Storm Analysis
As of 8/25/2018 06:00 HST water levels across the Hawaiian Islands remain elevated above normal tide levels. Water levels range between 0.3 and 0.7 feet above tidal predictions.

The strongest winds are presently being observed at Nawiliwili (Kaua'i) and Mokuoloe (O'ahu) with winds around 20 kts and gusts up to 30 kts measured over the last several hours. Winds of 5 to 10 kts with gusts up to 15 knots are
being measured on the islands of Maui and Hawai'i. Barometric pressure has stabilized across the islands.

Water Level and Meteorological plots available below are updated automatically. A line denoting **Mean Higher High Water** (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional real-time and historical inundation information for select stations affected by this storm, please visit Coastal Inundation Dashboard. For additional data, please see the Center for Operational Oceanographic Products & Services website.

For more information or archived products and reports, please visit the **Storm QuickLook** Homepage.

Analyst: LAH

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Select Central Pacific Hurricane Center Advisory Information:

Tropical Storm Lane Advisory Number 45  
NWS Central Pacific Hurricane Center Honolulu HI  
500 AM HST Sat Aug 25 2018  

...LANE MOVING SLOWLY SOUTH OF THE WESTERN HAWAIIAN ISLANDS...

WATCHES AND WARNINGS  
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CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning has been discontinued for Hawaii County.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...  
* Oahu  
* Maui County...including the islands of Maui, Lanai, Molokai and Kahoolawe

A Tropical Storm Watch is in effect for...  
* Kauai County...including the islands of Kauai and Niilhau

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area.

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area.

Interests in the Northwestern Hawaiian Islands should monitor the progress of Tropical Storm Lane.

For storm information specific to your area, please monitor products issued by the National Weather Service office in Honolulu Hawaii.

DISCUSSION AND OUTLOOK  
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At 500 AM HST (1500 UTC), the center of Tropical Storm Lane was located near latitude 19.8 North, longitude 158.4 West. Lane is moving toward the north near 3 mph (6 km/h), and this motion is expected to continue this morning. This will likely be followed by a turn toward the west with an increase in forward speed starting later today or tonight. This westward motion is forecast to continue through Sunday. On the forecast track, the center of Lane will pass south of Kauai and Niihau later today and tonight.

Maximum sustained winds are near 60 mph with higher gusts. Some weakening is forecast during the next 48 hours.

Tropical-storm-force winds extend outward up to 125 miles from the center.

The estimated minimum central pressure is 995 mb (29.39 inches).

HAZARDS AFFECTING LAND
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WIND: Tropical storm conditions are still expected in and near outer rain bands that will affect Oahu and Maui County today. Tropical storm conditions are possible on Kauai starting later today.

RAINFALL: Lane's outer rain bands will produce excessive rainfall this weekend, which could lead to additional flash flooding and landslides. Lane is expected to produce additional rain accumulations of 5 to 10 inches in some areas. Localized storm total amounts well in excess of 40 inches have already been observed along the windward side of the Big Island.

SURF: Large swells generated by Lane will impact the Hawaiian Islands. These swells will produce high surf along exposed south and east shorelines today.

NEXT ADVISORY
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Next intermediate advisory at 800 AM HST. Next complete advisory at 1100 AM HST.

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Last Observed Sample: 08/25/2018 05:24 (HST). Data relative to MHHW
  Observed: -1.15 ft. Predicted: -1.60 ft. Residual: 0.45 ft.
  Historical Maximum Water Level: Jul 24 2017, 1.54 ft.
  Next High Tide: 08/25/2018 15:08 (HST), 0.29 ft.

