

Great Basin Seasonal Outlook June – September 2019



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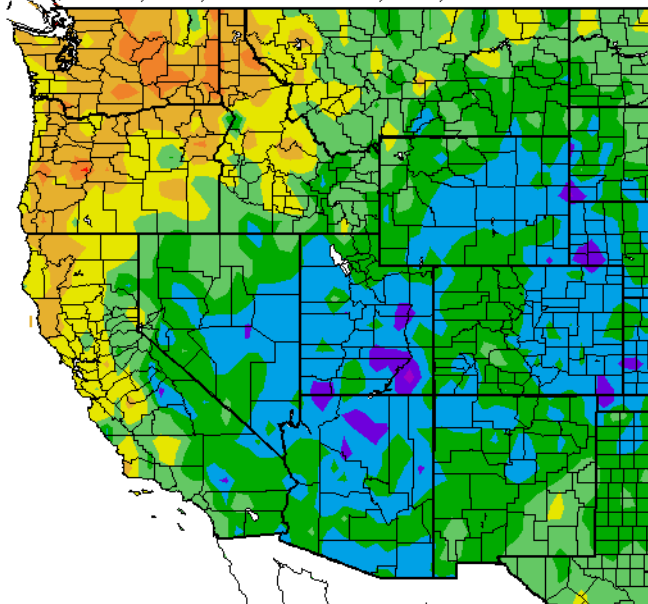


Temperature & Precipitation

Last 30 Days

Temperature

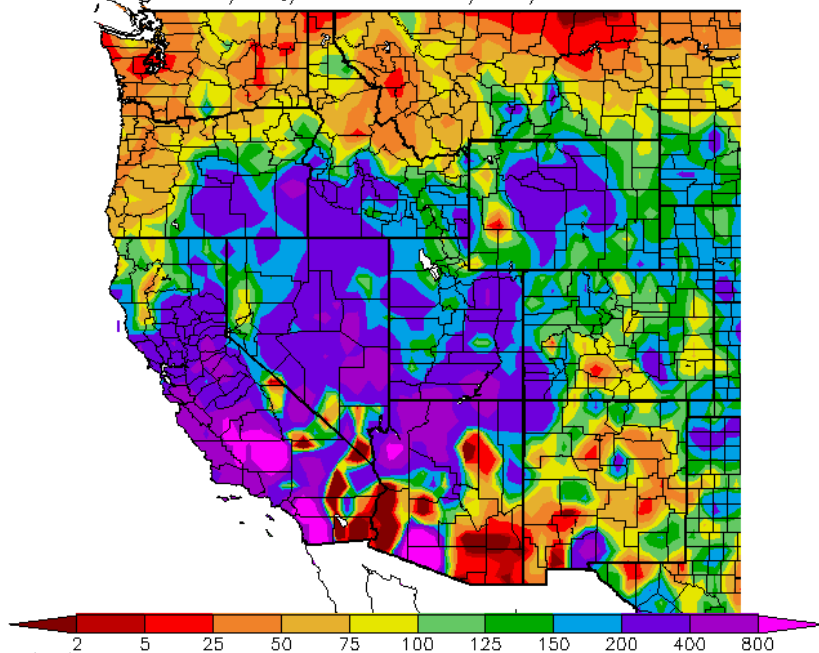
Ave. Temperature dep from Ave (deg F)
5/19/2019 – 6/17/2019



Generated 6/18/2019 at WRCC using provisional data.
NOAA Regional Climate Centers

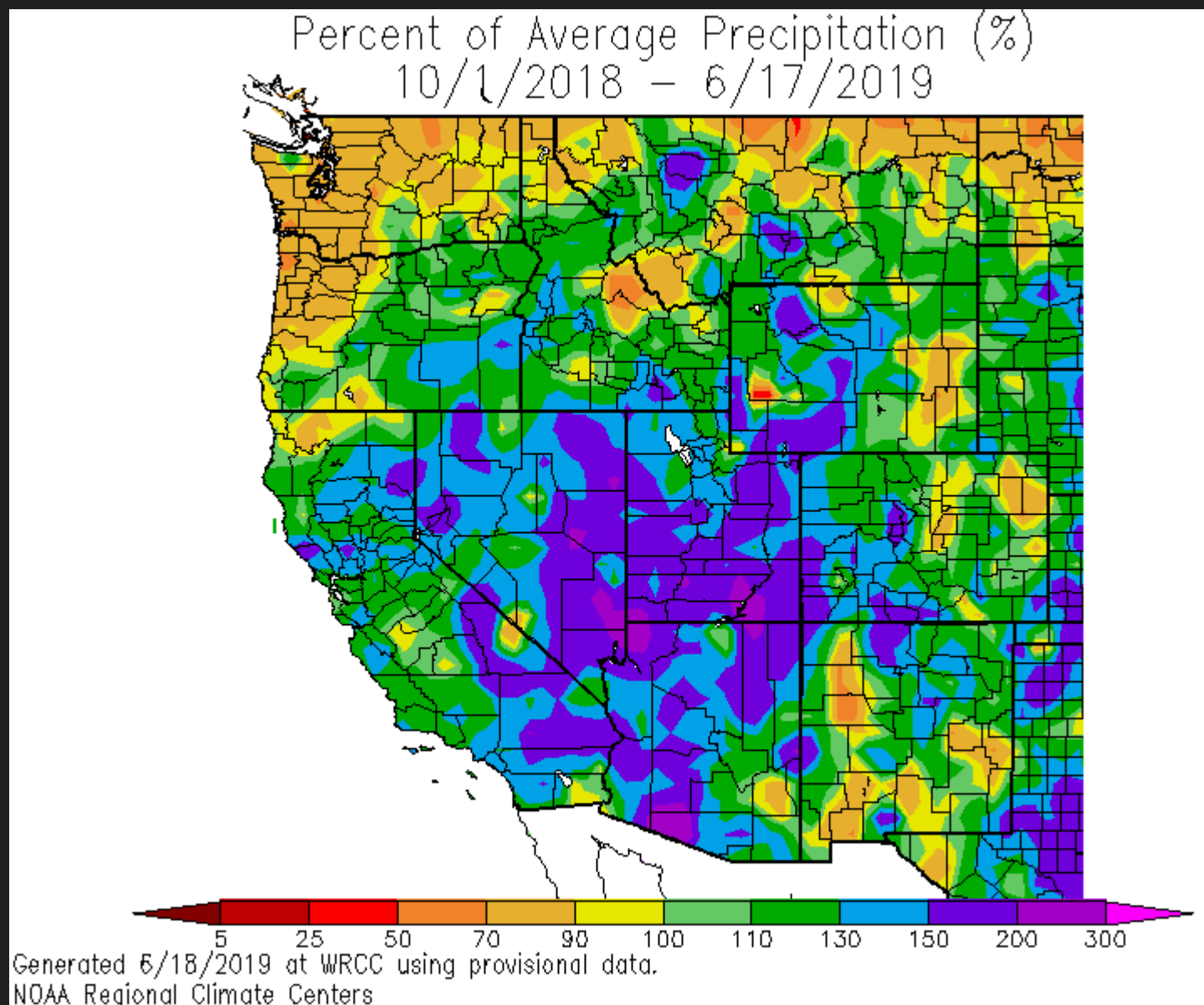
Precipitation

Percent of Average Precipitation (%)
5/19/2019 – 6/17/2019



Generated 6/18/2019 at WRCC using provisional data.
NOAA Regional Climate Centers

