

WRP Webinar on Wildfire & Forestry

Presented by:

- Chief Ken Pimlott, State Forester, CA Department of Forestry & Fire Protection
- Mr. Mike Zupko, Executive Manager, Wildland Fire Leadership Council
- Mr. Troy Timmons, Director of Strategic Initiatives, Policy Advisor, Western Governors' Association

Presentation Outline

- History, mission and key activities of our organizations
- National Cohesive Wildland Fire Management Strategy
- Outlook and trends in wildfires in the West
- WGA Chairman's Initiative
- Collaborative efforts and best practices



Presentation Outline

State, Regional, National















The Council of Western State Foresters (CWSF) is a nonpartisan, nonprofit membership organization comprised of state, territorial and commonwealth foresters whose role is to protect, conserve and enhance Western and Pacific Island forests.

CWSF's membership is comprised of 17 Western U.S. state foresters and six U.S.-Affiliated Pacific Island foresters. CWSF takes a broad and comprehensive approach to forest management and provides expertise on the many complex and interrelated factors at play in Western forestry.

Though there is great diversity across Western and Pacific Island forests, there are key forest management issues shared across forests types and jurisdictions. Addressing these pressing issues in forest management and conservation is the focus of CWSF's work.





The Mission of the Western Forestry Leadership Coalition (WFLC) is to promote science-based forestry management that serves the values of society and ensures the health and sustainability of Western forests.





Goals

Launch initiatives that position the West to respond to the forest resource needs of the public.

Strengthen the voice of Western forestry as it relates to matters of forest policy and land management.

Facilitate the development, integration and implementation of Western State and Private Forestry programs.

Maximize federal and state financial investments by combining resources and partnerships across agency and ownership boundaries.

Tackle emerging West-wide issues by providing research, recommending polices, and coordinating efforts across land ownerships.



Western Governors' Association



WGA – 19 western states and 3
 U.S. flag islands

• WGA serves as an instrument of the Governors for bipartisan policy development, information-sharing, and collective action on issues



Western Governors' Association

- Chair: Steve Bullock, Governor of Montana
- Vice Chair: Dennis
 Daugaard, Governor
 of South Dakota





Wildland Fire Leadership Council

Mission

- Dedicated to consistent implementation of wildland fire policies, goals and management activities.
- Provides strategic oversight to ensure policy coordination, accountability and effective implementation of long-term strategies.



Wildland Fire Leadership Council

History

- Stemmed out of National Fire Plan in 2002
- Chartered by Secretaries of Agriculture, Interior, Homeland Security and Defense
- Forum for high-level dialogues
- Informs wildland fire policies, goals and management activities





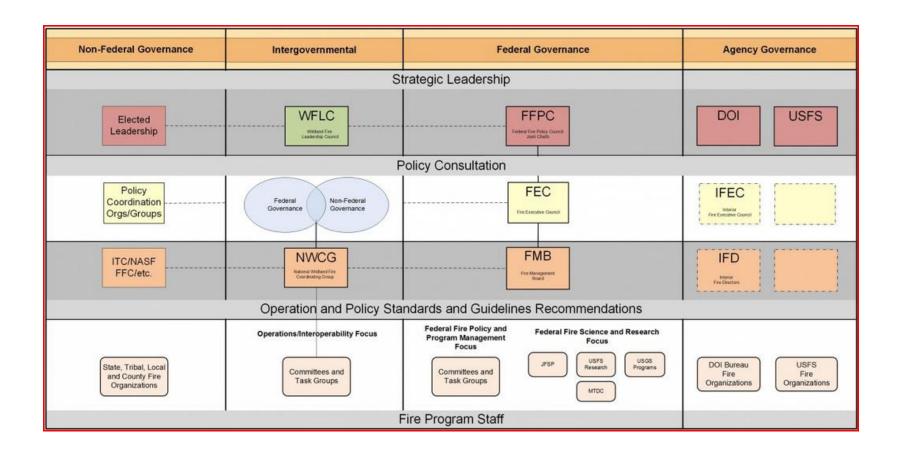
Wildland Fire Leadership Council

Membership

- USDA Undersecretary/Deputy and DOI Assistant Secretary (co-chairs)
- Department of Defense, Assistant Secretaries (2)
- FS and DOI Bureau Chiefs (BLM, FWS, NPS, BIA, USGS)
- FEMA/USFA Administrator
- National Governors' Association (2)
- National Association of Counties
- National League of Cities
- Intertribal Timber Council
- International Association of Fire Chiefs
- National Association of State Foresters



Wildland Fire Governance Structure





STRATEGY

Evolution towards Cohesive Strategy

- Increasing Duration and Severity of Fire Seasons
- Decrease in Firefighting Workforce
- Reduced Resilience of the Landscape
- Increase in Development in the WUI
- Federal Fire Funding Challenges
 - Fire Borrowing
 - Structure of Funding



"Safely and effectively extinguish fire, when needed; use fire where allowable; manage our natural resources; and as a nation, live with wildland fire."



