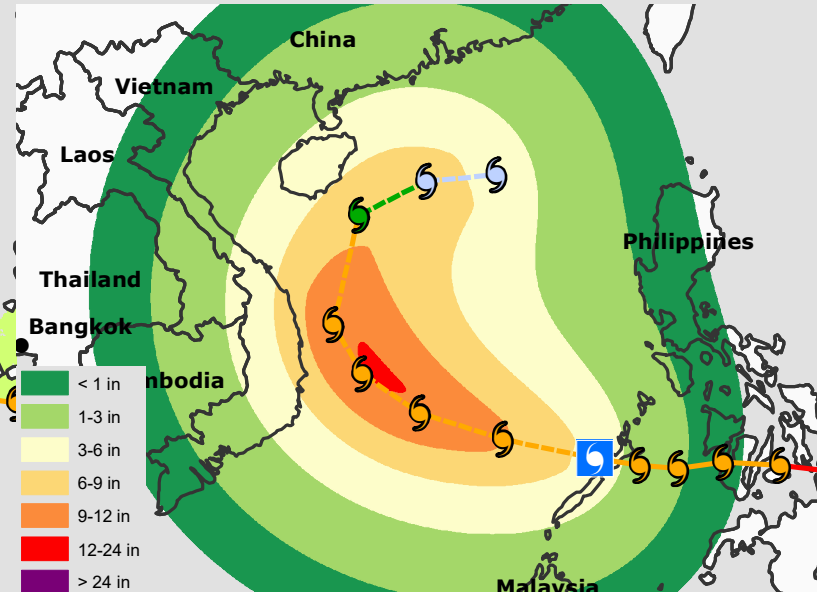


Estimated Still Water Storm Surge



- 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