Winter Precipitation: Since October 1, 2018

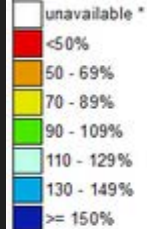


Early June Snowpack

Westwide SNOTEL Current Snow Water Equivalent (SWE) % of Normal

May 30, 2019

Current Snow Water Equivalent (SWE) Basin-wide Percent of 1981-2010 Median



* Data unavailable at time of posting or measurement is not representative at this time of year

Provisional data subject to revision



0 75 150 300 Miles

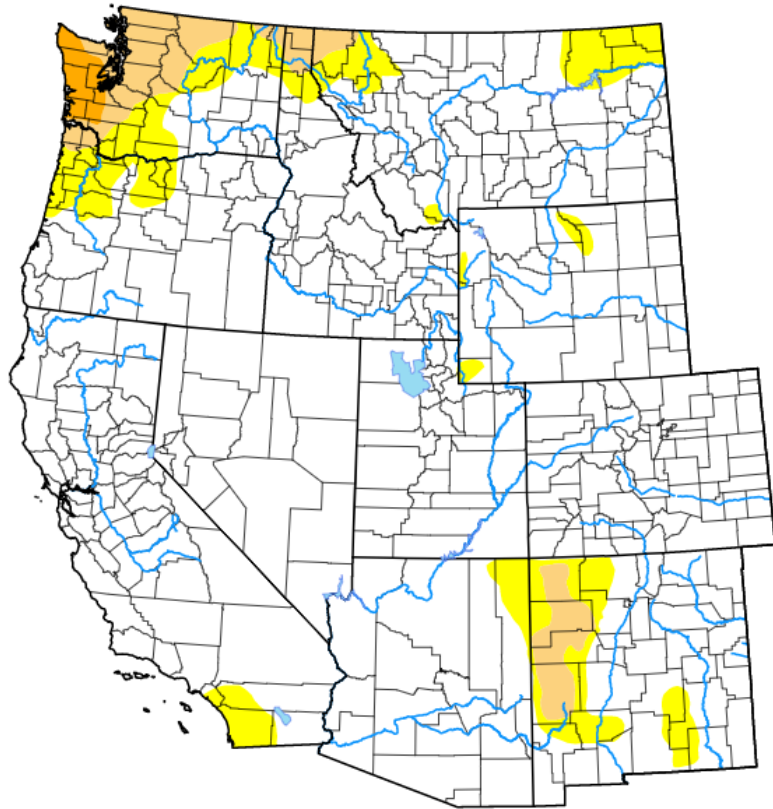
The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

Prepared by:
USDA/NRCS National Water and Climate Center
Portland, Oregon
<http://www.nrcs.usda.gov>