Last Observed Sample: 08/25/2018 05:24 (HST)
  Wind Speed: 4 knots  Gusts: 5 knots  Direction: 218° T
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI

Last Observed Sample: 08/25/2018 05:24 (HST)
Barometric Pressure: 1012.2 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Last Observed Sample: 08/25/2018 05:12 (HST). Data relative to MHHW
Observed: -0.60 ft. Predicted: -1.22 ft. Residual: 0.62 ft.
Historical Maximum Water Level: Dec 15 2016, 1.33 ft.
Next High Tide: 08/25/2018 15:55 (HST), 0.14 ft.
NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Last Observed Sample: 08/25/2018 05:12 (HST)

Wind Speed: 2 knots  Gusts: 3 knots  Direction: 72° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Last Observed Sample: 08/25/2018 05:12 (HST)
Barometric Pressure: 1010.9 mb
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

Last Observed Sample: 08/25/2018 05:24 (HST). Data relative to MHHW
Observed: -1.49 ft. Predicted: -1.81 ft. Residual: 0.32 ft.
Historical Maximum Water Level: Aug 21 2017, 1.33 ft.
Next High Tide: 08/25/2018 14:36 (HST), 0.30 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Wind Speed / Gusts / Direction

Last Observed Sample: 08/25/2018 05:24 (HST)
Wind Speed: 5 knots Gusts: 9 knots Direction: 18° T
Barometric Pressure

Last Observed Sample: 08/25/2018 05:24 (HST)
Barometric Pressure: 1010.9 mb

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

Last Observed Sample: 08/25/2018 05:30 (HST). Data relative to MHHW
Observed: -1.20 ft. Predicted: -1.82 ft. Residual: 0.62 ft.
Historical Maximum Water Level: Aug 21 2017, 1.47 ft.
Next High Tide: 08/25/2018 14:43 (HST), 0.14 ft.
Last Observed Sample: 08/25/2018 05:30 (HST)
Wind Speed: 8 knots Gusts: 20 knots Direction: 94° T

Last Observed Sample: 08/25/2018 05:30 (HST)
Barometric Pressure: 1011.9 mb
NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Last Observed Sample: 08/25/2018 05:24 (HST). Data relative to MHHW

- Observed: -0.52 ft. Predicted: -1.10 ft. Residual: 0.58 ft.
- Next High Tide: 08/25/2018 15:52 (HST), 0.24 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Wind Speed / Gusts / Direction

Last Observed Sample: 08/25/2018 05:24 (HST)

- Wind Speed: 4 knots
- Gusts: 8 knots
- Direction: 118° T
NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Barometric Pressure

Last Observed Sample: 08/25/2018 05:24 (HST)
Barometric Pressure: 1011.1 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

Last Observed Sample: 08/25/2018 05:30 (HST). Data relative to MHHW
Observed: -0.71 ft. Predicted: -1.12 ft. Residual: 0.41 ft.
Historical Maximum Water Level: Sep 11 1992, 3.15 ft.
Next High Tide: 08/25/2018 15:41 (HST), 0.18 ft.
Last Observed Sample: 08/25/2018 05:30 (HST)
Wind Speed: 19 knots  
Gusts: 24 knots  
Direction: 66° T

Barometric Pressure: 1012.5 mb
### Latest Water Level Observations on MHHW

<table>
<thead>
<tr>
<th>Station ID</th>
<th>Station Name</th>
<th>Date/Time</th>
<th>Observed Water Level</th>
<th>Predicted Tide</th>
<th>Residual Water Level</th>
<th>24 Hour Maximum Storm Tide</th>
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<tbody>
<tr>
<td>1617760</td>
<td>Hilo, Hilo Bay, Kuhio Bay, HI</td>
<td>08/25/2018 05:24 (HST)</td>
<td>-1.15 ft</td>
<td>-1.60 ft</td>
<td>0.45 ft</td>
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<td>Kawaihae, HI</td>
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<td>-1.22 ft</td>
<td>0.62 ft</td>
<td>0.81 ft</td>
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<td>0.82 ft</td>
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<tr>
<td>1612340</td>
<td>Honolulu, HI</td>
<td>08/25/2018 05:24 (HST)</td>
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<td>0.90 ft</td>
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<tr>
<td>1611400</td>
<td>Nawiliwili, HI</td>
<td>08/25/2018 05:30 (HST)</td>
<td>-0.71 ft</td>
<td>-1.12 ft</td>
<td>0.41 ft</td>
<td>0.63 ft</td>
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</tbody>
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