Pacific Northwest Climate and Drought Update

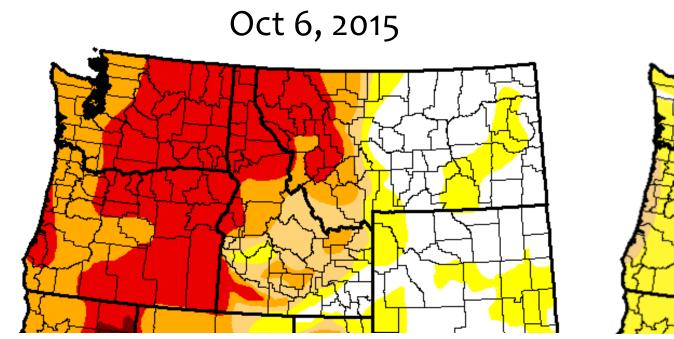
John Abatzoglou

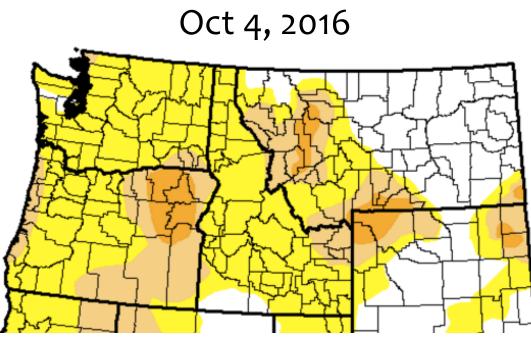
University of Idaho

Climate Impacts Research Consortium