Drought Monitor and Outlook

Drought Monitor

May 30th, 2019

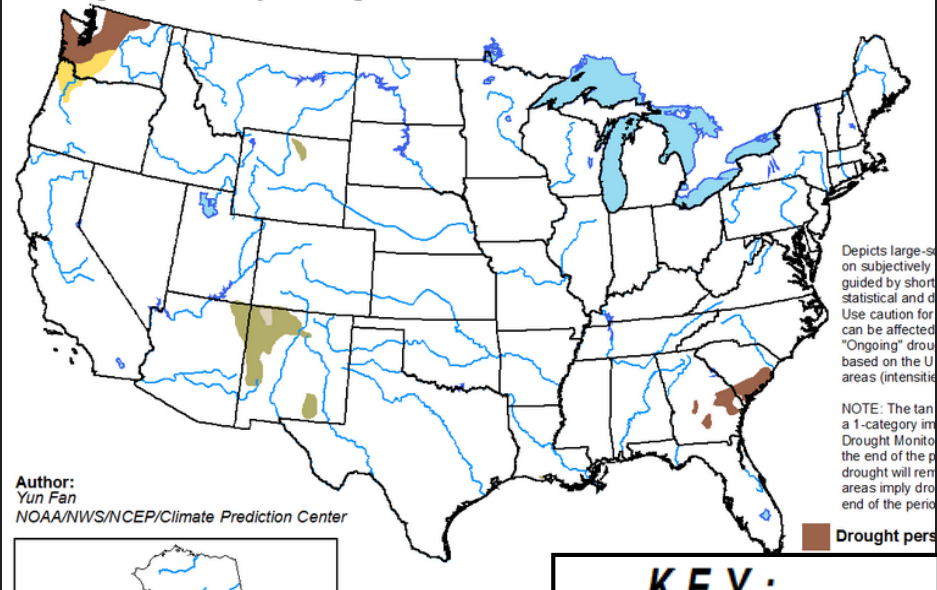


Drought Outlook

May 16th – August 31st, 2019

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

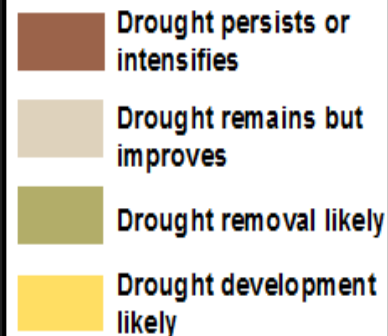
Valid for May 16 - August 31, 2019



Author:
Yun Fan
NOAA/NWS/NCEP/Climate Prediction Center

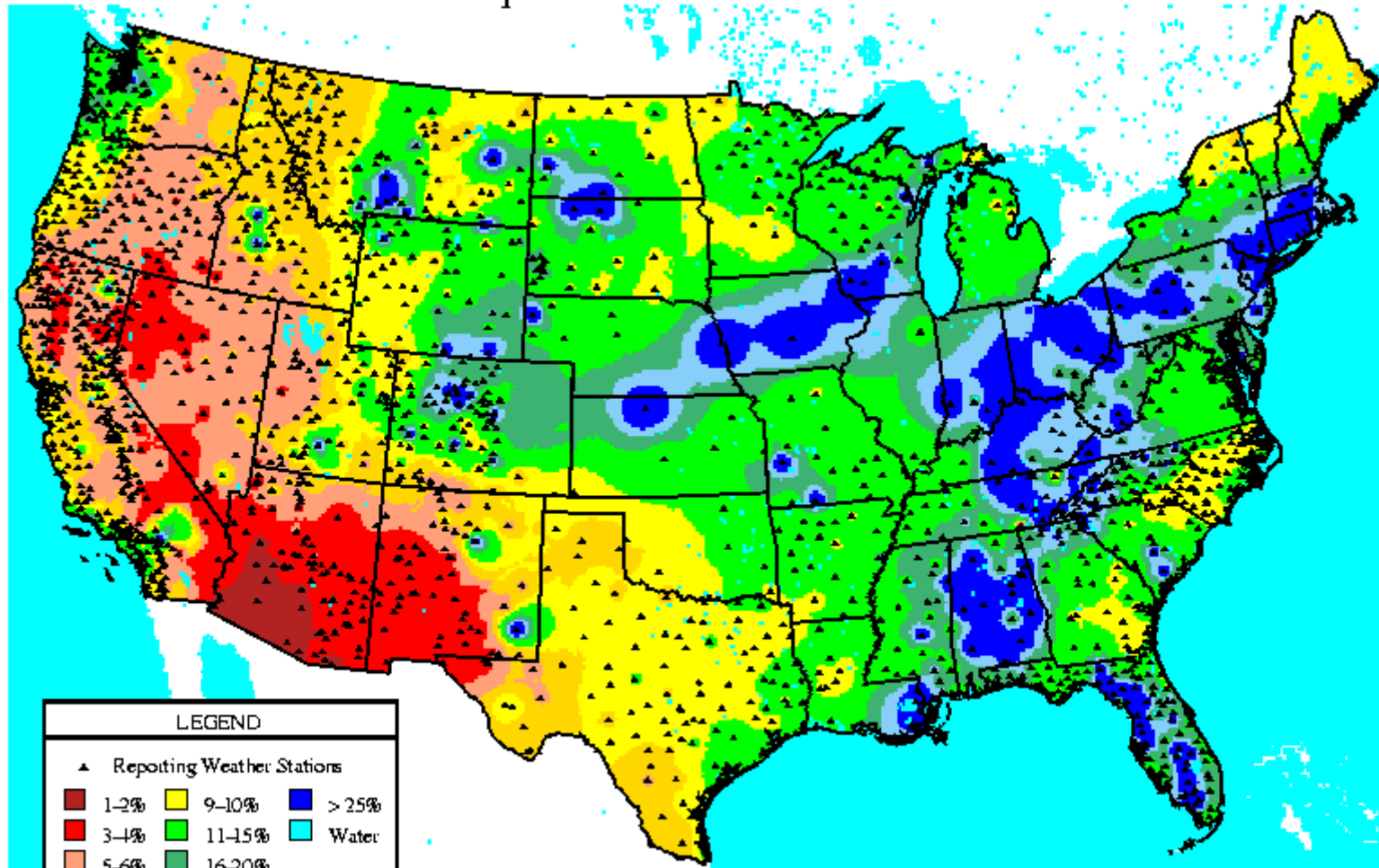
Depicts large-scale drought tendencies based on short-term statistical and dynamical models. Use caution for areas that can be affected by "Ongoing" drought based on the U.S. Drought Monitor. NOTE: The tan color indicates a 1-category improvement in the Drought Monitor by the end of the period. The red color indicates drought will remain or intensify by the end of the period.

KEY:



Latest 10-Hr Fuels

Obs. or Computed 10-Hour FM: 18-Jun-19



LEGEND

- ▲ Reporting Weather Stations
- 1-2% 9-10% >25%
- 3-4% 11-15% Water
- 5-6% 16-20%
- 7-8% 21-25%

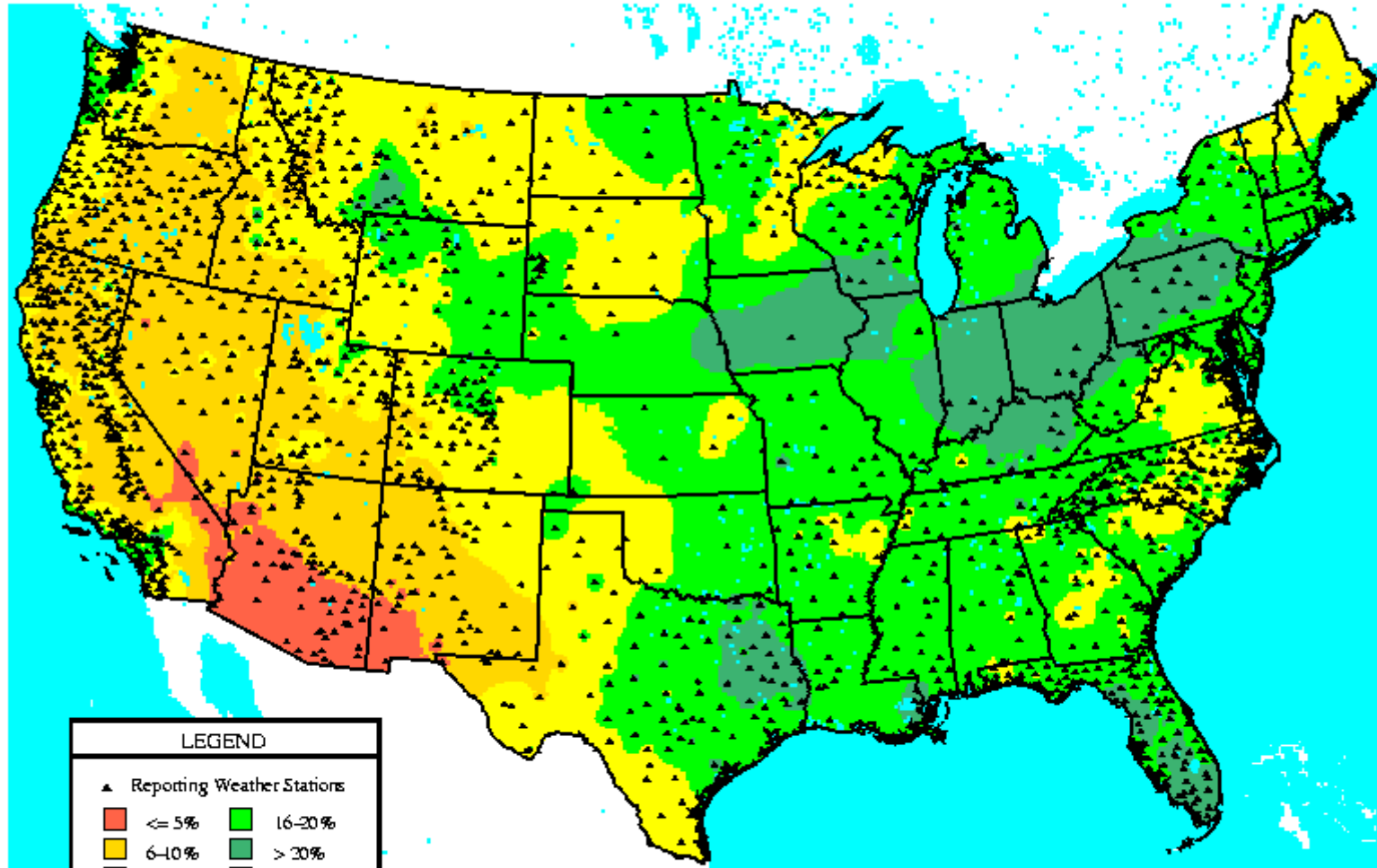
(Inv. Dist.² Interp.)

