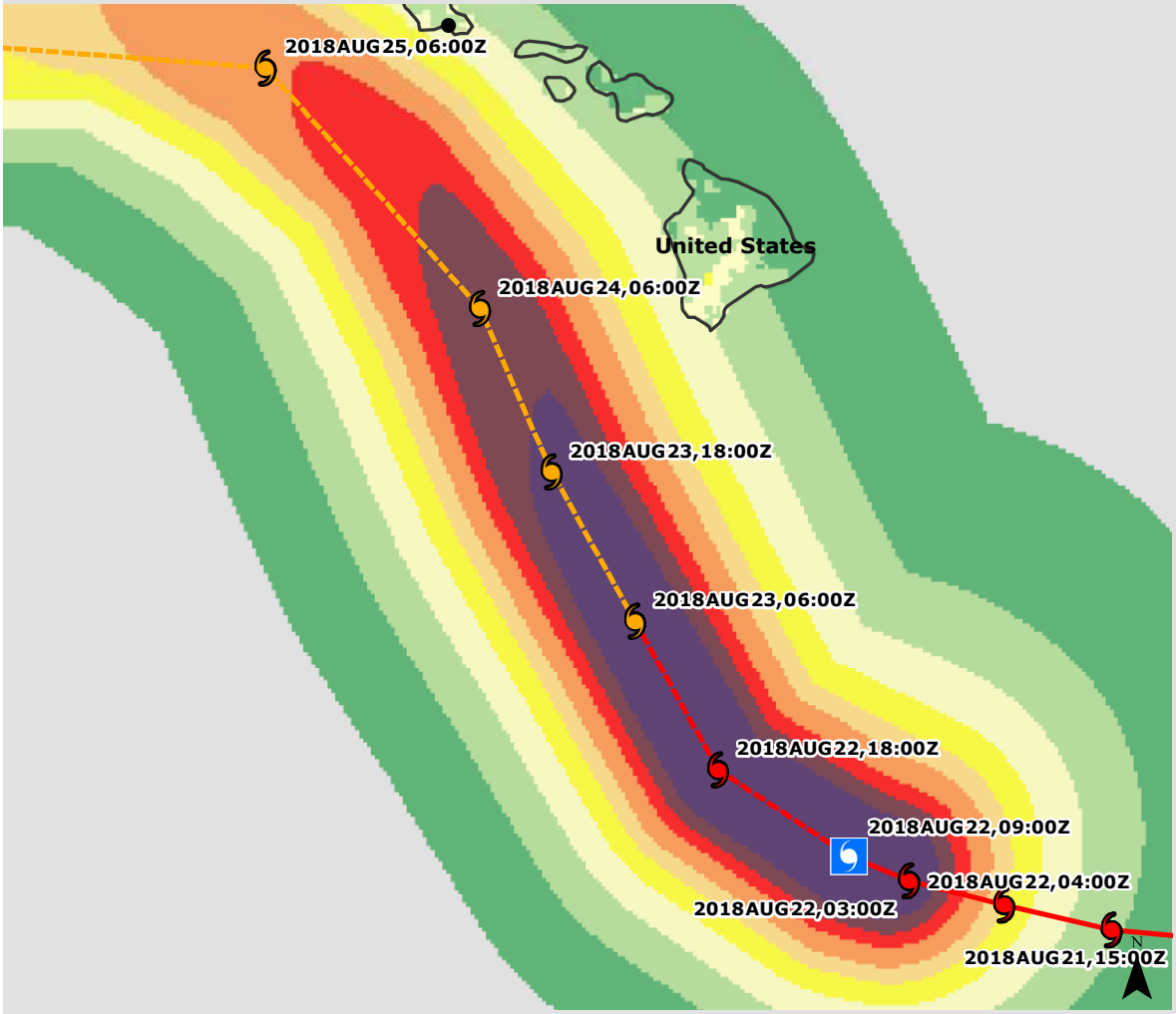
Hurricane Lane - Estimated Impacts

Advisory 31, 22 August 2018 0900 UTC

PDC-14E-31A

NWS Summary: At 1100 PM HST (0900 UTC), the center of Hurricane Lane was located near latitude 14.7 North, longitude 154.5 West. Lane is moving toward the west-northwest near 9 mph (15 km/h) and this motion is expected to continue tonight. A turn toward the northwest is expected on Wednesday, followed by a turn to the north-northwest on Thursday. On the forecast track, the center of Lane will move very close to or over the main Hawaiian Islands from Thursday through Saturday. Maximum sustained winds are near 160 mph (260 km/h) with higher gusts. Lane is a category 5 hurricane on the Saffir-Simpson Hurricane Wind Scale. Slow weakening is forecast