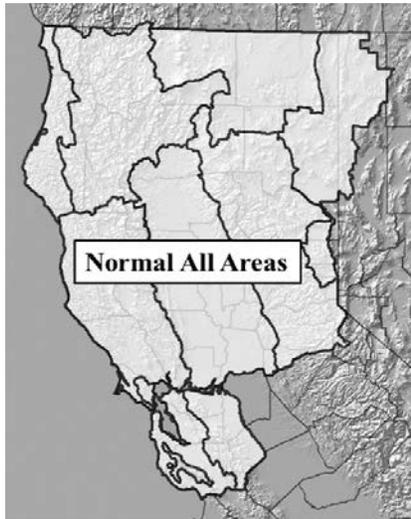


SEASONAL OUTLOOK

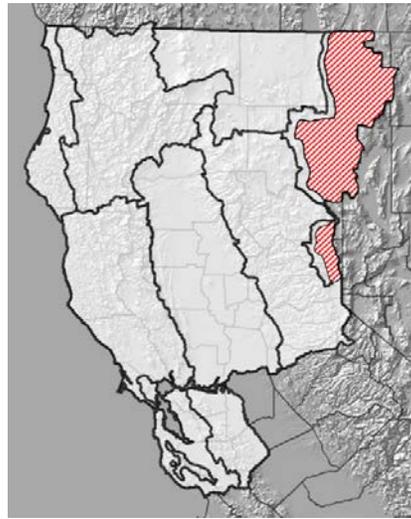
For Northern California and Hawai'i

Issued April 29, 2016

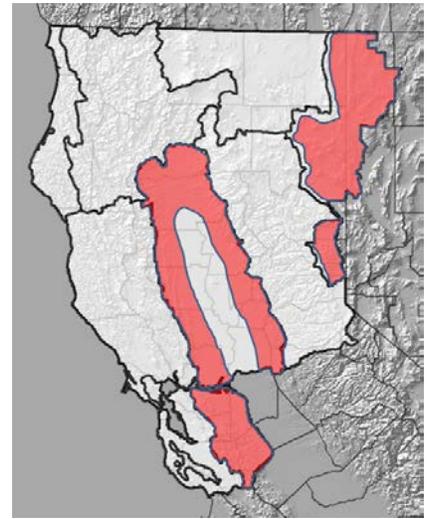
Valid for JUN - AUG 2016



June: Normal All Areas



July: Increasing to Above Normal lower elevations east of the Cascade-Sierra crest. Normal elsewhere



August: Above Normal valleys and foothills east of the crest and Sacramento Valley. Also, eastern Bay Area Diablo region. Normal Elsewhere

North Ops Weather, Fuels & Fire Potential Discussion JUN–AUG 2016

Weather and Climate Outlook: Precipitation is typically very light in the North Ops region during Jun-Aug. The forecast for the Outlook period is for near normal precipitation (**Fig 1**) and above normal temperatures (**Fig 2**) as the once-strong El Niño pattern fades to neutral by early summer and moves toward a weak La Niña event by early fall (**Fig 3**). The snow pack is below normal for the end of April (**Fig 4**) and due to more rapid melting than usual in the recent warmer than normal weather. Even so, this is the deepest snowpack in the North Ops region in 5 years and it will keep fire season from beginning early. Occasional wet weather systems passing through the region during May and possibly into early June will increase fuel and soil moisture, and a delayed start to fire season at mid and upper elevations is possible. There is a greater than normal crop of fine fuels in valleys and foothills due to the wet winter and spring weather, and these fine fuels will cure out toward the end of July, increasing the potential of large fires in those areas.

Fire Potential: **INCREASING TO ABOVE NORMAL** valleys and foothills east of the Cascade-Sierra crest in July, remaining **ABOVE NORMAL** there in August. **ABOVE NORMAL** non-agricultural areas of the Sacramento Valley and surrounding foothills and in the Diablo portion of the Bay Area in August. Otherwise, **NORMAL**.

Normal Significant Fire occurrence is defined as:

June: 1 to 2.5 large fires per PSA

July: 1 to 3 large fires per PSA

August: 2 to 6 large fires per PSA

North Ops Weather, Fuels & Fire Potential Discussion (con't)