WFAS-MAPS Graphics FIRE BEHAVIOR RESEARCH MISSOULA, MT



Latest 100-Hr Fuels

Obs. 100-Hour FM: 18-Jun-19



LEGEND	
▲ Reporting Weather Stations	
Red	≤ 5%
Orange	6-10%
Yellow	11-15%
Green	16-20%
Dark Green	> 20%
Blue	Water

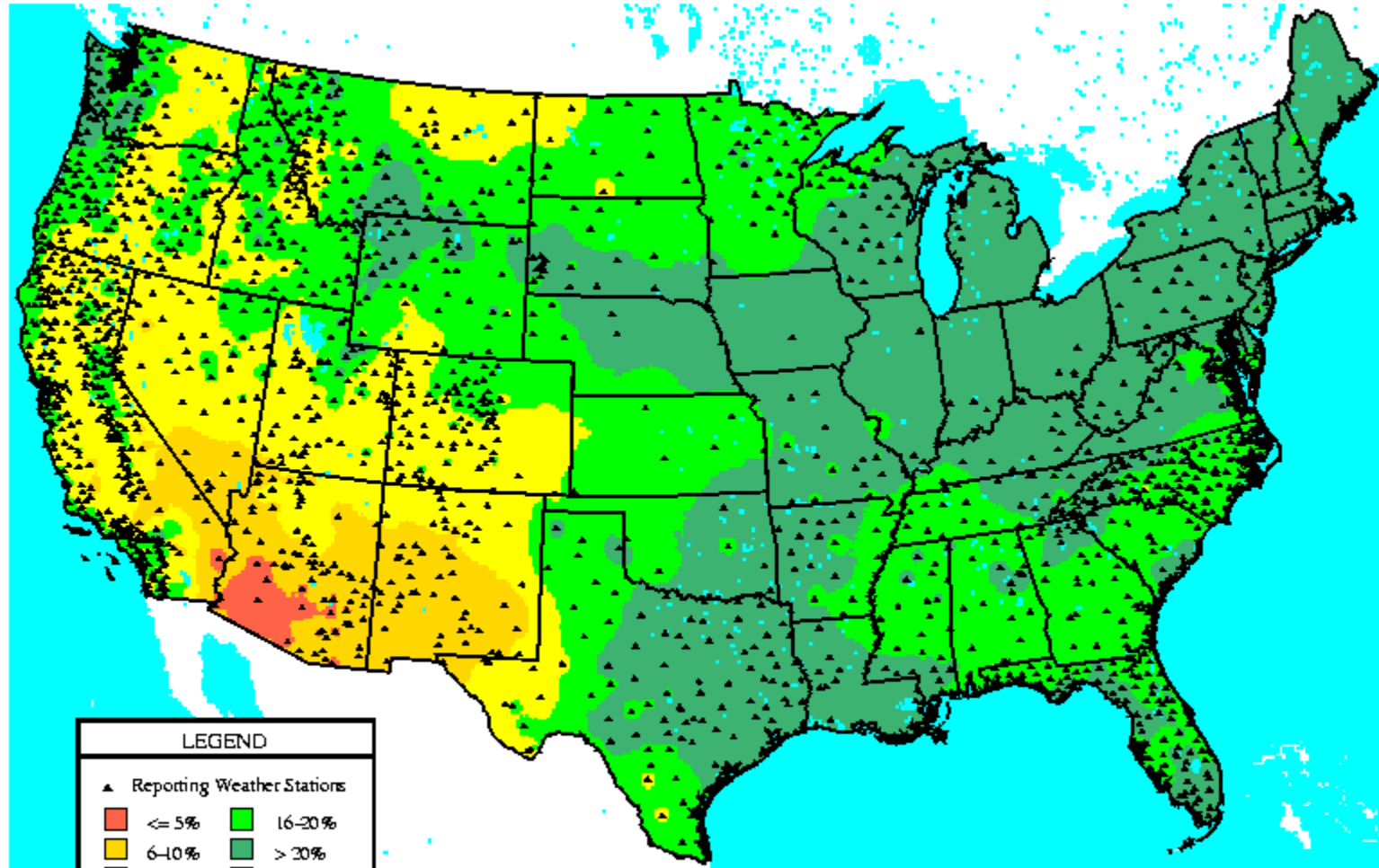
(Inv. Dist.² Interp.)

WFAS-MAPS Graphics FIRE BEHAVIOR RESEARCH MISSOULA, MT



Latest 1000-Hr Fuels

Obs. 1000-Hour FM: 18-Jun-19

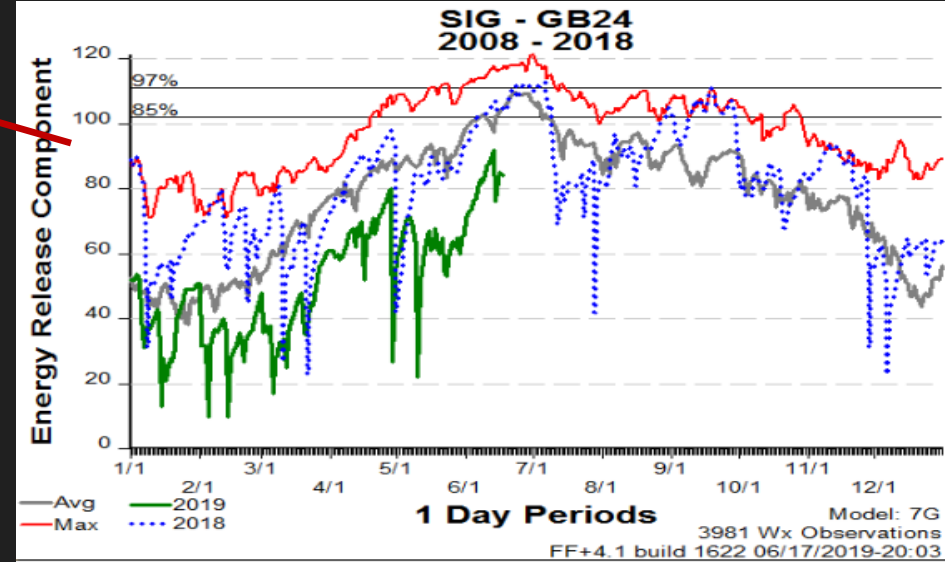
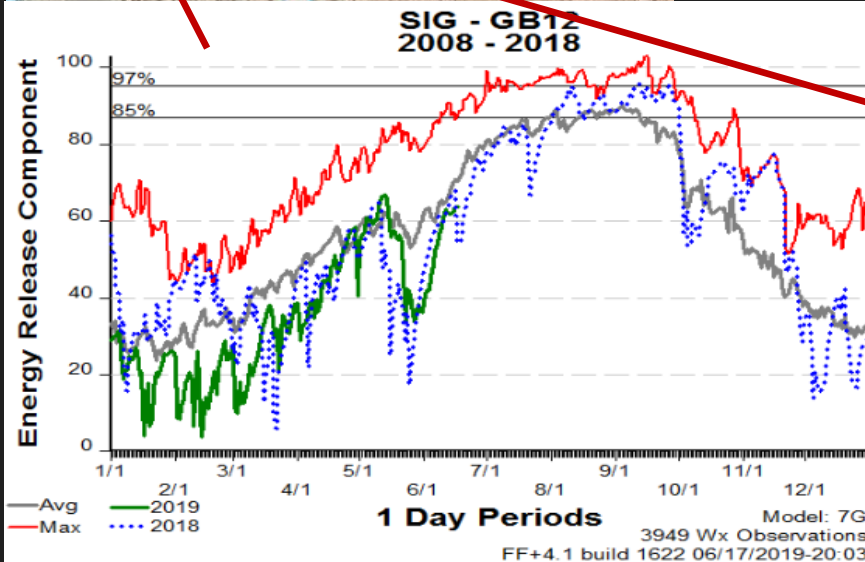
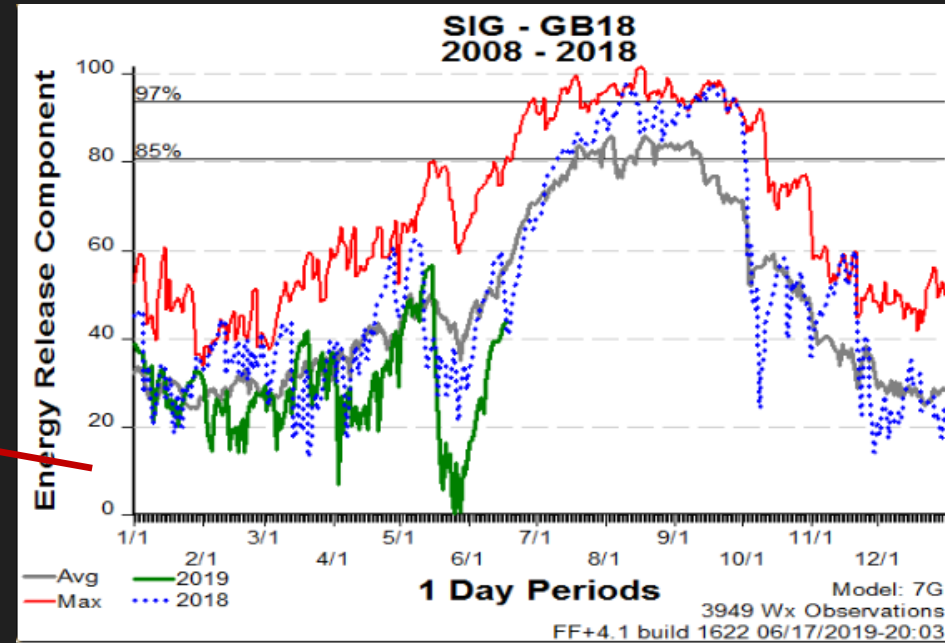
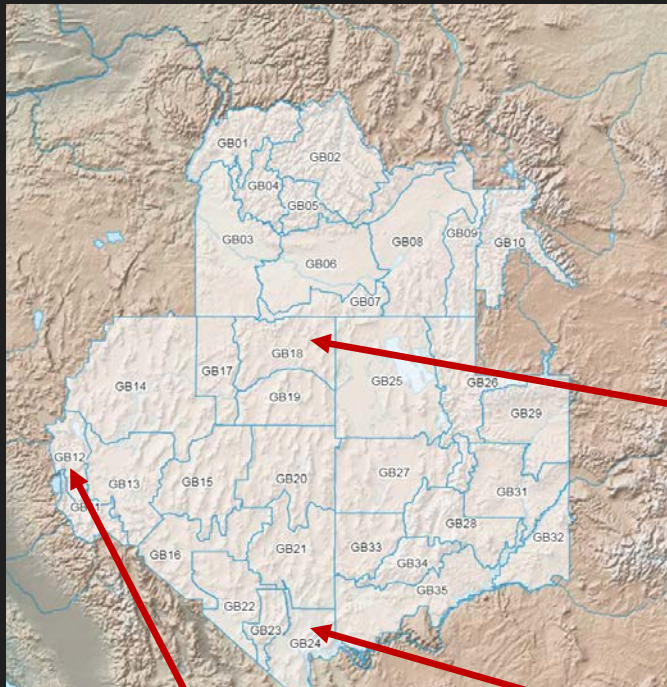


