Drought in the NW Climate Hub Region Drought conditions have worsened in Washington with severe drought developing in the west (D2-

orange) and moderate drought (D1-tan) expanding in the northeastern portion of the state, northern panhandle of Idaho, and northeast Oregon. Oregon also has abnormally dry conditions in northwest and south into the Willamette Valley (D0-yellow). In Alaska, abnormally dry conditions have been expanded from northern southeast Alaska north

into the Yukon east of Fort Yukon. Southeast Alaska continues to experience abnormally dry (D0yellow) to extreme drought (D3-red) conditions with much of Prince of Wales Island east to portions of Wrangell Island and Revillagigedo Island experiencing extreme drought (D3-red). Note: AK drought map is now available by National Weather Service Area.

Note: The Snow Drought page will be updated in June and then not again until the fall due to the end of the snow season. Drought maps are released weekly on Thursdays by the National Drought Mitigation Center. Many sources of information inform drought maps including reports from the public. Click the icons

below to get information from the National Integrated Drought Information System (NIDIS), to submit precipitation data via the CoCoRHaS network, or to report drought impacts. To view the extent of dry and drought conditions throughout North America, view this Drought Map

that is produced once a month by clicking this sentence. **Pacific Northwest** Snow drought CoCoRHaS **Drought.gov Drought Impacts Community Rain**

U.S. Drought Monitor **USDA Northwest Climate Hub**



Survey June 18, 2019

Drought Conditions (Percent Area)

D4

0.00

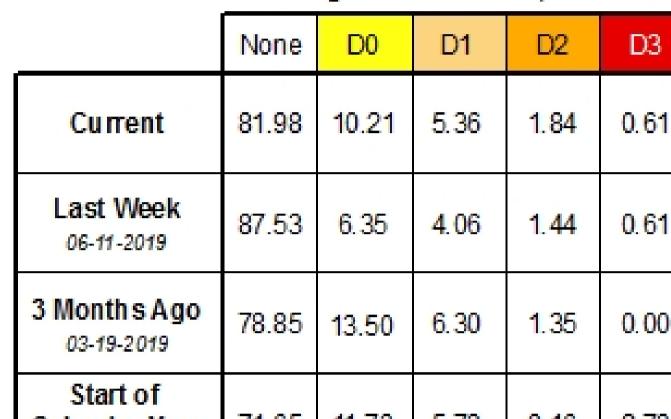
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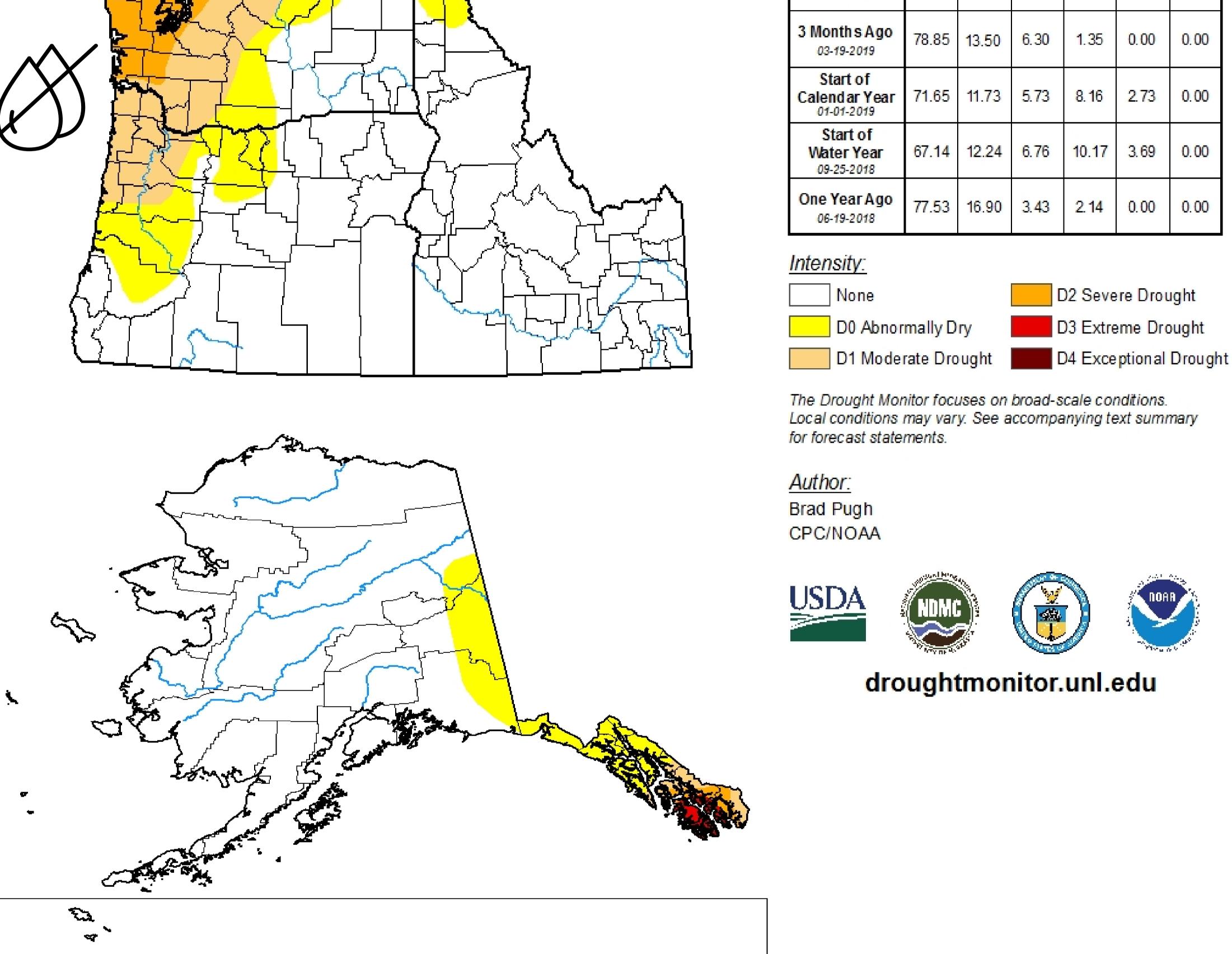
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Valid 8 a.m. EDT