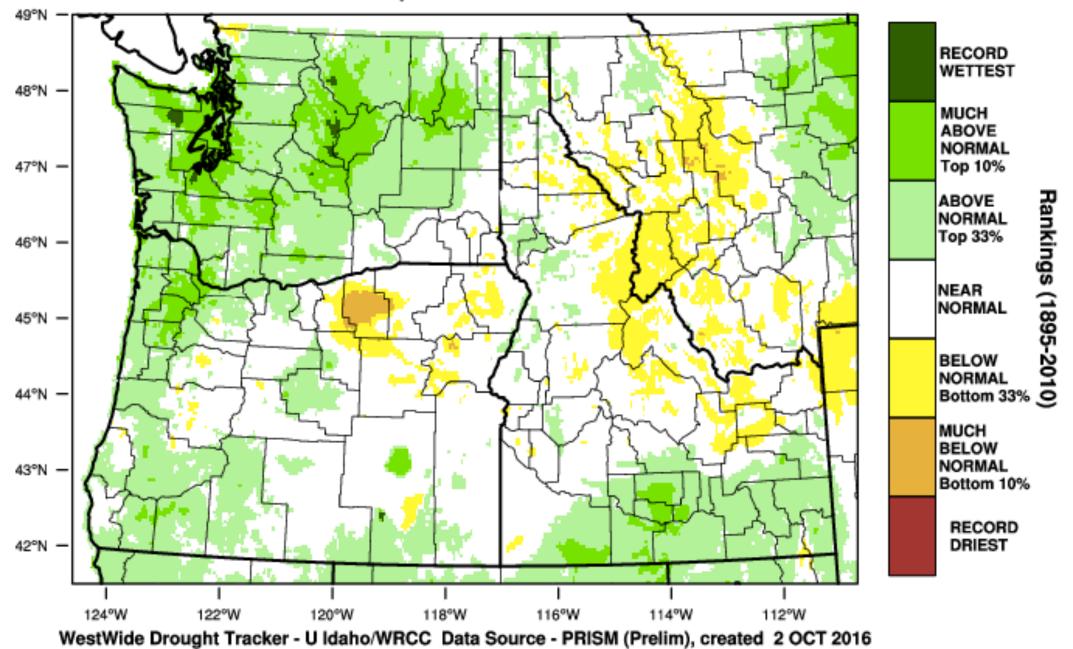
D3ExtremeDrought

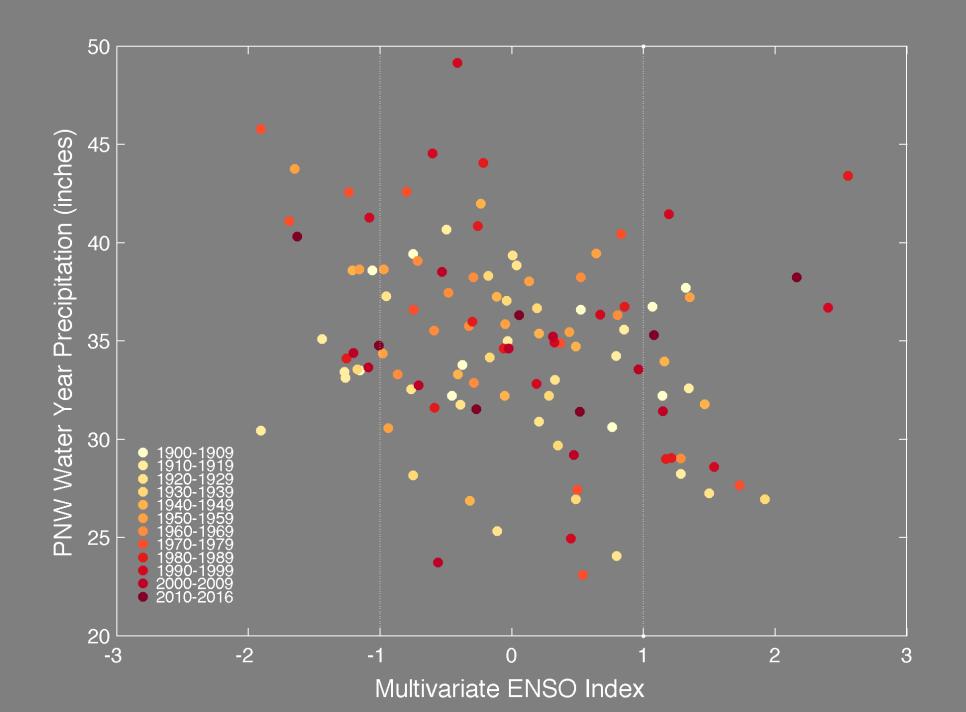
D4 Exceptional Drought



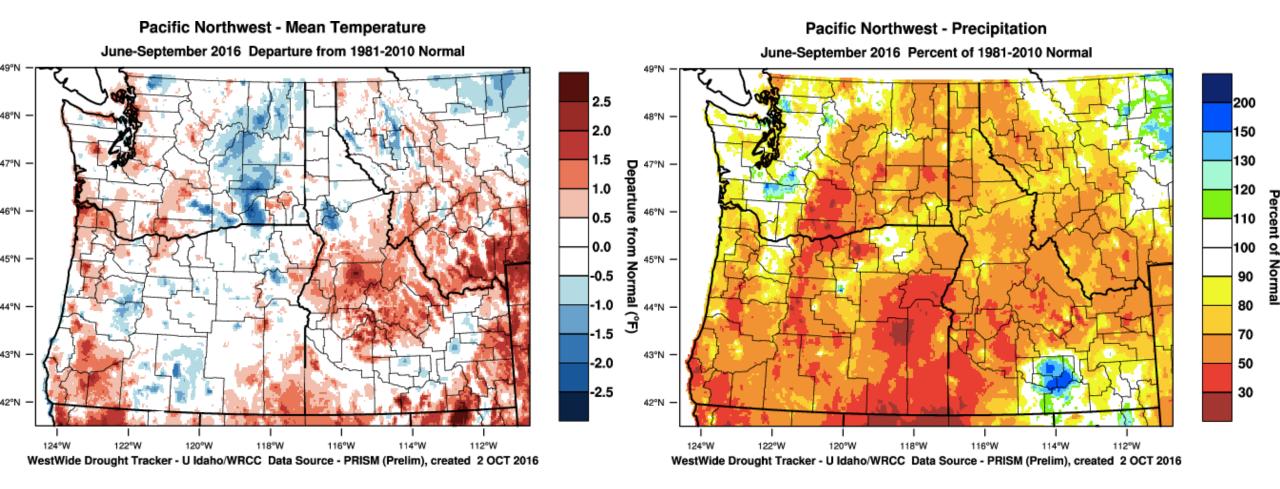
Pacific Northwest - Precipitation

October-September 2016 Percentile

