

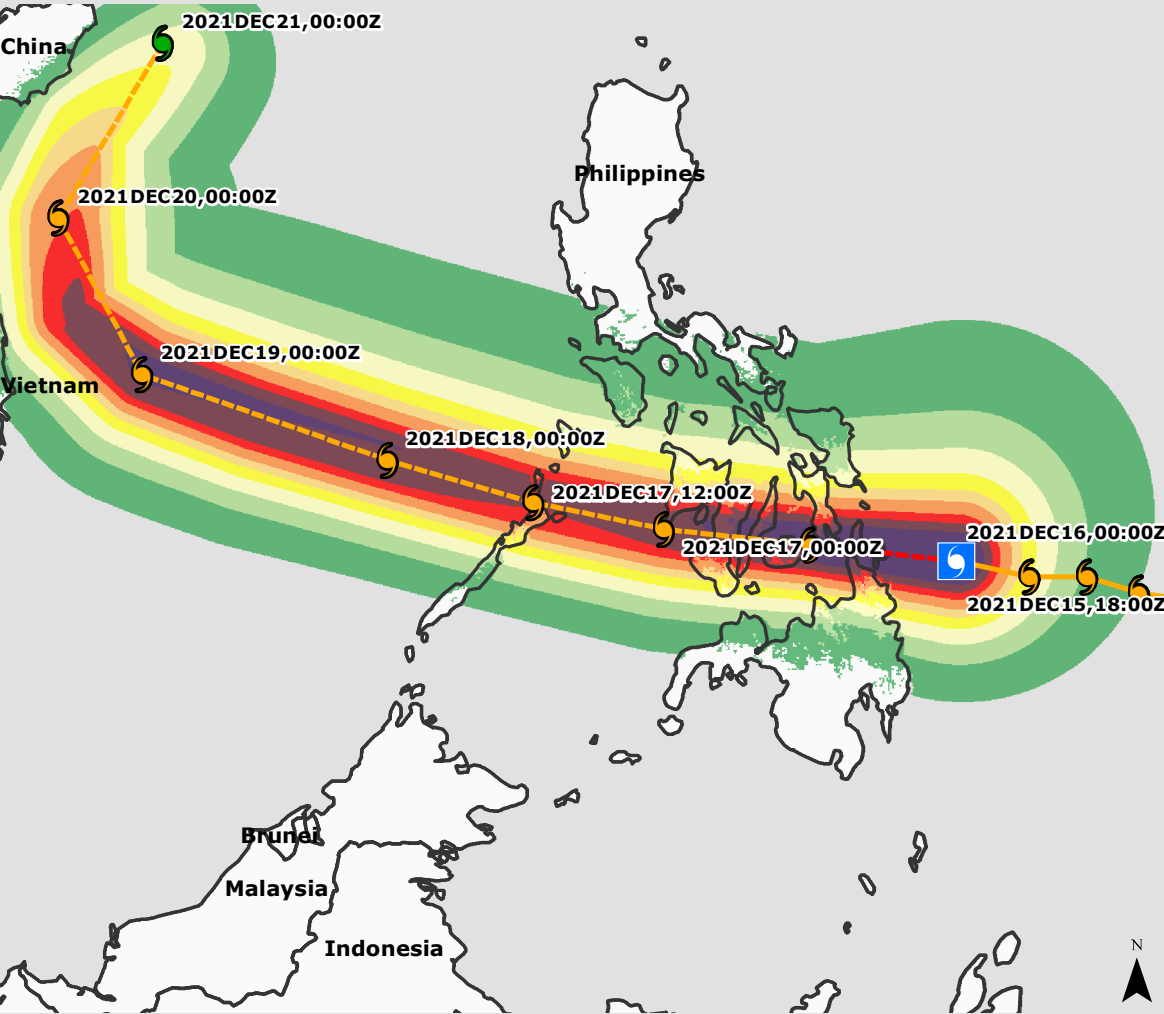
# Super Typhoon Rai - Estimated Impacts

Warning 13, 16 December 2021 0300 UTC

PDC-28W-13A

JTWC Summary: SUPER TYPHOON 28W (RAI), LOCATED APPROXIMATELY 481 NM SOUTHEAST OF MANILA, PHILIPPINES, HAS TRACKED WESTWARD AT 14 KNOTS OVER THE PAST SIX HOURS. MAXIMUM SIGNIFICANT WAVE HEIGHT AT 160000Z IS 48 FEET. NEXT WARNINGS AT 160900Z, 161500Z, 162100Z AND 170300Z.

## Estimated Wind Impacts

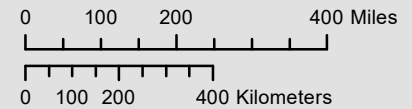


### Tropical Cyclone Positions

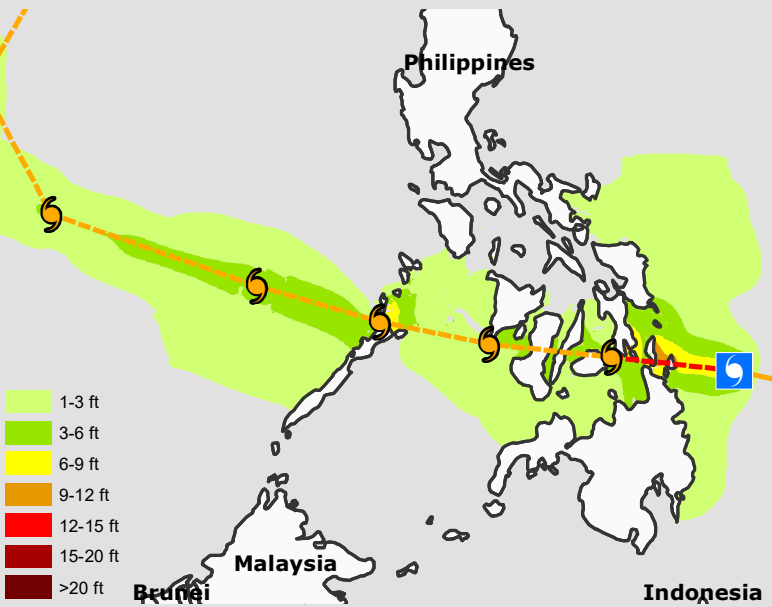
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

### 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