Drought in Washington

conditions negatively affecting:

The survival of fish and wildlife.

Department of Ecology - Water Resources Program is looking for drought impact reporting. Report drought impacts via the Pacific Northwest Drought Impacts Survey

The state of Washington has made **Emergency Drought Funding** available for public

entities to implement projects and measures that alleviate undue hardship caused by drought



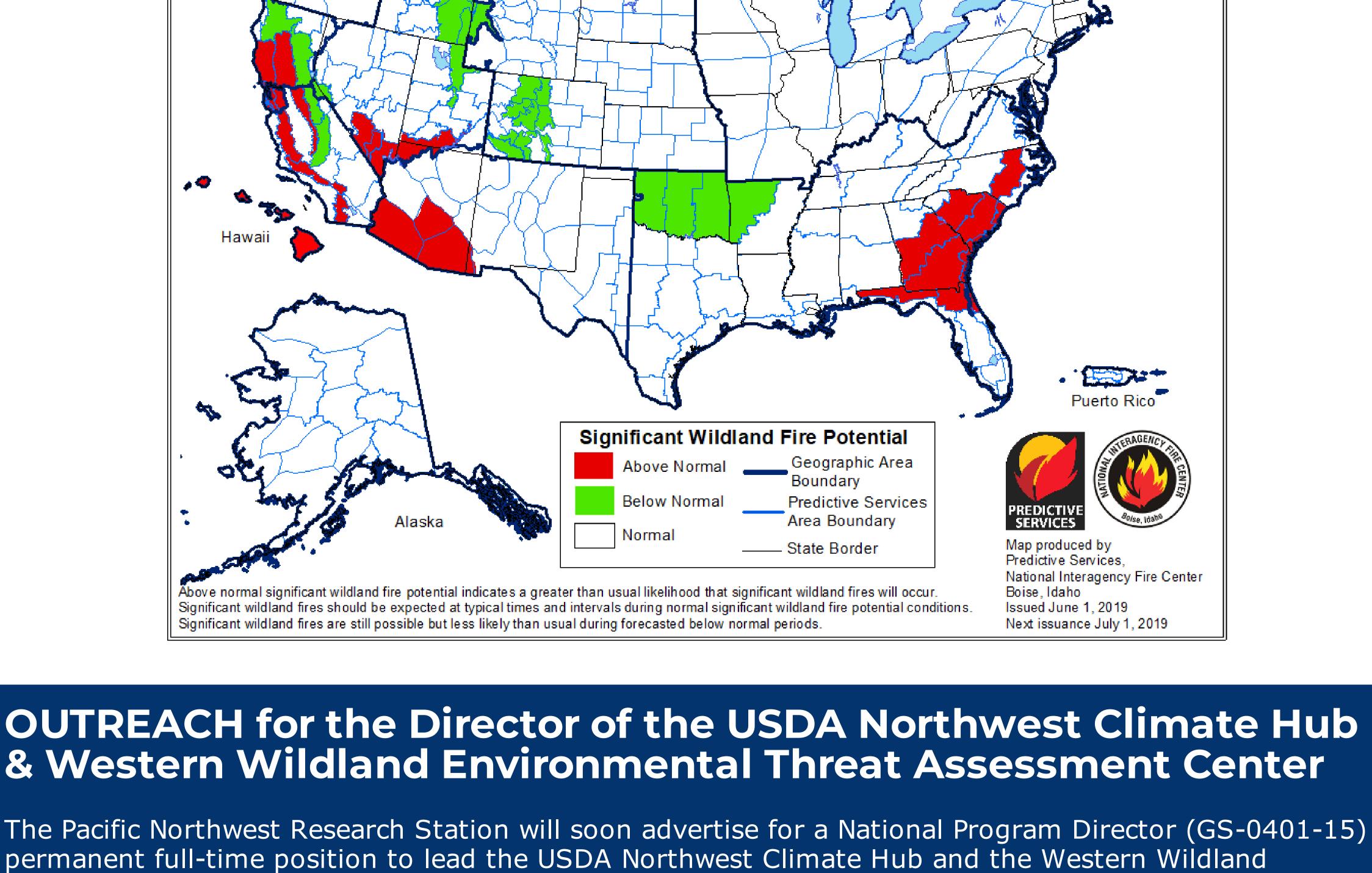
Wildfire potential in July is projected to be above normal for western Washington and northwestern Oregon and normal for Alaska (map published 1 June).