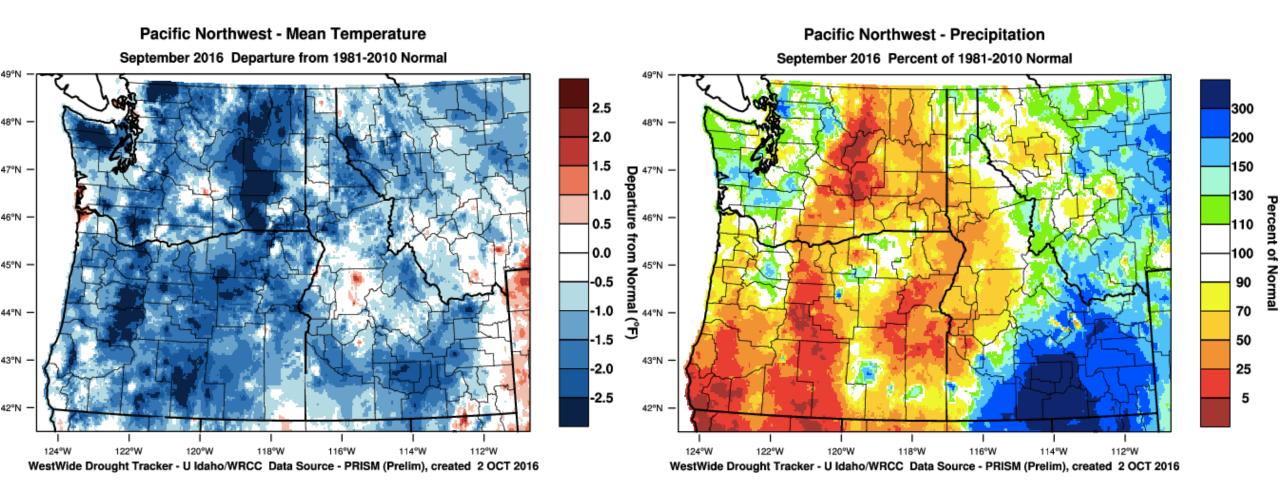




Northwestern US Summer (June-Sep) 2016

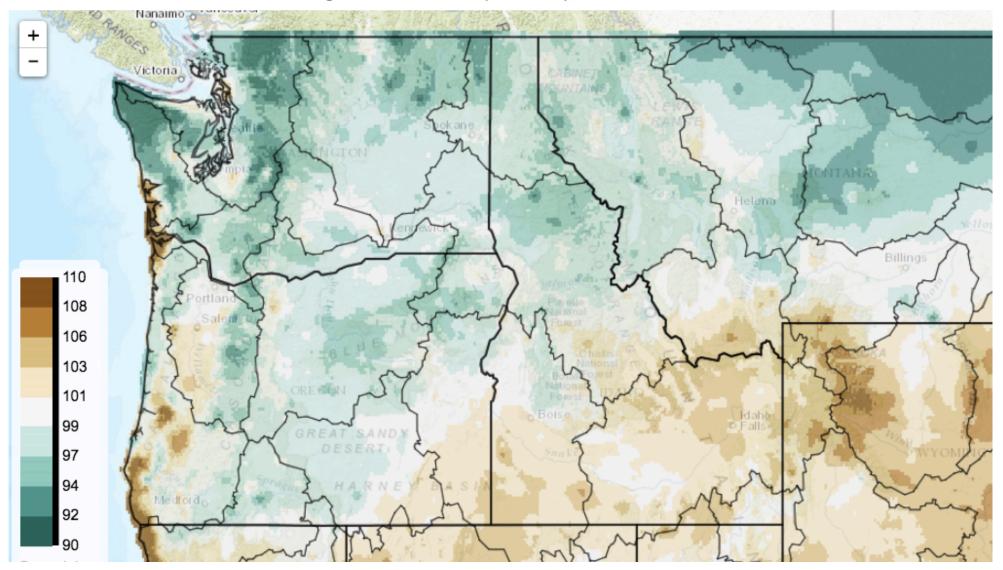


September 2016



Last 90 Days Potential Evapotranspiration (% of Normal)