(Inv. Dist.² Interp.)

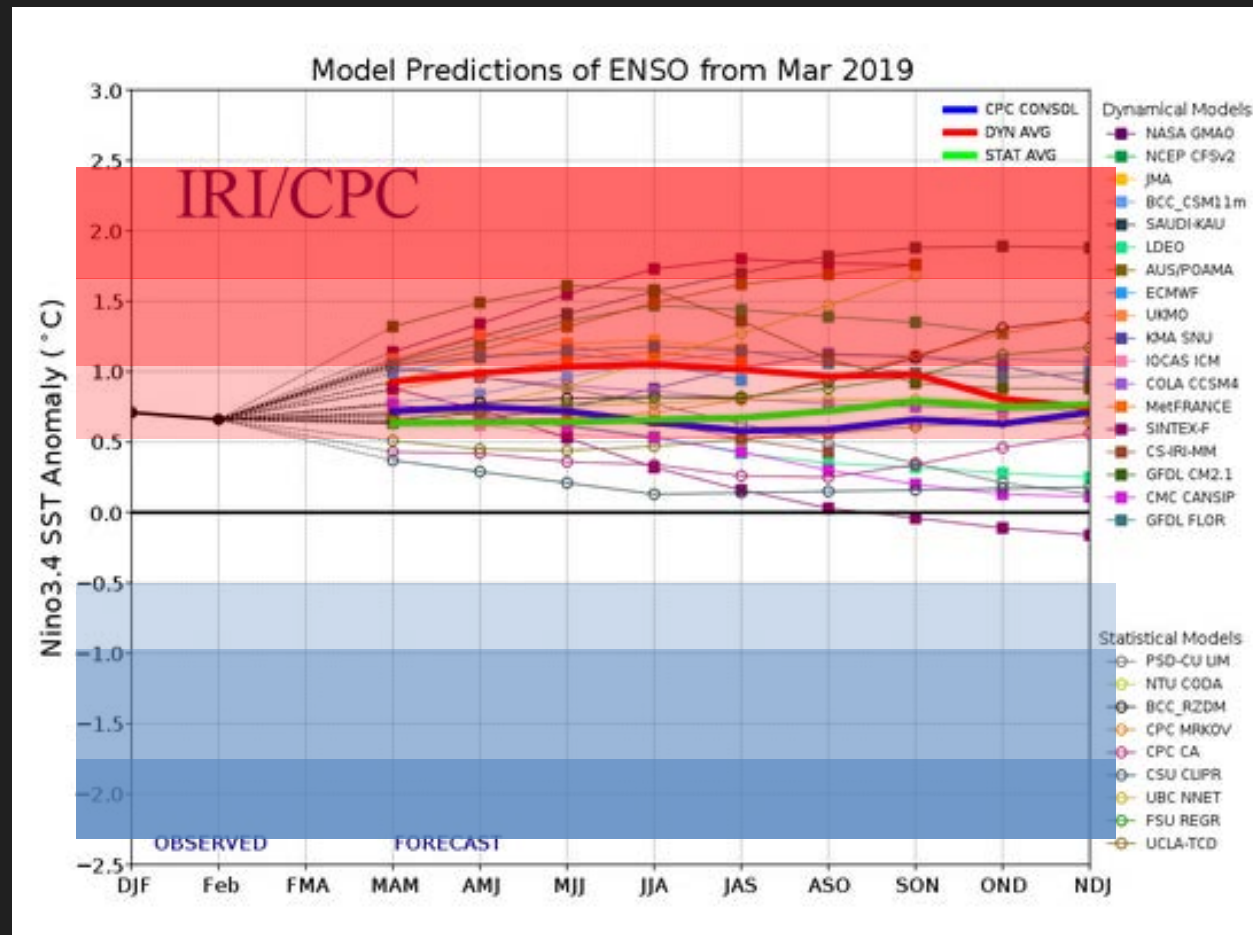
WFAS-MAPS Graphics FIRE BEHAVIOR RESEARCH MISSOULA, MT



