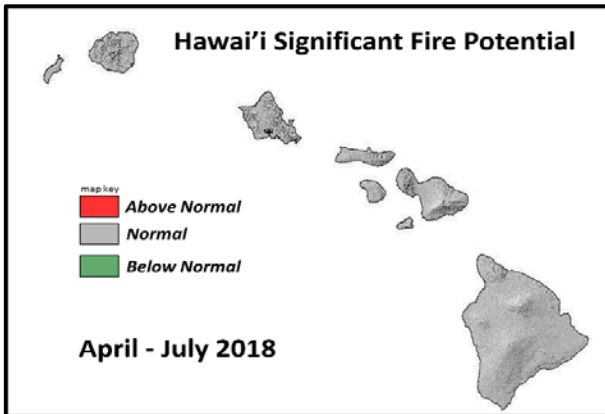




MONTHLY/SEASONAL OUTLOOK

ISSUED MARCH 30, 2018

VALID APRIL - JULY 2018



Significant Fire Potential for April - July 2018

- ### HIGHLIGHTS
- Wet weather as April begins
 - Overall, wetter than normal in April, then near normal May through July
 - Temperatures slightly above normal through July
 - Normal Significant Fire Potential through July at a time when large fire occurrence is rare
 - La Niña expected to end in the next month, then ENSO neutral conditions expected through the summer

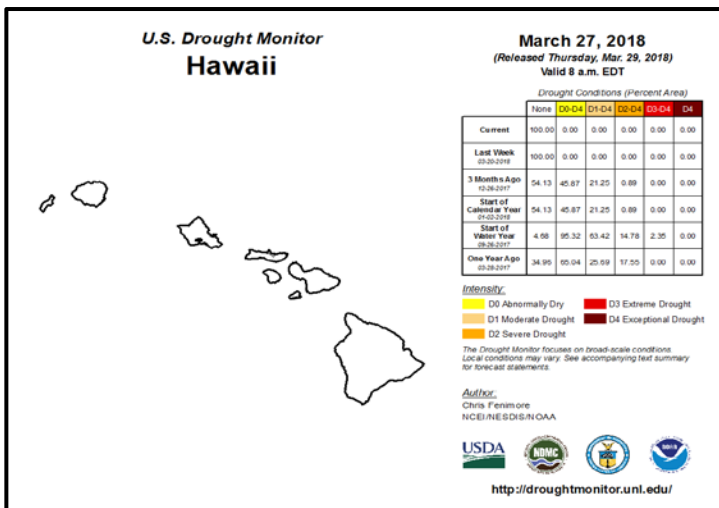


Figure 1: Drought Monitor for Hawai'i

PAST WEATHER

Rainfall was above normal across much of Hawai'i in March (Fig 2). Only central portions of the region received below normal precipitation. The wet weather in so far this year has erased all signs of drought in Hawai'i (Fig 1). Temperatures throughout the region were close to normal, with most of the region cooler than normal (Fig 3). Sea surface temperatures in the region continue very close to, but just slightly below normal (Fig 4 next page).