> Significant Wildland Fire Potential Outlook **July 2019**

The delivery of safe and reliable drinking water supplies.

National Significant Wildland Fire Potential Outlooks

The viability of agricultural activities and livestock operations.



stations (Corvallis, OR; Olympia, WA; Seattle, WA; Anchorage, AK; Juneau, AK; Wenatchee, WA; and LaGrande, OR may be considered depending upon response to this outreach). The position will carry out the combined duties of the Northwest Climate Hub and the Western Wildland

Environmental Threat Assessment Center. Both units provide science-based information and tools to

Few positions promise this much opportunity to make a tangible difference in responding to climate

facilitating science-management partnerships that will promote co-production of knowledge and

information, which will ultimately enhance natural resource stewardship across landscapes.

inform land management in the face of environmental threats.

Environmental Threat Assessment Center. An outreach notice will be circulated to inform prospective

applicants of the upcoming opportunity. The preferred duty station is Portland, OR but other duty

change and other complex management issues in the western U.S. The incumbent will have a broad range of responsibilities, from providing science leadership in directing a multidisciplinary research agenda, to coordinating with other research programs as well as a wide range of partner groups and organizations, to leading coproduced research and science delivery efforts that ensure the research and tools reach the practitioners who need it. The position requires a motivated candidate with a high level of skill, leadership, vision, and experience in developing multidisciplinary research objectives; managing competing user information needs; and

A <u>postgraduate fellowship opportunity</u> is available with the USDA Northwest Climate Hub. This fellow will help communicate science, advance our outreach goals, and raise the profile of critical environmental issues facing society today. The Hub is staffed with a vibrant, dedicated team. With guidance from a mentor, the participant will gain experience in collaborating with USDA agencies, particularly the Forest Service, in developing communication content; facilitating co-production approaches to research;

Postgraduate Fellow in Science Communication with Northwest

strengthening partnership engagement through sharing project information, news, and updates; and synthesizing scientific publications for natural resources managers, farmers, ranchers, forest land owners, and policy makers. Click this box to learn more about this fellowship opportunity.

The Forest Service's Climate Adaptation Publication is a Worthy Resource for All

Landowners. A blog on AgClimate Network describing how the Forest Service Climate Change

Climate Change Vulnerability and Adaptation in the Northern Rocky Mountains

Collection of Climate Change Vulnerability Assessments for other Northwest

Vulnerability Assessments are useful to all landowners not only the Forest Service. Click this text

Webinars

O AK

Climate Hub

Information

to reach the blog.

Regions, view the 'Projects' tab

summer and early fall season.

Funding opportunities

Soil biology and soil organic matter; What do recent discoveries mean for soil management? A blog by Washington State University's Center for Sustainable Agriculture and Natural Resources describes how recent advances in soil biology are important to soil health. Winter water, summer crops: Dry farming techniques tap winter water during dry summers. An article in 'The Furrow' about the Dry Farming project led by Oregon State University's Amy Garrett and supported by the NW Climate Hub.

June National Weather Service Alaska Climate Outlook Briefing. 21 June 12 pm AKT.

This webinar will review recent climate conditions around Alaska, review some forecast tools

and finish up the Climate Prediction Center's forecast for July 2019 and the remaining

Pacific Northwest Drought Early Warning System, Drought and Climate Outlook

webinar **24 June 2019** 11 am-12 pm PT. This webinar includes four brief presentations on

1) a climate recap and current conditions, 2) a seasonal outlook, and special topic speakers

3) Chris Konrad who will discuss classification of water resources vulnerability to drought in

the Pacific Northwest and 4) Brooke Penaluna who will discuss aquatic-riparian ecosystem



Management applications for the science framework for conserving and restoring sagebrush ecosystems, webinar hosted by the Great Basin Fire Science Exchange June 26 at 11am.

management. Click on text to register for this webinar.