Current Fire Danger Indices



El Nino/Neutral/La Nina



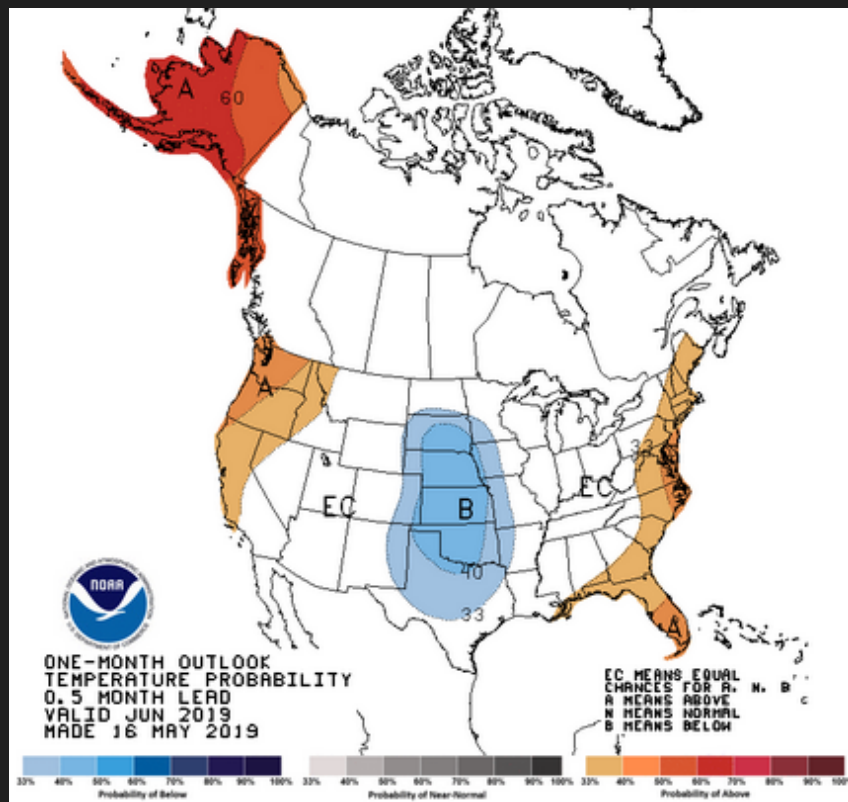
**Drought, Weather
Fuels, Snowpack:**

**What Happens
From Here?**

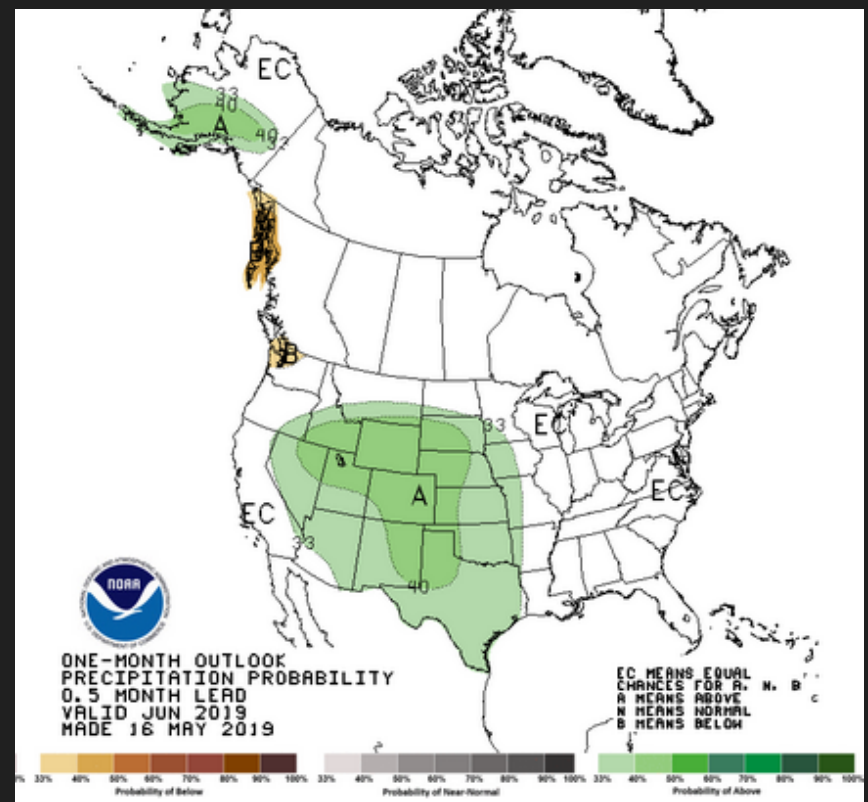


1 Month Outlook: July 2019

Temperature

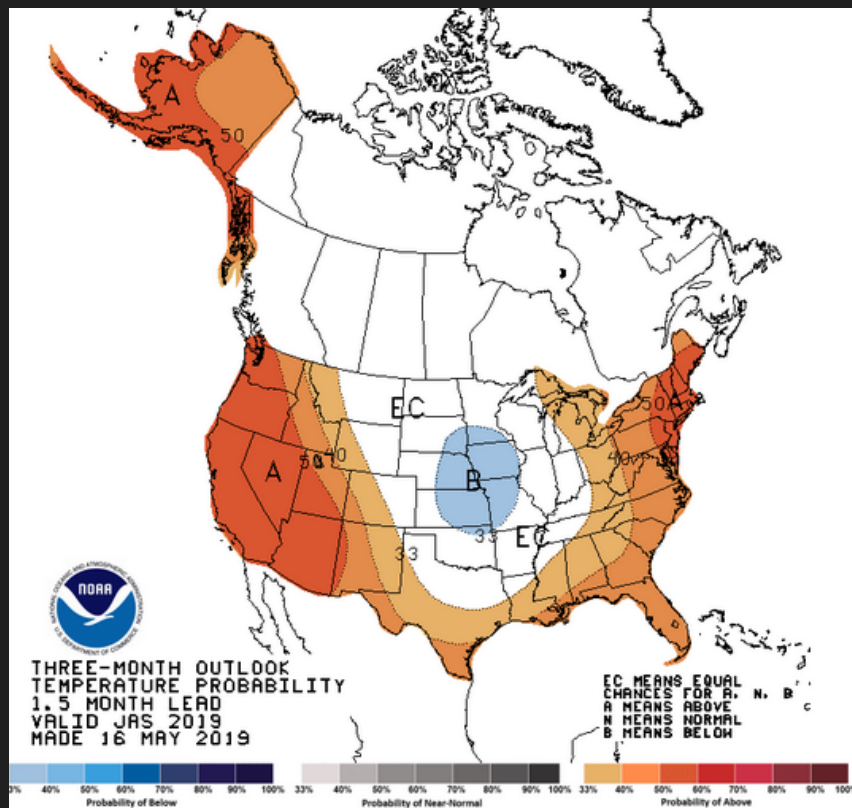