Data Source: METDATA/gridMET 4-km dataset (Univ. Idaho),2016/07/04 - 2016/10/01



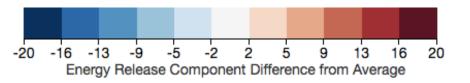
http://nwclimatetoolbox.weebly.com

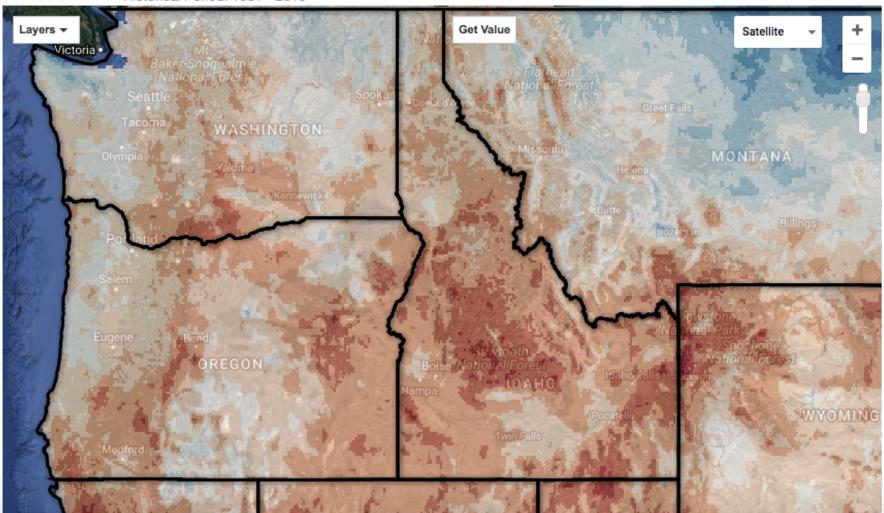


Mean Energy Release Component

Difference from Average

Data Source: METDATA/gridMET 4-km dataset (University of Idaho) Target Period: 2016-06-01 to 2016-09-28 Historical Period: 1981 - 2010





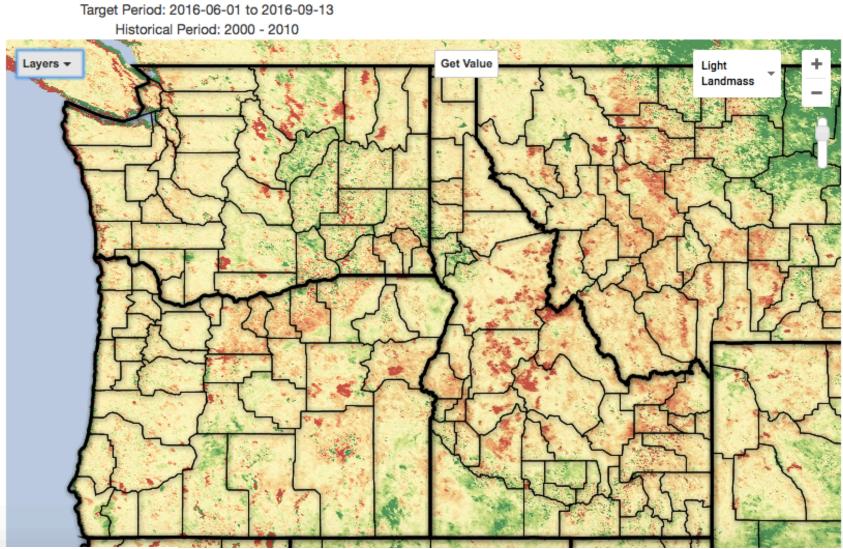


http://climateengine.org

Median NDVI Percent Difference

from Average Data Source: MODIS







http://climateengine.org

Total Moisture Percentile 2016--10--03 125°W 120°W 115°W 110°W 50°N 50°N 45°N 45°N Computational Hydrology Group 110°W 115°W 125°W 120°W 70 80 90 ¹⁰⁰ UNIVERSITY of WASHINGTON 10 20 30 95 98 0 2 5