On-Farm Trials include a **Soil Health Demo Trial.**

Non-Federal government agencies.

anticipated to be up to \$45,000.

(katherine.macfarland@usda.gov)



To learn more about the webinar and program, visit the CIG On-Farm Trials web-page. USDA National Agroforestry Center is requesting proposals to create regionally-applicable and practice-specific agroforestry educational materials based on producer production information, experiences and testimonies. These materials will also address natural resource professionals' need for more information that supports producer adoption of agroforestry.

More specifically, awardees will produce a suite of science-based technology transfer

profit entities; State, local, and Tribal governments; not-for-profit organizations; and

institutions of higher education are eligible entities for these agreements. Awards are

materials on alley cropping, forest farming (multi-story cropping), or silvopasture for one

specific region of the United States. Proposals must be submitted by July 15, 2019. For-

For questions regarding this Request for Proposals or administrative regulations, contact

USDA National Institute of Food and Agriculture funding opportunity Tribal Colleges

USDA Natural Resources Conservation Service (NRCS) is accepting proposals **through**

component of the Conservation Innovation Grants program created in the 2018 Farm Bill.

Non-governmental organizations with experience working with agricultural producers.

15 July 2019, for On-Farm Conservation Innovation Trials (On-Farm Trials), a new

NRCS is now accepting proposals from the following eligible entities:

Private entities whose primary business is related to agriculture.

Richard Straight (richard.straight@usda.gov); or Kate MacFarland

Grant Institutions (Tribal Colleges) in building institutional research capacity through applied projects that address student educational needs and meet community, reservation or regional challenges. Applications due 9 August 2019. **USDA National Institute of Food and Agriculture** (NIFA) has a request for applications for fiscal year 2019 for the Agriculture and Food Research Initiative (AFRI) Competitive Grants Program. Applications are due 26 September 2019 5 pm ET.

Research Grants Program (TCRGP). This program was designed to assist 1994 Land-

5. Agriculture systems and technology; and 6. Agriculture economics and rural communities.

Northern Quest Casino in Airway Heights, Washington. The summit will convene leaders from

Tribes and First Nations throughout the Pacific Northwest and North America to advance tribal

change resiliency, protecting and applying Traditional Knowledge in climate change initiatives,

and implementing a unified tribal climate change policy agenda. The Summit will also include

conference, oral presenters are asked to follow the best practices guidelines for communicating

Signup to receive our newsletter by clicking on this box and providing

to a diverse audience when preparing their talks in order to help maximize the impact of the

climate change policy and action. The summit will focus on topics such as tribal climate

Conferences

2019 North American Agroforestry Conference 24-27 June Corvallis, OR. Agroforestry for Sustainable Production + Resilient Landscapes hosted by Oregon State

Priority areas include:

University as well as the 16th biennial conference for the Association for Temperate Agroforestry. Registration is open. 2019 Tribes and First Nations Climate Change Summit 20-21 July 2019 at the

1. Plant health and production and plant products;

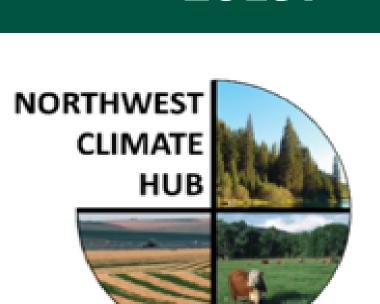
4. Bioenergy, natural resources, and environment;

3. Food safety, nutrition, and health;

2. Animal health and production and animal products;



a half-day tour of the Spokane Tribal Housing Program solar project on 1 August. The Summit will be hosted by the Kalispel Tribe of Indians and co-sponsored by the Affiliated Tribes of Northwest Indians (ATNI), Bureau of Indian Affairs (BIA), North Pacific Landscape Conservation Cooperative (NPLCC), Pacific Northwest Tribal Climate Change Network, and others. Registration is now open. Call for posters and lightning presentations extended to **30 June** and scholarships due **1 June**. 10th Annual Northwest Climate Conference 8-10 October 2019 Portland, Oregon. Call for oral and poster presentations. Abstracts are requested for a wide range of topics (see website). Emphasis is on presentations that are comprehensible to a wide audience on topics of broad interest within the Northwest region. Due to the cross-cutting nature of this



presentation to the conference attendees. Abstract due date extended until 14 June 2019.

your contact information on the form.