Precipitation

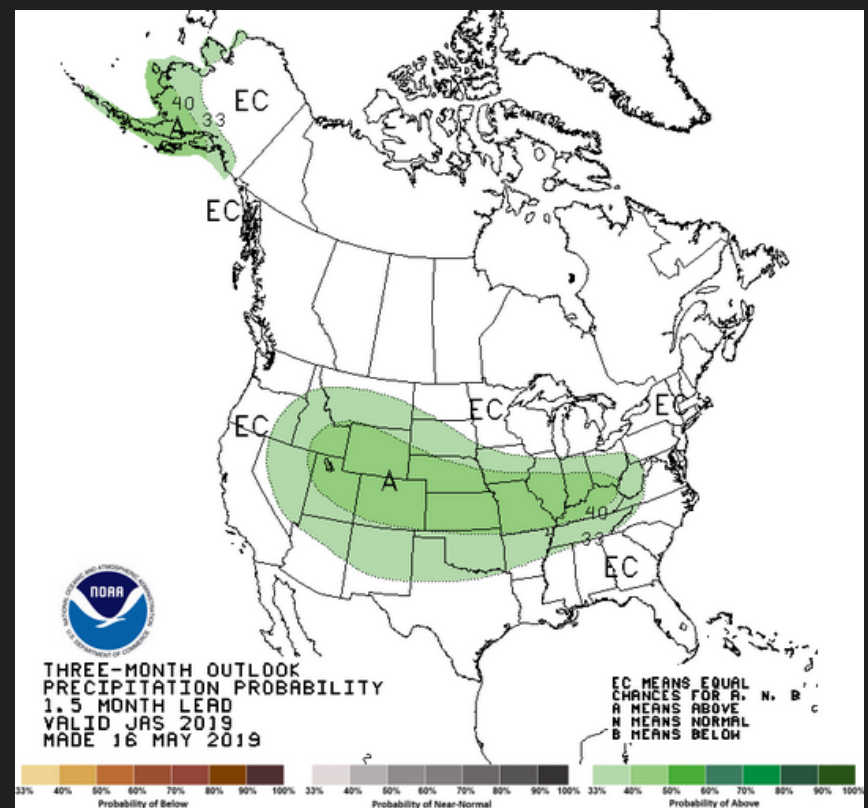


3 Month Outlook: Jul – Sep 2019

Temperature



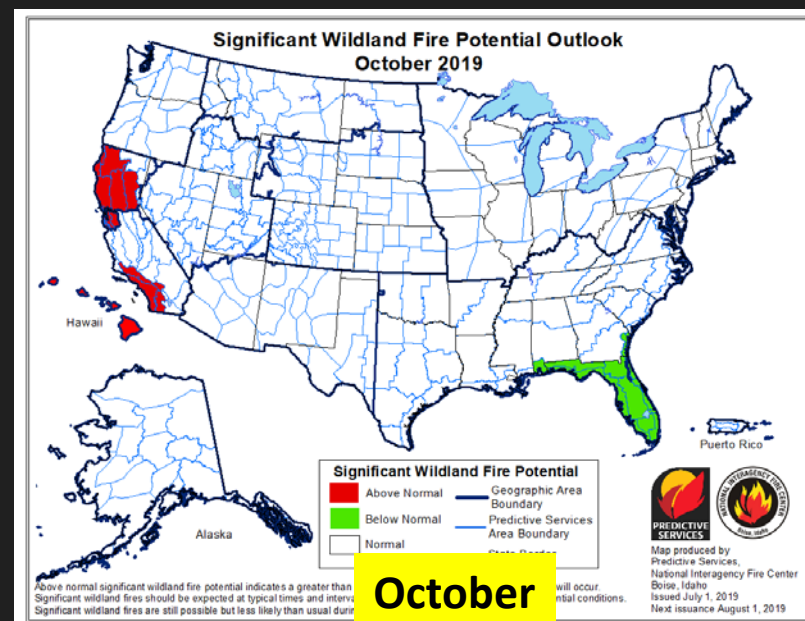
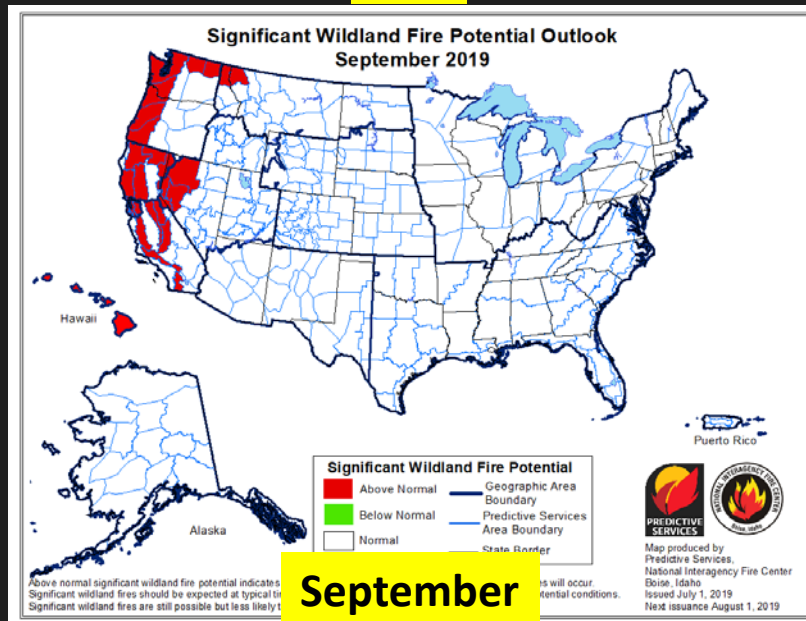
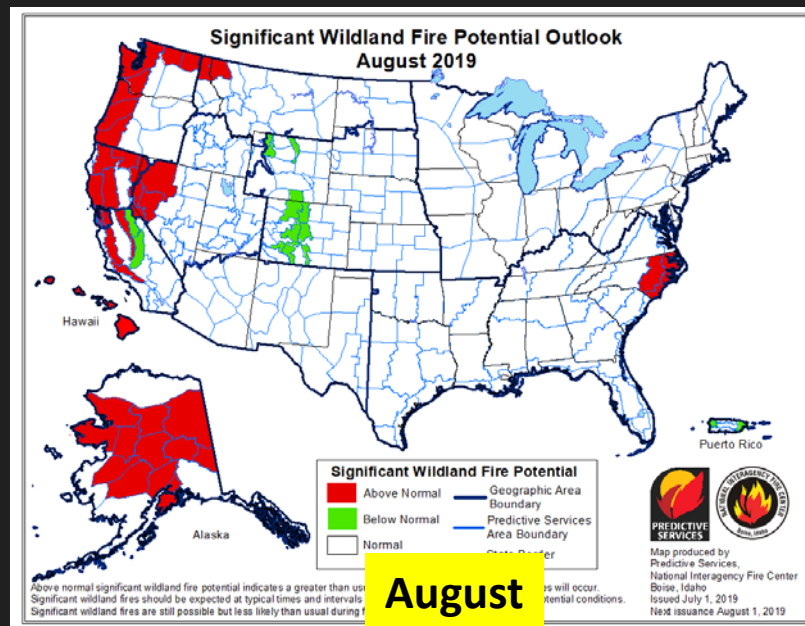
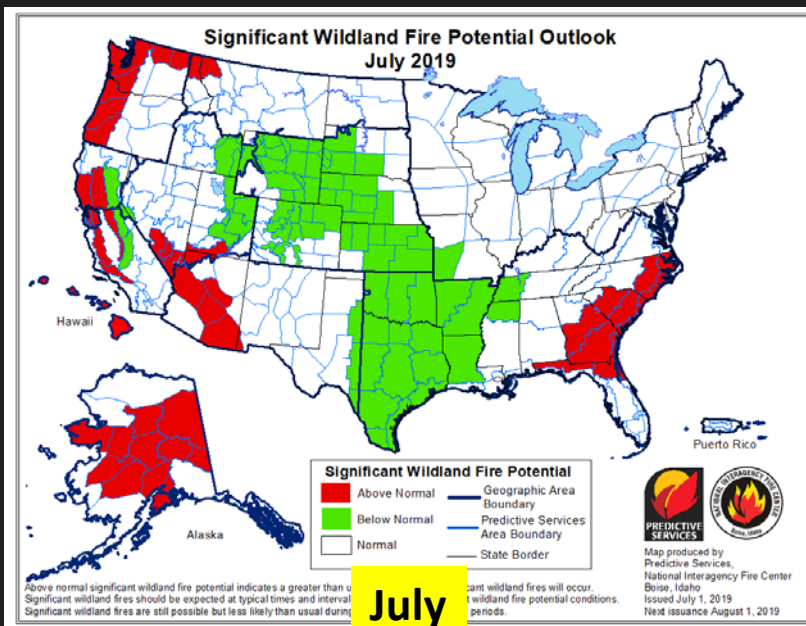
Precipitation