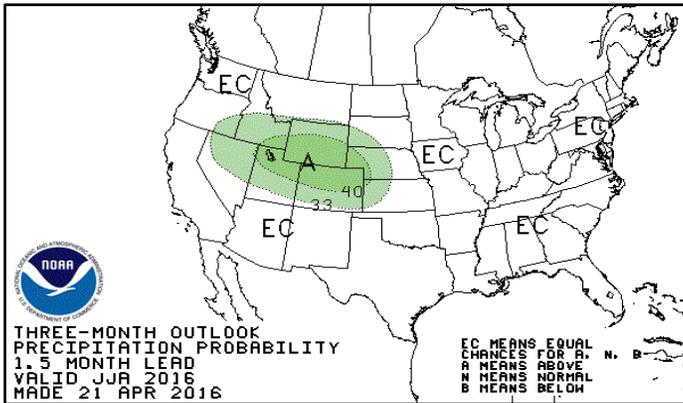


Fig. 1 Precipitation JUN - AUG

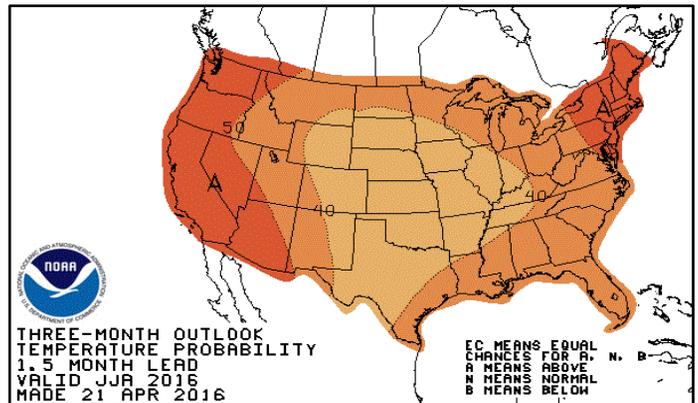


Fig. 2 Temperature JUN - AUG

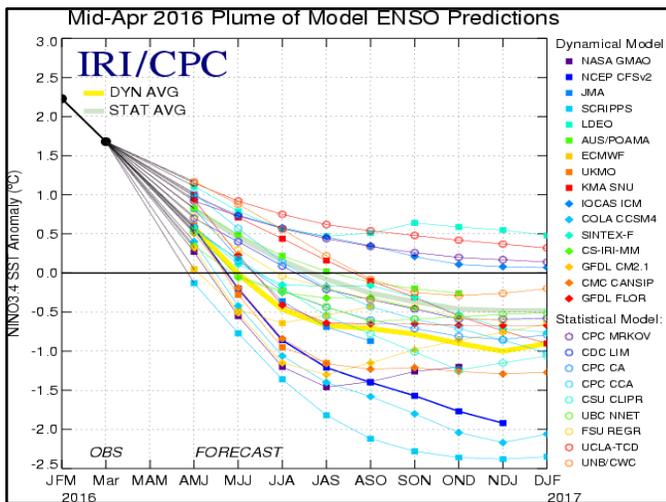


Fig. 3 ENSO Model Forecasts

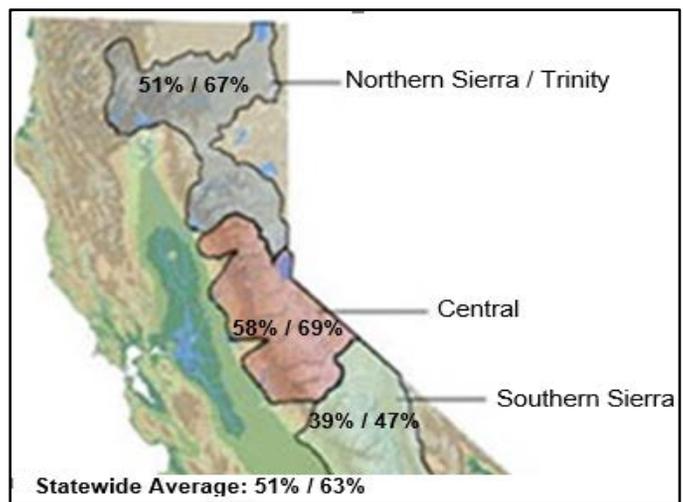


Fig. 4 CA Snowpack April 28, 2016

Hawai'i Seasonal Outlook JUN - AUG 2016

Weather and Climate Outlook: The once-strong El Niño is quickly fading and neutral conditions are expected by early in the summer. There is a greater than 50% chance that La Niña conditions develop by late summer or early fall (Fig 3). Typically, Hawai'i is in its dry season from June through August. Additionally, the lingering effects of the recent strong El Niño will tend to keep HI dry as well early in the Outlook period. The Climate Prediction Center is forecasting near normal (light) precipitation through July, and a possibility of rainfall increasing to above normal beginning in August. The Keetch-Byram Drought Index (KBDI) (Fig 5) is above normal for late April due to the recent dry conditions. It is near critical levels not usually seen until late July. Rainfall improved slightly across the islands in April (Fig 6), but normal to slightly below normal precipitation is likely at least through June. Drought conditions continue to increase throughout the islands (Fig 7) and drought is expected to intensify during the Outlook period.