during the next 48 hours, but Lane is forecast to remain a dangerous hurricane as it draws closer to the Hawaiian Islands. Hurricane-force winds extend outward up to 40 miles (65 km) from the center and tropical-storm-force winds extend outward up to 140 miles (220 km). The estimated minimum central pressure is 930 mb (27.47 inches).

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

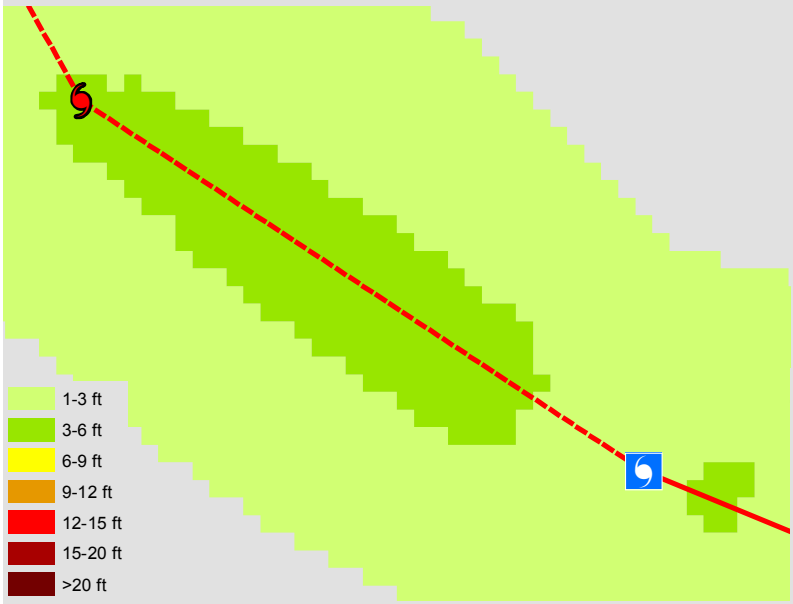
Est Wind Impacts (TAOS)

- 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

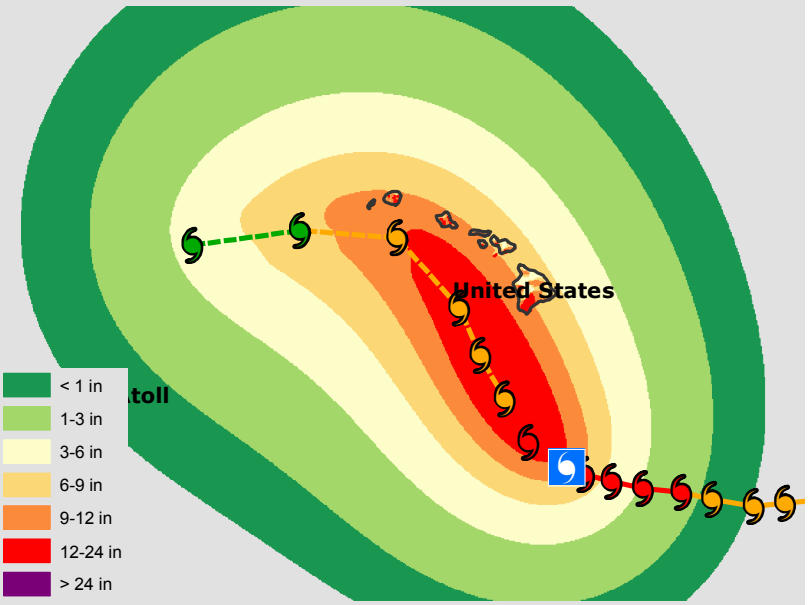
0 40 80 160 Miles

0 40 80 160 Kilometers

Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



The delineation of political boundaries, and associated data shown here do not imply endorsement by the Pacific Disaster Center.