**Putting the
Pieces Together**



National Fire Potential Outlooks



BLM Nevada Fire Management Priorities

1. Firefighter and Public Safety

2. Infrastructure and Property

3. Prioritization of Sage Grouse Habitat

4. Prioritize Other Natural Resource Values

- Coordinated and aggressive initial attack for natural resource and community protection

- Continued utilization of mountain top cameras in partnership with UNR for fire detection

- Emphasis on Fire-Adapted Communities to improve and sustain both community and individual responsibilities to prepare for, respond to, and recover from wildfire

- Nevada Fire Board continues to provide four (4) Type 3 Incident Management Teams

- Real Time mapping and data collection from incidents and fire personnel.

Implemented an interagency fire information web site –

<https://www.nevadafireinfo.org/>

2018 Fire Activity Summary

BLM	330 Fires	620,350 acres
Human-Caused	155 Fires	489,262 acres
Lightning-Caused	175 Fires	131,090 acres
All Jurisdictions	649 Fires	1,001,966 acres
Human Caused	361 Fires	600,278 acres
Lightning Caused	288 Fires	401,688 acres

The Martin Fire was the largest fire in Nevada history burning 435,569 acres.

2019 Current Fire Information

		Human Caused Fires	Human Caused Acres	Lightning Caused Fires	Lightning Caused Acres	WILDFIRE TOTALS	
						FIRES	ACRES
Bureau of Land Management	BLM	29	43	21	50	50	93
Department of Defense	DOD	0	0	0	0	0	0
NV Counties	C&L	32	1,547	2	1	34	1,548
U.S. Forest Service	FS	1	2	5	4	6	6
U.S. Fish & Wildlife Service	FWS	0	0	0	0	0	0
National Park Service	NPS	3	8	0	0	3	8
Nevada Division of Forestry	ST	0	0	0	0	0	0
Tribal	Other	0	0	0	0	0	0
		65	1,600	28	55	93	1,655

Current as of 6-17-19

2019 Staffing and Resources

260 Permanent and 205 Seasonal Personnel

2 Type I (Hotshot) Handcrews:

Ruby Mountain-Elko

Silver State-Carson City

1 Type 2 IA Veteran Handcrew

Vegas Valley-Las Vegas

23 Fire Stations

51 Heavy & Light Brush Engines

5 Water Tenders

6 Dozers

3 Type III Helicopters (Contract)

Ability to staff a total of 6 helicopters

9+ Singles Engines Air Tankers (Contract)

2 Air Tactical Platforms (Contract)

Great Basin Smokejumpers

Ability to supplement units with additional resources working with interagency partners and other BLM states—coordinated response



Fire Prevention

- In 2018 55% of fires in Nevada were from Human Ignitions.
- An Interagency Fire Prevention Team traveled across Nevada from May 8 to May 24. The Teams purpose was to promote a coordinated state-wide approach for fire prevention messaging.
- Take AIM campaign; Responsible shooting
- Recreating Responsibly during High Fire Danger
- Coordination with National Weather Service and Nevada Department of Transportation on Roadway Information System messages during high fire danger and/or Red Flag conditions.

Hazardous Fuels Treatments



Currently at 60,000 acres treated – anticipate over 110,000 acres
This is mechanical, prescribed fire, chemical, and targeted grazing.
We are planning an interagency hazardous fuels statewide meeting the week of October 7th. This will be focused on multiple partners and prioritization of treatments statewide.

Emergency Stabilization & Rehabilitation

- **Martin Fire Treat/Seed Totals**

Treatments	Acres Completed
Aerial Herbicide Application	40,800
Drill Seeding	10,000
Aerial/Broadcast Seeding	172,801

Herbicide Application: Drill seeding of treated areas planned for Fall 2019.

Aerial/Broadcast Seeding: 15,000 acres seeded with native grasses

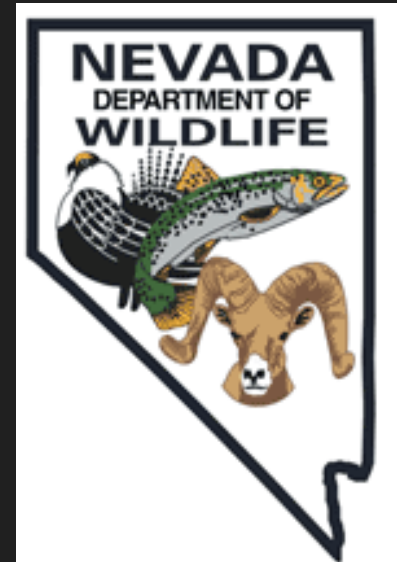
Drill Seeding: Contracts issued for 26,750 acres, 10,000 acres completed from Oct 18 to Apr 19.

Hand Planting: 60,000 sagebrush seedlings hand-planted over 2,000 acres.

Partnerships



- UNR Seismological Program for remote mountain top cameras for fire detection and monitoring.



- Nevada Department of Wildlife on Liaisons to work with Fire managers and Agency Administrators on habitat prioritization.



Nevada Cattlemen's Association on implementation of statewide Rancher Liaison Program.

Living with Fire



Living with Fire is a partnership with UNR Cooperative extension service to provide education to homeowners on defensible space in the urban interface.

<https://www.livingwithfire.info/>

Rancher Liaison Program

This program has been successful in Northeast Nevada for the last 15 years.

- provides training to ranchers on integrating with Incident Commanders and Incident Management Teams to provide on-the-ground information.
- serves as the conduit to other permittees and ranchers.

We are working on a statewide implementation of this program with training starting in October 2019 with full implementation in 2020.

Mining Companies Coordination



BLM Nevada is working with Nevada Mining Association on mining coordination of equipment, training and suppression actions. BLM Nevada has agreements with companies to use equipment on fires and provide training to mining personnel.

Nevada Legislature Wildfire Working Group

- Assembly Concurrent Resolution 4 establishes a committee to conduct an interim study on wildfires in Nevada.
- BLM Nevada is fully supportive and working with USFS and NDF in planning, topics and implementation.
- This is estimated to kick off this summer/late summer.

Current Fire Information

www.nevadafireinfo.org

<https://gacc.nifc.gov/gbcc/intell.php>