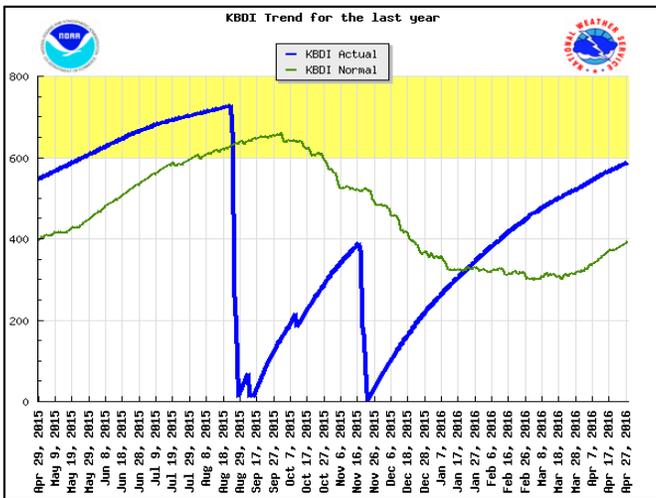


Fig. 5 HI KBDI - Past Year ending 4/28/2016

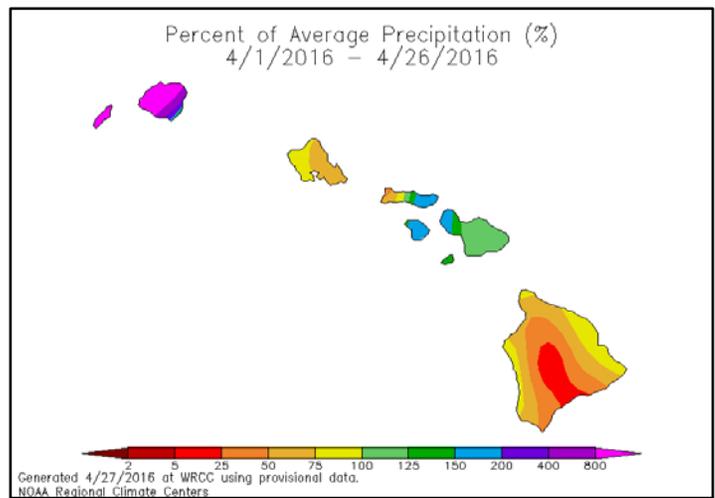


Fig. 6 HI Precipitation APR 2016

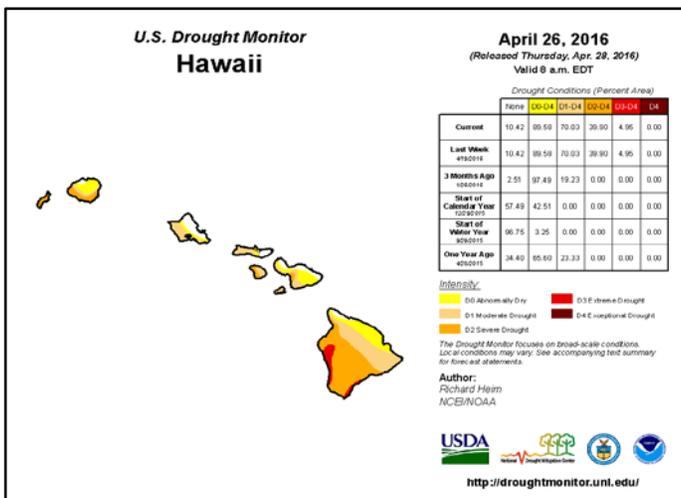


Fig. 7 HI Drought Monitor

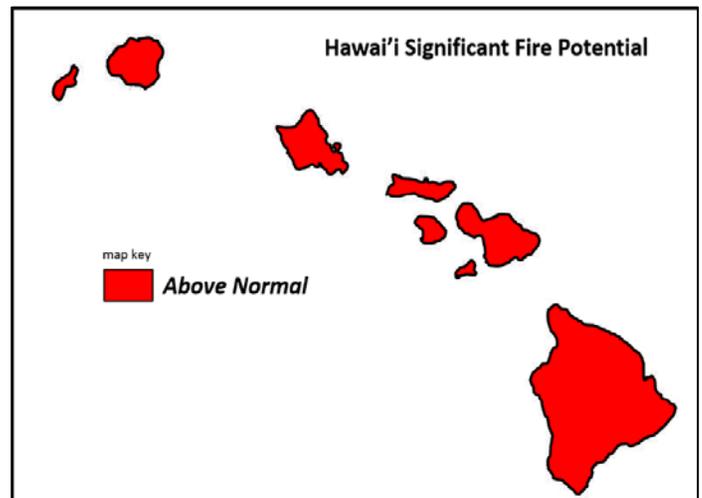


Fig. 8 HI Fire Potential JUN - AUG 2016