percentile

Silver Mountain Resort Kellogg, Idaho October 5, 2016

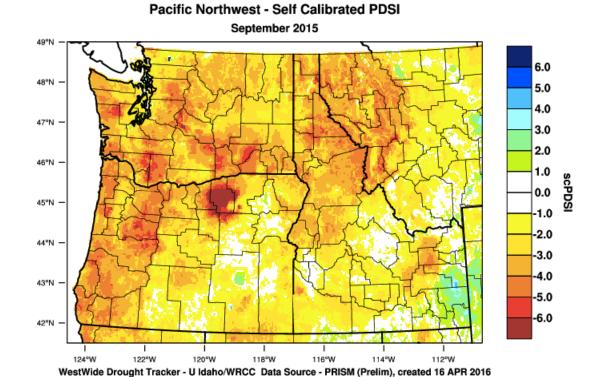
Summary

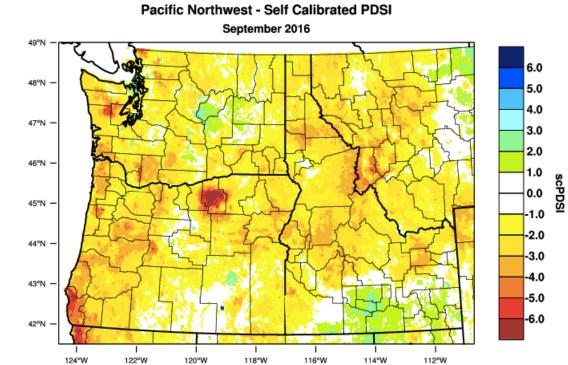
- Some drought recovery in NW after WY 2014-15
- Coolest summer since 2011 led to sub-par forest fire season
- Cool and somewhat drier than normal September
- Commence water year 2016-17 with smaller deficit

http://nwclimatetoolbox.weebly.com

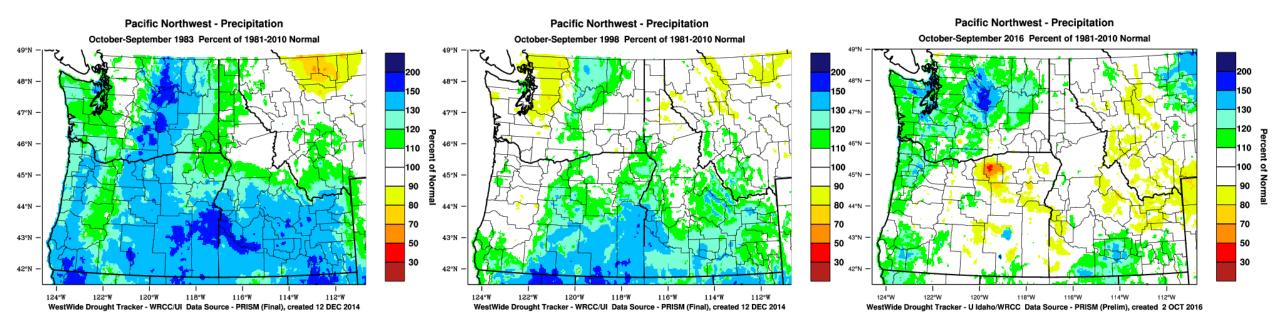


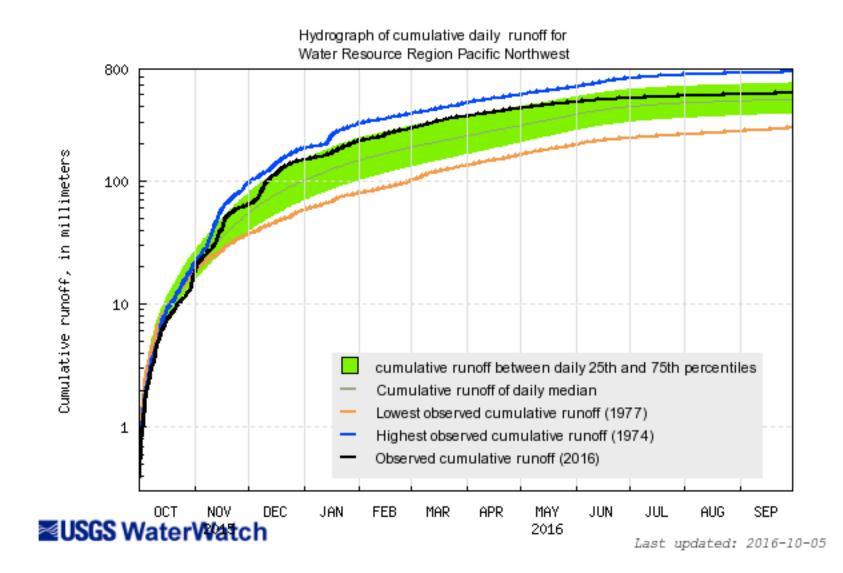






WestWide Drought Tracker - U Idaho/WRCC Data Source - PRISM (Prelim), created 2 OCT 2016





September 2016 Streamflow Percentiles

Tuesday, October 04, 2016