What is the Cohesive Strategy?

- A **national, collaborative** approach to addressing wildland fire across all lands and jurisdictions
- Developed with input from wildland fire organizations, land managers and policy-making officials representing all levels of governmental and non-governmental organizations
- <u>2009 FLAME Act</u> Directs
 Departments of Agriculture and the Interior to develop a Cohesive Wildland Fire Management
 Strategy 5 year process

• GAO recommendations

- Articulate potential approaches
- Estimate costs of each approach
- Describe trade-offs associated with each approach

Three Phase Process

- I The Blueprint
- II Regional Assessments
 - Assessment of situation
- III Analysis and Action Plans
 - Risk analysis
 - Alternatives and actions
 - Implementation strategy

• Three Focus Areas

- Restore and Maintain Landscapes
- Fire Adapted (human) Communities
- Effective and Efficient Wildfire Response



Fire..Adapted..Communities

Effective../..Efficient..Response

Resilient..Landscapes



All Hands – All Lands

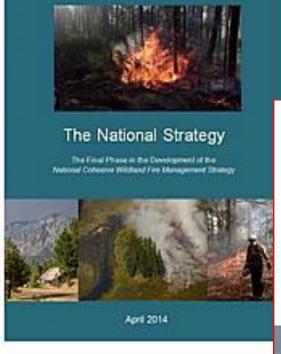
- Restore Resilient Landscapes: Landscapes across all jurisdictions are resilient to fire-related disturbances in accordance with management objectives
- Fire Adapted Communities: Human populations and infrastructure can withstand a wildfire without loss of life and property
- Wildfire Response: All jurisdictions participate in making and implementing safe, effective, efficient risk-based wildfire management decisions





National Development







NATIONAL ACTION PLAN

An Implementation Framework for the National Cohesive Wildland Fire Management Strategy April 2014



http://forestsandrangelands.gov/strategy/index.shtml

The Cohesive Strategy is <u>not</u> a new program — it is a mechanism to promulgate a way of behaving that prioritizes and leverages resources, collaborates across jurisdictions, programs and physical boundaries, and ensures shared-decision space to achieve ecological, economic and social objectives.



National Considerations High priority barriers and critical success factors

Vegetation & Fuels

Home, Communities & Values Managing Human-Caused Ignitions Effective & Efficient Wildfire Response

Administrative Efficiency

Increase fuels management on private lands

Growth management, land development and zoning laws Inefficiencies in the national qualification standards Remove policy barriers and process complexities for sharing resources

Increase fuels management on federal land Enforceable fire prevention ordinances at state and local levels

Improve wildland fire data

Enhance the FEMA predisaster Mitigation Program Assisting communities at risk

Investment in firefighting workforce

Intergovernmental wildland fire governance



National Implementation (select examples)

- Department of Interior
 - Risk Based Wildland Fire Management
 - Resilient Landscapes Program
 - Rangeland Secretarial Order
- US Forest Service
 - Two Chiefs' Projects (with NRCS)
 - CS Pilot Projects
 - Local Agreements and Community Focus
 - CFLR and Watershed Restoration Projects
- USFA grant program expansion of wildfire
- Fire Adapted Communities Network and Expansion
 - FAC Learning Network TNC/Watershed Center
 - IAFC Ready, Set Go! Initiative
 - NFPA Firewise

