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FINAL RAIN TOTALS FROM LANE FLOOD EVENT ON KAUAI AND OAHU

955 AM HST Wed Aug 29 2018

On August 27 and 28, a trailing rain band associated with the outer circulation of Tropical Depression Lane interacted with an upper atmospheric trough of low pressure and produced intense rainfall and severe flooding over parts of Kauai. Over the northern part of the island, flooding at times approached the level seen during the record-breaking flood event from April 15, 2018, especially in Wainiha Valley and Hanalei Valley. The band also produced localized heavy rain on Oahu during the early morning hours of August 28 resulting in the overflow of Kalihi Stream at Kamehameha Highway near Middle Street. Likelike Highway was also briefly closed due to flooding.

Here are some of the significant rainfall totals covering the 48-hour period from 6 AM HST August 27 through 6 AM HST August 29. All values are in inches and are preliminary pending final quality control.

Island of Kauai

Mount Waialeale (USGS)	: 34.78
North Wailua Ditch (USGS)	: 19.60
Hanalei	: 18.27
Kilohana (USGS)	: 9.62
Princeville Airport	: 9.27
Poipu	: 5.86
Omao	: 4.65

Island of Oahu

Moanalua Rain Gage (USGS)	: 9.81
Nuuanu Upper	: 8.66
Tunnel Rain Gage (USGS)	: 7.13
Manoa Lyon Arboretum	: 5.89

A volunteer observer with the Community Collaborative Rain, Hail, and Snow Network, or CoCoRaHS, reported 17.78 inches at Wainiha during the period from 7 AM HST on August 27 through 6:30 AM HST on August 29.

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Kodama

TRAILING RAIN BAND FROM LANE DRENCHES KAUAI AND OAHU
351 PM HST Tue Aug 28 2018

A trailing rain band associated with the outer circulation of Tropical Depression Lane interacted with an upper atmospheric trough of low pressure and produced intense rainfall and severe flooding over parts of Kauai on August 27-28. Over the northern part of the island, flooding at times approached the level seen during the record-breaking flood event from April 15, 2018, especially in Wainiha Valley and Hanalei Valley. The band also produced localized heavy rain on Oahu during the early morning hours of August 28 resulting in the overflow of Kalihi Stream at Kamehameha Highway near Middle Street. Likelike Highway was also briefly closed due to flooding.

Here are some of the significant rainfall totals covering the 30-hour period from 6 AM HST August 27 through noon HST August 28. All values are in inches and are preliminary pending final quality control.

Island of Kauai

Mount Waialeale (USGS)	: 23.79
North Wailua Ditch (USGS)	: 17.38
Hanalei	: 16.15
Princeville Airport	: 8.48
Kilohana (USGS)	: 8.17
Poipu	: 5.78
Omao	: 4.56

Island of Oahu

Moanalua Rain Gage (USGS)	: 9.59
Nuuanu Upper	: 8.19
Tunnel Rain Gage (USGS)	: 6.91
Manoa Lyon Arboretum	: 5.06

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