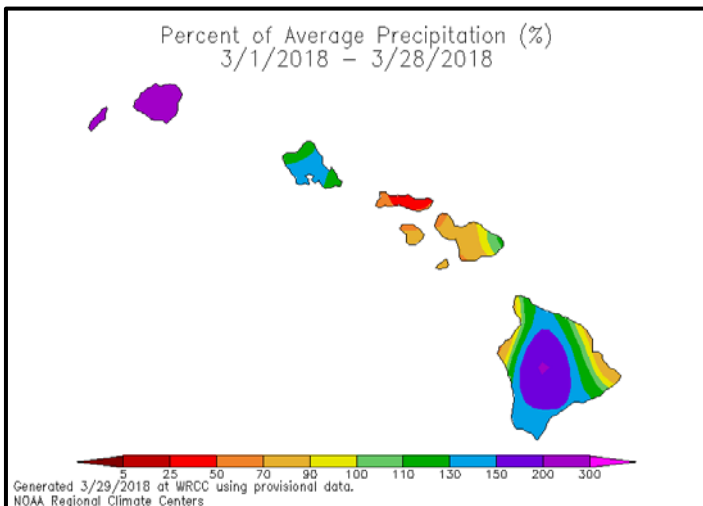


Figure 2: Percent average precip in Mar 2018

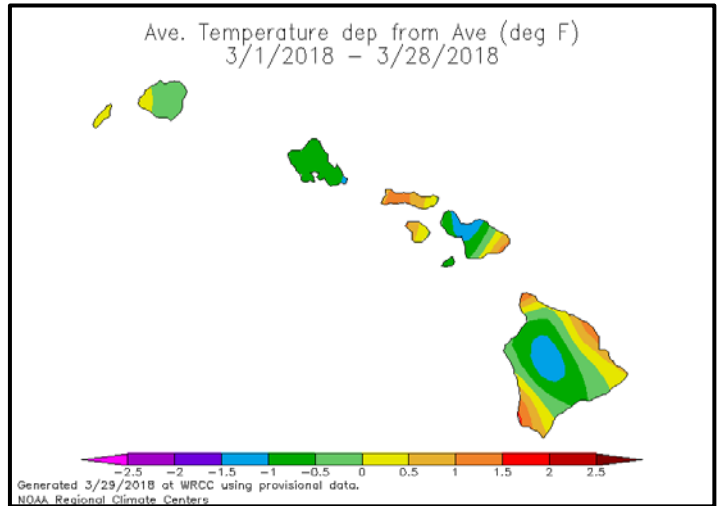


Figure 3: March Average Temperature Departure From Average

HAWAI'I MONTHLY/SEASONAL OUTLOOK

ISSUED MARCH 30, 2018

VALID APRIL - JULY 2018

Produced By North Ops



WEATHER OUTLOOK

The Hawai'iian rainy season continues and near-term forecasts show wet weather at the start of April, with an outlook from NOAA and the NWS for above normal rainfall in April followed by near normal rainfall from May through July. The ongoing La Niña pattern (**Fig 5**) will come to an end in the next few weeks and ENSO-neutral conditions are then expected through the summer. Temperatures throughout the region are expected to be a bit above normal April-July.

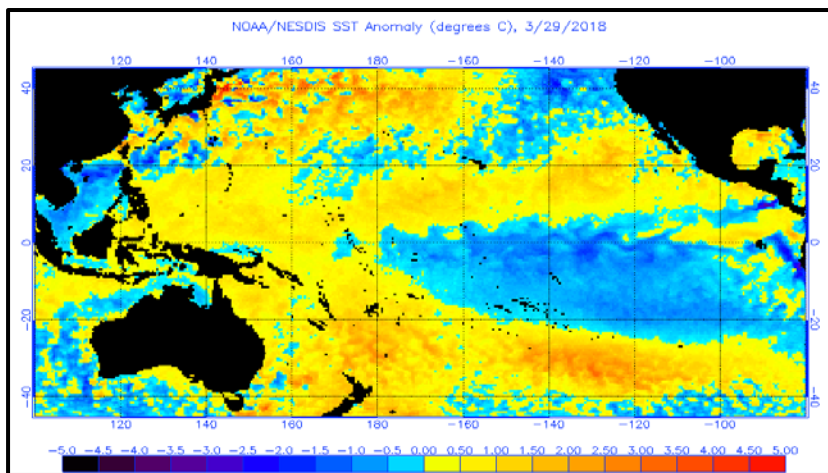


Figure 4: Sea Surface Temperatures (SST) anomaly

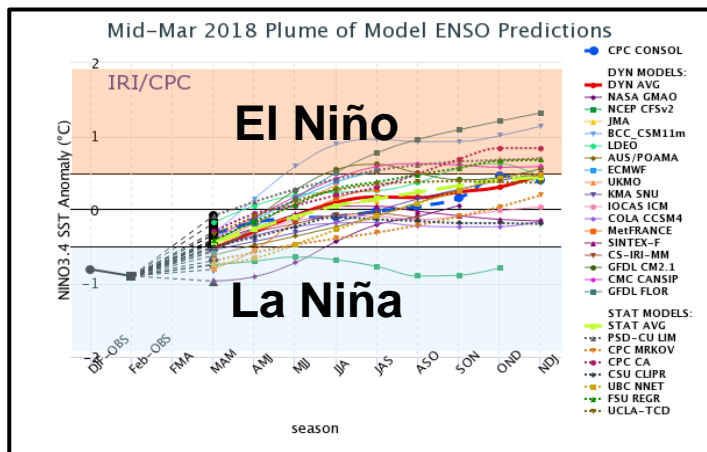


Figure 5: Plume diagram showing ENSO Neutral conditions in the next month

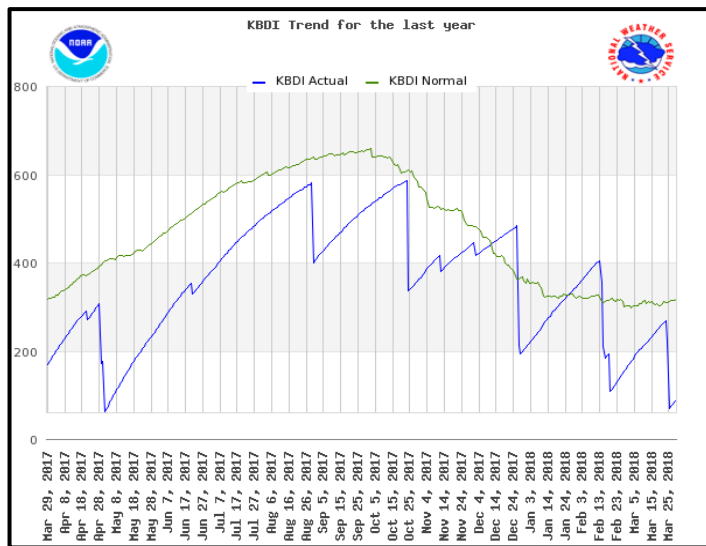


Figure 6: Keetch-Byram Drought Index (KBDI)
blue = 2017 green = average

HAWAI'I FUELS and FIRE POTENTIAL OUTLOOK

The KBDI (**Fig 6**) has moved well below normal due to recent rainfall. This is the time of year when the KBDI is typically at minimum values and little to no fire activity occurs. The "Normal" curve (in green) will be on a gradual rising trend in April, but given the current conditions and the outlook, KBDI readings are expected to remain below the normal curve at least during the first half of the outlook period, and probably trend near the normal curve in June and July. Therefore, **the entire region has normal significant fire potential from April through July.**