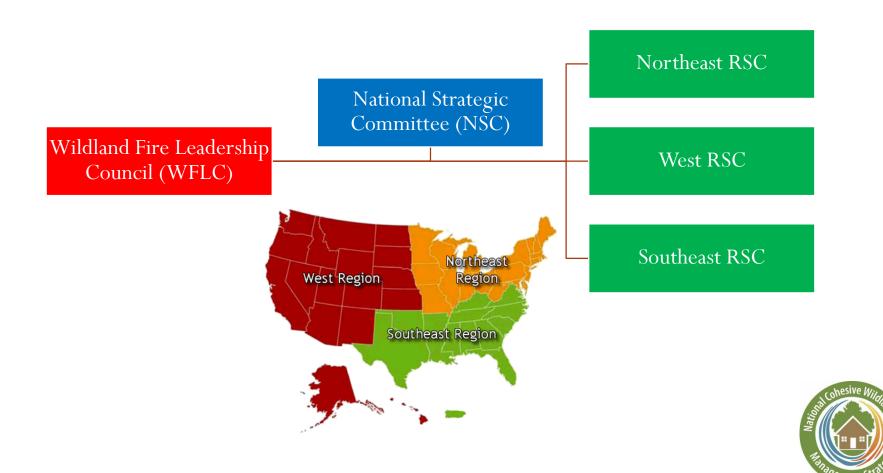


Additional National Opportunities

- Good Neighbor Authority
- Enhanced flexibility with Stewardship Contracting
- Targeted Federal Assistance Targeting high risk on federal lands matched with state and local partners stepping up
- Reassessing Community Assistance Capabilities
- Continued Focus on FAC locally
- Shared Resources Expanded agreements and training/recognition



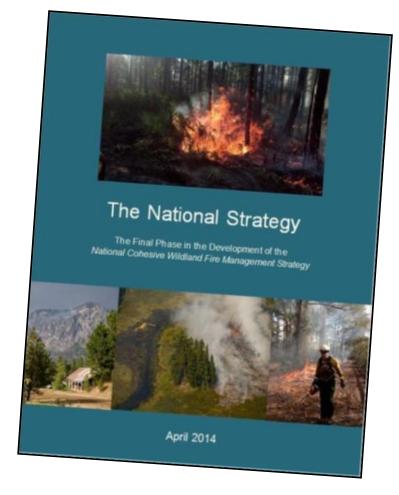
The Cohesive Strategy Organization



Regional Development and Implementation

- Regional Strategy Committees formed early 2011
- Regional Risk Analysis Completed 2012
- Regional Action Plans Completed 2013
 - Multiple actions and tasks offering options
 - Collaborative framework established and nurtured





Why should you care about implementing the Cohesive Strategy?



Regional Development and Implementation

What are <u>important actions</u> the regions (WRP) or **states** (or locals) could take to address the 3 CS Goals?

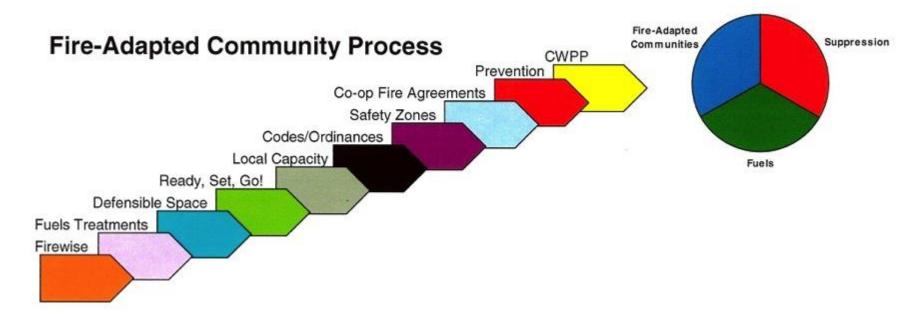
- Convene leaders to identify priority landscapes and issues
- **Use current collective planning resources** to identify landscapes, set priorities, and identify projects
- Understand values to be protected
- Use the collaboration to communicate and coordinate among CS partners.
- Encourage guidance to facilitate program integration as an interagency priority (program alignment)
- Share successes (collaborative efforts, projects, grants, community actions

National Cohesive Wildland Fire Management Strategy

Restoring Resilient Landscapes - Creating Fire Adapted Communities - Responding to Wildfires

Opportunities for local engagement

Cohesive Strategy



WFLC Current Activities

New business model for an effective govt — reduce redundancy. Include key E.O. and S.O.

Mission centered and operational readiness

"Big data, big science, shared stewardship"

"Solution is in the economy, not the treasury"



WFLC Current Activities

WFLC (areas of joint opportunity in the short and mid-term)

- Landscape Level Collaboration
- Smoke Management and Air Quality
- Environmental Compliance
- Reducing Risk to Communities
- Efficient and Effective Response



WFLC Current Activities

Landscape Level Collaboration

Center of Excellence

Smoke Management and Air Quality

- EPA messaging
- Interest in EPA R-10 to expand use of Rx Fire
- OR very interested in revision to SMP
- Other EPA regions have expressed similar interest



Reducing Risk to Communities

http://www.southsoundprairies.org/ - Puget Sound (WA) Joint Base Lewis-McChord ,TNC, WADNR, Center for Natural Lands Management (Rx Fire, grazing, bayshore)
https://www.army.mil/article/64103/169586

"CalTREX" —Prescribed Fire councils, FLN, USFS, CalFire, NRCS and others — Prescribed fire Training Exchange and flagship initiative of state Rx Fire MOU



2017 Fire Season Status & Outlook

Bryan Henry

Assistant National Program Manager Predictive Services

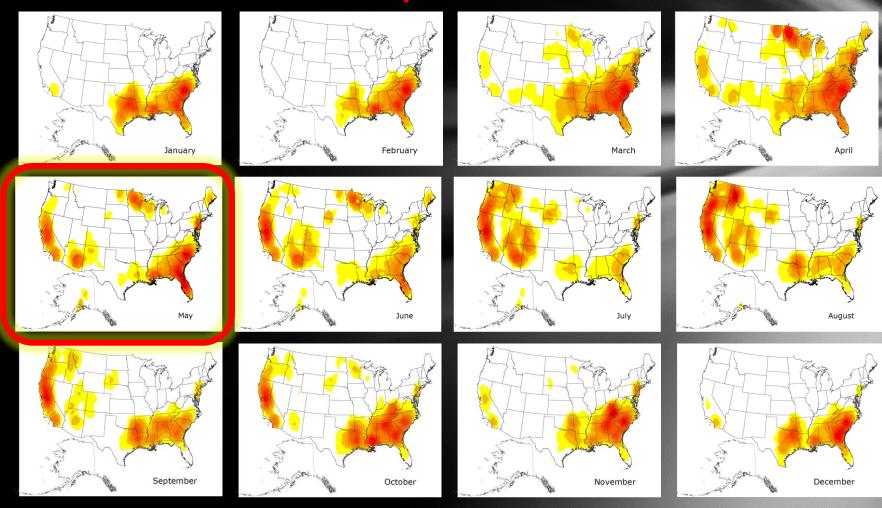






Predictive Services

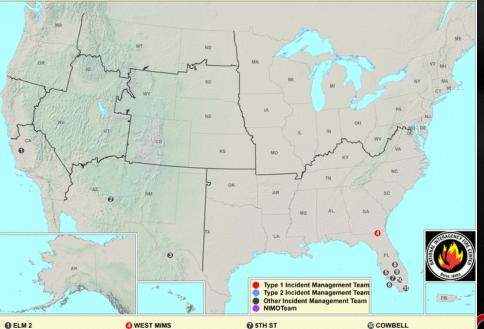
PREDICTIVE Wildfire Seasonality in the U.S.



Current Large Incidents May 15, 2017



Current Large Incidents May 19, 2017



@ CRANE ISLAND

O HUTTO

(1) MOTHER'S DAY

@ RAINTREE BLVD.

30TH AVE

O DOVE
CROWN MOUNTAIN



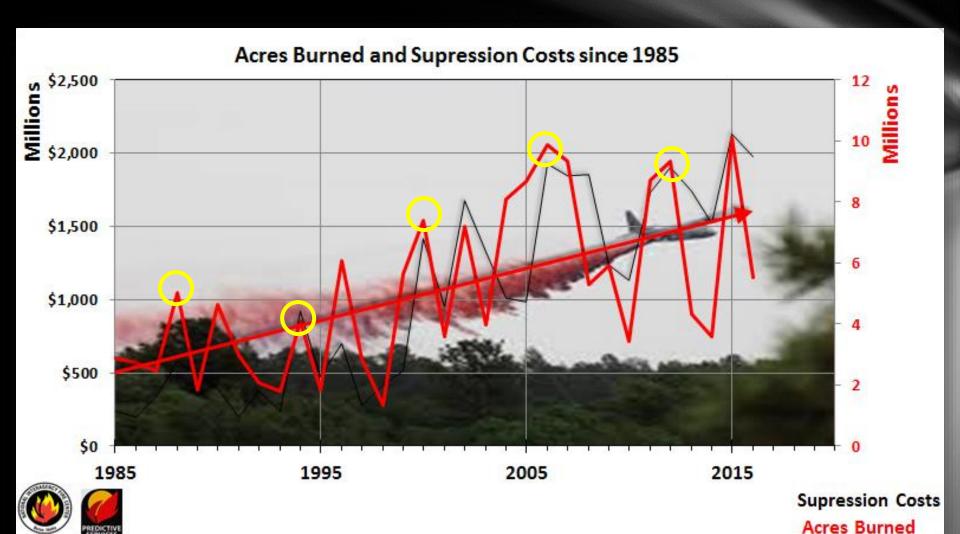
| Fires and Acres | Year-to-Date | (by Protection): |
|-----------------|--------------|------------------|
|-----------------|--------------|------------------|

| Area | | BIA | BLM | FWS | NPS | ST/OT | USFS | TOTAL |
|--------------------------|-------|--------|-------|---------|--------|-----------|--------|-----------|
| Alaska Area | FIRES | 0 | 19 | 0 | 0 | 46 | 3 | 68 |
| | ACRES | 0 | 1,996 | 0 | 0 | 43 | 1 | 2,040 |
| Northwest Area | FIRES | 1 | 4 | 1 | 0 | 24 | 14 | 44 |
| | ACRES | 1 | 0 | 1 | 0 | 52 | 2 | 56 |
| Northern California Area | FIRES | 0 | 1 | 0 | 1 | 125 | 11 | 138 |
| | ACRES | 0 | 401 | 0 | 1 | 195 | 7 | 604 |
| Southern California Area | FIRES | 2 | 11 | 0 | 3 | 421 | 47 | 484 |
| | ACRES | 4 | 30 | 0 | 3 | 8,407 | 283 | 8,727 |
| Northern Rockies Area | FIRES | 193 | 4 | 2 | 0 | 75 | 5 | 279 |
| | ACRES | 524 | 39 | 207 | 0 | 481 | 1 | 1,252 |
| Great Basin Area | FIRES | 4 | 32 | 0 | 3 | 57 | 4 | 100 |
| | ACRES | 2 | 34 | 0 | 3 | 653 | 1 | 693 |
| Southwest Area | FIRES | 241 | 80 | 3 | 9 | 279 | 128 | 740 |
| | ACRES | 511 | 609 | 53 | 134 | 67,200 | 7,183 | 75,690 |
| Rocky Mountain Area | FIRES | 77 | 26 | 6 | 2 | 209 | 37 | 357 |
| | ACRES | 1,903 | 170 | 199 | 58 | 467,671 | 1,947 | 471,948 |
| Eastern Area | FIRES | 317 | 0 | 5 | 14 | 1,876 | 220 | 2,432 |
| | ACRES | 672 | 0 | 14 | 129 | 7,230 | 3,047 | 11,092 |
| Southern Area | FIRES | 255 | 8 | 29 | 24 | 16,614 | 295 | 17,225 |
| | ACRES | 60,250 | 36 | 134,745 | 52,944 | 1,226,981 | 24,307 | 1,499,263 |
| TOTAL FIRES: | | 1,090 | 185 | 46 | 56 | 19,726 | 764 | 21,867 |
| TOTAL ACRES: | | 63,867 | 3,315 | 135,219 | 53,272 | 1,778,913 | 36,779 | 2,071,365 |
| | | • | | | | | | |

| Ten Year Average Fires (2007 – 2016 as of today) | 22,273 | |
|--|---------|--|
| Ten Year Average Acres (2007 – 2016 as of today) | 900,074 | |

Current Fire Activity

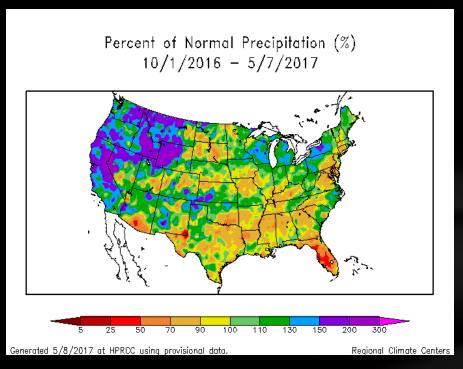
Historical (6 Year Cycle Emerging)



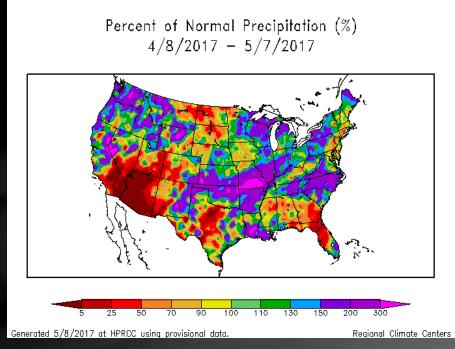
Climate

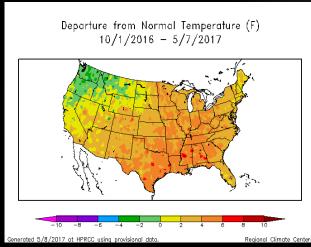


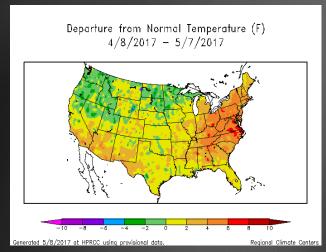
Water Year – Since o1 Oct 2016



Last 30 Days – Since 08 Apr 2017

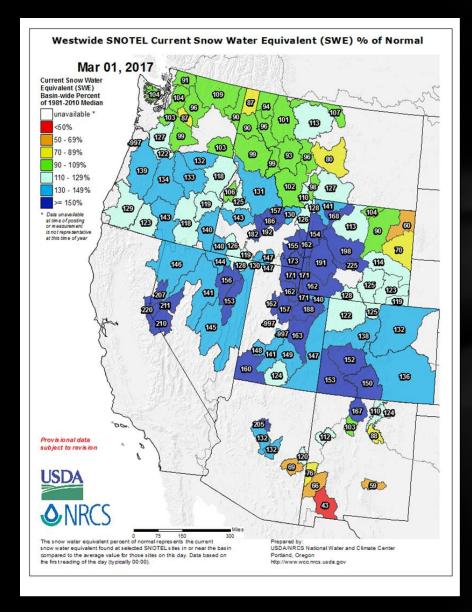


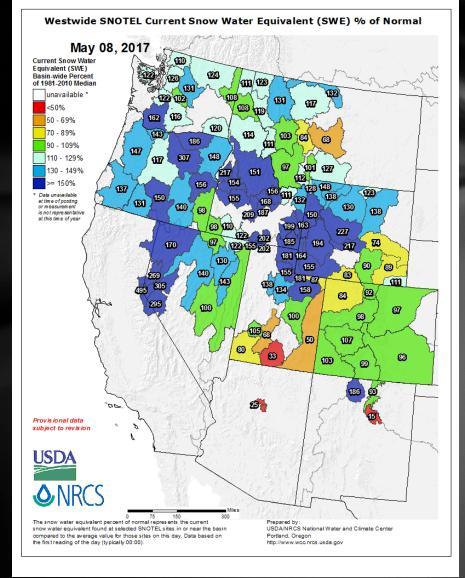




Snowpack

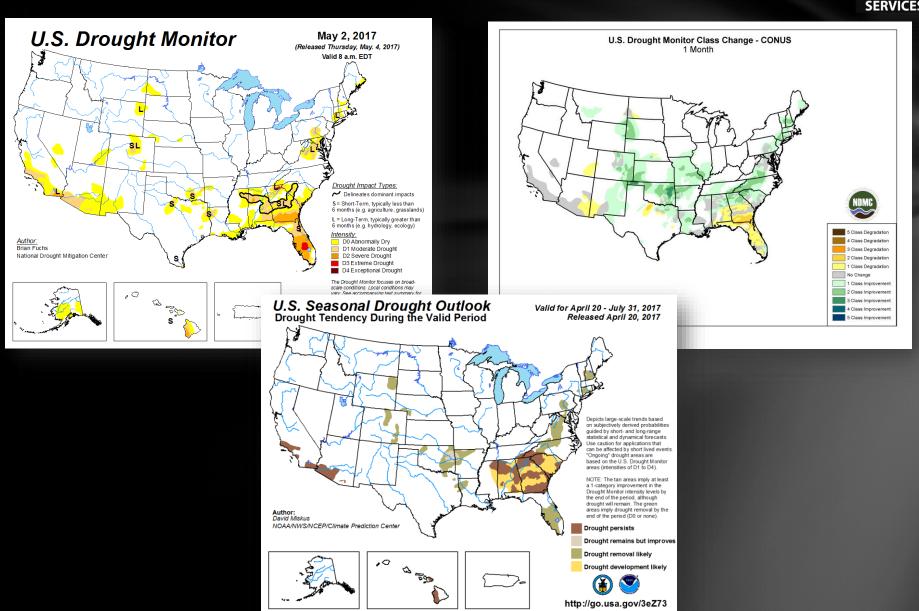






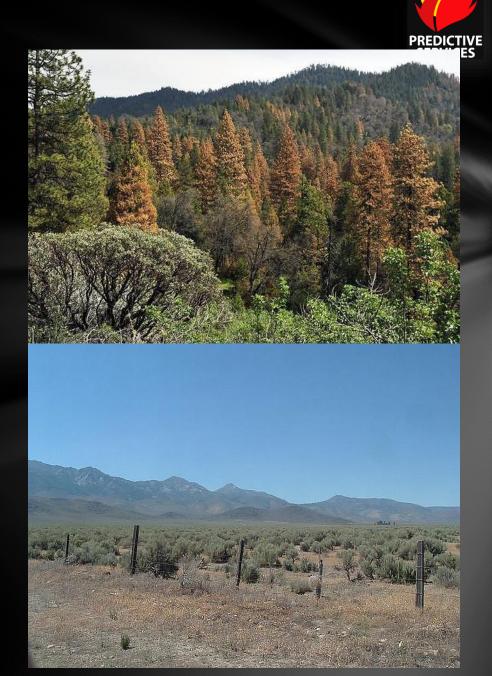
Drought





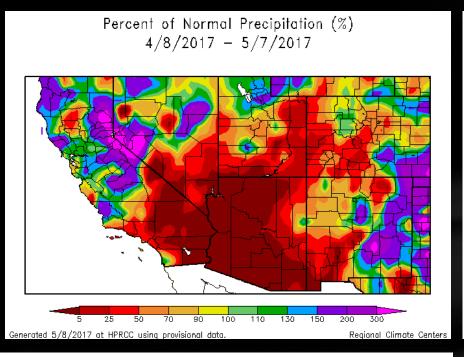
Moisture Impact on Fuels

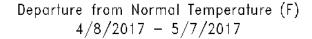
- Moisture is a double edged sword for fire activity.
 - Less water means drier heavy fuels, lower moisture in live fuels, increased mortality.
 - More water means more continuous brush, grass fuels, heavier fuel loads.

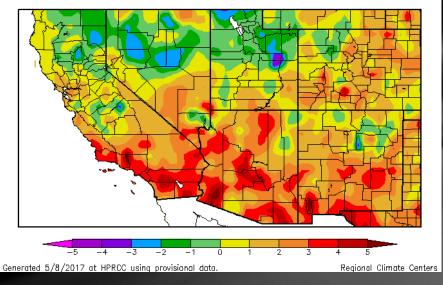


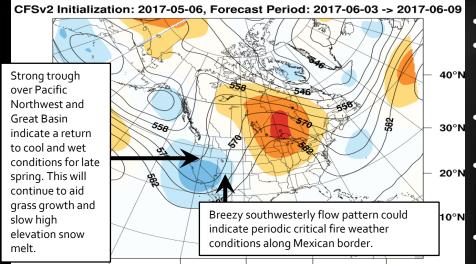
Southwestern Season Developments











- Image taken from the CFS long range model.
- While accuracy of this model's data is sometimes suspect, it can do a fair job on predicting overall patterns.
- In this image, we are interested in the lines which indicate/infer wind flow from west to east.
- Colors indicate abnormal numerical values associated with the lines. Reds are higher than average (warmer). Blues are lower than average (cooler.)
- Potential impacts are shown on the map.

Fuel Conditions and Weather Outlook



- Slow melt of Western Snowpack could lead to delayed start in higher elevations if current trends continue. Bumper crop of fine fuels expected in the lower elevations.
- California has for the most part exited the multiyear drought. Lingering snowpack is > 300% of normal in several locations!
- Long term drought conditions appear to be worsening across the Southeast and are starting to develop across the Southwest.

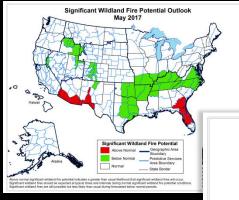
Fuel Conditions and Weather Outlook

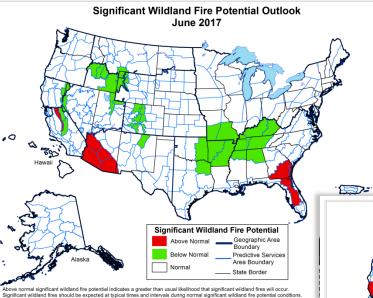


- The Central and Southern Great Plains have experienced significant relief from drought conditions though there are parts of Central Texas that are dry.
- Keep an eye on Alaska. The interior has been slightly warmer than average and the snowpack came off a little earlier than normal across parts of the interior. Also, greenup appears to be less robust than normal.

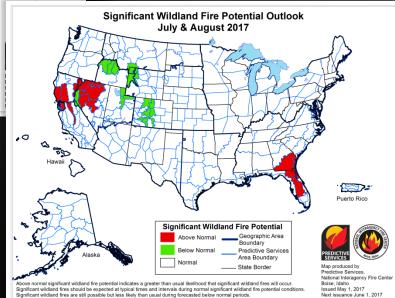
Significant Wildland Fire Potential Outlook



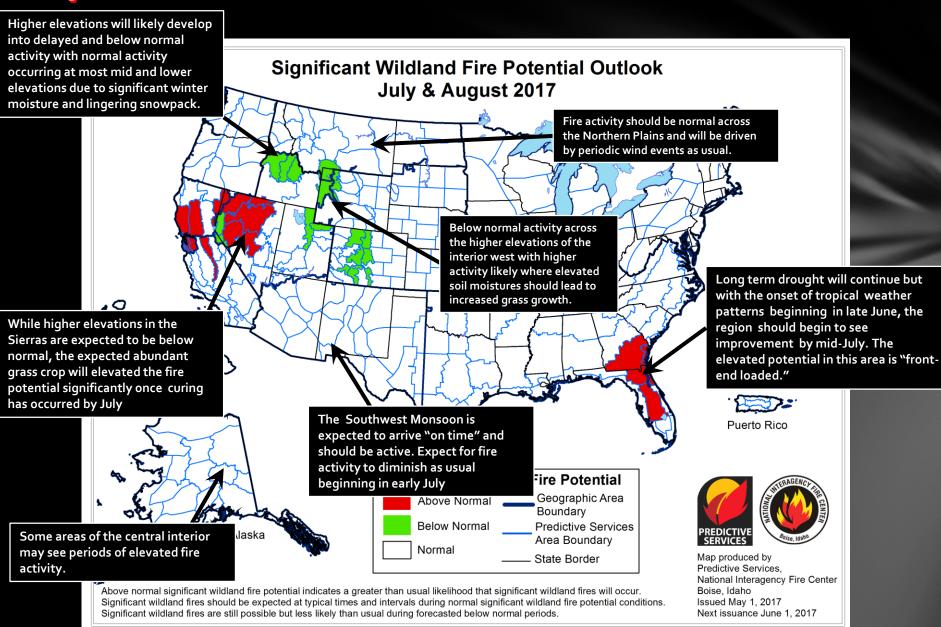




Significant wildland fires are still possible but less likely than usual during forecasted below normal periods.



2017 Fire Season Factors to Consider







Western Trends

Drastic increase in the occurrence of large, damaging wildfires

Five years of historic drought

Unprecedented bark beetle epidemic

Three consecutive warmest years on record

Followed by one of the wettest years on record





2015 Valley Fire



10 OF CALIFORNIA'S 20 LARGEST WILDFIRES HAVE BURNED SINCE 2007



TREE MORTALITY NORTHERN FRESNO COUNTY









Western Trends

So, what needs to be done?

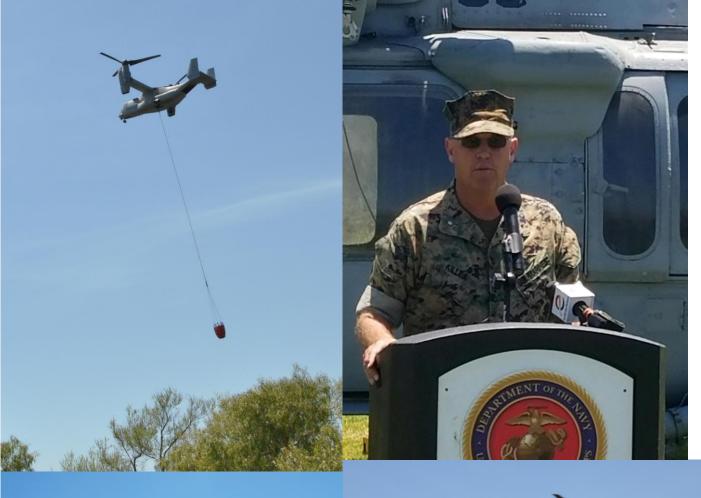
Maintain strong response model, including local, state and federal partners.

Increase pace and scale of Rx fire and fuels treatments that mimic the effects of beneficial fire

Active management of forestlands and watersheds

To do this, we need to gain social license











Prescribed Fire MOU











- Good Neighbor Authority
- Large Landscape Level Projects

2014 King Fire

'Ready for Wildfire' app















Western Landscape Initiatives

West Wide Risk Assessment and state assessments

Landscape Scale Restoration

State Forest Action Plans and State Wildlife Action Plans



Initiative Goals:

- Give states an opportunity to share successes (and failures)
- Hard look at collaboration
- Examine current statutory authorities (GNA, SCA, I&D)
- Recommend improvements



Process:

- Workshops
- Webinars
- Survey Instruments



Findings:

- First year released at WGA's Annual Meeting
- Second year workplan under development



Looking ahead:

- Department of Defense role
- Management challenges on Defense lands
- Opportunities for collaboration and involvement



Collaborative Efforts and Opportunities

DISCUSSION





